



**UNITED STATES AIR FORCE
611TH AIR SUPPORT GROUP
611TH CIVIL ENGINEER SQUADRON**

JOINT BASE ELMENDORF-RICHARDSON, ALASKA

SITE ROAD PCB REMOVAL

**ENGINEERING EVALUATION / COST
ANALYSIS**

PORT HEIDEN, ALASKA

**FINAL
MAY 2012**

**UNITED STATES AIR FORCE
611TH AIR SUPPORT GROUP
611TH CIVIL ENGINEER SQUADRON**

JOINT BASE ELMENDORF-RICHARDSON, ALASKA

SITE ROAD PCB REMOVAL

**ENGINEERING EVALUATION / COST
ANALYSIS**

PORT HEIDEN, ALASKA

**FINAL
MAY 2012**

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
ACRONYMS AND ABBREVIATIONS	viii
EXECUTIVE SUMMARY	ES-1
1.0 INTRODUCTION	1-1
1.1 PURPOSE OF STUDY	1-1
1.2 PROJECT BACKGROUND.....	1-2
1.3 PROJECT TIMELINE	1-2
1.4 REPORT ORGANIZATION	1-2
2.0 SITE BACKGROUND AND HISTORY	2-1
2.1 SITE BACKGROUND	2-1
2.2 SITE HISTORY	2-1
2.3 LOCAL GEOLOGY AND LITHOLOGY	2-2
2.4 ECOLOGY.....	2-9
2.5 SITE ROAD BREAKDOWN	2-10
2.5.1 Lower Zone	2-10
2.5.2 Middle Zone	2-21
2.5.3 Upper Zone	2-21
2.6 PREVIOUS REMOVAL ACTIONS	2-27
2.7 TCRA SUMMARY	2-29
2.8 REMOVAL ACTION APPROPRIATENESS	2-37
3.0 2011 SITE CHARACTERIZATION Methods.....	3-1
3.1 SOIL SAMPLING TECHNIQUES	3-1
3.1.1 Shoulder Section Composite Sampling.....	3-2
3.1.2 Grid Composite Sampling.....	3-2
3.1.3 Tundra Step-Out Sampling	3-2
3.1.4 Subsurface Sampling using a Geoprobe®	3-11
3.2 SOIL ANALYSIS	3-11
3.2.1 Mobile Laboratory Field Screening	3-11
3.2.2 Correlation of Onsite Field Laboratory Results	3-12
3.2.3 Road Shoulder Correlation Analysis.....	3-12
3.2.4 Tundra Correlation Analysis	3-15

TABLE OF CONTENTS (Continued)

<u>SECTION</u>	<u>PAGE</u>
4.0 2011 SITE CHARACTERIZATION.....	4-1
4.1 SHOULDER PROFILING	4-1
4.2 SHOULDER COMPOSITE SAMPLING	4-7
4.3 SHOULDER GRID COMPOSITE SAMPLING	4-21
4.4 TUNDRA STEP-OUT SAMPLING.....	4-37
4.5 TUNDRA GRID COMPOSITE SAMPLING	4-57
4.6 SUBSURFACE SAMPLING	4-73
4.7 CHARACTERIZATION SAMPLING RESULT SUMMARY	4-74
4.8 BACKGROUND SAMPLING	4-74
4.8.1 Storage Area Samples	4-83
5.0 CONCEPTUAL SITE MODEL.....	5-1
6.0 RISK EVALUATION.....	6-1
6.1 USES, SOURCE INFORMATION, AND CONTAMINANT FATE AND TRANSPORT	6-1
6.2 TOXICITY	6-2
6.3 RISK.....	6-2
6.3.1 Direct Contact	6-3
6.3.2 Outdoor Air Inhalation.....	6-3
6.3.3 Migration to Groundwater.....	6-3
7.0 REMOVAL ACTION SCOPE, GOALS, AND OBJECTIVES.....	7-1
7.1 SCOPE OF THE REMOVAL ACTION	7-1
7.2 REMOVAL ACTION OBJECTIVE	7-2
7.3 APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS	7-2
8.0 DETAILED ANALYSIS OF REMOVAL ALTERNATIVES	8-1
8.1 EVALUATION CRITERIA	8-3
8.2 ALTERNATIVE 1: NO ACTION	8-4
8.2.1 Effectiveness	8-4
8.2.2 Implementability	8-4
8.2.3 Cost	8-4
8.3 ALTERNATIVE 2: REMOVAL AND OFFSITE DISPOSAL	8-5
8.3.1 Effectiveness	8-5

TABLE OF CONTENTS (Continued)

<u>SECTION</u>	<u>PAGE</u>
8.3.2 Implementability	8-6
8.3.3 Cost	8-6
8.4 ALTERNATIVE 3: REMOVAL WITH PARTIAL LOCAL DISPOSAL AND PARTIAL OFFSITE DISPOSAL	8-7
8.4.1 Effectiveness	8-8
8.4.2 Implementability	8-9
8.4.3 Cost	8-10
9.0 COMPARATIVE ANALYSIS OF ALTERNATIVES	9-1
9.1 EFFECTIVENESS	9-1
9.2 IMPLEMENTABILITY	9-1
9.3 COST	9-2
9.4 PREFERRED ALTERNATIVE	9-2
10.0 REFERENCES.....	10-1

TABLES

Table ES-1	Port Heiden Site Road Removal Alternative Cost Summary	ES-2
Table 3-1	SGS-Alaska Shoulder Sample Correlation Analysis Results.....	3-13
Table 4-1	Shoulder Profile Sampling	4-2
Table 4-2	Lower Zone Tundra Step-Out Breakdown.....	4-37
Table 4-3	Middle Zone Tundra Step-Out Breakdown.....	4-38
Table 4-4	Upper Zone Tundra Step-Out Breakdown	4-39
Table 4-5	Middle Zone (Sections 10 though 25) Tundra Grid Breakdown	4-58
Table 4-6	Middle Zone (Sections 26 though 42) Tundra Grid Breakdown	4-65
Table 4-7	Upper Zone (Sections 80 though 90) Tundra Grid Breakdown.....	4-66
Table 4-8	Storage Area Pile Background Samples	4-83
Table 6-1	Contaminant Concentrations in Soil and Cleanup Criteria	6-3
Table 8-1	PCB Remedial Alternatives	8-1
Table 8-2	Alternative 2 Estimated Cost	8-7
Table 8-3	Alternative 3 Estimated Cost	8-10
Table 9-1	Port Heiden Site Road Removal Alternative Cost Summary	9-2
Table 9-2	Alternative Evaluation Rubric.....	9-3

TABLE OF CONTENTS (Continued)

<u>SECTION</u>		<u>PAGE</u>
FIGURES		
Figure 2-1	Site Location and Vicinity	2-3
Figure 2-2	Former Military Installations	2-5
Figure 2-3	Previous Investigation Results	2-7
Figure 2-4	Map of Site Road	2-11
Figure 2-5	Road Sections 1-9 (Lower Zone)	2-13
Figure 2-6	Lower Zone Interpreted Underground Utilities	2-15
Figure 2-7	Lower Zone Apparent Conductivity	2-17
Figure 2-8	Lower Zone EM 31 In-Phase Response.....	2-19
Figure 2-9	Road Sections 10-77 (Middle Zone).....	2-23
Figure 2-10	Road Sections 78-92 (Upper Zone).....	2-25
Figure 2-11	Site Road Surface Results, Sections 1-8 (Lower Zone).....	2-31
Figure 2-12	Site Road Surface Results, Sections 25-31 (Middle Zone).....	2-33
Figure 2-13	Site Road Surface Results, Sections 81-92 (Upper Zone)	2-35
Figure 3-1	Sampling Decision Tree	3-3
Figure 3-2	Composite Sampling Approach	3-5
Figure 3-3	Grid Sampling Approach	3-7
Figure 3-4	Shoulder Profile, Shoulder Grid, Tundra Step-Out and Geoprobe [®] Locations	3-9
Figure 4-1a	Shoulder Profile Field Sampling Approach	4-3
Figure 4-1b	Shoulder Profile Results.....	4-5
Figure 4-2	Shoulder Composite Results, Sections 1-9 (Lower Zone).....	4-9
Figure 4-3	Shoulder Composite Results, Sections 10-25 (Middle Zone).....	4-11
Figure 4-4	Shoulder Composite Results, Sections 26-40 (Middle Zone).....	4-13
Figure 4-5	Shoulder Composite Results, Sections 41-55 (Middle Zone).....	4-15
Figure 4-6	Shoulder Composite Results, Sections 56-77 (Middle Zone).....	4-17
Figure 4-7	Shoulder Composite Results, Sections 78-90 (Upper Zone)	4-19
Figure 4-8	Conceptual Section Naming Diagram.....	4-23
Figure 4-9	Shoulder Grid Composite Results, Sections 1-9 (Lower Zone).....	4-25
Figure 4-10	Shoulder Grid Composite Results, Sections 10-17 (Middle Zone).....	4-27

TABLE OF CONTENTS (Continued)

<u>SECTION</u>	<u>PAGE</u>
Figure 4-11 Shoulder Grid Composite Results, Sections 18-25 (Middle Zone).....	4-29
Figure 4-12 Shoulder Grid Composite Results, Sections 26-34 (Middle Zone).....	4-31
Figure 4-13 Shoulder Grid Composite Results, Sections 35-44 (Middle Zone).....	4-33
Figure 4-14 Shoulder Grid Composite Results, Sections 82-90 (Upper Zone)	4-35
Figure 4-15 Tundra Step-Out Results Sections 1-9 (Lower Zone).....	4-41
Figure 4-16 Tundra Step-Out Results, Sections 10-17 (Middle Zone).....	4-43
Figure 4-17 Tundra Step-Out Results, Sections 18-25 (Middle Zone).....	4-45
Figure 4-18 Tundra Step-Out Results, Sections 26-33 (Middle Zone).....	4-47
Figure 4-19 Tundra Step-Out Results, Sections 34-40 (Middle Zone).....	4-49
Figure 4-20 Tundra Step-Out Results, Sections 41-49 (Middle Zone).....	4-51
Figure 4-21 Tundra Step-Out Results, Sections 65-73 (Middle Zone).....	4-53
Figure 4-22 Tundra Step-Out Results, Sections 81-90 (Upper Zone)	4-55
Figure 4-23 Tundra Grid Results, Sections 1-9 (Lower Zone).....	4-59
Figure 4-24 Tundra Grid Results, Sections 10-17 (Middle Zone).....	4-61
Figure 4-25 Tundra Grid Results, Sections 18-25 (Middle Zone).....	4-63
Figure 4-26 Tundra Grid Results, Sections 26-33 (Middle Zone).....	4-67
Figure 4-27 Tundra Grid Results, Sections 34-42 (Middle Zone).....	4-69
Figure 4-28 Tundra Grid Results, Section 82-90 (Upper Zone).....	4-71
Figure 4-29 Geoprobe® Results, Sections 1-9 (Lower Zone).....	4-75
Figure 4-30 Geoprobe® Results, Sections 10-44 (Middle Zone).....	4-77
Figure 4-31 Geoprobe® Results, Sections 45-77 (Middle Zone).....	4-79
Figure 4-32 Geoprobe® Results, Sections 78-92 (Upper Zone)	4-81
Figure 4-33 Storage Area 1 Sample Locations and Results	4-85
Figure 4-34 Storage Area 2 Sample Locations and Results	4-87
Figure 5-1 Conceptual Site Model	5-3

TABLE OF CONTENTS (Continued)

SECTION

PAGE

APPENDICES

Appendix A	Applicable Relevant and Appropriate Requirements
Appendix B	Cost Estimate Spreadsheets and Calculations
Appendix C	Data Quality Assessment
Appendix D	Field Screening Report
Appendix E	Analytical Data
Appendix F	Photograph Log
Appendix G	Conceptual Site Model
Appendix H	Geoprobe® Logs
Appendix I	Geophysical Report
Appendix J	Field Logbooks
Appendix K	Survey Data
Appendix L	Response to Comments
Appendix M	Responsiveness Summary

ACRONYMS AND ABBREVIATIONS

AAC	Alaska Administrative Code
ADEC	Alaska Department of Environmental Conservation
ADOT	Alaska Department of Transportation
ARARs	Applicable or Relevant and Appropriate Requirements
ASG	Air Support Group
ATSDR	Agency for Toxic Substances and Disease Registry
bgs	below ground surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CES	Civil Engineer Squadron
CFR	Code of Federal Regulations
COC	Contaminant of Concern
CSM	conceptual site model
cy	cubic yard
DoD	Department of Defense
DQA	Data Quality Assessment
DRO	diesel-range organics
ECD	electron capture detectors
EE/CA	Engineering Evaluation and Cost Analysis
EPA	U.S. Environmental Protection Agency
FAA	Federal Aviation Administration
GC	gas chromatograph
GPR	ground-penetrating radar
IARC	International Agency for Research on Cancer
IC	institutional control
Jacobs	Jacobs Engineering Group, Inc.
LUC	Land Use Controls
mg/kg	milligrams per kilogram
ND	nondetect
NTCRA	non-time-critical removal action
NVPH	Native Village of Port Heiden
PA/SI	Preliminary Assessment/Site Inspection

ACRONYMS AND ABBREVIATIONS (Continued)

PCB	polychlorinated biphenyl
POL	petroleum, oil, and lubricants
RAO	removal action objectives
RI	Remedial Investigation
RRO	residual-range organics
RRS	Radio Relay Station
SGS-Alaska	SGS Laboratories, Anchorage
SI	Site Investigation
SVOC	semi-volatile organic compound
TCRA	time-critical removal action
TSCA	Toxic Substances Control Act
TSDF	treatment, storage, and disposal facility
USACE	U.S. Army Corps of Engineers
USAF	U.S. Air Force
VOC	volatile organic compound
WACS	White Alice Communication System
°F	degrees Fahrenheit
µm	micrometer

EXECUTIVE SUMMARY

This Engineering Evaluation and Cost Analysis (EE/CA) analyzes three alternatives to meet the Removal Action Objective (RAO) of protection of human health by preventing direct contact with polychlorinated biphenyl (PCB) concentrations above the Alaska Department of Environmental Conservation (ADEC) Method Two cleanup level of 1 milligram per kilogram (mg/kg) at Site Road in Port Heiden, Alaska.

This EE/CA also contains an extensive site characterization (Section 4.0) that began in August 2011 after the approval of the *Port Heiden PCB Soil Removal Action for Site Road Work Plan Addendum* (USAF 2011b). Areas adjacent to Site Road were sampled to determine the extent of the PCB contamination plume. This site characterization followed the time-critical removal action (TCRA) completed in May and June 2011 at Site Road.

The following three removal action alternatives are presented in the EE/CA:

- Alternative 1: No Action
- Alternative 2: Removal and Offsite Disposal
- Alternative 3: Removal with Partial Local Disposal and Partial Offsite Disposal

These alternatives were evaluated based on effectiveness, implementability, and cost. The preferred alternative for Site Road is Alternative 2: Removal and Offsite Disposal. Both Alternatives 2 and 3 would remove all PCB contamination above 1.0 mg/kg, but Alternative 2 removes all soil to a treatment, storage, and disposal facility (TSDF), which eliminates the need to dispose of contaminated soil at Port Heiden.

The contaminant of concern (COC) at the site is PCBs. According to the site characterization results, PCB contamination remains at levels above the ADEC 18 AAC 75 Method Two cleanup criterion in the subsurface and shoulders of Site Road, as well as areas immediately adjacent to Site Road. The highest levels of PCB contamination were found on the road shoulders. In all zones contamination decreased with distance from Site Road.

It is estimated between 19,867 to 23,391 cubic yards of contaminated soil remain along Site Road and the adjacent areas in a contamination plume that encompasses approximately 894,025 to 1,052,581 square feet. From waste characterization samples taken during the TCRA and site characterization, which were sent to a definitive laboratory, it is estimated that 69 percent of the remaining contaminated soil has concentrations between 1 and 10 mg/kg, 30 percent of the remaining soil has concentrations between 10 and 50 mg/kg, and 1 percent of the remaining soil has concentrations greater than 50 mg/kg, the concentration at which PCBs are regulated under the Toxic Substances Control Act (TSCA) 15 USC §2601 et seq. (1976).

Because PCB contamination appears to be limited to near the surface and no groundwater was observed onsite, no groundwater sampling was conducted as part of this EE/CA.

PCBs in soil present unacceptable exposure risks via the ingestion, dermal absorption, and inhalation pathways (as fugitive dust). These exposure pathways, coupled with the current contaminant concentrations identified along Site Road, pose unacceptable risks to the health and safety of the surrounding population and the environment.

Table ES-1 summarizes the three alternatives developed to address site contamination.

Table ES-1
Port Heiden Site Road Removal Alternative Cost Summary

Alternative	Alternative Description	Cost (\$)
Alternative 1	No Action	0
Alternative 2	Removal and Offsite Disposal	24,633,806
Alternative 3	Removal with Partial Local Disposal and Partial Offsite Disposal	22,203,735

1.0 INTRODUCTION

Jacobs Engineering Group Inc. (Jacobs) prepared this Engineering Evaluation and Cost Analysis (EE/CA) for the U.S. Army Corps of Engineers (USACE), Alaska District under Environmental Remediation Service contract W911KB-06-D-0006, Task Order No. 46. This EE/CA was developed in compliance with requirements of the Alaska Department of Environmental Conservation (ADEC) and U.S. Environmental Protection Agency (EPA) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

1.1 PURPOSE OF STUDY

Prior to the execution of a non-time-critical removal action (NTCRA), CERCLA requires the development of an EE/CA to evaluate potential alternatives for action.

The determination that a NTCRA was appropriate for the site was made by considering the criteria presented in 40 Code of Federal Regulations (CFR) 300.415(b)(2), specifically the factors to determine the appropriateness of eliminating the threat to public health and the environment by conducting a NTCRA. Conditions at the site meet the criteria for determining that an NTCRA is appropriate, as outlined in the *Approval for an Engineering Evaluation/Cost Analysis for Site Road* (USAF 2012). The factors considered in this determination are discussed in Section 2.8. NTCRAs are conducted when at least 6 months are available prior to initiation of onsite activities.

An EE/CA provides the logic and process for development and evaluation of potential response alternatives to eliminate the risks posed by the continued presence of contamination at a site. This EE/CA evaluates three alternatives to address the contaminated soil to prevent, minimize, and/or mitigate hazards to human health and the environment at Port Heiden Site Road (referred to herein as Site Road):

- Alternative 1: No Action
- Alternative 2: Removal and Offsite Disposal
- Alternative 3: Removal with Partial Local Disposal and Partial Offsite Disposal

Based on effectiveness, implementability, and cost, the preferred alternative for Site Road is Alternative 2: Removal and Offsite Disposal.

1.2 PROJECT BACKGROUND

A TCRA was completed in May and June of 2011 to remove contaminated soil from the driving surface of Site Road. During this project, 10 cubic yards (cy) of Toxic Substances Control Act (TSCA)-regulated PCB-contaminated soil (concentrations above 50 [mg/kg]) and 9,419 cy of non-TSCA PCB-contaminated soil (concentrations below 50 mg/kg) were removed from the surface of Site Road (U.S. Air Force [USAF 2011a]). A site characterization was initiated to determine the extent of PCB-contaminated soil greater than the ADEC Method Two cleanup level of 1.0 mg/kg at Site Road and the adjacent areas as stated in the *Action Memorandum for a Time-Critical Removal Action of PCB-Contaminated Soil* (USAF 2011d).

1.3 PROJECT TIMELINE

Received task order award – 19 April 2011

Final TCRA Action Memorandum – signed 6 May 2011

Submitted Final TCRA Work Plan for the PCB soil removal at Site Road – 16 May 2011

Mobilized to the field – 16 May 2011

Remediation of road surface – 26 May to 16 June 2011

TCRA completed – 17 June 2011

Work Plan Addendum issued 8 August 2011

Site characterization began – 16 August 2011

Site characterization (demobilization) – 2 November 2011

TCRA Draft Report issued – 9 December 2011

Approval Memorandum issued – 17 January 2012

1.4 REPORT ORGANIZATION

This report is organized into the following sections:

Section 1.0 presents the introduction.

Section 2.0 provides a description of site background and history.

Section 3.0 presents the 2011 Site Characterization Methods.

Section 4.0 presents the 2011 Site Characterization Results.

Section 5.0 presents the Conceptual Site Model.

Section 6.0 describes potential risks to human health and the environment.

Section 7.0 discusses scope, goals, and objectives of the removal action.

Section 8.0 provides a detailed analysis of the three alternatives.

Section 9.0 provides an evaluation of the alternatives based on effectiveness, implementability, and cost.

Section 10.0 provides references for the documents cited.

Figures and tables are incorporated into the text of this EE/CA where appropriate to clarify site locations and layouts, organize data, and show cost comparisons. The following appendices provide data referenced in this report:

Appendix A – Applicable Relevant and Appropriate Requirements

Appendix B – Cost Estimate Spreadsheets and Calculations

Appendix C – Data Quality Assessment

Appendix D – Field Screening Report

Appendix E – Analytical Data

Appendix F – Photograph Log

Appendix G – Conceptual Site Model

Appendix H – Geoprobe[®] Logs

Appendix I – Geophysical Report

Appendix J – Field Logbooks (provided on CD)

Appendix K – Survey Data

Appendix L – Response to Comments

Appendix M – Responsiveness Summary

(intentionally blank)

2.0 SITE BACKGROUND AND HISTORY

This section presents and summarizes relevant site background, site history, local geology, lithology, ecology, current site conditions, and past remediation activities associated with Site Road.

2.1 SITE BACKGROUND

Port Heiden, Alaska is 424 miles southwest of Anchorage, Alaska and 140 miles southwest of King Salmon, Alaska, on the north side of the Alaska Peninsula (Figure 2-1). Port Heiden encompasses 50.7 square miles of land and 0.7 square miles of water. Approximately 90 people inhabit the Native Village of Port Heiden (NVPH) year-round. Gravel roads connect Port Heiden with the former Port Heiden Radio Relay Station (RRS).

Site Road begins on the north side of the Port Heiden Airport and ends at the former RRS. Site Road has known PCB contamination and is frequently used to haul subsistence food to the homes of community members, indicating that community members may be directly exposed to PCB-contaminated soil.

Port Heiden has a sub-arctic climate with cool summers and relatively warm winters. Temperatures range from 45 to 60 degrees Fahrenheit (°F) in July and 25 °F to 35 °F in January. Precipitation averages 18 inches annually and snowfall averages 58 inches annually ([USAF 2006]).

2.2 SITE HISTORY

NVPH is the site of two former military installations (Figure 2-2):

- Fort Morrow a World War II Army Corps Airfield Base (now a formerly used defense site)
- Port Heiden RRS, previously known as a White Alice Communication System (WACS) site, a portion of which is still owned by the USAF

In the 1950s, the USAF acquired 172 acres within the former Fort Morrow Airfield Base and constructed the WACS site. The WACS site provided a telecommunications system in Alaska

during the Cold War for military and civilian purposes. USAF operated the Port Heiden WACS until 1969, when it was converted into an RRS. The Port Heiden RRS became obsolete in the 1970s and was taken offline in November 1978.

Past operations resulting in current environmental concerns at the Port Heiden RRS included transformer use, drum storage, and communications system operation. These activities released hazardous substances into the environment. Several previous site investigations and removal activities have occurred at the Port Heiden RRS site since 1981. These activities included demolishing the former structures; debris removal; and site characterization, remedial investigations, and soil cleanup efforts at various locations throughout the area.

During two focused road investigations in October 2010 and February 2011, PCBs were detected at concentrations greater than ADEC cleanup levels (1.0 mg/kg) in the road surface and beneath the surface of portions of Site Road (NVPH 2011). The PCB contamination likely originated from PCB-containing oil spread on the road for dust control by USAF during RRS operation (USAF 2011a). Results from the investigations indicated concentrations of PCBs in the road surface ranging from nondetect (ND) to 60.6 mg/kg. Figure 2-3 presents the 2010 and 2011 sampling locations and summarized analytical results.

2.3 LOCAL GEOLOGY AND LITHOLOGY

Soils in the Port Heiden area are primarily volcanic in origin; prominent nearby geologic features include Mount Veniaminof and Aniakchak Crater. Surface soils appear to be the same dark gray volcanic sands that make up the adjacent beach (USAF 2006).

During field activities, site soils were observed to consist of well-graded, poorly sorted pumice sand and gravel within the road embankment and intersecting road surfaces. The soils in areas adjacent to Site Road were observed to consist of 0 to 6 inches of a heavy vegetative mat (tundra) with occasional alders. At 6 to 12 inches below ground surface (bgs), the soil consisted of fine sand and silt with numerous fine roots, organics, and trace gravel (tundra root zone). Below the tundra root zone, soils were observed to consist of pumice sand with trace silt and gravel to the depth explored.

Figure 2-1 Site Location and Vicinity

(intentionally blank)

Figure 2-2 Former Military Installations

(intentionally blank)

Figure 2-3 Previous Investigation Results

(intentionally blank)

2.4 ECOLOGY

Port Heiden sits on a coastal plain adjacent to a large, shallow bay. The coastal plain contains several different habitats: beach, low-shrub and ericaceous heather-dominated tundra, and low, wet areas and bogs. The area is considered good wildlife habitat, and is used seasonally by caribou (*Rangifer tarandus*), waterfowl, bear, seabirds, and marine mammals. Brown bear (*Ursus arctos*) use of the area varies depending on the availability of food sources. Predators, including red fox (*Vulpes vulpes*), wolves (*Canis lupus*), wolverine (*Gulo gulo*), river otter (*Lontra canadensis*), mink (*Mustela vison*), least weasel (*Mustela nivalis*), and ermine (*Mustela erminea*), inhabit the area. The area is also used occasionally by lynx (*Lynx canadensis*) and Arctic fox (*Alopex lagopus*). Herbivores in the area include muskrat (*Ondatra zibethicus*), beaver (*Castor canadensis*), lemmings (*Lemmus sibiricus*), porcupines (*Erethizon dorsatum*), and Arctic ground squirrels (*Spermophilus undulatus*). Cockles (*Clinocardium nuttalli*) are found in the intertidal zone along some areas of the coast.

The diverse terrestrial environment of the northern side of the Alaska Peninsula is comprised mainly of open, low-shrub, and ericaceous tundra that is found on the tops and windward sides of the small hills, ridges, and exposed sites. This habitat type is dominated by heaths and includes crowberry (*Empetrum nigrum*), bearberry (*Aretostaphylos uva-ursi*), and dwarf willows (*Salix herbacea*). Additional species include low-bush cranberry (*Vaccinium vitis-idaea*), yarrow (*Achillea millefolium*), fireweed (*Epilobium angustifolium*), grasses (family Gramineae), and sedges (family Cyperaceae). The leeward sides of the hills and protected areas support the same species, but growth is taller and more robust and includes additional species such as alder (*Alnus spp.*), cow parsnip (*Heracleum maximum*), dewberry (*Rubus spp.*), monkshood (*Aconitum delphinifolium*), dwarf birch (*Betula nana*), devil's club (*Oplopanax horridus*), and others. On some protected leeward slopes, alder and willow shrubs form a continuous canopy that reaches heights of approximately 6 feet (USAF 1994).

Northern sea otters (*Enhydra lutris kenyoni*) are listed as “threatened” under the Endangered Species Act, and Steller sea lions (*Eumetopias jubatus*) are listed as “endangered” in western Alaska. Both species are present in the marine environment around Port Heiden, Alaska.

2.5 SITE ROAD BREAKDOWN

Site Road is approximately 9,200 feet long and connects the former Port Heiden RRS to the Port Heiden airport. For the TCRA, Site Road was divided into 92 sections approximately 100 feet long that were numbered 1 through 92 from south to north. These sections were grouped into three zones: Lower, Middle, and Upper. This naming convention will continue throughout this EE/CA. Each zone will be discussed in greater detail in the following paragraphs. Additionally, Site Road has been divided into left and right halves along its centerline. From the south end of the road facing north, the east side of Site Road centerline will be referred to as the right of Site Road and the west side of centerline will be referred to as the left side of Site Road. Figure 2-4 presents the overall layout of Site Road.

2.5.1 Lower Zone

The Lower Zone (Sections 1 through 9) encompasses a heavily developed area that extends approximately 900 feet along Site Road. The zone includes an Alaska Department of Transportation (ADOT) maintenance building and parking lot; a red building used as office space with an accompanying parking lot; and the main access route to the airport taxiway, apron, runway, and Storage Area 1. The Lower Zone is also currently used to stage the project field office, field laboratory, decontamination pad, and equipment storage. Figure 2-5 provides a detailed map of the Lower Zone.

The Lower Zone contains numerous active and inactive underground utilities, including a 7,200-volt electrical corridor, numerous communication lines, and the Federal Aviation Administration (FAA) airport infrastructure (lights and navigation). A geophysical investigation using ground-penetrating radar (GPR) and pipe-and-cable mapping methods located buried utilities and their approximate depths in Sections 1 through 9. Several 7,200-volt underground electrical cables were buried between 6 inches and 2 feet below existing grade within the planned excavation area. Figures 2-6, 2-7, and 2-8 show the approximate location of existing underground utilities. Several foundations of former buildings are present in the Lower Zone along Site Road. Historical satellite photographs suggest that the foundations are remnants of past airport infrastructure.

Figure 2-4 Map of Site Road

(intentionally blank)

Figure 2-5 Road Sections 1-9 (Lower Zone)

(intentionally blank)

Figure 2-6 Lower Zone Interpreted Underground Utilities

(intentionally blank)

Figure 2-7 Lower Zone Apparent Conductivity

(intentionally blank)

Figure 2-8 Lower Zone EM 31 In-Phase Response

(intentionally blank)

2.5.2 Middle Zone

Sections 10 through 77 constitute the Middle Zone, which spans approximately 6,800 feet. Within this zone, Site Road exhibits a definable toe and shoulder. The Middle Zone is not developed and contains neither infrastructure nor known buried utilities. However, access to Storage Area 2 is located within the Middle Zone. Figure 2-9 shows a detailed map of the Middle Zone.

2.5.3 Upper Zone

Sections 78 through 92 constitute the Upper Zone, which spans the remaining approximately 1,500 feet of Site Road to the former Port Heiden RRS. The Upper Zone is where Site Road changes from being created with fill material, to being cut into the surrounding embankment. The Upper Zone has neither existing structures nor known buried utilities, but remnants of past RRS infrastructures can be seen such as a concrete pad on the edge of Site Road. Currently, a remedial action through USACE is being undertaken at the former RRS in close proximity to Site Road. Figure 2-10 shows the detailed location of the Upper Zone.

(intentionally blank)

Figure 2-9 Road Sections 10-77 (Middle Zone)

(intentionally blank)

Figure 2-10 Road Sections 78 through 92 (Upper Zone)

(intentionally blank)

2.6 PREVIOUS REMOVAL ACTIONS

Below is a summary of the previous environmental work associated with the former RRS and Site Road.

1981 – 1986

- In 1984, the 5099 Civil Engineer Squadron (CES) shipped approximately 380 drums that contained PCB-bearing transformer oil, PCB-contaminated soil, waste oil, herbicides (Esteron[®] 2,4-D), solvents, and cleaning compounds from the RRS (USAF 1994).
- In 1985 and 1986, the 5099 CES shipped 410 drums of PCB-contaminated soil to Elmendorf Air Force Base. As part of this effort, 320 drums of PCB-contaminated soil were removed from an area on the southeast side of Antenna No. 2, 57 drums of PCB-contaminated soil were removed from near a doorway on the southeast corner of the composite building that had been excavated to a depth of 3 feet, and 33 drums of PCB-contaminated soil were removed from an area on the west side of Antenna No. 3 (USAF 1996).
- In 1986, samples were collected throughout the Port Heiden area, including the petroleum, oil, and lubricants (POL) tank area.

1986 – 1988

- In 1986, 1987, and 1988, USACE conducted site investigations and prepared bid documents for the demolition and restoration of the site (USAF 1994).

1989

- In 1989, USACE issued revised plans and specifications for the cleanup and restoration of Department of Defense (DoD) facilities at Port Heiden including Fort Morrow, the WACS site, and the FAA site. The plans and specifications were reviewed by EPA, ADEC, and the public (USAF 1994).

1990 - 1992

- From 1990 to 1992, contractors demolished the site and removed hazardous wastes and PCB- and petroleum-contaminated soil (USAF 1994).

1994

- In 1994, an installation-wide preliminary assessment was conducted at the Port Heiden RRS (USAF 1994).

1995

- In 1995, a *Preliminary Assessment/Site Inspection* (PA/SI), including the collection of soil samples, was performed by the 611th Air Support Group (ASG) (USAF 1996).
- Field activities during the 1995 PA/SI included the visual inspection of Landfill A and Landfill B to determine the status of the landfill caps. The caps appeared to be intact and well-vegetated with no apparent erosion. However, no signboard or marker was located that identified Landfill A or indicated the presence of buried asbestos-containing material (USAF 1996).

1998

- In 1998, a Site Investigation (SI) was completed at the Port Heiden RRS. Five soil samples were collected at the septic tank location and analyzed for volatile organic compounds (VOC), semi-volatile organic compounds (SVOC), priority pollutant metals, PCBs, diesel-range organics (DRO), and residual-range organics (RRO) (USAF 2000).

2000

- An additional SI was performed in 2000 that included the collection of soil samples at locations identified as needing further investigation (USAF 2000).

2004

- In 2004, Remedial Investigation (RI) fieldwork was completed at the Port Heiden RRS. The objective of the RI was to delineate the nature and extent of any contamination present, determine the remedial alternatives that would best address risks to human health and the environment associated with any site contamination, and prepare a Record of Decision for the former facility (USAF 2006).

2009

- Field activities included installation of temporary well points and permanent monitoring wells, sampling of subsurface soil and groundwater from well boreholes, and sampling of surface water and soil (NVPH 2011).
- During a 2009 removal action at the RRS, a dump truck overturned. During the cleanup from the accident, PCB-contaminated soil was identified on the access road.

2010

- Samples collected in October 2010 confirmed PCB contamination along Site Road but did not delineate the extent (USAF 2011a).

2011

- Samples collected in February 2011 indicated PCB contamination concentrated in two main locations along Site Road at varying depths. TSCA-level soil concentrations identified at Site Road were recorded, and an Action Memorandum and a TCRA were initiated. The resulting TCRA was completed on 17 June 2011.
- A site characterization was performed between August and October of 2011 (USAF 2011a).

2.7 TCRA SUMMARY

The TCRA began in May of 2011 with the intended objective of removing soil containing PCB at concentrations greater than or equal to 1.0 mg/kg from the drivable surface of Site Road. The TCRA “was performed to prevent substantial threat to public health, welfare, and the environment (USAF 2011d).” The TCRA was completed and Site Road was re-opened in mid-June of 2011, prior to the 2011 subsistence season.

Due to the time-sensitive nature of the TCRA, several places were backfilled based on field screening results before definitive results were obtained. Several locations returned definitive results above 1.0 mg/kg. These locations, which will be addressed during the next removal action following the CERCLA process, are shown in Figures 2-11, 2-12, and 2-13.

(intentionally blank)

Figure 2-11 Site Road Surface Results, Sections 1 through 8 (Lower Zone)

(intentionally blank)

Figure 2-12 Site Road Surface Results, Sections 25 through 31 (Middle Zone)

(intentionally blank)

Figure 2-13 Site Road Surface Results, Sections 81 through 92 (Upper Zone)

(intentionally blank)

2.8 REMOVAL ACTION APPROPRIATENESS

An NTCRA was determined to be appropriate for Site Road in Port Heiden, Alaska. The NTCRA will mitigate the threat to public health and the environment by removing soil containing PCB concentrations above ADEC Method Two cleanup criteria (1.0 mg/kg). The appropriateness of the removal action was determined by considering the following factors:

- Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances, pollutants, or contaminants:
 - Site Road is located near the village of Port Heiden and people routinely travel through the area that has reported PCB contamination. The human population and animals could be subjected to PCB contamination above cleanup criteria by the fugitive dust leaving Site Road.
- Actual or potential contamination of drinking water supplies or sensitive ecosystems:
 - Drinking water is not suspected to be influenced by the PCBs associated with Site Road, as PCBs have not been identified in the water table. PCB contamination has been identified in the top 24 inches of soil.
- Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers, that may pose a threat of release:
 - Hazardous substances or pollutants in drums or barrels, tanks or other bulk storage containers have not been identified. PCB contamination is suspected to be a result of road oiling during RRS operations.
- High levels of hazardous substances, pollutants, or contaminants in soils largely at or near the surface, that may migrate:
 - **PCB concentrations above cleanup criteria have been identified at or near the surface of Site Road and its shoulders that have the potential to migrate with traffic and due to wind conditions. PCB concentrations have been identified above TSCA-regulated levels (above 50 mg/kg) in two locations of Site Road.**
- Weather conditions that may cause hazardous substances, pollutants, or contaminants to migrate or be released:
 - Windy weather could cause PCB contamination to spread from Site Road by transferring soil particles to the surrounding tundra and subsistence grounds
- Threat of fire or explosion:
 - The threat of fire or explosion is not elevated by the level of PCB contamination; site Road has no known fire or explosion hazards.

- The availability of other appropriate federal or state response mechanisms in the event of a release:
 - An NTCRA provides a reasonable and rapid response appropriate to address this release.
- Other situations or factors that may pose threats to public health or the welfare of the United States or the environment.
 - The area around Site Road is used for subsistence hunting and gathering, which presents a potential for food supply contamination if PCB contamination above cleanup levels were to spread.

3.0 2011 SITE CHARACTERIZATION METHODS

Field activities described in the *PCB Soil Removal Action for Site Road Work Plan Addendum* (USAF 2011b) were performed to characterize Site Road and the adjacent areas after the completion of the TCRA activities. The Jacobs field team mobilized to Port Heiden on 16 August 2011 and performed site characterization activities until early November 2011, when they were forced to shut down because of adverse weather conditions at the site. The field effort initially focused on the toe of the outer slope of Site Road to the edge of the drivable surface (referred to as the shoulder of the road).

Jacobs successfully characterized both shoulders of Site Road from the Airport to the RRS and began characterizing the areas immediately adjacent to Site Road, including the ditches and adjacent tundra, to find the extent of PCB contamination originating from Site Road. Because site characterization activities were not completed due to weather, additional site characterization will be conducted simultaneously with excavation of previously characterized areas during the 2012 field season.

3.1 SOIL SAMPLING TECHNIQUES

Four soil sampling techniques were used to characterize PCB contamination at Site Road:

- Section composite sampling
- Grid composite sampling
- Tundra step-out sampling
- Subsurface sampling

Samples were collected as composite or discrete samples:

- Composite samples were collected in the section composite sampling and grid composite sampling techniques discussed in Sections 3.1.1 and 3.1.2, respectively.
- Discrete samples were collected during tundra step-out sampling as discussed in Sections 3.1.3; subsurface samples are discussed in Section 3.1.4.

Background samples were also collected prior to the construction of project-related features. These background samples are discussed in Section 4.7.

Figure 3-1 describes the decision-making process used for sample collection. All sample locations are shown on Figure 3-4.

3.1.1 Shoulder Section Composite Sampling

Shoulder section composite sampling was used as an initial screening tool to determine the contaminant level for each 100-foot shoulder section of Site Road. A composite sample was collected by combining eight spatially discrete soil samples from each 100-foot section of the roadway shoulder. Section composite samples were collected in accordance with the Work Plan Addendum (USAF 2011b). The composite sampling approach is shown in Figure 3-2.

3.1.2 Grid Composite Sampling

Grid composite sampling was used to assess the extent of contamination within a maximum 15-foot by 15-foot area in accordance with 40 CFR 761.61(a)(6), Subpart O. Grid composite samples were collected by combining up to nine aliquots (spaced 5 feet apart) into one analytical sample (Figure 3-3). In cases where the sampling area was smaller than 15 square feet, the number of grid samples collected was reduced to maintain 5 feet between subsamples. Grid composite samples were taken where section composite samples showed contamination above field action levels as shown in Figure 3-1.

3.1.3 Tundra Step-Out Sampling

Tundra step-out sampling was used to gauge the dispersion of PCB contamination across the tundra. A discrete tundra surface sample was collected 50 feet perpendicular from the centerline of Site Road at the midpoint of every 100-foot section. If the discrete tundra surface sample indicated a PCB concentration above the action level, then additional samples were collected until the extent of contamination was determined. Additional samples were collected at 25-foot increments from the centerline of Site Road along the surface and at 6-inch increments bgs until field screening samples indicated that PCB concentrations were below the action level.

Figure 3-1 Sampling Decision Tree

(intentionally blank)

Figure 3-2 Composite Sampling Approach

(intentionally blank)

Figure 3-3 Grid Sampling Approach

(intentionally blank)

Figure 3-4 Shoulder Profile, Shoulder Grid, Tundra Step-Out and Geoprobe[®] Locations

(intentionally blank)

3.1.4 Subsurface Sampling using a Geoprobe®

A Geoprobe® 540MT direct push drill rig with a Macro-Core® was utilized to collect core samples in acetate sleeves. This system was used to determine PCB contamination at various depths. Soil samples were collected from every 2-foot interval and analyzed for PCB contamination.

3.2 SOIL ANALYSIS

All soil samples collected from Site Road were analyzed for PCBs using either a mobile field laboratory for screening level results or accredited laboratory for definitive analysis. The mobile laboratory provided near real-time data to expedite and guide excavation activities as well as reduce the waste stream produced by the project. The definitive analytical laboratory was used to confirm the PCB contamination levels found by the mobile laboratory. Duplicate samples were collected in accordance with the Work Plan Addendum (USAF 2011b).

3.2.1 Mobile Laboratory Field Screening

The mobile laboratory was equipped with an Agilent 7890A gas chromatograph (GC) with electron capture detectors (ECD) to field screening soil samples. A field screening action level was determined using a correlation factor between field and fixed laboratory results; the correlation factor is described in detail in Appendix D. Field screening results were grouped into three categories. Samples with field screening PCB concentration below 0.2 mg/kg were considered to be below the ADEC cleanup level of 1.0 mg/kg and were tagged for no further action. Samples with field screening PCB concentrations between 0.2 and 0.4 mg/kg were considered to be potentially above the ADEC cleanup level and were sent to accredited laboratory for definitive analysis. Samples with field screening concentrations above 0.4 mg/kg were considered above the ADEC cleanup level and were flagged for future removal. This process is shown on Figure 3-1.

3.2.2 Correlation of Onsite Field Laboratory Results

Field laboratory performance was evaluated by correlation analysis of onsite field laboratory results and offsite fixed laboratory results. The objective was to verify the correlation between the field laboratory and the fixed laboratory that was previously determined during the TCRA phase of the 2011 field effort. In order to meet this objective, field samples were regularly split and analyzed by both the field laboratory and the offsite laboratory for PCBs. SGS Environmental Services-Anchorage (SGS-Alaska) was selected as the primary laboratory for the Port Heiden field effort to receive samples for the 2011 field season.

The results obtained from these split samples, excluding results over the instrument calibration range and nondetect results, were analyzed using Microsoft® Excel's regression data analysis tool to obtain the correlation coefficient (R). The correlation coefficient is a number used to determine the linear relationship between two sets of data. If there is no linear relationship between the data sets, the correlation coefficient is low with an R-value less than 0.50. If there is a strong linear relationship between the data sets, the correlation coefficient is high with an R-value greater than 0.80. An R-value of 1.0 represents a perfect correlation. A strong linear relationship between results would demonstrate that the field laboratory procedures produce results consistent with those of the offsite laboratory.

Analysis of the samples collected during the 2011 site characterization presented two distinct groups of data that were dependent upon sample collection location. Samples collected from the road shoulder presented a correlation factor and bias that was similar to previous data presented in the 2011 TCRA. Samples collected from the tundra adjacent to Site Road were not analyzed using a correlation analysis due to the narrow range of sample results available from SGS-Alaska. Both groups of data are discussed below.

3.2.3 Road Shoulder Correlation Analysis

Table 3-1 summarizes the results of the correlation analysis for the road shoulder samples from SGS-Alaska. Only Aroclor 1260 has been found on Site Road and adjacent areas; no

other Aroclors were detected during previous sampling. Appendix D contains the complete correlation data set and associated statistical calculation results.

Table 3-1
SGS-Alaska Shoulder Sample Correlation Analysis Results

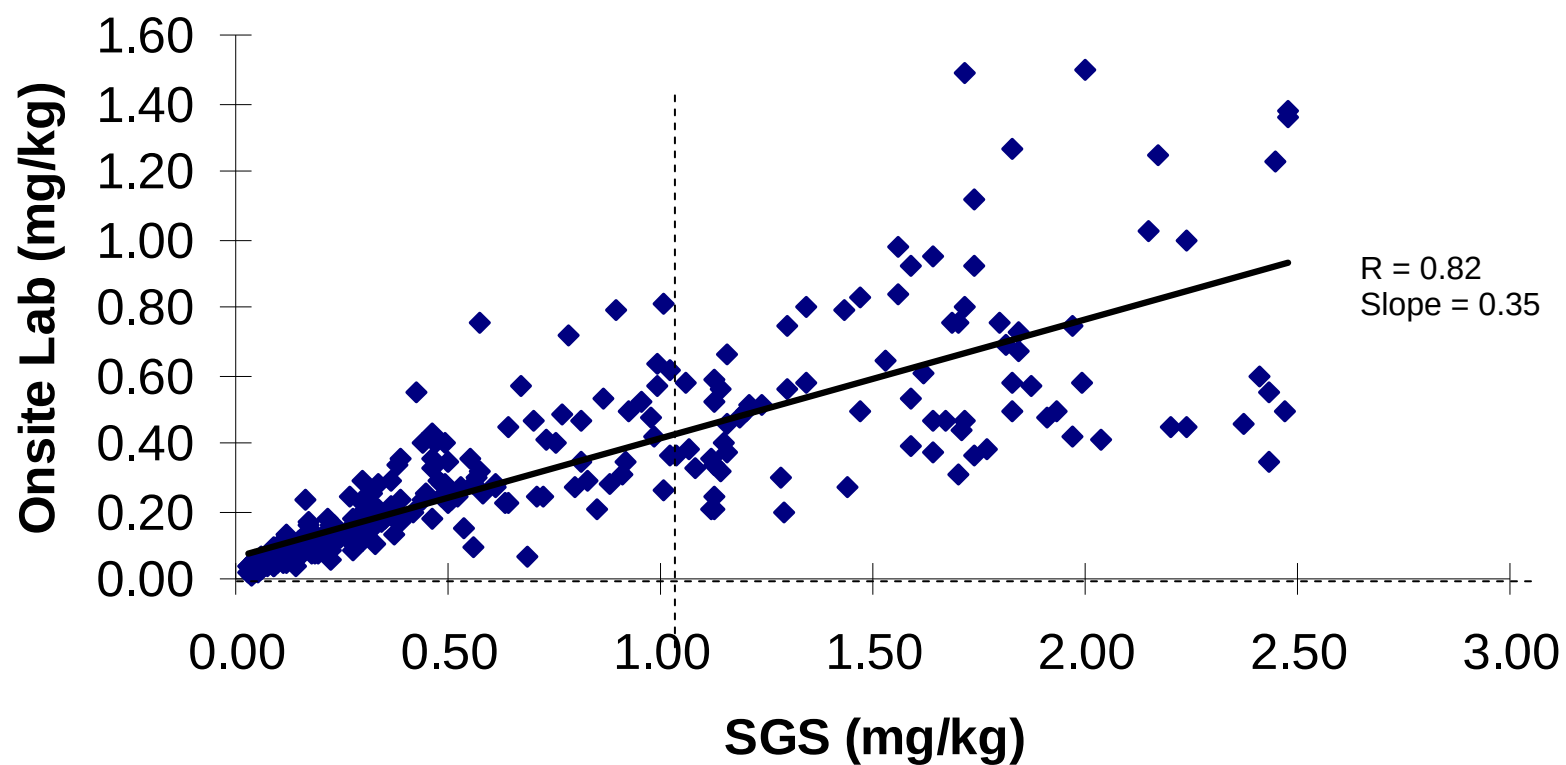
Laboratory Analysis	Correlation Coefficient (R)	Number of Samples
SW8082A (Aroclor 1260)	0.82	305

The high R-value for the Aroclor 1260 correlation between field and fixed laboratory results for road shoulder samples demonstrates acceptable field laboratory performance. The R-value for road shoulder Aroclor 1260 at 0.82 was consistent with the R-value determined for the road surface samples during the TCRA of 0.83. Additionally, the average bias for road shoulder samples was 0.349, which was similar to the previously determined bias of 0.426 for the road surface samples. Average biases were determined from the slope of the correlation regression line. Data presented by the road shoulder samples indicated the previously determined onsite field action level of 0.2 mg/kg was adequate for field screening assessment of PCB concentration.

The bias presented by the road shoulder samples indicates that the onsite laboratory results could potentially be 2.9 times lower than the fixed laboratory results. This bias is slightly higher than the bias presented by the TCRA field effort. However, the bias did not affect decisions made in the field. Field samples below the action level of 0.2 mg/kg were considered to have PCB concentrations below 1.0 mg/kg, samples between 0.2 mg/kg and 0.4 mg/kg were sent to a definitive laboratory for conformation, and samples above 0.6 mg/kg were considered to have PCB concentrations greater than 1.0 mg/kg. As described in the TCRA, the cause of the bias is likely due to the differences in the extraction solvent used by the two laboratories. The field laboratory used a mixture of hexane and acetone, whereas the fixed laboratory used a more aggressive solvent, methylene chloride, for the extraction process.

Correlation Plot Aroclor 1260

Road Shoulder Samples



3.2.4 Tundra Correlation Analysis

During the 2012 field season, only samples collected from the tundra that had field laboratory results between 0.2 and 0.6 mg/kg were sent to the fixed laboratory for confirmation. The range of tundra samples was chosen based on the previously identified field action level of 0.2 mg/kg. In order to minimize the waste stream produced by the excavation, the upper range of samples sent to the fixed laboratory was extended to 0.6 mg/kg. The tundra samples sent to the fixed laboratory are not representative of the field laboratory's performance over the entire range of concentrations; therefore, a correlation analysis for comparison between the field and fixed laboratories is not applicable for the tundra samples.

To assess the efficiency of the field laboratory in estimating the concentration of Aroclor 1260 in the tundra samples, individual sample results were compared between the field and fixed laboratories. All tundra samples confirmed to be greater than 1.0 mg/kg by the fixed laboratory had an initial field laboratory result greater than 0.2 mg/kg. However, of the tundra samples confirmed by the fixed laboratory to have an Aroclor 1260 concentration less than 1.0 mg/kg, only two samples had a field screening concentration below the action level of 0.2 mg/kg. This indicates that the field laboratory underestimated the number of tundra samples containing PCB concentrations over the cleanup level of 1.0 mg/kg.

The data available for the tundra samples suggest that the previously determined field action level for the road surface and shoulder samples (0.2 mg/kg) is not sufficient for use on the tundra samples. Data gaps in the tundra step out sample locations will need to be addressed during 2012 field efforts. The cause of the differences between the road and tundra performance may be due to differences in the efficiency of extraction solvents, drying procedures, or particle size. Tundra samples will be re-evaluated to determine the extent of PCB contamination adjacent to Site Road once the cause of the bias between field and fixed laboratories has been identified.

Field laboratory results below 0.2 mg/kg for tundra samples will not be used for characterization/delineation due to the poor correlation experienced. These samples will be sent to a definitive laboratory for analysis. All characterization/delineation samples in the future will be certified by a definitive laboratory.

4.0 2011 SITE CHARACTERIZATION

The following six subsections discuss in detail site characterization results and conclusions. Shoulder profile, shoulder composite, shoulder grid, tundra step-out, tundra grid, and subsurface sampling results and conclusions are discussed below.

4.1 SHOULDER PROFILING

Shoulder profile sampling was used to develop an understanding of the distribution of contaminated soil within the road shoulders. An excavator was used to create a trench that exposed a vertical profile in the shoulder of the road at five locations along the length of Site Road. Five locations were thought to be accurately representative of the entire length of Site Road as discussed in the Work Plan Addendum (USAF 2011b). Four shoulder profiles were sampled in areas of known contamination (Sections 16R, 27R, 35L, and 83L). The fifth shoulder profile was sampled from a section of Site Road that had not previously indicated any PCB contamination (Section 61R). Shoulder profile samples were collected as discrete samples from each vertical profile in 6-inch increments vertically and 12-inch increments horizontally. Samples were collected in Ziploc[®] bags and screened in the mobile field laboratory; no samples were sent to the definitive laboratory. Figure 3-4 shows the field sampling locations and Figure 4-1a graphically depicts the shoulder profile sampling plan.

During shoulder profile characterization at Site Road, 328 samples were collected. The shoulder profile results indicate that PCB contamination decreases in concentration with depth. In each shoulder profile, the highest PCB concentrations occurred within 18 inches bgs. PCBs were below field action levels at the interface of the shoulder fill and native soil in all five profiles. In three of the five shoulder profiles, PCBs were not detected at the interface of the shoulder fill and native soil.

In all five trenches, PCB contamination appeared to follow stratum near the surface in the shoulders of Site Road, which suggests that PCB contamination could be reduced to below 1.0 mg/kg by excavating the shoulders and the main body of Site Road. A detailed description

of the shoulder profile analysis is included in Appendix D. Details for the sample collections at each shoulder profile are described in Table 4-1.

**Table 4-1
Shoulder Profile Sampling**

Zone	Section	Side of Site Road	Height of Vertical Face (inches)	Shoulder width (inches)	Number of Samples Collected	Lowest Field Screening Concentration (mg/kg)	Highest Field Screening Concentration (mg/kg)
Middle	16	Right	24	48	35	0.13	20.2
Middle	27	Right	30	60	48	ND	9.03
Middle	35	Left	36	108	93	0.02	65.8
Middle	61	Right	36	84	71	ND	0.23
Upper	83	Left	48	72	81	ND	0.83

Note:

ND = Not detected

The results of the discrete shoulder profiling are shown in Figure 4-1b. Within Sections 16R, 27R, and 61R, PCB contamination was concentrated within 6 inches bgs. At Sections 35L, eight different samples from 12 to 24 inches bgs had field screening results greater than 15 mg/kg, indicating the potential presence of TSCA-regulated waste (PCB concentrations greater than 50 mg/kg). Section 35L will require further investigation with definitive lab results because of the potential presence of TSCA-regulated waste.

Of 81 samples collected, nineteen samples from Section 83L had field screening levels over 0.2 mg/kg on or within 12 inches bgs, and six samples had field screening levels greater than 0.2 mg/kg but less than 0.83 mg/kg between 18 and 24 inches bgs.

The variance between the five shoulder locations shows that PCB contamination is not consistent throughout the length of Site Road. PCBs may have been deposited more heavily in some areas resulting in higher concentrations and at deeper depths.

Figure 4-1a Shoulder Profile Field Sampling Approach

(intentionally blank)

Figure 4-1b Shoulder Profile Results

(intentionally blank)

4.2 SHOULDER COMPOSITE SAMPLING

Shoulder composite samples were collected to identify sections of Site Road where contaminant levels in the road shoulders were above 1.0 mg/kg. Two eight-point composite samples per 100 linear feet of road shoulder were collected from each side along the entire length of Site Road. Samples were collected in four pairs every 25 feet starting at the 12.5-foot mark of each section. Of each pair of samples, one sample was collected 18 inches from the edge of the driving surface and the other sample was collected halfway between the first sample and the toe of the slope, as shown on Figure 3-2. Two composite samples were collected from each section, one from 0 to 6 inches bgs and one from 6 to 12 inches bgs.

All shoulder composite samples were analyzed by both the mobile field laboratory and an accredited laboratory for definitive results. Field screening results greater than 0.2 mg/kg initiated further shoulder grid sampling (described in Section 3.3) as well as sampling of the adjacent tundra (described in Section 3.4). Field screening results less than 0.2 mg/kg resulted in no further action. If the samples at 6 to 12 inches bgs had definitive results greater than 1.0 mg/kg, the area was flagged for the next removal action. Shoulder composite samples from Sections 1 through 43 and 78 through 90 had PCB concentrations greater than the field action level, resulting in further investigation to determine the extent of PCB contamination.

Shoulder composite results from the Lower Zone (Sections 1 through 9) ranged from 0.58 mg/kg to 69.5 mg/kg. All composite samples collected at 0 to 6 and 6 to 12 inches bgs were greater than 1.0 mg/kg with two exceptions: the left shoulder of Section 2 (0 to 6 inches and 6 to 12 inches), which was taken from road fill brought in during the 2011 TCRA, and the right shoulder of Section 7 at 6 to 12 inches bgs. The right shoulder of Section 8R at 0 to 6 inches bgs had the highest PCB concentration in the Lower Zone at 69.5 mg/kg. Section 8R will require additional investigation because of the potential TSCA-regulated soil (greater than 50 mg/kg). With the exception of Section 8, shoulder composite results from the Lower Zone did not suggest a trend toward higher PCB concentrations on either side (Figure 4-2).

Shoulder composite samples collected at both 0 to 6 and 6 to 12 inches bgs in the Middle Zone presented a general trend of decreasing PCB concentrations as sampling progressed

northward toward the RRS. PCB concentrations in the Middle Zone were above 1.0 mg/kg at 0 to 6 inches and 6 to 12 inches bgs for Sections 10 through 41 with the exception of Sections 10, 14, 15, 25 and 28 at 6 to 12 inches, and Section 28 at 0 to 6 inches (Figures 4-3, 4-4, 4-5, and 4-6). Section 42 represents the southernmost transition zone where samples had results below 1.0 mg/kg; Sections 43 through 76 results were all below 1.0 mg/kg.

Shoulder composite results from Upper Zone Sections 78 through 86, were all below the ADEC cleanup level of 1.0 mg/kg at 0 to 6 inches and 6 to 12 inches bgs. Results in Sections 78 through 86 ranged from 0.083 mg/kg to 0.671 mg/kg. Some samples between sections 87 through 90 exceeded 1.0 mg/kg at 0 to 6 inches and 6 to 12 inches bgs with results that ranged from 0.363 mg/kg to 2.00 mg/kg (Figure 4-7).

Figure 4-2 Shoulder Composite Results, Sections 1 through 9 (Lower Zone)

(intentionally blank)

Figure 4-3 Shoulder Composite Results, Sections 10 through 25 (Middle Zone)

(intentionally blank)

Figure 4-4 Shoulder Composite Results, Sections 26 through 40 (Middle Zone)

(intentionally blank)

Figure 4-5 Shoulder Composite Results, Sections 41 through 55 (Middle Zone)

(intentionally blank)

Figure 4-6 Shoulder Composite Results, Sections 56 through 77 (Middle Zone)

(intentionally blank)

Figure 4-7 Shoulder Composite Results, Sections 78 through 90 (Upper Zone)

(intentionally blank)

4.3 SHOULDER GRID COMPOSITE SAMPLING

Shoulder grid composite sampling was used to determine the extent of PCB contamination within sections of Site Road that had shoulder composite PCB concentrations greater than 1.0 mg/kg at 6 inches bgs. Sections were divided into six 15-foot grids and one 10-foot grid along the length of the shoulder next to the edge of the drivable surface. The width of each grid equaled the width of the shoulder, with a maximum width of 15 feet. Where shoulders were less than 15 feet, the remaining tundra in that 15-foot grid was sampled separately to see whether there was a difference between the road shoulder and the tundra within an individual grid. Each of the resulting seven grids was given a letter designation of A through G, with A being the first in the series. Figure 4-8 presents the conceptual naming diagram for the shoulder grid sampling.

The shoulder grid sampling approach showed that PCBs consistently range in concentration from 1.0 to 18.0 mg/kg in sections of Site Road that show contamination. Shoulder grid sampling also showed that if a shoulder composite sample had results above 1.0 mg/kg, then grid samples had similar concentrations.

Although all shoulder composite samples collected from the Lower Zone at 0 to 6 inches bgs indicated PCB concentrations greater than 1.0 mg/kg, Sections 2 through 8 and the left shoulder of Section 1 were avoided during shoulder grid composite sampling due to the presence of underground utilities. Therefore, only the right shoulder of Section 1 was grid sampled; it was found to have concentrations of PCBs greater than the field action level. Section 9 was grid sampled on both the right and left shoulders. Sampling results from grids A through G on both the right and left shoulders of Section 9 indicated that contamination was homogeneous along the length of Section 9 with PCB concentrations greater the field action level. Figure 4-9 shows results for the Lower Zone.

Of the shoulder grids sampled within the Middle Zone, the majority had results greater than field action levels, with a few exceptions: field screening on the left shoulder grids 13G, 15F, 16A, 18B, 19E, and 19G indicated that PCB concentrations were below 0.2 mg/kg. The right shoulder of Section 27, 28 and 38 also had a PCB concentration below field action levels, but

in these three cases, all samples were collected from new fill brought in during the TCRA. Figures 4-10, 4-11, 4-12, and 4-13 present the shoulder grid results for the Middle Zone. Adjacent grid samples tend to have similar PCB concentrations, but grids vary in concentrations along the length of Site Road. These PCB concentrations seem to support road oiling as a potential pollutant source rather than a single point source.

Shoulder grid results for the Upper Zone are shown on Figure 4-14. Only Sections 83 through 90 were sampled – in general, field screening results had detected PCB contamination above field action levels, but at levels that would produce definitive results with levels around 1.0 mg/kg or slightly higher based on the correlation factor. In the Upper Zone, PCB contamination increased toward the north.

Figure 4-8 Conceptual Section Naming Diagram

(intentionally blank)

Figure 4-9 Shoulder Grid Composite Results, Sections 1 through 9 (Lower Zone)

(intentionally blank)

Figure 4-10 Shoulder Grid Composite Results, Sections 10 through 17 (Middle Zone)

(intentionally blank)

Figure 4-11 Shoulder Grid Composite Results, Sections 18 through 25 (Middle Zone)

(intentionally blank)

Figure 4-12 Shoulder Grid Composite Results, Sections 26 through 34 (Middle Zone)

(intentionally blank)

Figure 4-13 Shoulder Grid Composite Results, Sections 35 through 44 (Middle Zone)

(intentionally blank)

Figure 4-14 Shoulder Grid Composite Results, Sections 82 through 90 (Upper Zone)

(intentionally blank)

4.4 TUNDRA STEP-OUT SAMPLING

Tundra step-out samples were collected to determine the dispersion of PCB contamination from Site Road into the tundra when shoulder composite samples collected from 6 inches bgs exceeded 0.2 mg/kg. Discrete tundra step-out samples were taken from the soil within the top of the tundra plug carefully to avoid organic matter.

In general, the tundra step-out sample results indicate a higher level of contamination on the left side of Site Road. Contamination appeared to be contained within 100 feet of Site Road; however, PCB contamination was found as far as 200 feet from Site Road on a few occasions. Tundra step-out sample results also showed that contamination decreases with distance from Site Road, and suggested that contamination is contained within the top layer of the soil strata.

Seventeen tundra step-out samples were collected from the surface of the Lower Zone. All surface samples were above the field action level of 0.2 mg/kg with the exception of Section 3R. Table 4-2 presents the number of field samples taken in the Lower Zone. Figure 4-15 shows results for the Lower Zone.

**Table 4-2
Lower Zone Tundra Step-Out Breakdown**

Depth'	Field Samples at 50 ft	Field Samples at 75 ft	Field Samples at 100 ft	Samples at 125 ft and greater	Total
Left Shoulder					
6	8	4	4	4	20
12	8	3	0	3	14
18	5	0	0	0	5
24	0	0	0	0	0
-	-	-	-	-	39
Right Shoulder					
6	9	8	3	0	20
12	8	3	0	0	11
18	0	0	0	0	0
24	0	0	0	0	0
-	-	-	-	-	31

According to field screening results in the Middle Zone, more samples were taken on the left side of Site Road, indicating that potentially more PCB contamination may exist on that side. More sampling was initiated when any samples had results above the set field action level of 0.2 mg/kg; thus, more frequent sampling can be associated with higher contamination levels. Table 4-3 presents the number of field samples taken in the Middle Zone. Figures 4-16 through 4-21 show the results of the Middle Zone.

**Table 4-3
Middle Zone Tundra Step-Out Breakdown**

Depth'	Field Samples at 50 ft	Field Samples at 75 ft	Field Samples at 100 ft	Samples at 125 ft and greater	Total
Left Shoulder					
6	36	31	25	13	105
12	32	25	11	2	70
18	3	1	0	0	4
24	1	0	0	0	1
-	-	-	-	-	180
Right Shoulder					
6	37	19	7	1	64
12	19	8	1	0	28
18	1	0	0	0	1
24	0	0	0	0	0
-	-	-	-	-	93

In the Upper Zone, contamination continued to be more broadly disseminated on the left side of Site Road than on the right. Again, surface contamination seemed to be contained within 100 feet of Site Road; the only exception was the left side of Section 90 where samples results above the action level were identified out to 200 feet, but the contamination was limited to the top 12 inches. Table 4-4 presents the number of field samples taken in the Upper Zone. Figure 4-22 shows results for Sections 78 through 90 of the Upper Zone.

Table 4-4
Upper Zone Tundra Step-Out Breakdown

Depth	Field Samples at 50 feet	Field Samples at 75 feet	Field Samples at 100 feet	Samples at 125 feet and greater	Total
Left Shoulder					
6	10	5	3	5	23
12	5	3	2	3	13
18	0	0	0	0	0
24	0	0	0	0	0
-	-	-	-	-	36
Right Shoulder					
6	8	5	4	0	17
12	5	4	0	0	9
18	0	1	0	0	1
24	0	0	0	0	0
-	-	-	-	-	27

(intentionally blank)

Figure 4-15 Tundra Step-Out Results Sections 1 through 9 (Lower Zone)

(intentionally blank)

Figure 4-16 Tundra Step-Out Results, Sections 10 through 17 (Middle Zone)

(intentionally blank)

Figure 4-17 Tundra Step-Out Results, Sections 18 through 25 (Middle Zone)

(intentionally blank)

Figure 4-18 Tundra Step-Out Results, Sections 26 through 33 (Middle Zone)

(intentionally blank)

Figure 4-19 Tundra Step-Out Results, Sections 34 through 40 (Middle Zone)

(intentionally blank)

Figure 4-20 Tundra Step-Out Results, Sections 41 through 49 (Middle Zone)

(intentionally blank)

Figure 4-21 Tundra Step-Out Results, Sections 65 through 73 (Middle Zone)

(intentionally blank)

Figure 4-22 Tundra Step-Out Results, Sections 81 through 90 (Upper Zone)

(intentionally blank)

4.5 TUNDRA GRID COMPOSITE SAMPLING

Tundra grid composite sampling was used to further refine the estimated extent of contamination identified by the shoulder grid samples and tundra step-out samples. Tundra grid sampling followed the modified EPA-approved method (15-feet by 15-feet or smaller) (40 CFR 761, Subpart O) as discussed in Section 3.1.2. Grid sampling nomenclature was retained from the tundra step-out naming system. Grid rows were labeled A through G with column 1 referring to the first column running parallel with the road (Figure 4.8 shows the typical grid naming convention). Grid sample results greater than the field action level of 0.2 mg/kg initiated grid sampling in the adjacent column. This process was repeated outward from Site Road until field screening results were below the field action level. Tundra grid samples that ranged from 0.2 to 0.6 mg/kg were sent to an accredited laboratory for definitive analysis.

Tundra grid sampling results indicate that PCB contamination is concentrated on the left side of Site Road in the Lower and Middle Zones, but is equally dispersed among the left and right sides of Site Road in the Upper Zone. In all zones, contamination decreased with distance from the centerline of Site Road, and most PCB contamination appeared to be concentrated within 100 feet of the centerline. The maximum detected contaminant level of 8.05 mg/kg exceeds the ADEC cleanup level, but no results exceeded the TSCA action level of 50 mg/kg.

Due to the presence of underground utilities, Section 1R and 9L were the only sections of the Lower Zone sampled using the tundra grid sampling approach. Four samples in Section 1R had actionable field screening results; two definitive results were below 1.0 mg/kg, and one definitive result was above 1.0 mg/kg. Six of the seven grids sampled from column 1 of Section 9L were sent to an accredited laboratory for definitive analysis and confirmed to have contaminant levels greater than 1.0 mg/kg; the one sample that was not sent was already determined to be actionable based on field screening levels. Figure 4-23 shows the tundra grid sample results for the Lower Zone.

The following paragraphs relate to the Middle Zone; they have been separated in this report due to the limited amount of data that can be shown on the figures.

Within Sections 10 through 25 in the Middle Zone, 435 grid samples were collected and field screened. A total of 314 samples were obtained from the left side and 121 samples were obtained from the right side. Of those samples, 99 had field screening results below the field action level (0.2 mg/kg), resulting in no further action, and 216 samples were determined to have field screening results greater than 0.4 mg/kg. Out of 216 samples with field screen results above 0.4 mg/kg, 60 samples had field screening results between 0.4 and 0.6 mg/kg. These samples were sent for definitive analysis. Seven samples reported results below 1.0 mg/kg; 209 samples were flagged for removal.

Field screening results between 0.2 and 0.4 mg/kg occurred in 120 samples, but only 118 grid samples were sent for definitive analysis and confirmation. Of the 118 samples sent for definitive analysis, 50 were found to have PCB concentrations less than 1.0 mg/kg; the remaining 68 samples were flagged for removal.

Overall results from field screening and definitive analysis of Sections 10 through 25 of the Middle Zone indicate that 279 sample grids out of 435 sampled (64 percent) will require excavation during the 2012 field season. Table 4-5 below shows field screening and definitive results broken down by PCB concentration. Figures 4-24 and 4-25 show results for Sections 10 through 25 of the Middle Zone.

**Table 4-5
Middle Zone (Sections 10 through 25) Tundra Grid Breakdown**

PCB Concentration (mg/kg)	Total Field Samples	Total Definitive Samples	Definitive Results above 1.0 mg/kg	Definitive results below 1.0 mg/kg
0 to 0.1	28	0	0	0
>0.1 to 0.2	73	2	1	1
> 0.2 to 0.4	118	116	67	49
>0.4 to 0.6	61	60	53	7
> 0.6	155	2	2	0

Figure 4-23 Tundra Grid Results, Sections 1 through 9 (Lower Zone)

(intentionally blank)

Figure 4-24 Tundra Grid Results, Sections 10 through 17 (Middle Zone)

(intentionally blank)

Figure 4-25 Tundra Grid Results, Sections 18 through 25 (Middle Zone)

(intentionally blank)

Within Sections 26 through 42 of the Middle Zone, 469 grid samples were collected and field screened: 298 from the left side and 171 from the right side. Of these grid samples, 75 had field screening results below the field action level (0.2 mg/kg), resulting in no further action, and 285 samples reported field screening results greater than 0.4 mg/kg. Of the 285 samples with field screen results above 0.4 mg/kg, 84 samples had field screening results between 0.4 and 0.6 mg/kg that were also sent for definitive analysis. Seven samples reported results below 1.0 mg/kg, and the remaining 77 samples were flagged for removal.

A total of 109 grid samples had field screening results between 0.2 and 0.4 mg/kg; these samples were sent for definitive analysis and confirmation. Of these 109 samples, 37 had results below 1.0 mg/kg, and the 72 remaining samples are flagged for removal.

Therefore, field screening and definitive analysis results from Sections 26 through 42 of the Middle Zone indicate that 350 sample grids out of the 469 sampled (75 percent) will need excavation during the 2012 field season. Table 4-6 below shows field screening and definitive results broken down by PCB concentration. Figures 4-26 and 4-27 show results for Sections 26 through 42 of the Middle Zone.

**Table 4-6
Middle Zone (Sections 26 though 42) Tundra Grid Breakdown**

PCB Concentration (mg/kg)	Total Field Samples	Total Definitive Samples	Definitive Results above 1.0 mg/kg	Definitive results below 1.0 mg/kg
0 to 0.1	37	0	0	0
>0.1 to 0.2	38	2	0	2
> 0.2 to 0.4	109	109	72	37
>0.4 to 0.6	85	84	77	7
> 0.6	200	2	2	0

Samples from the Middle Zone with field screening results between 0.2 and 0.4 mg/kg reported definitive lab results over 1.0 mg/kg as follows:

- 58 percent from Sections 10 through 25
- 66 percent from Sections 26 through 42

This number was higher than what was expected; with a correlation factor of 2, these numbers were estimated to be below 50 percent. The correlation factor between field screening and definitive results became higher the farther out into the tundra samples were taken. Sections 43 through 85 were not sampled using the tundra grid sampling method.

From Sections 80 through 90 of the Upper Zone, 96 grid samples were collected: 46 from the left side and 50 from the right side. Of those samples, 38 grid samples had field screening results below the field action level (0.2 mg/kg), resulting in no further action, and 42 samples reported field screening results greater than 0.4 mg/kg. Out of the 42 samples with field screening results above 0.4 mg/kg, 10 samples had field screening results between 0.4 and 0.6 mg/kg and were sent for definitive analysis. Three of samples reported results below 1.0 mg/kg, and the remaining 39 samples were flagged for removal. With field screening results between 0.2 and 0.4 mg/kg, 16 grid samples were sent for definitive analysis and confirmation. One of the 16 samples sent for definitive analysis reported PCB concentrations greater than 1.0 mg/kg; the other 15 samples were flagged for removal.

Therefore, the field screening and definitive analysis results from Sections 80 through 90 of the Upper Zone indicate that 40 sample grids out of 96 sampled (42 percent) will need excavation during the 2012 field season. Table 4-7 below shows field screening and definitive results broken down by PCB concentration. Figure 4-28 shows results for Sections 80 through 90 in the Upper Zone.

Table 4-7
Upper Zone (Sections 80 through 90) Tundra Grid Breakdown

PCB Concentration (mg/kg)	Total Field Samples	Total Definitive Samples	Definitive Results above 1.0 mg/kg	Definitive results below 1.0 mg/kg
0 to 0.1	13	0	0	0
>0.1 to 0.2	25	2	0	2
> 0.2 to 0.4	16	16	1	15
>0.4 to 0.6	11	10	7	3
> 0.6	31	0	0	0

Figure 4-26 Tundra Grid Results, Sections 26 through 33 (Middle Zone)

(intentionally blank)

Figure 4-27 Tundra Grid Results, Sections 34 through 42 (Middle Zone)

(intentionally blank)

Figure 4-28 Tundra Grid Results, Section 82 through 90 (Upper Zone)

(intentionally blank)

4.6 SUBSURFACE SAMPLING

Subsurface sampling was used to assess the presence of subsurface PCB contamination at Site Road. Soil borings were advanced using a Geoprobe[®] 540MT direct push drill rig at approximately 500-linear-foot intervals along the centerline of Site Road between 13 September 2011 and 15 September 2011. Commencing on the Upper Zone at the former RRS, core samples were taken in 2-foot vertical intervals (0 to 2 feet, 2 to 4 feet, 4 to 6 feet, etc.) and collected in acetate sleeves. The depth of each boring was extended approximately 24 inches below the interface between the road bed material and the native soil. Each piece of equipment and tooling was decontaminated using a 3-part wash and rinse system with Alconox[®] and clean water to aid in preventing cross-contamination.

All Geoprobe[®] samples extracted from Site Road (Figure 3-4) were submitted to an accredited laboratory for definitive analysis. In general, the subsurface samples collected with the Geoprobe[®] indicate that PCB contamination of Site Road exists in the top layers of the soil strata and decreases with depth. The subsurface samples collected with the Geoprobe[®] did not detect concentrations of PCBs at depths below 12 feet. Results and conclusions by zone are as follows:

- The Lower Zone of Site Road (Sections 1 through 9) had no subsurface PCB detections (0 to 8 feet), indicating that no further action is needed there. Figure 4-29 shows the Geoprobe[®] results for Sections 1 through 9.
- The Middle Zone of Site Road (Sections 10 through 77), had minimal PCB detections ranging from 0.023 mg/kg to 0.25 mg/kg at the 0- to 2-foot bgs interval. From 2 to 6 feet bgs, a few low readings were detected that ranged between 0.021 mg/kg and 0.169 mg/kg. No PCB contamination was detected below 6 feet bgs in the Middle Zone. Figures 4-30 and 4-31 show Geoprobe[®] results for the Middle Zone.
- The Upper Zone (Sections 78 through 92), had no PCB detections over the action level of 1.0 mg/kg. The zone had minimal PCB detections ranging from 0.03 mg/kg to 0.47mg/kg at the 0- to 2-foot interval. In Section 79, PCBs were detected at the 2- to 4-foot interval (0.04 mg/kg) and at the 4- to 6-foot interval (0.03 mg/kg). Section 88 had the only detection at depth (10 to 12 feet), with a result of 0.68 mg/kg, but PCBs were not detected between 2 feet and 10 feet in this boring. Because there was a slight PCB detection at depth (10 to 12 feet), and nothing between 2 feet and 10 feet, this could be a result of sloughing of ground materials into the borehole, or a cross-contamination with one of the upper strata that showed PCB contamination. Figure 4-32 shows Geoprobe[®] results for Sections 78 through 92.

4.7 CHARACTERIZATION SAMPLING RESULT SUMMARY

In general, analytical results for characterization samples (Sections 4.1 to 4.6 of this report) indicate that PCB concentrations above cleanup criteria range from Sections 0 through 43, and Sections 78 through 90 from 0 to 2 feet bgs, and primarily range from approximately 100 feet away from the centerline of Site Road, however, PCB concentrations above cleanup criteria were found up to 200 feet from Site Road centerline in a few sample locations. PCB contamination appears to decrease rapidly with depth, and gradually as distance from Site Road centerline is increased. A larger quantity of samples reported PCB concentrations exceeding cleanup criteria on the left side of site road. It is estimated between 19,867 to 23,391 cubic yards of PCB contaminated soil remain along Site Road and the adjacent areas in a contamination plume that encompasses approximately 894,025 to 1,052,581 square feet.

4.8 BACKGROUND SAMPLING

Pre-construction samples were collected prior to the construction of any project-related feature (Storage Area) per the *PCB Soil Removal Action for Site Road Work Plan* (USAF 2011c) as discussed in the TCRA Report (USAF 2011a). During the pre-construction phase of Storage Area 1, a field screening background sample had a result above 1.0 mg/kg. This raised the question of potential PCB contamination in the area. Further investigation is discussed below.

Figure 4-29 Geoprobe[®] Results, Sections 1 through 9 (Lower Zone)

(intentionally blank)

Figure 4-30 Geoprobe® Results, Sections 10 through 44 (Middle Zone)

(intentionally blank)

Figure 4-31 Geoprobe® Results, Sections 45 through 77 (Middle Zone)

(intentionally blank)

Figure 4-32 Geoprobe® Results, Sections 78 through 92 (Upper Zone)

(intentionally blank)

4.8.1 Storage Area Samples

Characterization samples were collected from the surface layer that was pushed into piles surrounding each stockpile area to assess potential PCB contamination above the regulatory action level of 1.0 mg/kg. This sampling technique was adopted from the stockpile sampling technique. Samples were taken at the frequency of three for the first 100 cy and one for every 200 cy thereafter, as specified in the *Draft Field Sampling Guidance* (ADEC 2010). All characterization samples were submitted to an accredited laboratory for definitive analysis. Results are presented in Table 4-8.

**Table 4-8
Storage Area Pile Background Samples**

Storage Area 1 Pile Samples	Fixed Lab Result (mg/kg)	Storage Area 2 Pile Samples	Fixed Lab Result (mg/kg)
A1	0.31	A1	ND
A2	0.32	A2	ND
A3	0.45	A3	ND
A4	0.35	A4	ND
B1	0.14	A5	ND
B2	0.19	A6	ND
B3	0.00	A7	ND
B4	0.16	A8	ND
B5	0.03	B1	ND
B6	0.17	B2	ND
B7	0.22	B3	ND
C1	0.04	B4	ND
C2	0.15	B5	ND
C3	0.18	B6	ND
D1	2.13	-	-
D2	0.48	-	-
D3	0.84	-	-
D4	0.59	-	-
E1	0.03	-	-
E2	0.11	-	-
E3	0.00	-	-
E4	0.11	-	-
F1	0.08	-	-
F2	0.58	-	-
F3	0.19	-	-
F4	0.26	-	-

Table 4-8
Storage Area Pile Background Samples (Continued)

Storage Area 1 Pile Samples	Fixed Lab Result (mg/kg)	Storage Area 2 Pile Samples	Fixed Lab Result (mg/kg)
F5	0.20	-	-
F6	0.66	-	-

Notes:

- not sampled

Taken from SGS-Alaska analytical data

Bold text indicates a result that exceeds the ADEC cleanup level.

All characterization sample results were less than the action level except for sample D1 for Storage Area 1, which had a result of 2.18 mg/kg. Sample D1 was collected from the east side of Storage Area 1. This pile is composed of less than 300 cy of soil. Because sample D1 was taken from the east side of the southernmost end of the pile, sample D1 will be located and the surrounding soil in a 15-foot radius will be excavated down to native tundra and placed into PCB soil stockpiles. The native tundra will then be cleared in the approved 15- by 15-foot grid closure method. All soil containing more than 1 mg/kg PCB contamination will be excavated and placed into stockpiles to await disposal.

Storage Areas 1 and 2 are shown in Figures 4-33 and 4-34, respectively, along with the results from pre-construction samples, pre-stockpile samples, pile characterization samples, and waste characterization samples.

Figure 4-33 Storage Area 1 Sample Locations and Results

(intentionally blank)

Figure 4-34 Storage Area 2 Sample Locations and Results

(intentionally blank)

5.0 CONCEPTUAL SITE MODEL

The nature and extent of contamination is an important consideration in the development of removal alternatives. Based on site information collected during the 2011 TCRA and site characterization, a human health Conceptual Site Model (CSM) was developed to illustrate sources and types of contaminants, exposure pathways, contact and exposure routes, current receptors, and land use protectiveness (Figure 5-1).

The potential contaminant sources at Site Road were transformers, drum storage, communications systems, and road oil. Release mechanisms such as leaks, spills, or spraying for dust control may have caused surface and subsurface soil to become secondary contaminant sources. PCBs are the only types of contaminants addressed by this EE/CA for Site Road.

Potential exposure pathways include the direct release of PCBs into the soil and the plant uptake of the PCBs. Surface water and sediment are not in contact with contamination because it has not been observed at Site Road, and therefore the CSM has been updated to indicate that groundwater is not a complete exposure pathway. PCBs are effectively insoluble and therefore are expected to remain in the soil column rather than migrate to the water table.

Direct PCB contact includes ingestion or dermal absorption of the contaminants from the soil and inhalation of the fugitive dust along Site Road. Plant uptake and ingestion of wild foods is also being considered as an exposure pathway. Current and future receptors include site visitors, subsistence harvesters, and consumers. Land use around Site Road is mainly recreational with some subsistence activities. Site Road is not close to any residential areas, but does travel through an area of known subsistence gathering where local residents gather berries for consumption. Appendix G contains the CSM scoping forms.

(intentionally blank)

Figure 5-1 Conceptual Site Model

(intentionally blank)

6.0 RISK EVALUATION

The soil contamination concentrations at Site Road exceed the ADEC cleanup level and therefore pose a potential risk to human health and the environment along Site Road in Port Heiden. Specifically, inhalation of PCBs through dust, direct contact through incidental ingestion or dermal absorption, and ingestion through subsistence hunting and gathering of wild foods could pose unacceptable risks to human health. The sample results used for risk evaluation can be found in the analytical data tables (Appendix E).

6.1 USES, SOURCE INFORMATION, AND CONTAMINANT FATE AND TRANSPORT

Past operations at the former Port Heiden RRS have included the use of transformers, drum storage, and communications systems that resulted in the release of hazardous substances into the environment. The source of PCB-contaminated soil likely originated from a combination of the above operations and the use of PCB-containing oil for dust control along Site Road. Several previous site investigations and removal activities have occurred at the RRS site dating back to 1981. PCB-contaminated soil at Site Road appears to be concentrated on the road shoulders and areas immediately adjacent to the shoulders. This is likely due to the road maintenance process of scraping the road with a grader and the loose material moving from the center of the road to the shoulders and concentrating there.

The site characterization results show that PCB contamination decreases with distance from Site Road and with depth from the surface. Windblown dust from the surface of Site Road is the likely cause of PCB contamination out in the tundra. Unlike a single point source discharge, where contamination is localized in a single area, road oiling effectively made Site Road one large source of contamination. In areas where Site Road was oiled, PCBs have concentrated in the shoulders of the road and the PCB plume has spread out into the tundra as the dust has blown off the road.

6.2 TOXICITY

PCBs are readily absorbed into the body by direct contact, which results in a wide assortment of toxic health effects. Contact exposure to PCBs can cause skin conditions such as acne and rashes. At high concentrations, PCB exposure can cause damage to the liver, stomach, and thyroid gland. Recent evidence suggests that PCB exposure may have adverse behavioral, reproductive, developmental, and endocrine effects. The International Agency for Research on Cancer (IARC) has determined that PCBs are reasonably anticipated to be carcinogenic to humans, particularly to the liver and binary tract (Agency for Toxic Substances and Disease Registry [ATSDR] 2001). Bioaccumulation is also a threat with PCBs, where the amount of PCBs exponentially increases as they move up the food chain. This process causes species at the top of the food chain to be exposed to higher PCB concentrations as they ingest many smaller species over time.

6.3 RISK

Potential risks associated with the direct contact, fugitive dust inhalation, and ingestion of wild foods have been considered based on a comparison between contaminant concentrations detected in site soils and ADEC risk-based cleanup levels. ADEC Method Two cleanup criteria (18 Alaska Administrative Code [AAC] 75.341) are used for data evaluation with regard to the following exposure pathways:

- Direct contact is defined by ADEC as a potential exposure pathway that can occur through both incidental ingestion and dermal absorption of the contaminant. Direct contact cleanup criteria were used for comparison with all analytes other than petroleum hydrocarbons.
- Outdoor inhalation is defined as a potential exposure pathway from fugitive dust because of the nature and contamination of Site Road.
- Ingestion of wild foods is being considered as a potential exposure pathway because Site Road travels through an area of known subsistence gathering.

Table 6-1 provides a summary of ADEC Method Two cleanup levels for soil and the maximum concentrations detected in soil at Site Road. Complete sample results are included as an attachment to the Data Quality Assessment (DQA) found in Appendix C.

Table 6-1
Contaminant Concentrations in Soil and Cleanup Criteria

CAS Number	Hazardous Substance	ADEC Cleanup Levels ¹			Maximum Detected Concentration
		Direct Contact ²	Outdoor Inhalation ³	Groundwater (mg/L)	
133-63-63	PCBs	1.0 mg/kg	--	0.0005	69.5 mg/kg

Notes:

¹ 18 AAC 75.340, Method Two cleanup criteria.

² Direct contact is defined by ADEC as exposure through both incidental ingestion and dermal absorption of the contaminant.

³ Outdoor inhalation, as defined by ADEC, refers to a potential pathway of exposure as volatile organic substances present in the soil are released through volatilization into the air.

-- = ADEC does not have a cleanup level for PCBs under the outdoor inhalation exposure route.

6.3.1 Direct Contact

The maximum detected concentration of PCBs in soil found on Site Road is above the ADEC Direct Contact standard of 1.0 mg/kg, indicating that PCBs pose a potentially unacceptable risk via the Direct Contact exposure pathway.

6.3.2 Outdoor Air Inhalation

PCBs are not considered sufficiently volatile to pose an air inhalation risk. Fugitive dust originating from Site Road poses an unacceptable risk via the inhalation pathway if particulate matter suspended in the air from road use is smaller than 10 micrometers (µm).

6.3.3 Migration to Groundwater

Due their lipophilic nature, PCBs will preferentially partition out of water and adsorb to organic particles and sediments (ATSDR 2001). The propensity for PCBs to bind to sediment over water suggests that the migration of PCBs from contaminated soil to groundwater as a risk exposure pathway is unlikely, as groundwater was not found onsite.

(intentionally blank)

7.0 REMOVAL ACTION SCOPE, GOALS, AND OBJECTIVES

PCB-contaminated soil was identified during the 2011 TCRA and site characterization along the shoulders of Site Road and into the adjacent tundra. PCBs were found to exceed the ADEC cleanup criterion and therefore pose a potential risk to human health and the environment.

The site lead agency determines the horizontal and vertical extent of contamination and the associated potential risk to human health and the environment as part of the NTCRA process. As the lead agency, USAF has determined that a remedial action is necessary at Site Road to reduce potential risk to human health and the environment. Site investigations indicate that approximately 1,100,418 square feet within the Site Road project area potentially contain PCB concentrations above ADEC Method Two cleanup levels. This estimate was calculated from definitive lab and field screening results for PCB contamination and geographic data for the sampling areas. Extrapolation of PCB contamination with depth calculates a volume estimate of 19,867 to 23,391 cubic yards of PCB-contaminated material above ADEC Method Two cleanup levels remaining within the Site Road project area. Area and volume calculations are included in Appendix B. This section defines the scope of the removal action and the subsequent project goals for Site Road.

7.1 SCOPE OF THE REMOVAL ACTION

The scope of this removal action includes actions to mitigate the risk associated with PCB contamination along Site Road that poses a threat to human health and the environment. Contamination is consistent along two stretches of Site Road, between Sections 1 and 43 and the Upper Zone. In these two areas, contamination appears to be limited to the top two feet. A variety of alternatives were considered including the following:

Alternative 1: No Action

Alternative 2: Removal and Offsite Disposal

Alternative 3: Removal with Partial Local Disposal and Partial Offsite Disposal

Proposed Alternatives 2 and 3 would sufficiently alleviate the health and environmental risks associated with Site Road by excavating and removing the PCB-contaminated soil. Additionally, Alternatives 2 and 3 would satisfy the RAOs, as well as comply with Applicable or Relevant and Appropriate Requirements (ARARs) to the extent practical.

7.2 REMOVAL ACTION OBJECTIVE

The Site Road RAOs were developed to address PCB contamination identified in the TCRA and during site characterization. They were created to eliminate the imminent and potential threat to human health and the environment. The RAOs for this EE/CA were developed in order to eliminate the immediate threat to human health and the environment that is posed by PCB-contaminated soil on and associated with Site Road. The RAOs for this project are to:

- Mitigate imminent and substantial endangerment to human health and environment by preventing exposure to PCB-contaminated surface and subsurface soil; and
- Prevent direct contact of fugitive dust inhalation and consumption of wild food containing contamination above ADEC level two cleanup criterion of 1.0 mg/kg.

The RAOs will be obtained by excavating and disposing of all PCB-contaminated soil with concentrations greater than or equal to the ADEC Method Two cleanup level of 1.0 mg/kg.

7.3 APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS

CERCLA requires that on site removal actions must attain or waive ARARs. For a removal action, three types of ARARs are considered: chemical-specific, location-specific, and action-specific. ARARs were assessed for their applicability to PCB contamination, Site Road, and the removal action. The most pertinent requirements are described briefly below. Detailed reviews of all potential ARARs are listed in Appendix A.

The primary chemical-specific ARARs for Site Road define requirements specific to public water quality; air quality; and hazardous waste inspection, storage, and disposal. Proposed cleanup levels are based on the PCB contaminant-specific ARARs. Chemical-specific ARARs are described in detail in Appendix A.

The primary location-specific ARARs for Site Road define requirements specific to the protection of wildlife, habitat, and cultural/historic sites in the area. Location-specific ARARs are described in detail in Appendix A.

The primary action-specific ARARs for Site Road define requirements specific to the protection of onsite workers, residents, and the general public during a removal action. These ARARs include air quality standards, hazardous waste transportation and disposal, land disposal restrictions, and soil and water resource conservation. Action-specific ARARs are described in detail in Appendix A.

(intentionally blank)

8.0 DETAILED ANALYSIS OF REMOVAL ALTERNATIVES

A broad range of alternatives were initially considered involving both physical and chemical removal methods. Table 8-1 includes a selection of technologies initially considered. Assessment of contaminant sources, analysis of the nature and extent of contamination, and review of available treatment technologies and disposal options were conducted.

Table 8-1
PCB Remedial Alternatives

PCB Treatment Method	Considerations/Consequences	Effectiveness	Implementability	Cost
Incineration	- Cost - Residual disposal (ash, scrubber water) - Public resistance	●	◐	○
Biological Treatment	- Efficiency - By-products - Treatment time - Not proven effective for all PCB congener	○	○	◐
Solidification	- Volatilization - Leachability - Physical strength - Life of composite's integrity	○	◐	◐
Vitrification	- Cost - Volatilization - Leachability	○	○	○
KPEG (Potassium Polyethylene Glycolate)	- Cost (varies with reagent recyclability)* - Efficiency (varies with Aroclor type) - Aqueous wastes must be dewatered either as a pre-step or in a reactor	○	○	○
Solvent Washing/Extraction	- Volatilization of solvent - Solvent recovery - Inability of solvent to extract all PCBs - Several extraction steps - Solvent residual remains in extracted soil - Extracts require destruction via other method	○	○	○
Granular Activated Carbon	- Removal efficiency in soil has not been established - Spent carbon requires treatment/disposal	○	◐	○
No Action	Will not remove PCB contamination	○	●	●

**Table 8-1
PCB Remedial Alternatives (Continued)**

PCB Treatment Method	Considerations/Consequences	Effectiveness	Implementability	Cost
Excavation with removal to offsite TSDF	- Fully removes all PCBs from site above action level - Protects human health and the environment - High cost to ship PCBs to lower 48	●	●	●
Full excavation with partial removal to local landfill and partial removal to offsite TSDF	- Fully removes all PCBs from site above action level - Protects human health and the environment - Lower cost of transporting - Local perception of PCBs in area	●	●	●

Source: EPA, 1990

Scoring:

● **meets or exceeds criteria** ● **partially meets criteria** ○ **does not meet criteria**

After conducting a detailed analysis of the removal alternatives based on their effectiveness, implementability, and cost, the following additional considerations were taken into account to determine the most effective alternative:

- USAF's goal to remove all waste from the site and to prevent the creation of Land Use Controls (LUC)
- Public perception of PCB remediation and onsite storage
- Available technologies and limiting factors associated with PCB remediation

It was determined that a removal technology was optimal to meet the RAOs for Site Road in Port Heiden, Alaska. Therefore, three potential removal actions were retained for consideration. The alternatives considered for Site Road provide potential removal actions ranging from no action to an aggressive and comprehensive cleanup. The removal action alternatives detailed in this section follow EPA *Guidance for Conducting Non-Time-Critical Removal Actions under CERCLA* (EPA 1993). The three alternatives for which detailed analysis were conducted are as follows:

- Alternative 1: No Action
- Alternative 2: Removal and Offsite Disposal
- Alternative 3: Removal with Partial Local Disposal and Partial Offsite Disposal

8.1 EVALUATION CRITERIA

In the selection of a preferred alternative, the removal action alternatives have been evaluated based on the following three criteria:

- Effectiveness
- Implementability
- Cost

The effectiveness criterion is used to evaluate the ability of the proposed alternative to comply with ARARs and achieve the RAO. Additionally, the effectiveness of a proposed alternative must examine the ability of the alternative to protect human health and the environment. This evaluation considers the magnitude of residual risks present at the site and the adequacy of controls available for long-term management of that risk. The effectiveness criterion also addresses the expected reduction in toxicity, mobility, or volume of contaminated material under the proposed alternative.

The implementability criterion is used to evaluate the ability of Jacobs' personnel to implement the proposed alternative based on the site-specific conditions of Port Heiden, Alaska. The primary implementability concern for each alternative to achieve this RAO is the lack of infrastructure and relating geographical location of Port Heiden and the distance required to travel to larger cities with facilities capable of disposing and/or treating contaminated material. The presence of pre-existing nearby structures is also considered under the implementability criterion. Port Heiden has a short work season do to the local weather conditions that limits production to those months with favorable conditions.

The cost criterion evaluates each proposed alternative based on capital costs. Cost estimates are generated for each proposed alternative from the description of work required to implement each alternative. Costs include material volume, contaminant concentration, and the type of waste. In this preliminary evaluation, all costs are listed as an approximation. Unit cost estimates for each proposed alternative were developed from internal estimates and vendor estimates in 2011. The total project cost for each alternative was calculated as the sum of the costs of planning, mobilization/demobilization, excavation, waste disposal, operations

and maintenance, project management, and contractor fees. The discussion of each proposed alternative addresses key assumptions used to estimate costs. A key assumption is that the base excavation cost between Alternatives 2 and 3 would remain the same. Unit cost spreadsheets are detailed in Appendix B.

8.2 ALTERNATIVE 1: NO ACTION

Alternative 1 proposes No Action at the Port Heiden Site Road. Conditions at the site would remain unaltered, direct contact and inhalation of fugitive dust and ingestion of wild foods risks to human health and the environment would persist. This alternative provides a baseline against which all other alternatives are compared.

8.2.1 Effectiveness

Alternative 1 would not successfully attain the RAOs for Site Road. Under this proposed alternative, residents of Port Heiden could still be exposed to significant health risks from PCB contamination through direct contact, inhalation of fugitive dust, and ingestion of wild foods. Additionally, this proposed alternative may result in an increase in the area exposed to PCB contamination through the dispersion of PCB-contaminated soil by the high winds typically experienced in Port Heiden.

8.2.2 Implementability

The No Action alternative is technically feasible, as no work is required to complete the objective. However, the PCB exposure risks remaining for the general public and the environment at Site Road would not be addressed by this proposed alternative making administrative approval unlikely.

8.2.3 Cost

No capital or operation and maintenance costs are associated with this proposed alternative.

8.3 ALTERNATIVE 2: REMOVAL AND OFFSITE DISPOSAL

Excavation activities under proposed Alternative 2: Removal and Offsite Disposal would focus on the complete removal of PCB-contaminated soil above the ADEC cleanup level of 1.0 mg/kg. Excavation would be guided by previous soil sampling results, additional field screening, and sample collection as the excavation progressed. It is estimated that approximately 19,867 to 23,391 cy of PCB-contaminated soil would be excavated under this alternative. Soils exceeding the PCB cleanup level of 1.0 mg/kg would be segregated, excavated, and then staged and separated into TSCA (≥ 50 mg/kg) and non-TSCA (< 50 mg/kg) waste streams prior to transport. PCB-contaminated soil above the RAO (1.0 mg/kg), including TSCA-regulated soil, would be transported offsite to a TSDF for disposal.

The following logistical coordination and manifesting activities would be required for excavation, staging, transport, and disposal of PCB-contaminated soil at a licensed TSDF:

- Staging and segregating contaminated soil into TSCA-regulated and non-TSCA-regulated waste streams
- Loading contaminated soil into intermodal bins or Super Sacks[®] for transport by truck from the stockpile areas to the barge landing in Port Heiden
- Transporting contaminated soil from Port Heiden to the TSDF by barge
- Collecting, shipping, and analyzing confirmation soil samples on Site Road to verify that ADEC cleanup levels have been met
- Obtaining local soil to backfill excavation areas following the complete removal of PCB-contaminated soil exceeding RAO of 1.0 mg/kg.

8.3.1 Effectiveness

Alternative 2: Removal and Offsite Disposal would effectively remove all PCB-contaminated soil exceeding the RAO of 1.0 mg/kg. Completion of Alternative 2 would rapidly and effectively minimize direct contact with soil, inhalation of fugitive dust, and the ingestion of wild foods and thus mitigate human exposure risk to PCBs along Site Road. Contaminated soil would be disposed of at an approved TSDF, therefore eliminating future contamination exposure risks at the site. Once soil is transferred to an approved TSDF, USAF would no longer be liable for the administration or monitoring of the contaminated soil.

The excavation and offsite disposal of approximately 19,867 to 23,391 cy of contaminated soil from Site Road under Alternative 2 will reduce the risks associated with direct contact, inhalation of fugitive dust, and the ingestion of wild food exposure to the public and environment.

8.3.2 Implementability

Alternative 2 is technically and administratively feasible. Contaminated soil excavation is a proven and prevalent technology. Alternative 2 would require the excavation and disposal of all soil collected from Site Road exceeding the RAO. Additionally, Alternative 2 would require backfilling of the excavations area with soil obtained onsite. Excavation and shipment of soil containing PCB concentrations greater than 1.0 mg/kg to an offsite TSDF would not require continued maintenance or implementation of institutional controls (IC) for the site.

The primary implementability challenge for Alternative 2 is the transportation of PCB-contaminated soil for offsite disposal. All excavated soil will be staged in stockpiles prior to the containerization and shipment to the TSDF. Offsite disposal from Port Heiden would require two steps. First, soil would be containerized and trucked from staged stockpiles to the NVPH Barge Landing. Once at the Barge Landing, the contaminated soil would be staged and then barged to an approved TSDF. Round-trip trucking time from the stockpile area to the Barge Landing would require approximately 60 minutes. Numerous trips would be required to transport all of the contaminated soil. The barge service in Port Heiden is subject to seasonal availability based on the weather and development of sea ice. The NVPH Barge Landing is currently staging approximately 7000 cy of material collected from the 2011 TCRA awaiting transport. The proposed Alternative 2 would add 19,867 to 23,391 cy of PCB-contaminated soil to be transported out of Port Heiden.

8.3.3 Cost

Table 8-2 shows the estimated costs for implementing Alternative 2 at Site Road; Appendix B contains a detailed cost analysis. The cost estimated for Alternative 2 is primarily influenced by the cost required for offsite disposal including truck transportation from the stockpiles to

the Barge Landing and barging to an approved TSDF in the continental United States. Offsite disposal costs have been estimated at \$650 per ton for non-TSCA-regulated soil and \$800 per ton for TSCA-regulated soil. The differences in disposal costs require careful segregation of the contaminated soil into non-TSCA-regulated and TSCA-regulated soil.

**Table 8-2
Alternative 2 Estimated Cost**

Description	Total Estimated Cost (\$)
Common Base Excavation	6,841,462
Labor	1,541,736
Materials	75,000
Subcontractor	12,545,225
Equipment	706,796
Miscellaneous	1,018,000
Logistics	60,500
Fuel	275,000
Freight	100,000
TOTAL + 9%	24,633,806

8.4 ALTERNATIVE 3: REMOVAL WITH PARTIAL LOCAL DISPOSAL AND PARTIAL OFFSITE DISPOSAL

Alternative 3: Removal with Partial Local Disposal and Partial Offsite Disposal would be similar to Alternative 2; however, soil with a PCB concentration below 10 mg/kg would be placed in a new local landfill. The new local landfill would be owned and operated by NVPH, which would charge a disposal fee and accept responsibility for all PCB material. All PCB-contaminated soil above the ADEC cleanup level of 1.0 mg/kg would be excavated, segregated into three waste streams, and staged for disposal. The three different waste streams would include TSCA-regulated soil (greater 50 mg/kg), non-TSCA-regulated soil (greater than 1.0 mg/kg but less than 10 mg/kg), and non-TSCA-regulated soil (greater than 10 mg/kg but less than 50 mg/kg). Disposal would proceed according to the following guidelines:

- **PCB between 1.0 to 10.0 mg/kg** - Disposed of in new local landfill. The new Port Heiden Landfill would only be permitted to contain soil with PCB concentrations less than or equal to 10 mg/kg.

- **PCBs between 10 to 50 mg/kg** - Disposed of at TSDF as non-TSCA-regulated waste.
- **PCBs > 50.0 mg/kg** – Disposed of at TSDF as TSCA-regulated waste.

The following logistical coordination and manifesting activities would be required for excavation, staging, transport, and disposal of PCB-contaminated soil at a local landfill:

- Segregating and excavating PCB-contaminated soil into appropriate disposal streams, and staging excavated PCB-contaminated soil in stockpiles
- Containerizing and loading and trucking non-TSCA-regulated soil containing PCB concentrations between ≥ 1.0 mg/kg and ≤ 10 mg/kg into a truck for transport to the landfill in Port Heiden
- Containerizing and loading soil with PCB concentrations > 10 mg/kg but < 50.0 mg/kg for truck transport from stockpiles to the Barge Landing
- Containerizing and loading soil with PCB concentrations > 50.0 mg/kg for truck transport from stockpiles to the Barge Landing
- Barging containers with TSCA-regulated and non-TSCA-regulated soil from Port Heiden to the TSDF
- Collecting, shipping, and analyzing confirmation soil samples on Site Road to verify ADEC cleanup levels have been met
- Obtaining local soil to backfill excavation areas following the complete removal of PCB-contaminated soil exceeding the RAO of 1.0 mg/kg

8.4.1 Effectiveness

Alternative 3: Removal with Partial Local Disposal and Partial Offsite Disposal would effectively remove all PCB-contaminated soil from Site Road exceeding the RAO of 1.0 mg/kg. Completion of Alternative 3 would rapidly and effectively minimize direct contact with soil, inhalation of fugitive dust, and ingestion of wild foods and thus mitigate human exposure risk to PCBs at Site Road. Excavated contaminated soil would be disposed at either the Port Heiden Landfill or an approved TSDF, thus eliminating future contamination exposure risks at Site Road.

The excavation and disposal of approximately 19,867 to 23,391 cy of contaminated soil from Site Road under Alternative 3 will reduce the risk of direct contact, inhalation of fugitive dust, and the ingestion of wild food exposure to the public and environment.

8.4.2 Implementability

Alternative 3 is both technically and administratively feasible. Contaminated soil excavation and disposal is a proven and prevalent technology. Implementation of Alternative 3 would require the excavation and shipment of soil containing PCB concentrations greater than 10 mg/kg to an offsite TSDF. Soil containing PCB concentrations greater than or equal to 1.0 mg/kg and less than or equal to 10 mg/kg would be transported from Site Road to a new Port Heiden Landfill. Soil will be obtained locally to backfill excavation areas following the complete removal of PCB-contaminated soil. The soil with PCB concentrations greater than 10 mg/kg would not require future maintenance or implementation of ICs.

The primary challenge for implementing Alternative 3 would be the segregation of contaminated soil into three distinct waste streams for proper disposal. The first waste stream would contain non-TSCA-regulated soil at concentrations above the ADEC cleanup level of 1.0 mg/kg and below 10 mg/kg that could be disposed in the Port Heiden Landfill. The second waste stream would also contain non-TSCA-regulated soil containing PCB concentrations greater than 10 mg/kg and less than 50 mg/kg that would require disposal at an approved TSDF. The third waste stream would contain TSCA-regulated soil containing PCB concentrations greater than 50 mg/kg.

A second challenge for implementing Alternative 3 is the transportation of PCB-contaminated soil for disposal. Soil would first be containerized and trucked from staged stockpiles to either the Port Heiden Landfill or the Port Heiden Barge Landing depending on ultimate disposition. Soil transported to the barge landing would be staged and barged to an approved TSDF. Round-trip trucking time from the stockpile area to the Port Heiden Barge Landing is approximately 60 minutes. Numerous trips would be required to transport all of the contaminated soil from the stockpile area. Additionally, the barge service is subject to seasonal availability based on weather and ice conditions. The Port Heiden Barge Landing is currently staging approximately 7,000 cy of material collected from the 2011 TCRA that is awaiting transport. The proposed Alternative 3 could add 7,500 cy of contaminated soil to be transported by barge to an approved TSDF.

A third challenge would be the community and administrative acceptance of this proposed alternative. Local disposal in Port Heiden of PCB-contaminated soil has been tried in the past with varying degrees of success. Public acceptance and opinion should be highly considered when choosing an alternative to eliminate the PCB threat.

8.4.3 Cost

Table 8-3 shows the estimated costs for implementing Alternative 3 at Site Road; Appendix B contains a detailed cost analysis. The cost estimated for Alternative 3 is primarily influenced by the cost associated with TSDF disposal and local disposal, including truck transportation from the stockpiles to the Port Heiden Landfill and the Port Heiden Barge Landing, and the costs associated with barging contaminated soil to an approved TSDF in the continental United States. Offsite disposal costs have been estimated at \$650 for non-TSCA-regulated soil and \$800 per ton for TSCA-regulated soil, thus requiring careful segregation of the contaminated soil.

**Table 8-3
Alternative 3 Estimated Cost**

Description	Total Estimated Cost (\$)
Common Base Excavation	6,841,462
Labor	2,351,412
Materials	130,000
Subcontractor	7,425,000
Equipment	530,060
Miscellaneous	2,802,000
Logistics	150,840
Fuel	528,000
Freight	175,000
TOTAL + 9%	22,203,735

9.0 COMPARATIVE ANALYSIS OF ALTERNATIVES

This section compares the three proposed alternatives evaluated in Section 8.0. The preferred alternative is identified at the conclusion of this section.

9.1 EFFECTIVENESS

The effectiveness criterion evaluates the capacity of each alternative to protect human health and the environment, comply with ARARs, and achieve RAOs. Each alternative, with the exception of Alternative 1, effectively reduces the risk to human health and the environment posed by PCB-contaminated soil at Site Road. Alternatives 2 and 3 address PCB contamination through soil removal and disposal. These alternatives would protect residents and site workers by excavating all contaminated soil from Site Road and meet the project RAOs. Alternative 2 has an advantage because all PCB-contaminated soil above 1.0 mg/kg would be removed from site and Port Heiden and transported to a TSDF in the continental US. Alternative 3 would remove all PCB contamination from site, but some of it would remain in Port Heiden at a new landfill. Option 3 would require LUCs and monitoring commitments to the owner of the new landfill facility, which would violate USAF's goal to limit the need for LUCs when it is feasible to remove all wastes.

9.2 IMPLEMENTABILITY

Each of the three proposed alternatives is technically and administratively feasible. Between the two most effective alternatives, Alternative 2 has the fewest components and is the most easily implemented. Alternative 2 requires the separation of soil into only two waste streams: TSCA-regulated soil and non-TSCA-regulated soil. Non-TSCA-regulated soil is estimated to account for 99 percent of the total waste volume at Site Road. Also, Alternative 2 does not require long-term monitoring, nor does it potentially restrict future land use through the creation of a regulated landfill that could also restrict future land transfers.

9.3 COST

Tables 8-2 and 8-3 summarize the costs required to execute each of the proposed alternatives. Key assumptions for these alternatives are that 1 percent of excavated soil will be TSCA-regulated soil (greater than 50 mg/kg), and 69 percent of excavated soil will be non-TSCA-regulated soil at concentrations that can be disposed of in the Port Heiden Landfill (greater than or equal to 1.0 mg/kg and less than or equal to 10 mg/kg). The remaining 30 percent of excavated soil is assumed to be non-TSCA-regulated soil containing PCB concentrations between 10 mg/kg and 50 mg/kg. The percentages and PCB soil concentrations were estimated based on 64 stockpile waste characterization samples taken during the 2011 TCRA. A cost summary of removal alternatives is provided in Table 9-1. Alternative-specific cost assumptions can be found in Appendix B, and under the description of each alternative in Section 8.0.

Table 9-1
Port Heiden Site Road Removal Alternative Cost Summary

Alternative	Alternative Description	Cost (\$)
Alternative 1	No Action	0
Alternative 2	Removal and Offsite Disposal	24,633,806
Alternative 3	Removal with Partial Local Disposal and Partial Offsite Disposal	22,203,735

The primary influence on cost estimates for Alternatives 2 and 3 is the amount of soil that has to be shipped offsite, the costs associated with soil transportation, and the long-term management costs. All other costs required to complete Alternatives 2 and 3 are very similar.

9.4 PREFERRED ALTERNATIVE

Analysis of the information presented in this EE/CA support the selection of Alternative 2: Removal and Offsite Disposal. The selection of Alternative 2 as the preferred alternative addresses all contaminated soil exposure risks at the Port Heiden Site Road. Removal of PCB-contaminated soil will mitigate direct contact and inhalation exposure risks to residents. Proposed Alternative 2 achieves the RAOs of the project, is implementable, and is the most

socially acceptable alternative. The fieldwork duration required to perform Alternative 2 is estimated at 100 days.

Table 9-2
Alternative Evaluation Rubric

Project Criteria	Alternatives		
	Alternative 1: No Action	Alternative 2: Removal and Offsite Disposal	Alternative 3: Removal with Partial Local Disposal and Partial Offsite Disposal
Effectiveness	○	●	●
Implementability	○	●	●
Cost	\$0M	24.6 M	22.2 M

Scoring:

● meets or exceeds criteria ◐ partially meets criteria ○ does not meet criteria

(intentionally blank)

10.0 REFERENCES

- ADEC (Alaska Department of Environmental Conservation). 2011. (October) *Oil and Other Hazardous Substances Pollution Control*.
- ADEC. 2010. *Draft Field Sampling Guidance*. Division of Spill Response and Contaminated Sites.
- ADEC. 2003. *Port Heiden Sanitation Improvement Feasibility Study, 95 percent Draft*. Prepared under the Alaska Department of Environmental Conservation Village Safe Water Program.
- ATSDR (Agency for Toxic Substances and Disease Registry). 2001 (February). "Polychlorinated Biphenyls (PCBs)." CAS ID #: 1336-36-3, 11097-67-1. ATSDR ToxFAQs™ Sheet. <http://www.atsdr.cdc.gov/toxfaq/TF.asp?id=140&tid=26>. Accessed on 2 November 2011.
- EPA (U.S. Environmental Protection Agency). 1993 (December). *Guidance on Conducting Non-Time-Critical Removal Actions Under CERCLA*. EPA/540-R-93-057. Office of Emergency and Remedial Response. Washington, D.C.
- EPA. 1990 (August). *Guidance on Remedial Actions for Superfund Sites with PCB Contamination* EPA/540/G-90/007. Office of Emergency and Remedial Response. Washington, D.C.
- NVPH. 2011 (February). *Additional PCB Soil Sampling Work Plan Addendum*. Former Port Heiden RRS, Alaska. Prepared by Boretide Consulting.
- USAF (U.S. Air Force). 2012 (January). *Approval for an Engineering Evaluation/Cost Analysis for Site Road*. Port Heiden, Alaska.
- USAF. 2011a (December). *PCB-Contaminated Soil Removal from Site Road*. Draft Report. Port Heiden RRS, Alaska. Prepared by Jacobs Engineering Group Inc.
- USAF. 2011b (August). *PCB Soil Removal Action for Site Road*. Final Work Plan Addendum. Port Heiden RRS, Alaska. Prepared by Jacobs Engineering Group, Inc.
- USAF. 2011c (May). *PCB Soil Removal Action for Site Road*. Final Work Plan. Port Heiden RRS, Alaska. Prepared by Jacobs Engineering Group, Inc.
- USAF. 2011d (April). *Action Memorandum for a Time-Critical Removal Action of PCB-Contaminated Soil*. Port Heiden RRS, Alaska.
- USAF. 2006 (April). *Final Remedial Investigation/Feasibility Study*. Port Heiden RRS, Alaska.
- USAF. 2000 (July). *Final Site Investigation*. Port Heiden RRS, Alaska.
- USAF. 1996 (March). *Final Preliminary Assessment/Site Inspection*. Port Heiden RRS, Alaska. March 1996.
- USAF. 1994 (January). *Preliminary Assessment*. Port Heiden, Alaska.

(intentionally blank)

APPENDIX A

Applicable Relevant and Appropriate Requirements

Appendix A: ARARs

This appendix reviews Applicable or Relevant and Appropriate Requirements (ARARs) for the preferred alternative for Site Road in Port Heiden, Alaska. Under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), three types of ARARs are considered:

- Chemical-specific
- Location-specific
- Action-specific

Each ARAR has been assessed on its applicability to the site, and categorized as follows: applicable, not applicable, relevant and appropriate, or not relevant and appropriate. Not applicable or not relevant and appropriate ARARs are not listed. Table A-1 presents chemical-specific ARARs. These standards have been used to select cleanup levels appropriate to the site. Table A-2 presents the location-specific ARARs and Table A-3 presents action-specific ARARs.

Appendix A: ARARs

(intentionally blank)

Appendix A: ARARs

Table A-1
Chemical-Specific Applicable or Relevant and Appropriate Requirements

ARARs	Citation or Reference	Requirements	Applicability	Comments and Analysis / Rationale for Decision
Clean Air Act of 1963 (42 USC 7401)				
NAAQS	40 CFR Part 50	Establishes primary and secondary NAAQS for ambient air quality to protect public health and welfare.	Applicable	Applicable to removal action alternatives that would discharge dust containing contaminants into the atmosphere.
Clean Water Act (33 USC 1251 – 1376)				
Water Quality Criteria	40 CFR Part 131	Sets criteria for water quality based on toxicity to aquatic organisms and human health.	Applicable	Pertains to any discharge permits in effect for stockpiles or wet decontamination areas.
Resource Conservation and Recovery Act of 1976				
Identification and Listing of Hazardous Waste	40 CFR Part 261	Defines solid wastes that are subject to regulation as hazardous waste under 40 CFR Parts 262-265, 124, 270, and 271.	Applicable	If contaminated soils are excavated, it will be necessary to make a waste determination.
RCRA	40 CFR 268.35, 263	Standards for generators of hazardous waste and land disposal restrictions for wastes with specific prohibitions.	Applicable	If the waste determination shows that waste may be considered under the listing provisions of RCRA, generator standards would apply. RCRA regulated waste is not anticipated.

Appendix A: ARARs

Table A-1
Potential Chemical-Specific Applicable or Relevant and Appropriate Requirements (Continued)

ARARs	Citation or Reference	Requirements	Applicability	Comments and Analysis / Rationale for Decision
Alaska State Regulations				
Alaska Water Quality Standards (AWQS)	18 AAC 70	Specifies the degree of degradation that may not be exceeded in a water body as a result of human action. Provides water quality criteria and limits to protect fresh and marine water bodies for such uses as drinking, recreation, and growth and propagation of fish, other aquatic life, and wildlife.	Applicable	Proposed removal action alternatives are not expected to have an impact on surface water bodies. However, if such an impact were suspected, it would be assessed in light of the standards listed in 18 AAC 70.
Oil and Hazardous Substances Pollution Control Regulations	18 AAC 75.300 – 75.396	Regulations establishing discharge reporting, cleanup, and disposal requirements for oil and other hazardous substances. Provides cleanup standards for soil and groundwater.	Applicable	The cleanup standards listed in 18 AAC 75 have been used to assess potential risks posed by site contaminants. These standards have been incorporated into remedial action objectives (RAO).
	Specifically 75.341 Table B1	Provides cleanup levels for PCBs in soil		
Toxic Substances Control Act (15 USC §2601)				
Toxic Substances Control Act (TSCA)	15 USC §2601 et seq. (1976)	TSCA regulations consist of chemical control measures including information gathering, chemical testing, labeling, inspection, storage, and disposal requirements.	Applicable	Excavation may involve generation and disposal of wastes governed under TSCA.

Notes:

AAC Alaska Administrative Code
 AWQS Alaska Water Quality Standards
 CFR Code of Federal Regulations
 EPA U.S. Environmental Protection Agency
 NAAQS National Ambient Air Quality Standards

RAO remedial action objectives
 RCRA Resource Conservation and Recovery Act
 TBC to be considered
 TSCA Toxic Substances Control Act
 USC U.S. Code

Appendix A: ARARs

Table A-2
Location-Specific Applicable or Relevant and Appropriate Requirements

ARARs	Citation or Reference	Requirements	Applicability	Comments and Analysis / Rationale for Decision
Bald Eagle Protection Act	16 USC 668-668c	Protects bald eagles and habitat in the area and provides for permitted activities. Prohibits taking or possession of any migratory bird listed, including parts, nests, or products.	Applicable	Bald eagles have been identified in the area. Considered for possible impacts to birds at Port Heiden Site Road.
Migratory Bird Treaty Act	37 Stat. 878, Ch. 45 16 USC 703-712 50 CFR Parts 10, 20, 21			
Wetlands/Waters of the U.S. Protection Regulations				
Navigable Water Pollution, Prevention, and Control Act	40 CFR 10, 401, 402, 404	Regulates activities in waters of the United States	Applicable	Applicable only to the extent there have to be precautions taken to ensure that, while removal is ongoing, surface water in the area doesn't violate WQS due to the removal activities.
Clean Water Act				

Notes:

AAC	Alaska Administrative Code
CFR	Code of Federal Regulations
TBC	To be considered
USC	U.S. Code
WQS	Water Quality Standards

Appendix A: ARARs

Table A-3
Action-Specific Applicable or Relevant and Appropriate Requirements

ARARs	Citation or Reference	Requirements	Applicability	Comments and Analysis/Rationale for Decision
Wastewater Disposal	18 AAC 72 (23 December 2009)	Regulates minimum treatment, construction, operation, and maintenance standards for wastewater treatment works and disposal systems.	Applicable	Treatment of water may be required to after wet decontamination
Solid Waste Management regulations	18 AAC 60 5 September 2010	Governs the appropriate disposal of landfill material to minimize health and safety threats, pollution, and nuisances.	Applicable	Hazardous soil and contaminated items will be disposed of in an appropriately permitted landfill following completion of the project, as stated in 18 AAC 60.
Toxic Substances Control Act	15 USC §2601 et seq. (1976)	TSCA regulations consist of chemical control measures including information gathering, chemical testing, labeling, inspection, storage, and disposal requirements.	Applicable	Excavation may involve generation and disposal of wastes governed under TSCA.
Clean Air Act				
National Primary and Secondary Ambient Air Quality Standards	40 CFR Parts 50, 60, 61, and 63	Establishes standards for ambient air quality to protect public health and welfare. The regulation includes carbon monoxide, lead, nitrogen dioxide, particulate matter, ozone, and sulfur dioxide.	Applicable	Applicability appears to be limited to particulate matter as fugitive dust.
Clean Water Act (33 USC 1251 – 1376)				
SWPPP	40 CFR 125.3(d)	Requires the development and use of BMPs to address water runoff when an area greater than 1 acre is disturbed.	Applicable	The work plan will meet the substantive requirements of SWPPP.

Appendix A: ARARs

Table A-3
Potential Action-Specific Applicable or Relevant and Appropriate Requirements (Continued)

ARARs	Citation or Reference	Requirements	Applicability	Comments and Analysis/Rationale for Decision
Resource Conservation and Recovery Act of 1976 (42 USC 6901)				
Management of Containers	40 CFR 264.171 – 264.178	Regulations concern permanent onsite storage of hazardous wastes or temporary storage phases used during various cleanup actions such as removal or incineration.	Applicable	Applicable if a hazardous waste determination is made.
RCRA Hazardous Waste Management Regulations, Subtitle C	40 CFR 264	Applicable to the treatment, storage, transportation, and disposal of hazardous wastes listed under 40 CFR 261.	Applicable	Applicable only to the extent waste is handled. USAF will comply with substantive law.
RCRA Solid Waste Management Regulations, Subtitle D	40 CFR 264	Applicable to the management and disposal of nonhazardous wastes.	Applicable	Applicable only to the extent waste is handled. USAF will comply with substantive law.

Appendix A: ARARs

Table A-3
Potential Action-Specific Applicable or Relevant and Appropriate Requirements (Continued)

ARARs	Citation or Reference	Requirements	Applicability	Comments and Analysis/Rationale for Decision
Soil Requirements	40 CFR 761.260-274 280-298	Regulates cleanup site characterization sampling for PCB remediation waste. Regulates sampling to verify completion of self-implementing cleanup and onsite disposal of bulk PCB remediation waste and porous surfaces.	Applicable	PCBs are the contaminant of concern in Port Heiden.
Other Federal Waste Transport Regulations				
Soil and Water Resources Conservation Act of 1977	16 USC 2001	Provides for the conservation of soil, water, and related resources for sustained use.	Relevant and appropriate	Pertains to the development of best management practices to conserve soil and water resources onsite.

Notes:

AAC Alaska Administrative Code
AS Alaska Statute
BMP best management practice
CFR Code of Federal Regulations
RCRA Resource Conservation and Recovery Act

SWPPP Storm Water Pollution Prevention Plan
TBC To be considered
TSCA Toxic Substances Control Act
USC U.S. Code

APPENDIX B
Cost Estimate Spreadsheets and Calculations

Area and Volume Calculations for Tundra Step Outs and Grid Data

Tundra Step Out Points ¹				Tundra and Shoulder Grids ²			Total Ft ²	Area of Known Contamination plus Field Screening (Ft ²)	Total Volume (cy)
Depth of Sample	# Locations	Ft ² per Location	Total Ft ²	Depth of Sample	# Grids	Total Ft ²			
Definitive Data ≤ 1 ppm									
6 inches	9	2500	22500	0.5 feet	342	67850	92850	92850	1719.4
12 inches	1	2500	2500						
18 inches	0	2500	0						
24 inches	0	2500	0						
Total all Depths			25000						
For Field Screening Data ≥ 0.4 ppm									
6 inches	28	2500	70000	0.5 feet	1101	180078	260078	352928	6535.7
12 inches	3	2500	7500						
18 inches	1	2500	2500						
24 inches	0	2500	0						
Total all Depths			80000						
For Field Screening Data ≥ 0.2 ppm									
6 inches	30	2500	75000	0.5 feet	1163	189113	276613	369463	6841.9
12 inches	3	2500	7500						
18 inches	2	2500	5000						
24 inches	0	2500	0						
Total all Depths			87500						
For Field Screening Data ≥ 0.1 and < 0.2 ppm									
6 inches	49	2500	122500	0.5 feet	175	33556	158556	528019	9778.1
12 inches	0	2500	0						
18 inches	1	2500	2500						
24 inches	0	2500	0						
Total all Depths			125000						

Notes:

¹ Represents selected tundra step out points where no tundra grid samples were collected. Tundra stepout location square footage is based on a 100-foot-long section that is 25 feet wide (2500 ft²).

² Selected where field laboratory and/or definitive lab results were collected. Tundra and Shoulder grid areas were calculated in the UTM Zone 4, WGS 1984 projection.

Concentration Depth Extrapolation For Tundra and Shoulder Grids

Field Screening Data				SGS Data			
Conc.	Depth	# Grids	Area	Conc.	Depth	# Grids	Area
> .8	12	872	144657	> 2	12	96	19224
> 1.2	18	623	104092	> 3	18	29	5828
> 1.6	24	447	74195	> 4	24	18	3739
> 2.0	30	353	58123	> 5	30	7	1454
> 2.4	36	285	46439	> 6	36	2	459
> 2.8	42	236	34401	> 7	42	1	226
> 3.2	48	196	31499	> 8	48	1	226
Total Area - Field Screening			493406	Total Area - SGS			31156

Summary Table						
Type	Total Known Area (Ft ²)	Extrapolated Total Area ¹ (Ft ²)	Total Area ¹ (Ft ²)	Sample Depth Increment (Feet)	Total Volume (Cubic Yards)	Total Volume +20% (Cubic Yards)
SGS Data	92850	524562	617412	0.5	11434	13720
Field>0.4 + SGS	352928	524562	877490	0.5	16250	19500
Field>0.2 + SGS	369463	524562	894025	0.5	16556	19867
Field>0.2 + Field 0.1 to 0.2 +	528019	524562	1052581	0.5	19492	23391
Extrapolated Data Field + SGS	0	524562	524562	0.5	9714	11657

Note:

¹ Includes the sum of known surface contamination and estimated depth of contamination

2012 Port Heiden PCB Removal Alternative Cost Estimates

BID ITEM	DESCRIPTION	COST TYPE	UNIT	UNIT QTY	UNIT DURA.	UNIT	UNIT COST	TOTAL HOURS	LABOR 500	MATERIALS 100	SUBCON 600	EQUIPMENT 200	MISC. 400	LOGISTICS 700	FUEL 800	FREIGHT 900	TOTAL EST. COST	BID AMOUNT
1	Base Estimate 2012 Season																	
1	Approximate Job Cost						\$ -	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1	Bond						\$ -	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1	Insurance 3%						\$ -	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1	Taxes 6% up to one thousand						\$ -	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1	Project Controls	L	HR	1	143	2.00	\$ -	286	\$28,028	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,028	\$30,570
1	Project Manager	L	HR	2	143	2.00	\$ -	572	\$56,056	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$56,056	\$61,140
1	Work Plan (by Jacobs) /Close Out Docs ETC	MI	LS	1	1	1.00	\$ 200,000.00	0	\$0	\$0	\$0	\$0	\$200,000	\$0	\$0	\$0	\$200,000	\$218,000
1	Environmental Eng /	L	HR	1	143	12.00	\$ -	1716	\$168,168	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$168,168	\$183,421
1	Chemist	L	HR	0.5	143	12	\$ -	858	\$84,084	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$84,084	\$91,711
1	Site Manager	L	HR	0.75	143	12	\$ -	1287	\$126,126	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$126,126	\$137,566
1	Survey & Overlap	L	HR	0.5	35	12	\$ -	210	\$20,580	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,580	\$22,447
1	Survey Equipment	E	Mo	1	5	1.0	\$ 4,500.00	0	\$0	\$0	\$0	\$22,500	\$0	\$0	\$0	\$0	\$22,500	\$24,525
1	Survey Materials	MA	LS	1	1	1.0	\$ 10,000.00	0	\$0	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$10,900
1	Pubs Admin	L	HR	1	10	10	\$ -	100	\$9,800	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,800	\$10,689
1	Geo Physical	L	HR	0.5	56	12	\$ -	336	\$32,928	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$32,928	\$35,915
1	Geo Physical Equipment	E	Mo	1	2.5	1.0	\$ 7,000.00	0	\$0	\$0	\$0	\$17,500	\$0	\$0	\$0	\$0	\$17,500	\$19,075
1	Per Diem	LO	DY	4.3	143	1	\$ 95.00	0	\$0	\$0	\$0	\$0	\$0	\$58,416	\$0	\$0	\$58,416	\$63,673
1	Lodging	LO	DY	4.3	143	1	\$ 126.00	0	\$0	\$0	\$0	\$0	\$0	\$77,477	\$0	\$0	\$77,477	\$84,450
1	Vehical	E	DY	5	143	1.0	\$ 95.00	0	\$0	\$0	\$0	\$67,925	\$0	\$0	\$0	\$0	\$67,925	\$74,038
1	Mob /Demob	LO	LS	1	1	1.0	\$ 28,000.00	0	\$0	\$0	\$0	\$0	\$0	\$28,000	\$0	\$0	\$28,000	\$30,520
1	On Site Lab	E	Mo	1	6	1.0	\$ 6,000.00	0	\$0	\$0	\$0	\$36,000	\$0	\$0	\$0	\$0	\$36,000	\$39,240
1	On Site Lab Materials	MA	EA	7000	1	1.0	\$ 5.00	0	\$0	\$35,000	\$0	\$0	\$0	\$0	\$0	\$0	\$35,000	\$38,150
1	Off Site Lab	S	EA	7,000	1	1.0	\$ 45.00	0	\$0	\$0	\$315,000	\$0	\$0	\$0	\$0	\$0	\$315,000	\$343,350
1	Freight	FR	LS	1	1	1.0	\$ 180,000.00	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$180,000	\$180,000	\$196,200
1	Fuel	FU	Gal	360	115	1.0	\$ 10.00	0	\$0	\$0	\$0	\$0	\$0	\$0	\$414,000	\$0	\$414,000	\$451,260
1	Other Materials	MA	LS	1	1	1.0	\$ 250,000.00	0	\$0	\$250,000	\$0	\$0	\$0	\$0	\$0	\$0	\$250,000	\$272,500
1	PPE	MA	EA	33	90	1.0	\$ 20.00	0	\$0	\$59,400	\$0	\$0	\$0	\$0	\$0	\$0	\$59,400	\$64,746
1	Electrical Sub Contractor	S	LS	1	1	1.0	\$ 35,000.00	0	\$0	\$0	\$35,000	\$0	\$0	\$0	\$0	\$0	\$35,000	\$38,150
1	Civil Subcontractor						\$ -	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1	Safety Oreintation and Superivsing for Safety	L	HR	40	1	2.0	\$ -	80	\$7,840	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,840	\$8,551
1	Mobilization	LO	LS	1	1	1.0	\$ 55,000.00	0	\$0	\$0	\$0	\$0	\$0	\$55,000	\$0	\$0	\$55,000	\$59,950
1	Demobilization	LO	LS	1	1	1.0	\$ 50,000.00	0	\$0	\$0	\$0	\$0	\$0	\$50,000	\$0	\$0	\$50,000	\$54,500
1	Subcontractor Vehicals	E	DY	2	129	1.0	\$ 95.00	0	\$0	\$0	\$0	\$24,510	\$0	\$0	\$0	\$0	\$24,510	\$26,716
1	Site Office	E	Mo	1	6	1.0	\$ 3,719.00	0	\$0	\$0	\$0	\$22,314	\$0	\$0	\$0	\$0	\$22,314	\$24,322
1	On Site Lab Building	E	Mo	1	6	1.0	\$ 2,975.00	0	\$0	\$0	\$0	\$17,850	\$0	\$0	\$0	\$0	\$17,850	\$19,457
1	On Site Storage	E	Mo	1	6	1.0	\$ 744.00	0	\$0	\$0	\$0	\$4,464	\$0	\$0	\$0	\$0	\$4,464	\$4,866
1	Restrooms	E	Mo	3	5	1.0	\$ 1,190.00	0	\$0	\$0	\$0	\$17,850	\$0	\$0	\$0	\$0	\$17,850	\$19,457
1	Hitachi 120	E	Mo	1	4	1.0	\$ 10,234.00	0	\$0	\$0	\$0	\$40,936	\$0	\$0	\$0	\$0	\$40,936	\$44,620
1	Cat 320 Excavator	E	Mo	3	4	1.0	\$ 14,161.00	0	\$0	\$0	\$0	\$169,932	\$0	\$0	\$0	\$0	\$169,932	\$185,226
1	Rubber Tired Backhoe	E	WK	1	4	1.0	\$ 1,785.00	0	\$0	\$0	\$0	\$7,140	\$0	\$0	\$0	\$0	\$7,140	\$7,783
1	Volvo 180 Loader W Scale	E	Mo	1	1	1.0	\$ 14,161.00	0	\$0	\$0	\$0	\$14,161	\$0	\$0	\$0	\$0	\$14,161	\$15,435
1	Cat IT 62 Loader	E	Mo	1	4	1.0	\$ 14,161.00	0	\$0	\$0	\$0	\$56,644	\$0	\$0	\$0	\$0	\$56,644	\$61,742
1	Volvo G940 Motor Grader	E	Mo	1	1	1.0	\$ 17,000.00	0	\$0	\$0	\$0	\$17,000	\$0	\$0	\$0	\$0	\$17,000	\$18,530
1	Cat D6 Dozer	E	Mo	1	1	1.0	\$ 14,161.00	0	\$0	\$0	\$0	\$14,161	\$0	\$0	\$0	\$0	\$14,161	\$15,435
1	Skid Steer	E	Mo	1	2	1.0	\$ 7,140.00	0	\$0	\$0	\$0	\$14,280	\$0	\$0	\$0	\$0	\$14,280	\$15,565
1	Dump Trucks	E	Mo	6	4	1.0	\$ 12,500.00	0	\$0	\$0	\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000	\$327,000
1	Semi with LowBoy	E	WK	1	3	1.0	\$ 7,800.00	0	\$0	\$0	\$0	\$23,400	\$0	\$0	\$0	\$0	\$23,400	\$25,506
1	Super Sac Hopper	E	WK	1	2	1.0	\$ 1,190.00	0	\$0	\$0	\$0	\$2,380	\$0	\$0	\$0	\$0	\$2,380	\$2,594
1	Water Truck	E	Mo	1	4	1.0	\$ 800.00	0	\$0	\$0	\$0	\$3,200	\$0	\$0	\$0	\$0	\$3,200	\$3,488

2012 Port Heiden PCB Removal Alternative Cost Estimates

BID ITEM	DESCRIPTION	COST TYPE	UNIT	UNIT QTY	UNIT DURA.	UNIT	UNIT COST	TOTAL HOURS	LABOR 500	MATERIALS 100	SUBCON 600	EQUIPMENT 200	MISC. 400	LOGISTICS 700	FUEL 800	FREIGHT 900	TOTAL EST. COST	BID AMOUNT
1	Pumps	E	Mo	2	4	1.0	\$ 500.00	0	\$0	\$0	\$0	\$4,000	\$0	\$0	\$0	\$0	\$4,000	\$4,360
1	Generators	E	Mo	3	4	1.0	\$ 500.00	0	\$0	\$0	\$0	\$6,000	\$0	\$0	\$0	\$0	\$6,000	\$6,540
1	Utility Cable Locater	E	Mo	2	1	1.0	\$ 375.00	0	\$0	\$0	\$0	\$750	\$0	\$0	\$0	\$0	\$750	\$818
1	Vac Trailer	E	Mo	1	4	1.0	\$ 25,000.00	0	\$0	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$109,000
1	UnClassified Fill	MA	CY	5,000	1	1.0	\$ 5.00	0	\$0	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000	\$27,250
1	Superintendent	L	HR	1	143	12.0	\$ -	1716	\$168,168	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$168,168	\$183,421
1	Operators	L	HR	5	115	10.0	\$ -	5750	\$563,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$563,500	\$614,611
1	Truck Driver	L	HR	7	115	10.0	\$ -	8050	\$788,900	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$788,900	\$860,456
1	Laborer	L	HR	12	121	10.0	\$ -	14520	\$1,422,960	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,422,960	\$1,552,027
1 Total	Base Estimate 2012 Season							35481	\$3,477,138	\$379,400	\$350,000	\$1,004,897	\$200,000	\$268,893	\$414,000	\$180,000	\$6,274,328	\$6,841,462
2	Onsite and Offsite Disposal																	
2	Split with Common- Jacobs Personnel							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	Assumes all Permit plans and other required in place.							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	Mobilization Demob Jacobs	LO	LS	2	1	1.00	\$ 20,000.00	0	\$0	\$0	\$0	\$0	\$0	\$40,000	\$0	\$0	\$40,000	\$43,600
2	Site Manager-	L	DY	68	1	12.00		816	\$79,968	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$79,968	\$87,221
2	Environmental Eng	L	DY	68	1	12.0		816	\$79,968	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$79,968	\$87,221
2	Survey	L	DY	5	1	12.00		60	\$5,880	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,880	\$6,413
2	Chemist	L	DY	5	1	12.00		60	\$5,880	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,880	\$6,413
2	Per Diem	LO	DY	136	1	1.00	\$ 95.00	0	\$0	\$0	\$0	\$0	\$0	\$12,920	\$0	\$0	\$12,920	\$14,083
2	Lodging	LO	DY	4	136	1.0	\$ 180.00	0	\$0	\$0	\$0	\$0	\$0	\$97,920	\$0	\$0	\$97,920	\$106,733
2	Transportation	E	Mo	4	3	1.00	\$ 2,760.00	0	\$0	\$0	\$0	\$33,120	\$0	\$0	\$0	\$0	\$33,120	\$36,101
2	Office /Lab /Restroom	E	Mo	1	3	1.00	\$ 9,670.00	0	\$0	\$0	\$0	\$29,010	\$0	\$0	\$0	\$0	\$29,010	\$31,621
2	Materials Mobilization	FR	LS	1	1	1.00	\$ 75,000.00	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000	\$75,000	\$81,750
2	Cap fabric	MA	SF	110000	1	1.00	\$ 0.50	0	\$0	\$55,000	\$0	\$0	\$0	\$0	\$0	\$0	\$55,000	\$59,950
2	Bottom and Wall Fabric	MA	SF	100,000	1	1.0	\$ 0.75	0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000	\$81,750
2	Fuel	FU	Gal	48,000	1	1.00	\$ 11.00	0	\$0	\$0	\$0	\$0	\$0	\$0	\$528,000	\$0	\$528,000	\$575,520
2	Mobilization Demob Equipment							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	Road Maintance							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	Operators	L	DY	1	30	11.00		330	\$32,340	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$32,340	\$35,273
2	Volvo Motor Grader	E	DY	1	30	1.00	\$ 1,704.00	0	\$0	\$0	\$0	\$51,120	\$0	\$0	\$0	\$0	\$51,120	\$55,721
2	Cell Overburden Exc. 25,068 CY							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	Assume Storage dist. = 1.5 trk loads hr. Stockpile very close							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	Operators	L	DY	3	31	12.00		1116	\$109,368	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$109,368	\$119,288
2	Truck Driver	L	DY	6	31	12.00		2232	\$218,736	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$218,736	\$238,576
2	Labor	L	DY	4	31	12.00		1488	\$145,824	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$145,824	\$159,051
2	Superintendent	L	DY	1	32	12.0		384	\$37,632	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$37,632	\$41,045
2	Excavator	E	Mo	2	1.1	1.00	\$ 14,161.00	0	\$0	\$0	\$0	\$31,154	\$0	\$0	\$0	\$0	\$31,154	\$33,958
2	Dozer	E	Mo	1	1.1	1.00	\$ 14,161.00	0	\$0	\$0	\$0	\$15,577	\$0	\$0	\$0	\$0	\$15,577	\$16,979
2	Dump Truck (Assume 6 Available)	E	Mo	6	1.1	1.00	\$ 10,000.00	0	\$0	\$0	\$0	\$66,000	\$0	\$0	\$0	\$0	\$66,000	\$71,940
2	Water Truck	E	Mo	1	1	1.0	\$ 800.00	0	\$0	\$0	\$0	\$800	\$0	\$0	\$0	\$0	\$800	\$872
2	Cell Ex 31,000 Cy 1.5 loads per trk hr- stockpile close							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	Cell Capacity 26,500 cy or 39,000 tn							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	Operators	L	DY	2	40	12.00		960	\$94,080	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$94,080	\$102,613
2	Truck Driver	L	DY	6	40	12.00		2880	\$282,240	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$282,240	\$307,840
2	Labor	L	DY	4	40	12.00		1920	\$188,160	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$188,160	\$205,227
2	Superintendent	L	DY	1	41	12.0		492	\$48,216	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$48,216	\$52,589
2	Excavator	E	Mo	1	1.3	1.00	\$ 14,161.00	0	\$0	\$0	\$0	\$18,409	\$0	\$0	\$0	\$0	\$18,409	\$20,066
2	Dozer	E	Mo	1	1.3	1.00	\$ 14,161.00	0	\$0	\$0	\$0	\$18,409	\$0	\$0	\$0	\$0	\$18,409	\$20,066

2012 Port Heiden PCB Removal Alternative Cost Estimates

BID ITEM	DESCRIPTION	COST TYPE	UNIT	UNIT QTY	UNIT DURA.	UNIT	UNIT COST	TOTAL HOURS	LABOR 500	MATERIALS 100	SUBCON 600	EQUIPMENT 200	MISC. 400	LOGISTICS 700	FUEL 800	FREIGHT 900	TOTAL EST. COST	BID AMOUNT
2	Dump Truck (Assume 6 Available)	E	Mo	4	1.3	1.00	\$ 10,000.00	0	\$0	\$0	\$0	\$52,000	\$0	\$0	\$0	\$0	\$52,000	\$56,680
2	Water Truck	E	Mo	1	1.3	1.0	\$ 800.00	0	\$0	\$0	\$0	\$1,040	\$0	\$0	\$0	\$0	\$1,040	\$1,134
2	Fabric Installation	L	DY	8	3	12.00		288	\$28,224	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,224	\$30,784
2	Fence Installation, and materials	MI	LF	1500	1	1.00	\$ 70.00	0	\$0	\$0	\$0	\$0	\$105,000	\$0	\$0	\$0	\$105,000	\$114,450
2	Load Haul Non TSCA New Cell 17,500 cy 26,250 tn							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	Operators	L	DY	3	34	12.00		1224	\$119,952	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$119,952	\$130,832
2	Truck Driver	L	DY	6	34	12.00		2448	\$239,904	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$239,904	\$261,664
2	Labor	L	DY	8	34	12.00		3264	\$319,872	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$319,872	\$348,885
2	Superintendent	L	DY	1	34	12.0		408	\$39,984	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$39,984	\$43,611
2	Excavator	E	Mo	1	1.2	1.00	\$ 14,161.00	0	\$0	\$0	\$0	\$16,993	\$0	\$0	\$0	\$0	\$16,993	\$18,523
2	Dozer	E	Mo	1	1.2	1.00	\$ 14,161.00	0	\$0	\$0	\$0	\$16,993	\$0	\$0	\$0	\$0	\$16,993	\$18,523
2	Dump Truck (Assume 6 Available)	E	Mo	6	1.2	1.00	\$ 10,000.00	0	\$0	\$0	\$0	\$72,000	\$0	\$0	\$0	\$0	\$72,000	\$78,480
2	Assumes 1 load per hour/ swell factor 20,125 cy							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	Loader	E	Mo	1	2	1.00	\$ 14,161.00	0	\$0	\$0	\$0	\$28,322	\$0	\$0	\$0	\$0	\$28,322	\$30,871
2	Water Truck	E	Mo	1	2	1.00	\$ 800.00	0	\$0	\$0	\$0	\$1,600	\$0	\$0	\$0	\$0	\$1,600	\$1,744
2	Load and Haul Cap Materials 11,000 Cy							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	Operators	L	DY	3	13	12.00		468	\$45,864	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$45,864	\$50,024
2	Truck Driver	L	DY	6	13	12.00		936	\$91,728	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$91,728	\$100,048
2	Labor	L	DY	8	13	12.00		1248	\$122,304	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$122,304	\$133,397
2	Superintendent	L	DY	1	13	12.0		156	\$15,288	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,288	\$16,675
2	Excavator	E	WK	2	2	1.00	\$ 4,641.00	0	\$0	\$0	\$0	\$18,564	\$0	\$0	\$0	\$0	\$18,564	\$20,235
2	Dozer	E	WK	1	2	1.00	\$ 4,641.00	0	\$0	\$0	\$0	\$9,282	\$0	\$0	\$0	\$0	\$9,282	\$10,117
2	Dump Truck (Assume 6 Available)	E	WK	6	2	1.00	\$ 3,332.00	0	\$0	\$0	\$0	\$39,984	\$0	\$0	\$0	\$0	\$39,984	\$43,583
2	Assumes 1.5 load per hour from stockpile							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	Loader	E	WK	1	2	1.00	\$ 4,641.00	0	\$0	\$0	\$0	\$9,282	\$0	\$0	\$0	\$0	\$9,282	\$10,117
2	Water Truck	E	WK	1	2	1.00	\$ 200.00	0	\$0	\$0	\$0	\$400	\$0	\$0	\$0	\$0	\$400	\$436
2	Load and Dispose >10 and <50 10,500 tn	S	TN	10500	1	1.00	\$ 650.00	0	\$0	\$0	\$6,825,000	\$0	\$0	\$0	\$0	\$0	\$6,825,000	\$7,439,250
2	Load and Dispose of TSCA	S	TN	750	1	1.00	\$ 800.00	0	\$0	\$0	\$600,000	\$0	\$0	\$0	\$0	\$0	\$600,000	\$654,000
2	Native Council Haul Road fee	MI	TN	121,000	1	1.0	\$ 8.00	0	\$0	\$0	\$0	\$0	\$968,000	\$0	\$0	\$0	\$968,000	\$1,055,120
2	Materials Freight	FR	LS	1	1	1.00	\$ 100,000.00	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$109,000
2	Native Council Landfill Fee	MI	LS	1	1	1.00	\$ 1,000,000.00	0	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000	\$1,090,000
2	Misc Materials, Equip and Contingency 5%	MI	LS	1	1	1.0	\$ 729,000.00	0	\$0	\$0	\$0	\$0	\$729,000	\$0	\$0	\$0	\$729,000	\$794,610
2 Total	Onsite and Offsite Disposal							23994	\$2,351,412	\$130,000	\$7,425,000	\$530,060	\$2,802,000	\$150,840	\$528,000	\$175,000	\$14,092,312	\$15,362,273
3	Offsite Disposal																	
3	Based on disposal this year							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Mobilization Demob Jacobs	MI	LS	1	1	1	\$ 50,000.00	0	\$0	\$0	\$0	\$0	\$50,000	\$0	\$0	\$0	\$50,000	\$54,500
3	Site Manager	L	DY	1	55	12		660	\$64,680	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$64,680	\$70,547
3	Environmental Eng	L	DY	1	55	12		660	\$64,680	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$64,680	\$70,547
3	Survey	L	DY	1	1	12		12	\$1,176	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,176	\$1,283
3	Chemist							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Per Diem	LO	DY	2	110	1	\$ 95.00	0	\$0	\$0	\$0	\$0	\$0	\$20,900	\$0	\$0	\$20,900	\$22,781
3	Lodging	LO	DY	2	110	1	\$ 180.00	0	\$0	\$0	\$0	\$0	\$0	\$39,600	\$0	\$0	\$39,600	\$43,164
3	Transportation	E	Mo	2	2	1	\$ 2,760.00	0	\$0	\$0	\$0	\$11,040	\$0	\$0	\$0	\$0	\$11,040	\$12,034
3	Office /Lab /Restroom/ Storage	E	Mo	2	1	1	\$ 9,670.00	0	\$0	\$0	\$0	\$19,340	\$0	\$0	\$0	\$0	\$19,340	\$21,081
3	Prepare barge landing area	MI	LS	1	1	1	\$ 150,000.00	0	\$0	\$0	\$0	\$0	\$150,000	\$0	\$0	\$0	\$150,000	\$163,500
3	Native Council Haul Road Fee	MI	TN	37,875	1	1	\$ 8.00	0	\$0	\$0	\$0	\$0	\$303,000	\$0	\$0	\$0	\$303,000	\$330,270
3	Fuel	FU	Gal	25,000	1	1	\$ 11.00	0	\$0	\$0	\$0	\$0	\$0	\$0	\$275,000	\$0	\$275,000	\$299,750
3	Load Soil for Barge 25,250 Cy or 37,875 tn							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Operators	L	DY	4	50	12		2400	\$235,200	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$235,200	\$256,533
3	Truck Driver	L	DY	9	50	12	\$ -	5400	\$529,200	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$529,200	\$577,200

2012 Port Heiden PCB Removal Alternative Cost Estimates

BID ITEM	DESCRIPTION	COST TYPE	UNIT	UNIT QTY	UNIT DURA.	UNIT	UNIT COST	TOTAL HOURS	LABOR 500	MATERIALS 100	SUBCON 600	EQUIPMENT 200	MISC. 400	LOGISTICS 700	FUEL 800	FREIGHT 900	TOTAL EST. COST	BID AMOUNT
3	Labor	L	DY	10	50	12		6000	\$588,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$588,000	\$641,333
3	Superintendent	L	DY	1	50	12		600	\$58,800	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$58,800	\$64,133
3	Excavator	E	Mo	1	2	1	\$ 14,161.00	0	\$0	\$0	\$0	\$28,322	\$0	\$0	\$0	\$0	\$28,322	\$30,871
3	Dozer	E	Mo					0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Dump Truck (Assume 6 Available) 11 hr production, 1 load trk hr	E	Mo	6	2	1	\$ 10,000.00	0	\$0	\$0	\$0	\$120,000	\$0	\$0	\$0	\$0	\$120,000	\$130,800
3	Truck Tractor	E	Mo	2	2	1	\$ 10,000.00	0	\$0	\$0	\$0	\$40,000	\$0	\$0	\$0	\$0	\$40,000	\$43,600
3	Loader	E	Mo	2	2	1	\$ 14,161.00	0	\$0	\$0	\$0	\$56,644	\$0	\$0	\$0	\$0	\$56,644	\$61,742
3	Water Truck	E	Mo	1	2	1	\$ 800.00	0	\$0	\$0	\$0	\$1,600	\$0	\$0	\$0	\$0	\$1,600	\$1,744
3	Volvo Motor Grader	E	Mo	1	2	1	\$ 17,000.00	0	\$0	\$0	\$0	\$34,000	\$0	\$0	\$0	\$0	\$34,000	\$37,060
3	(No Swell Material from Stockpile)							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Materials	MA	LS	1	1	1	\$ 75,000.00	0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000	\$81,750
3	Freight	FR	LS	1	1	1	\$ 100,000.00	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$109,000
3	Barge 1900 tn each	S	DY	2	95	1	\$ 25,000.00	0	\$0	\$0	\$4,750,000	\$0	\$0	\$0	\$0	\$0	\$4,750,000	\$5,177,500
3	Transport Barge beach to Large Barge	S	DY	1	66	1	\$ 15,000.00	0	\$0	\$0	\$990,000	\$0	\$0	\$0	\$0	\$0	\$990,000	\$1,079,100
3	Disposal of non haz PCB	S	TN	36750	1	1	\$ 165.00	0	\$0	\$0	\$6,063,750	\$0	\$0	\$0	\$0	\$0	\$6,063,750	\$6,609,488
3	Disposal of Haz PCB in 5cy supersacks	S	TN	750	1	1	\$ 700.00	0	\$0	\$0	\$525,000	\$0	\$0	\$0	\$0	\$0	\$525,000	\$572,250
3	5 cy super sacks In Common						\$ -	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	20' open tops	E	DY	41	210	1	\$ 35.00	0	\$0	\$0	\$0	\$301,350	\$0	\$0	\$0	\$0	\$301,350	\$328,472
3	20' Intermodel Chassis w flat for intermodel	E	DY	6	210	1	\$ 75.00	0	\$0	\$0	\$0	\$94,500	\$0	\$0	\$0	\$0	\$94,500	\$103,005
3	Waste SubContractor							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Prepare and submit Manifest Package / Placard	S	LS	1	2	1	\$ 1,000.00	0	\$0	\$0	\$2,000	\$0	\$0	\$0	\$0	\$0	\$2,000	\$2,180
3	On Site Personnel	S	DY	2	55	1	\$ 1,400.00	0	\$0	\$0	\$154,000	\$0	\$0	\$0	\$0	\$0	\$154,000	\$167,860
3	Per Diem and Lodging	S	DY	2	55	1	\$ 275.00	0	\$0	\$0	\$30,250	\$0	\$0	\$0	\$0	\$0	\$30,250	\$32,973
3	Transportation	S	DY	1	55	1	\$ 95.00	0	\$0	\$0	\$5,225	\$0	\$0	\$0	\$0	\$0	\$5,225	\$5,695
3	Tracking and final reporting	S	LS	1	1	1	\$ 5,000.00	0	\$0	\$0	\$5,000	\$0	\$0	\$0	\$0	\$0	\$5,000	\$5,450
3	Mobilization	S	LS	1	1	1	\$ 30,000.00	0	\$0	\$0	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000	\$10,900
3	Demob	S	LS	1	1	1	\$ 20,000.00	0	\$0	\$0	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000	\$10,900
3	Misc Materials, Equip and Contingency 3%	MI	LS	1	1	1	\$ 515,000.00	0	\$0	\$0	\$0	\$0	\$515,000	\$0	\$0	\$0	\$515,000	\$561,350
3 Total	Offsite Disposal							15732	\$1,541,736	\$75,000	\$12,545,225	\$706,796	\$1,018,000	\$60,500	\$275,000	\$100,000	\$16,322,257	\$17,792,344
4	Masonry																	
4								0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4 Total	Masonry							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5	Metals																	
5								0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5 Total	Metals							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Wood & Plastics																	
6								0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6 Total	Wood & Plastics							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7	Thermal & Moisture Protection																	
7								0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7 Total	Thermal & Moisture Protection							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8	Doors & Windows																	
8								0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8 Total	Doors & Windows							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Finishes																	
9								0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9 Total	Finishes							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10	Specialties																	
10								0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

2012 Port Heiden PCB Removal Alternative Cost Estimates

BID ITEM	DESCRIPTION	COST TYPE	UNIT	UNIT QTY	UNIT DURA.	UNIT	UNIT COST	TOTAL HOURS	LABOR 500	MATERIALS 100	SUBCON 600	EQUIPMENT 200	MISC. 400	LOGISTICS 700	FUEL 800	FREIGHT 900	TOTAL EST. COST	BID AMOUNT
10 Total	Specialties							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11	Equipment																	
11								0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11 Total	Equipment							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12	Furnishings																	
12								0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12 Total	Furnishings							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Special Construction							0										
13								0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13 Total	Special Construction							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	Conveying																	
14								0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14 Total	Conveying							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	Mechanical																	
15								0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15 Total	Mechanical							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16	Electrical																	
16								0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16 Total	Electrical							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17	Other																	
17								0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17 Total	Other							0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grand Total								75207	\$7,370,286	\$584,400	\$20,320,225	\$2,241,753	\$4,020,000	\$480,233	\$1,217,000	\$455,000	\$36,688,897	\$39,996,078.87

APPENDIX C
Data Quality Assessment

**UNITED STATES AIR FORCE
611TH AIR SUPPORT GROUP
611TH CIVIL ENGINEER SQUADRON**

JOINT BASE ELMENDORF-RICHARDSON, ALASKA

**SITE ROAD PCB-CONTAMINATED SOIL
REMOVAL**

**ENGINEERING EVALUATION / COST
ANALYSIS**

APPENDIX C: DATA QUALITY ASSESSMENT

PORT HEIDEN, ALASKA

**FINAL
MAY 2012**

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
ACRONYMS AND ABBREVIATIONS	C-iii
1.0 INTRODUCTION	C-1-1
1.1 DATA REVIEW AND QUALIFICATION	C-1-1
1.2 DATA QUALITY ISSUES	C-2-1
2.0 DATA QUALITY SUMMARY	C-2-1
2.1 SAMPLE HANDLING.....	C-2-2
2.2 SURROGATES	C-2-2
2.3 MATRIX SPIKE RECOVERIES OUTSIDE CONTROL LIMITS.....	C-2-2
2.4 MATRIX SPIKE PRECISION	C-2-3
2.5 FIELD DUPLICATES PRECISION	C-2-3
2.6 REPORTING LIMIT ASSESSMENT.....	C-2-4
3.0 CONCLUSION.....	C-3-1
4.0 REFERENCES.....	C-4-1

TABLES

Table C-1	Quality Control Criteria Used for Data Quality Assessment.....	C-1-2
Table C-2	Field and Quality Control Sample Quantities	C-2-1

ATTACHMENTS

Attachment C-1	Data Quality Exception Tables
Attachment C-2	ADEC Checklists
Attachment C-3	Sample Summary
Attachment C-4	Laboratory Data Deliverables

(intentionally blank)

ACRONYMS AND ABBREVIATIONS

ADEC	Alaska Department of Environmental Conservation
CoC	chain-of-custody
DL	detection limit
DoD	U.S. Department of Defense
DQA	Data Quality Assessment
DQO	data quality objective
EE/CA	Engineering Evaluation/Cost Analysis
EPA	U.S. Environmental Protection Agency
Jacobs	Jacobs Engineering Group Inc.
LOD	limit of detection
LOQ	limit of quantitation
LCS	laboratory control sample
mg/kg	milligrams per kilogram
MS	matrix spike
MSD	matrix spike duplicate
QAPP	Quality Assurance Project Plan
QC	quality control
QSM	Quality Systems Manual
RPD	relative percent difference
SGS-Alaska	SGS Environmental Services, Anchorage
USAF	U.S. Air Force
°C	degrees Celsius

(intentionally blank)

1.0 INTRODUCTION

This Data Quality Assessment (DQA) was performed to assess the overall quality and usability of the data collected to support the 2011 Engineering Evaluation/Cost Analysis (EE/CA) at Site Road in Port Heiden, Alaska. This appendix also contains the data quality exception tables (Attachment C-1), Alaska Department of Environmental Conservation (ADEC) Laboratory Data Review Checklists (Attachment C-2), and sample summary table (Attachment C-3). SGS Environmental Services of Anchorage, Alaska (SGS-Alaska) provided the primary analytical support. Attachment C-4 provides the complete laboratory data deliverables electronically (on CD). The complete analytical data report is located in Appendix E.

Jacobs Engineering Group Inc. (Jacobs) performed a data review, prepared this DQA, and completed the ADEC Laboratory Data Review Checklists for the analytical data collected during the 2011 field season. The data review and DQA were performed in accordance with the *PCB Soil Removal Action for Site Road Work Plan* (U.S. Air Force [USAF] 2011b) and the U.S. Department of Defense (DoD) *Quality Systems Manual* (QSM), version 4.2 (DoD 2010). Results were categorized as either “acceptable”, “estimated”, or “rejected”; data qualifier definitions are located in Section 1.1 of this DQA. A completeness check of the hardcopy and electronic data was performed to verify that the data packages and electronic files included all information requested.

1.1 DATA REVIEW AND QUALIFICATION

All analytical data were reviewed by the Jacobs Project Chemist. This evaluation consisted of a review of chain-of-custody (CoC) and sample receipt records, laboratory case narratives, laboratory data (including analytical methodology), sample holding times, laboratory blanks, limits of detection (LOD), limits of quantitation (LOQ), surrogate recoveries, laboratory control sample (LCS) recoveries, matrix spike (MS) recoveries, and precision.

Analytical results were evaluated against the data quality objectives (DQO) listed in the QAPP (USAF 2011b), QSM version 4.2 (DoD 2010), and analytical methods (U.S.

Environmental Protection Agency [EPA] 1996). If a result or recovery fell outside the control limits, a qualifier code was applied to that datum. Table C-1 presents the quality control (QC) criteria for the methods utilized.

Analytical DQOs were considered met when the quality of the sample data met the precision, accuracy, representativeness, completeness, comparability, and sensitivity requirements specified in the project Quality Assurance Project Plan (QAPP), which is included as part of the Work Plan (USAF 2011b).

Table C-1
Quality Control Criteria Used for Data Quality Assessment

Parameter	SW8082 ¹
LCS Recovery Limits	DoD QSM, Table G-17
LCS RPD	30%
Surrogate Recovery	DoD QSM, Table G-3
MS Recovery	DoD QSM, Table G-17
MS Recovery RPD	30%

Notes:

For definitions, see the Acronyms and Abbreviations section.

¹ = Criteria from the DoD QSM v.4.2 (2010)

Qualification was not required in the following circumstances:

- Surrogate or MS/matrix spike duplicate (MSD) recoveries were outside QC limits, and the sample was diluted by a factor of 5 or greater.
- MS recoveries were outside QC limits, and the spiked concentration was less than that of the parent sample.
- An analyte was detected in the method blank or trip blank, but there was no detection in the sample.
- MS or LCS recoveries exceeded upper control limits, and there was no detection in the sample(s).

Qualifiers applied to the analytical data set, as appropriate, include the following:

- J The analyte was positively identified, but the associated result was less than the LOQ, and greater than or equal to the detection limit (DL).

- JTE The sample cooler, upon receipt at the laboratory, contained frozen samples, or the temperature blank exceeded 6 degrees Celsius (°C).
- JM The result was an estimated value because the analyte failed recovery criteria in the MS or MSD sample or both. MS sample recoveries were only evaluated if the spike concentration exceeded the native sample concentration.
- JS The result was an estimated value because at least one surrogate failed recovery criteria for that sample.
- + The result is biased high.
- The result is biased low.

Data may be rejected on the following grounds:

- Initial calibration (per compound) criteria not met
- Continuing calibration (per compound) not verified
- All nondetects with the continuing calibration recovery less than control limits
- Any compound with LCS recovery less than 10 percent
- Missed holding times greater than two times the method-specified holding time
- Surrogate recovery of less than 10 percent and a dilution factor of 5 or less
- Incorrect or inadequate preservation methods
- Cooler temperature reading greater than 12 °C

Completeness is a quantitative evaluation (expressed as a percentage) of the overall data quality of the generated results. The completeness goal is met when 95 percent of sample data is not rejected. This goal was met and data was considered usable for the purposes of the Port Heiden Site Road EE/CA with the limitations discussed in Section 2.0 and the ADEC Laboratory Data Review Checklists (Attachment C-2).

(intentionally blank)

2.0 DATA QUALITY SUMMARY

A review of the analytical results and associated QC samples found the overall quality of the project data to be acceptable. Complete details of the evaluation and associated samples are provided in the ADEC Laboratory Data Review Checklist (Attachment C-2). All data were considered usable (within the limitations discussed in this DQA and the ADEC checklists) with regard to laboratory qualifiers (Section 1.1). Qualified results are considered estimated and, whenever possible, indicated as either biased high (+) or low (-). Table C-2 presents field and QC sample quantities analyzed per sample type and analytical method.

Table C-2
Field and Quality Control Sample Quantities

Sample Type	Analytical Method
	SW8082
Primary	1179
Field Duplicate	60
MS	102
MSD	102
Trip Blank	0

Note

For definitions, see the Acronyms and Abbreviations section.

2.1 DATA QUALITY ISSUES

Although the overall quality of the data is considered acceptable, several non-systematic issues were identified during the data review process:

- Sample handling
- Surrogate recovery exceedances
- Matrix spike recoveries outside of control limits
- Matrix spike precision
- Field duplicate precision
- Reporting limit exceedances
- Duplicate sample analysis

2.2 SAMPLE HANDLING

Twenty-five coolers containing samples from 2011 field efforts were submitted to SGS-Alaska for analysis. No significant issues were identified during review of the sample-handling documentation. While onsite, the samples were stored in pre-chilled coolers and/or a refrigerated until they were packaged for shipment. Nearly all coolers had ambient cooler temperatures within or below the acceptance range upon arrival at SGS-Alaska, indicating that the samples were adequately preserved during transport to the laboratory. Two sample coolers arrived at SGS-Alaska 4 days after the initial shipment with temperatures above the acceptable range of $4 \pm 2^{\circ}\text{C}$. The sample coolers, 'Han Solo' and 'Luke Skywalker' arrived at SGS-Alaska with ambient temperatures of 9.0°C and 8.9°C , respectively. Affected samples were flagged JTE. Data quality was minimally affected due to cooler temperature exceedances. Data usability was not affected by this sample handling discrepancy. The affected samples qualified JTE may be potentially biased low. Samples are listed in Attachment C-1, Table C-1-1.

2.3 SURROGATES

With only one exception, surrogate recoveries were within the limits specified in Table C-1. An Aroclor 1260 sample result was qualified JS+ due to a surrogate recovery greater than the upper control limit, which resulted in a high bias. Although the sample result was greater than the ADEC cleanup level of 1.0 milligram per kilogram (mg/kg), the usability of sample was not significantly affected by the surrogate recovery exceedance. The affected sample is listed in Attachment C-1, Table C-1-2.

2.4 MATRIX SPIKE RECOVERIES OUTSIDE CONTROL LIMITS

Several MS and MSD recoveries exceeded the recovery criteria listed in Table C-1. In the majority of cases, data qualification was not required because either the analyte concentrations in the parent sample were 2 or more times greater than the spiked amount, or the recovery exceedance indicated a high bias, but the parent sample was nondetect for that analyte. Attachment C-1, Table C-1-3 lists the sample results that required qualification. The

qualified Aroclor 1260 results for SW8082A were below the ADEC cleanup level of 1.0 mg/kg (ADEC 2009). Data usability was not significantly affected by the MS/MSD recovery exceedances.

2.5 MATRIX SPIKE PRECISION

The majority of the MS/MSD relative percent differences (RPD) were less than the limits specified in Table C-1. Of the Port Heiden project samples analyzed, there were four MS/MSD pairs that exceeded RPD QC criteria of 30 percent. Aroclor 1260 samples 11PH-TU090-R-75-12 and 11PH-TU089-L2-A-6 and Aroclor 1016 sample 11PH-SS088-C5-6 exceeded MS/MSD RPD criteria at 57 percent, 31 percent, and 39 percent, respectively. Another Aroclor 1260 sample, 11PH-ST1-3-03, exceeded MS/MSD RPD criteria at 33 percent; however, this sample was described in the *PCB Soil Removal from Site Road Time-Critical Removal Action Report* (USAF 2011a). Data quality and usability were minimally affected by the MS/MSD RPD exceedances.

2.6 FIELD DUPLICATES PRECISION

The project goal of 10 percent field duplicate samples was not met for this EE/CA. Sixty field duplicate samples were evaluated, which constitutes approximately 20 percent of the 1,179 primary samples. Field duplicate precision is described in detail in the ADEC Laboratory Data Review Checklists (Attachment C-2).

In general, field duplicate precision was acceptable. Duplicate sample precision was evaluated by calculating the RPD between the duplicate results, or the RPD between the result and the LOD (when the result was reported as nondetect).

Out of 60 pairs of duplicate results, 58 pairs had results either nondetect or the RPD less than the DQO; only two sample duplicate pairs had RPDs greater than the DQO. The sample duplicate results that disagreed are presented in Table C-1-4 (Attachment C-1). The data quality is minimally affected because all sample duplicate results that disagreed were significantly lower than the ADEC action limit.

2.7 REPORTING LIMIT ASSESSMENT

Laboratory LOQs were evaluated against the project QAPP sensitivity requirement of one-tenth the regulatory action levels (ADEC 2009). When the LOQ exceeded the one-tenth the action level, the LOD was evaluated against the action limit. Both the LOQ and LOD exceeded QC criteria for two samples as shown in Attachment C-1, Table C-1-5. These samples were diluted due to high results for Aroclor 1260; therefore, data quality and usability were minimally affected. Data with LODs exceeding QC criteria are still considered usable for investigative purposes.

2.8 DUPLICATE SAMPLE ANALYSIS

Due to COC/login error, six field samples were analyzed by SGS-Alaska twice. For each of the six samples, only Aroclor 1260 was detected. The two sets of results for Aroclor 1260 for the duplicated samples are presented in Attachment C-1, Table C-1-6. All duplicate sample pair results were below the RPD DQO. In most cases the duplicate result did not affect whether the sample exceeded the ADEC action limit of 1.0 mg/kg. Both results for duplicated samples are presented in the analytical results table (Appendix E), and the greater value was considered the primary result used for figures. The duplicated samples did not affect project decisions during the 2011 field effort.

3.0 CONCLUSION

In general, the overall quality of the project data was acceptable. All data were considered usable for the purposes of the Port Heiden Site Road EE/CA, with the limitations discussed in this DQA and the ADEC Laboratory Data Review Checklists (Attachment C-2).

(intentionally blank)

4.0 REFERENCES

- ADEC (Alaska Department of Environmental Conservation). 2009 (March). Technical Memorandum 06-002, Environmental Laboratory Data and Quality Assurance Requirements.
- DoD (U.S. Department of Defense). 2010 (October). *Department of Defense Quality Systems Manual for Environmental Laboratories*. Version 4.2. DoD Environmental Quality Workgroup, Department of the Navy.
- EPA (U.S. Environmental Protection Agency). 1996 (September). *Test Methods for Evaluating Solid Waste*. Final Update III, SW-846.
- USAF (U.S. Air Force). 2011a (December). *PCB Soil Removal from Site Road Time-Critical Removal Action Report*. Draft. Port Heiden, Alaska. Prepared by Jacobs Engineering Group Inc.
- USAF. 2011b (May). *PCB Soil Removal Action for Site Road*. Final Work Plan. Port Heiden, Alaska. Prepared by Jacobs Engineering Group Inc.

(intentionally blank)

ATTACHMENT C-1
Data Quality Exception Tables

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS069-L-6	1114121001	XXX25536	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0562]	mg/kg	9.0	JTE	1114121
11PH-SS069-L-6	1114121001	XXX25536	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0562]	mg/kg	9.0	JTE	1114121
11PH-SS069-L-6	1114121001	XXX25536	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0562]	mg/kg	9.0	JTE	1114121
11PH-SS069-L-6	1114121001	XXX25536	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0562]	mg/kg	9.0	JTE	1114121
11PH-SS069-L-6	1114121001	XXX25536	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0562]	mg/kg	9.0	JTE	1114121
11PH-SS069-L-6	1114121001	XXX25536	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0562]	mg/kg	9.0	JTE	1114121
11PH-SS069-L-6	1114121001	XXX25536	SW8082A	PCB-1260 (Aroclor 1260)	0.345	mg/kg	9.0	JTE	1114121
11PH-SS069-L-12	1114121004	XXX25536	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0578]	mg/kg	9.0	JTE	1114121
11PH-SS069-L-12	1114121004	XXX25536	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0578]	mg/kg	9.0	JTE	1114121
11PH-SS069-L-12	1114121004	XXX25536	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0578]	mg/kg	9.0	JTE	1114121
11PH-SS069-L-12	1114121004	XXX25536	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0578]	mg/kg	9.0	JTE	1114121
11PH-SS069-L-12	1114121004	XXX25536	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0578]	mg/kg	9.0	JTE	1114121
11PH-SS069-L-12	1114121004	XXX25536	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0578]	mg/kg	9.0	JTE	1114121
11PH-SS069-L-12	1114121004	XXX25536	SW8082A	PCB-1260 (Aroclor 1260)	0.139	mg/kg	9.0	JTE	1114121
11PH-SS069-R-6	1114121005	XXX25536	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0618]	mg/kg	9.0	JTE	1114121
11PH-SS069-R-6	1114121005	XXX25536	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0618]	mg/kg	9.0	JTE	1114121
11PH-SS069-R-6	1114121005	XXX25536	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0618]	mg/kg	9.0	JTE	1114121
11PH-SS069-R-6	1114121005	XXX25536	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0618]	mg/kg	9.0	JTE	1114121
11PH-SS069-R-6	1114121005	XXX25536	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0618]	mg/kg	9.0	JTE	1114121
11PH-SS069-R-6	1114121005	XXX25536	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0618]	mg/kg	9.0	JTE	1114121
11PH-SS069-R-6	1114121005	XXX25536	SW8082A	PCB-1260 (Aroclor 1260)	0.129	mg/kg	9.0	JTE	1114121
11PH-SS069X-R-6	1114121011	XXX25536	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0621]	mg/kg	9.0	JTE	1114121
11PH-SS069X-R-6	1114121011	XXX25536	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0621]	mg/kg	9.0	JTE	1114121
11PH-SS069X-R-6	1114121011	XXX25536	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0621]	mg/kg	9.0	JTE	1114121
11PH-SS069X-R-6	1114121011	XXX25536	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0621]	mg/kg	9.0	JTE	1114121

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances (Continued)

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS069X-R-6	1114121011	XXX25536	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0621]	mg/kg	9.0	JTE	1114121
11PH-SS069X-R-6	1114121011	XXX25536	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0621]	mg/kg	9.0	JTE	1114121
11PH-SS069X-R-6	1114121011	XXX25536	SW8082A	PCB-1260 (Aroclor 1260)	0.155	mg/kg	9.0	JTE	1114121
11PH-SS069-R-12	1114121006	XXX25536	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0618]	mg/kg	9.0	JTE	1114121
11PH-SS069-R-12	1114121006	XXX25536	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0618]	mg/kg	9.0	JTE	1114121
11PH-SS069-R-12	1114121006	XXX25536	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0618]	mg/kg	9.0	JTE	1114121
11PH-SS069-R-12	1114121006	XXX25536	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0618]	mg/kg	9.0	JTE	1114121
11PH-SS069-R-12	1114121006	XXX25536	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0618]	mg/kg	9.0	JTE	1114121
11PH-SS069-R-12	1114121006	XXX25536	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0618]	mg/kg	9.0	JTE	1114121
11PH-SS069-R-12	1114121006	XXX25536	SW8082A	PCB-1260 (Aroclor 1260)	0.135	mg/kg	9.0	JTE	1114121
11PH-SS070-L-6	1114121007	XXX25536	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0567]	mg/kg	9.0	JTE	1114121
11PH-SS070-L-6	1114121007	XXX25536	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0567]	mg/kg	9.0	JTE	1114121
11PH-SS070-L-6	1114121007	XXX25536	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0567]	mg/kg	9.0	JTE	1114121
11PH-SS070-L-6	1114121007	XXX25536	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0567]	mg/kg	9.0	JTE	1114121
11PH-SS070-L-6	1114121007	XXX25536	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0567]	mg/kg	9.0	JTE	1114121
11PH-SS070-L-6	1114121007	XXX25536	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0567]	mg/kg	9.0	JTE	1114121
11PH-SS070-L-6	1114121007	XXX25536	SW8082A	PCB-1260 (Aroclor 1260)	0.154	mg/kg	9.0	JTE	1114121
11PH-SS070-L-12	1114121008	XXX25536	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0608]	mg/kg	9.0	JTE	1114121
11PH-SS070-L-12	1114121008	XXX25536	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0608]	mg/kg	9.0	JTE	1114121
11PH-SS070-L-12	1114121008	XXX25536	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0608]	mg/kg	9.0	JTE	1114121
11PH-SS070-L-12	1114121008	XXX25536	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0608]	mg/kg	9.0	JTE	1114121
11PH-SS070-L-12	1114121008	XXX25536	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0608]	mg/kg	9.0	JTE	1114121
11PH-SS070-L-12	1114121008	XXX25536	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0608]	mg/kg	9.0	JTE	1114121
11PH-SS070-L-12	1114121008	XXX25536	SW8082A	PCB-1260 (Aroclor 1260)	ND [0.0608]	mg/kg	9.0	JTE	1114121
11PH-SS070-R-6	1114121009	XXX25536	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0598]	mg/kg	9.0	JTE	1114121

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances (Continued)

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS070-R-6	1114121009	XXX25536	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0598]	mg/kg	9.0	JTE	1114121
11PH-SS070-R-6	1114121009	XXX25536	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0598]	mg/kg	9.0	JTE	1114121
11PH-SS070-R-6	1114121009	XXX25536	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0598]	mg/kg	9.0	JTE	1114121
11PH-SS070-R-6	1114121009	XXX25536	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0598]	mg/kg	9.0	JTE	1114121
11PH-SS070-R-6	1114121009	XXX25536	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0598]	mg/kg	9.0	JTE	1114121
11PH-SS070-R-6	1114121009	XXX25536	SW8082A	PCB-1260 (Aroclor 1260)	0.167	mg/kg	9.0	JTE	1114121
11PH-SS070-R-12	1114121010	XXX25536	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.061]	mg/kg	9.0	JTE	1114121
11PH-SS070-R-12	1114121010	XXX25536	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.061]	mg/kg	9.0	JTE	1114121
11PH-SS070-R-12	1114121010	XXX25536	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.061]	mg/kg	9.0	JTE	1114121
11PH-SS070-R-12	1114121010	XXX25536	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.061]	mg/kg	9.0	JTE	1114121
11PH-SS070-R-12	1114121010	XXX25536	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.061]	mg/kg	9.0	JTE	1114121
11PH-SS070-R-12	1114121010	XXX25536	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.061]	mg/kg	9.0	JTE	1114121
11PH-SS070-R-12	1114121010	XXX25536	SW8082A	PCB-1260 (Aroclor 1260)	0.0596	mg/kg	9.0	J, JTE	1114121
11PH-SS071-L-6	1114121012	XXX25536	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0564]	mg/kg	9.0	JTE	1114121
11PH-SS071-L-6	1114121012	XXX25536	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0564]	mg/kg	9.0	JTE	1114121
11PH-SS071-L-6	1114121012	XXX25536	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0564]	mg/kg	9.0	JTE	1114121
11PH-SS071-L-6	1114121012	XXX25536	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0564]	mg/kg	9.0	JTE	1114121
11PH-SS071-L-6	1114121012	XXX25536	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0564]	mg/kg	9.0	JTE	1114121
11PH-SS071-L-6	1114121012	XXX25536	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0564]	mg/kg	9.0	JTE	1114121
11PH-SS071-L-6	1114121012	XXX25536	SW8082A	PCB-1260 (Aroclor 1260)	0.203	mg/kg	9.0	JTE	1114121
11PH-SS071-L-12	1114121013	XXX25536	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0621]	mg/kg	9.0	JTE	1114121
11PH-SS071-L-12	1114121013	XXX25536	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0621]	mg/kg	9.0	JTE	1114121
11PH-SS071-L-12	1114121013	XXX25536	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0621]	mg/kg	9.0	JTE	1114121
11PH-SS071-L-12	1114121013	XXX25536	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0621]	mg/kg	9.0	JTE	1114121
11PH-SS071-L-12	1114121013	XXX25536	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0621]	mg/kg	9.0	JTE	1114121

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances (Continued)

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS071-L-12	1114121013	XXX25536	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0621]	mg/kg	9.0	JTE	1114121
11PH-SS071-L-12	1114121013	XXX25536	SW8082A	PCB-1260 (Aroclor 1260)	0.0331	mg/kg	9.0	J, JTE	1114121
11PH-SS071-R-6	1114121014	XXX25536	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0598]	mg/kg	9.0	JTE	1114121
11PH-SS071-R-6	1114121014	XXX25536	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0598]	mg/kg	9.0	JTE	1114121
11PH-SS071-R-6	1114121014	XXX25536	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0598]	mg/kg	9.0	JTE	1114121
11PH-SS071-R-6	1114121014	XXX25536	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0598]	mg/kg	9.0	JTE	1114121
11PH-SS071-R-6	1114121014	XXX25536	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0598]	mg/kg	9.0	JTE	1114121
11PH-SS071-R-6	1114121014	XXX25536	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0598]	mg/kg	9.0	JTE	1114121
11PH-SS071-R-6	1114121014	XXX25536	SW8082A	PCB-1260 (Aroclor 1260)	0.149	mg/kg	9.0	JTE	1114121
11PH-SS071-R-12	1114121015	XXX25536	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.062]	mg/kg	9.0	JTE	1114121
11PH-SS071-R-12	1114121015	XXX25536	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.062]	mg/kg	9.0	JTE	1114121
11PH-SS071-R-12	1114121015	XXX25536	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.062]	mg/kg	9.0	JTE	1114121
11PH-SS071-R-12	1114121015	XXX25536	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.062]	mg/kg	9.0	JTE	1114121
11PH-SS071-R-12	1114121015	XXX25536	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.062]	mg/kg	9.0	JTE	1114121
11PH-SS071-R-12	1114121015	XXX25536	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.062]	mg/kg	9.0	JTE	1114121
11PH-SS071-R-12	1114121015	XXX25536	SW8082A	PCB-1260 (Aroclor 1260)	0.0441	mg/kg	9.0	J, JTE	1114121
11PH-SS072-L-6	1114121016	XXX25536	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0562]	mg/kg	9.0	JTE	1114121
11PH-SS072-L-6	1114121016	XXX25536	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0562]	mg/kg	9.0	JTE	1114121
11PH-SS072-L-6	1114121016	XXX25536	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0562]	mg/kg	9.0	JTE	1114121
11PH-SS072-L-6	1114121016	XXX25536	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0562]	mg/kg	9.0	JTE	1114121
11PH-SS072-L-6	1114121016	XXX25536	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0562]	mg/kg	9.0	JTE	1114121
11PH-SS072-L-6	1114121016	XXX25536	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0562]	mg/kg	9.0	JTE	1114121
11PH-SS072-L-6	1114121016	XXX25536	SW8082A	PCB-1260 (Aroclor 1260)	0.362	mg/kg	9.0	JTE	1114121
11PH-SS072-L-12	1114121017	XXX25536	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0586]	mg/kg	9.0	JTE	1114121
11PH-SS072-L-12	1114121017	XXX25536	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0586]	mg/kg	9.0	JTE	1114121

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances (Continued)

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS072-L-12	1114121017	XXX25536	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0586]	mg/kg	9.0	JTE	1114121
11PH-SS072-L-12	1114121017	XXX25536	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0586]	mg/kg	9.0	JTE	1114121
11PH-SS072-L-12	1114121017	XXX25536	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0586]	mg/kg	9.0	JTE	1114121
11PH-SS072-L-12	1114121017	XXX25536	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0586]	mg/kg	9.0	JTE	1114121
11PH-SS072-L-12	1114121017	XXX25536	SW8082A	PCB-1260 (Aroclor 1260)	0.0912	mg/kg	9.0	JTE	1114121
11PH-SS072-R-6	1114121018	XXX25536	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.06]	mg/kg	9.0	JTE	1114121
11PH-SS072-R-6	1114121018	XXX25536	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.06]	mg/kg	9.0	JTE	1114121
11PH-SS072-R-6	1114121018	XXX25536	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.06]	mg/kg	9.0	JTE	1114121
11PH-SS072-R-6	1114121018	XXX25536	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.06]	mg/kg	9.0	JTE	1114121
11PH-SS072-R-6	1114121018	XXX25536	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.06]	mg/kg	9.0	JTE	1114121
11PH-SS072-R-6	1114121018	XXX25536	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.06]	mg/kg	9.0	JTE	1114121
11PH-SS072-R-6	1114121018	XXX25536	SW8082A	PCB-1260 (Aroclor 1260)	0.243	mg/kg	9.0	JTE	1114121
11PH-SS072-R-12	1114121019	XXX25528	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0616]	mg/kg	9.0	JTE	1114121
11PH-SS072-R-12	1114121019	XXX25528	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0616]	mg/kg	9.0	JTE	1114121
11PH-SS072-R-12	1114121019	XXX25528	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0616]	mg/kg	9.0	JTE	1114121
11PH-SS072-R-12	1114121019	XXX25528	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0616]	mg/kg	9.0	JTE	1114121
11PH-SS072-R-12	1114121019	XXX25528	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0616]	mg/kg	9.0	JTE	1114121
11PH-SS072-R-12	1114121019	XXX25528	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0616]	mg/kg	9.0	JTE	1114121
11PH-SS072-R-12	1114121019	XXX25528	SW8082A	PCB-1260 (Aroclor 1260)	0.11	mg/kg	9.0	JTE	1114121
11PH-SS073-L-6	1114121020	XXX25536	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0563]	mg/kg	9.0	JTE	1114121
11PH-SS073-L-6	1114121020	XXX25536	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0563]	mg/kg	9.0	JTE	1114121
11PH-SS073-L-6	1114121020	XXX25536	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0563]	mg/kg	9.0	JTE	1114121
11PH-SS073-L-6	1114121020	XXX25536	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0563]	mg/kg	9.0	JTE	1114121
11PH-SS073-L-6	1114121020	XXX25536	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0563]	mg/kg	9.0	JTE	1114121
11PH-SS073-L-6	1114121020	XXX25536	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0563]	mg/kg	9.0	JTE	1114121

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances (Continued)

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS073-L-6	1114121020	XXX25536	SW8082A	PCB-1260 (Aroclor 1260)	0.223	mg/kg	9.0	JTE	1114121
11PH-SS073-L-12	1114121021	XXX25535	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0581]	mg/kg	9.0	JTE	1114121
11PH-SS073-L-12	1114121021	XXX25535	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0581]	mg/kg	9.0	JTE	1114121
11PH-SS073-L-12	1114121021	XXX25535	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0581]	mg/kg	9.0	JTE	1114121
11PH-SS073-L-12	1114121021	XXX25535	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0581]	mg/kg	9.0	JTE	1114121
11PH-SS073-L-12	1114121021	XXX25535	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0581]	mg/kg	9.0	JTE	1114121
11PH-SS073-L-12	1114121021	XXX25535	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0581]	mg/kg	9.0	JTE	1114121
11PH-SS073-L-12	1114121021	XXX25535	SW8082A	PCB-1260 (Aroclor 1260)	0.0516	mg/kg	9.0	J, JTE	1114121
11PH-SS073-R-6	1114121024	XXX25536	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0596]	mg/kg	9.0	JTE	1114121
11PH-SS073-R-6	1114121024	XXX25536	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0596]	mg/kg	9.0	JTE	1114121
11PH-SS073-R-6	1114121024	XXX25536	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0596]	mg/kg	9.0	JTE	1114121
11PH-SS073-R-6	1114121024	XXX25536	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0596]	mg/kg	9.0	JTE	1114121
11PH-SS073-R-6	1114121024	XXX25536	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0596]	mg/kg	9.0	JTE	1114121
11PH-SS073-R-6	1114121024	XXX25536	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0596]	mg/kg	9.0	JTE	1114121
11PH-SS073-R-6	1114121024	XXX25536	SW8082A	PCB-1260 (Aroclor 1260)	0.154	mg/kg	9.0	JTE	1114121
11PH-SS073-R-12	1114121025	XXX25536	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0657]	mg/kg	9.0	JTE	1114121
11PH-SS073-R-12	1114121025	XXX25536	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0657]	mg/kg	9.0	JTE	1114121
11PH-SS073-R-12	1114121025	XXX25536	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0657]	mg/kg	9.0	JTE	1114121
11PH-SS073-R-12	1114121025	XXX25536	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0657]	mg/kg	9.0	JTE	1114121
11PH-SS073-R-12	1114121025	XXX25536	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0657]	mg/kg	9.0	JTE	1114121
11PH-SS073-R-12	1114121025	XXX25536	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0657]	mg/kg	9.0	JTE	1114121
11PH-SS073-R-12	1114121025	XXX25536	SW8082A	PCB-1260 (Aroclor 1260)	0.0409	mg/kg	9.0	J, JTE	1114121
11PH-SS074-L-6	1114121026	XXX25536	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0564]	mg/kg	9.0	JTE	1114121
11PH-SS074-L-6	1114121026	XXX25536	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0564]	mg/kg	9.0	JTE	1114121
11PH-SS074-L-6	1114121026	XXX25536	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0564]	mg/kg	9.0	JTE	1114121

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances (Continued)

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS074-L-6	1114121026	XXX25536	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0564]	mg/kg	9.0	JTE	1114121
11PH-SS074-L-6	1114121026	XXX25536	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0564]	mg/kg	9.0	JTE	1114121
11PH-SS074-L-6	1114121026	XXX25536	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0564]	mg/kg	9.0	JTE	1114121
11PH-SS074-L-6	1114121026	XXX25536	SW8082A	PCB-1260 (Aroclor 1260)	0.193	mg/kg	9.0	JTE	1114121
11PH-SS074-L-12	1114121027	XXX25535	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0578]	mg/kg	9.0	JTE	1114121
11PH-SS074-L-12	1114121027	XXX25535	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0578]	mg/kg	9.0	JTE	1114121
11PH-SS074-L-12	1114121027	XXX25535	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0578]	mg/kg	9.0	JTE	1114121
11PH-SS074-L-12	1114121027	XXX25535	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0578]	mg/kg	9.0	JTE	1114121
11PH-SS074-L-12	1114121027	XXX25535	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0578]	mg/kg	9.0	JTE	1114121
11PH-SS074-L-12	1114121027	XXX25535	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0578]	mg/kg	9.0	JTE	1114121
11PH-SS074-L-12	1114121027	XXX25535	SW8082A	PCB-1260 (Aroclor 1260)	0.0411	mg/kg	9.0	J, JTE	1114121
11PH-SS074-R-6	1114121028	XXX25535	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0558]	mg/kg	9.0	JTE	1114121
11PH-SS074-R-6	1114121028	XXX25535	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0558]	mg/kg	9.0	JTE	1114121
11PH-SS074-R-6	1114121028	XXX25535	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0558]	mg/kg	9.0	JTE	1114121
11PH-SS074-R-6	1114121028	XXX25535	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0558]	mg/kg	9.0	JTE	1114121
11PH-SS074-R-6	1114121028	XXX25535	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0558]	mg/kg	9.0	JTE	1114121
11PH-SS074-R-6	1114121028	XXX25535	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0558]	mg/kg	9.0	JTE	1114121
11PH-SS074-R-6	1114121028	XXX25535	SW8082A	PCB-1260 (Aroclor 1260)	0.0893	mg/kg	9.0	JTE	1114121
11PH-SS074-R-12	1114121029	XXX25535	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0589]	mg/kg	9.0	JTE	1114121
11PH-SS074-R-12	1114121029	XXX25535	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0589]	mg/kg	9.0	JTE	1114121
11PH-SS074-R-12	1114121029	XXX25535	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0589]	mg/kg	9.0	JTE	1114121
11PH-SS074-R-12	1114121029	XXX25535	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0589]	mg/kg	9.0	JTE	1114121
11PH-SS074-R-12	1114121029	XXX25535	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0589]	mg/kg	9.0	JTE	1114121
11PH-SS074-R-12	1114121029	XXX25535	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0589]	mg/kg	9.0	JTE	1114121
11PH-SS074-R-12	1114121029	XXX25535	SW8082A	PCB-1260 (Aroclor 1260)	0.0445	mg/kg	9.0	J, JTE	1114121

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances (Continued)

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS075-L-6	1114121030	XXX25535	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0556]	mg/kg	9.0	JTE	1114121
11PH-SS075-L-6	1114121030	XXX25535	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0556]	mg/kg	9.0	JTE	1114121
11PH-SS075-L-6	1114121030	XXX25535	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0556]	mg/kg	9.0	JTE	1114121
11PH-SS075-L-6	1114121030	XXX25535	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0556]	mg/kg	9.0	JTE	1114121
11PH-SS075-L-6	1114121030	XXX25535	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0556]	mg/kg	9.0	JTE	1114121
11PH-SS075-L-6	1114121030	XXX25535	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0556]	mg/kg	9.0	JTE	1114121
11PH-SS075-L-6	1114121030	XXX25535	SW8082A	PCB-1260 (Aroclor 1260)	0.121	mg/kg	9.0	JTE	1114121
11PH-SS075-L-12	1114121031	XXX25535	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0567]	mg/kg	9.0	JTE	1114121
11PH-SS075-L-12	1114121031	XXX25535	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0567]	mg/kg	9.0	JTE	1114121
11PH-SS075-L-12	1114121031	XXX25535	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0567]	mg/kg	9.0	JTE	1114121
11PH-SS075-L-12	1114121031	XXX25535	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0567]	mg/kg	9.0	JTE	1114121
11PH-SS075-L-12	1114121031	XXX25535	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0567]	mg/kg	9.0	JTE	1114121
11PH-SS075-L-12	1114121031	XXX25535	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0567]	mg/kg	9.0	JTE	1114121
11PH-SS075-L-12	1114121031	XXX25535	SW8082A	PCB-1260 (Aroclor 1260)	0.0479	mg/kg	9.0	J, JTE	1114121
11PH-SS075X-L-12	1114121034	XXX25535	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0565]	mg/kg	9.0	JTE	1114121
11PH-SS075X-L-12	1114121034	XXX25535	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0565]	mg/kg	9.0	JTE	1114121
11PH-SS075X-L-12	1114121034	XXX25535	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0565]	mg/kg	9.0	JTE	1114121
11PH-SS075X-L-12	1114121034	XXX25535	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0565]	mg/kg	9.0	JTE	1114121
11PH-SS075X-L-12	1114121034	XXX25535	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0565]	mg/kg	9.0	JTE	1114121
11PH-SS075X-L-12	1114121034	XXX25535	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0565]	mg/kg	9.0	JTE	1114121
11PH-SS075X-L-12	1114121034	XXX25535	SW8082A	PCB-1260 (Aroclor 1260)	0.0528	mg/kg	9.0	J, JTE	1114121
11PH-SS075-R-6	1114121032	XXX25535	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0567]	mg/kg	9.0	JTE	1114121
11PH-SS075-R-6	1114121032	XXX25535	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0567]	mg/kg	9.0	JTE	1114121
11PH-SS075-R-6	1114121032	XXX25535	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0567]	mg/kg	9.0	JTE	1114121
11PH-SS075-R-6	1114121032	XXX25535	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0567]	mg/kg	9.0	JTE	1114121

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances (Continued)

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS075-R-6	1114121032	XXX25535	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0567]	mg/kg	9.0	JTE	1114121
11PH-SS075-R-6	1114121032	XXX25535	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0567]	mg/kg	9.0	JTE	1114121
11PH-SS075-R-6	1114121032	XXX25535	SW8082A	PCB-1260 (Aroclor 1260)	0.149	mg/kg	9.0	JTE	1114121
11PH-SS075-R-12	1114121033	XXX25535	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0563]	mg/kg	9.0	JTE	1114121
11PH-SS075-R-12	1114121033	XXX25535	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0563]	mg/kg	9.0	JTE	1114121
11PH-SS075-R-12	1114121033	XXX25535	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0563]	mg/kg	9.0	JTE	1114121
11PH-SS075-R-12	1114121033	XXX25535	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0563]	mg/kg	9.0	JTE	1114121
11PH-SS075-R-12	1114121033	XXX25535	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0563]	mg/kg	9.0	JTE	1114121
11PH-SS075-R-12	1114121033	XXX25535	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0563]	mg/kg	9.0	JTE	1114121
11PH-SS075-R-12	1114121033	XXX25535	SW8082A	PCB-1260 (Aroclor 1260)	0.13	mg/kg	9.0	JTE	1114121
11PH-SS076-L-6	1114121035	XXX25535	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0549]	mg/kg	9.0	JTE	1114121
11PH-SS076-L-6	1114121035	XXX25535	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0549]	mg/kg	9.0	JTE	1114121
11PH-SS076-L-6	1114121035	XXX25535	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0549]	mg/kg	9.0	JTE	1114121
11PH-SS076-L-6	1114121035	XXX25535	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0549]	mg/kg	9.0	JTE	1114121
11PH-SS076-L-6	1114121035	XXX25535	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0549]	mg/kg	9.0	JTE	1114121
11PH-SS076-L-6	1114121035	XXX25535	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0549]	mg/kg	9.0	JTE	1114121
11PH-SS076-L-6	1114121035	XXX25535	SW8082A	PCB-1260 (Aroclor 1260)	0.166	mg/kg	9.0	JTE	1114121
11PH-SS076X-L-6	1114121057	XXX25537	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0559]	mg/kg	9.0	JTE	1114121
11PH-SS076X-L-6	1114121057	XXX25537	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0559]	mg/kg	9.0	JTE	1114121
11PH-SS076X-L-6	1114121057	XXX25537	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0559]	mg/kg	9.0	JTE	1114121
11PH-SS076X-L-6	1114121057	XXX25537	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0559]	mg/kg	9.0	JTE	1114121
11PH-SS076X-L-6	1114121057	XXX25537	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0559]	mg/kg	9.0	JTE	1114121
11PH-SS076X-L-6	1114121057	XXX25537	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0559]	mg/kg	9.0	JTE	1114121
11PH-SS076X-L-6	1114121057	XXX25537	SW8082A	PCB-1260 (Aroclor 1260)	0.171	mg/kg	9.0	JTE	1114121
11PH-SS076-L-12	1114121036	XXX25535	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0555]	mg/kg	9.0	JTE	1114121

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances (Continued)

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS076-L-12	1114121036	XXX25535	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0555]	mg/kg	9.0	JTE	1114121
11PH-SS076-L-12	1114121036	XXX25535	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0555]	mg/kg	9.0	JTE	1114121
11PH-SS076-L-12	1114121036	XXX25535	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0555]	mg/kg	9.0	JTE	1114121
11PH-SS076-L-12	1114121036	XXX25535	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0555]	mg/kg	9.0	JTE	1114121
11PH-SS076-L-12	1114121036	XXX25535	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0555]	mg/kg	9.0	JTE	1114121
11PH-SS076-L-12	1114121036	XXX25535	SW8082A	PCB-1260 (Aroclor 1260)	0.0444	mg/kg	9.0	J, JTE	1114121
11PH-SS076-R-6	1114121037	XXX25535	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0566]	mg/kg	9.0	JTE	1114121
11PH-SS076-R-6	1114121037	XXX25535	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0566]	mg/kg	9.0	JTE	1114121
11PH-SS076-R-6	1114121037	XXX25535	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0566]	mg/kg	9.0	JTE	1114121
11PH-SS076-R-6	1114121037	XXX25535	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0566]	mg/kg	9.0	JTE	1114121
11PH-SS076-R-6	1114121037	XXX25535	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0566]	mg/kg	9.0	JTE	1114121
11PH-SS076-R-6	1114121037	XXX25535	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0566]	mg/kg	9.0	JTE	1114121
11PH-SS076-R-6	1114121037	XXX25535	SW8082A	PCB-1260 (Aroclor 1260)	0.151	mg/kg	9.0	JTE	1114121
11PH-SS076-R-12	1114121038	XXX25537	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0585]	mg/kg	9.0	JTE	1114121
11PH-SS076-R-12	1114121038	XXX25537	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0585]	mg/kg	9.0	JTE	1114121
11PH-SS076-R-12	1114121038	XXX25537	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0585]	mg/kg	9.0	JTE	1114121
11PH-SS076-R-12	1114121038	XXX25537	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0585]	mg/kg	9.0	JTE	1114121
11PH-SS076-R-12	1114121038	XXX25537	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0585]	mg/kg	9.0	JTE	1114121
11PH-SS076-R-12	1114121038	XXX25537	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0585]	mg/kg	9.0	JTE	1114121
11PH-SS076-R-12	1114121038	XXX25537	SW8082A	PCB-1260 (Aroclor 1260)	0.0598	mg/kg	9.0	JTE	1114121
11PH-SS077-L-6	1114121039	XXX25537	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0556]	mg/kg	9.0	JTE	1114121
11PH-SS077-L-6	1114121039	XXX25537	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0556]	mg/kg	9.0	JTE	1114121
11PH-SS077-L-6	1114121039	XXX25537	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0556]	mg/kg	9.0	JTE	1114121
11PH-SS077-L-6	1114121039	XXX25537	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0556]	mg/kg	9.0	JTE	1114121
11PH-SS077-L-6	1114121039	XXX25537	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0556]	mg/kg	9.0	JTE	1114121

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances (Continued)

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS077-L-6	1114121039	XXX25537	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0556]	mg/kg	9.0	JTE	1114121
11PH-SS077-L-6	1114121039	XXX25537	SW8082A	PCB-1260 (Aroclor 1260)	0.183	mg/kg	9.0	JTE	1114121
11PH-SS077-L-12	1114121040	XXX25537	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0568]	mg/kg	9.0	JTE	1114121
11PH-SS077-L-12	1114121040	XXX25537	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0568]	mg/kg	9.0	JTE	1114121
11PH-SS077-L-12	1114121040	XXX25537	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0568]	mg/kg	9.0	JTE	1114121
11PH-SS077-L-12	1114121040	XXX25537	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0568]	mg/kg	9.0	JTE	1114121
11PH-SS077-L-12	1114121040	XXX25537	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0568]	mg/kg	9.0	JTE	1114121
11PH-SS077-L-12	1114121040	XXX25537	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0568]	mg/kg	9.0	JTE	1114121
11PH-SS077-L-12	1114121040	XXX25537	SW8082A	PCB-1260 (Aroclor 1260)	0.058	mg/kg	9.0	JTE	1114121
11PH-SS077-R-6	1114121041	XXX25537	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0588]	mg/kg	9.0	JTE	1114121
11PH-SS077-R-6	1114121041	XXX25537	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0588]	mg/kg	9.0	JTE	1114121
11PH-SS077-R-6	1114121041	XXX25537	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0588]	mg/kg	9.0	JTE	1114121
11PH-SS077-R-6	1114121041	XXX25537	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0588]	mg/kg	9.0	JTE	1114121
11PH-SS077-R-6	1114121041	XXX25537	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0588]	mg/kg	9.0	JTE	1114121
11PH-SS077-R-6	1114121041	XXX25537	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0588]	mg/kg	9.0	JTE	1114121
11PH-SS077-R-6	1114121041	XXX25537	SW8082A	PCB-1260 (Aroclor 1260)	0.17	mg/kg	9.0	JTE	1114121
11PH-SS077-R-12	1114121044	XXX25537	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0629]	mg/kg	9.0	JTE	1114121
11PH-SS077-R-12	1114121044	XXX25537	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0629]	mg/kg	9.0	JTE	1114121
11PH-SS077-R-12	1114121044	XXX25537	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0629]	mg/kg	9.0	JTE	1114121
11PH-SS077-R-12	1114121044	XXX25537	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0629]	mg/kg	9.0	JTE	1114121
11PH-SS077-R-12	1114121044	XXX25537	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0629]	mg/kg	9.0	JTE	1114121
11PH-SS077-R-12	1114121044	XXX25537	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0629]	mg/kg	9.0	JTE	1114121
11PH-SS077-R-12	1114121044	XXX25537	SW8082A	PCB-1260 (Aroclor 1260)	0.0643	mg/kg	9.0	JTE	1114121
11PH-SS078-L-6	1114121045	XXX25537	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0547]	mg/kg	9.0	JTE	1114121
11PH-SS078-L-6	1114121045	XXX25537	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0547]	mg/kg	9.0	JTE	1114121

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances (Continued)

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS078-L-6	1114121045	XXX25537	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0547]	mg/kg	9.0	JTE	1114121
11PH-SS078-L-6	1114121045	XXX25537	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0547]	mg/kg	9.0	JTE	1114121
11PH-SS078-L-6	1114121045	XXX25537	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0547]	mg/kg	9.0	JTE	1114121
11PH-SS078-L-6	1114121045	XXX25537	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0547]	mg/kg	9.0	JTE	1114121
11PH-SS078-L-6	1114121045	XXX25537	SW8082A	PCB-1260 (Aroclor 1260)	0.221	mg/kg	9.0	JTE	1114121
11PH-SS078-L-12	1114121046	XXX25537	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0553]	mg/kg	9.0	JTE	1114121
11PH-SS078-L-12	1114121046	XXX25537	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0553]	mg/kg	9.0	JTE	1114121
11PH-SS078-L-12	1114121046	XXX25537	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0553]	mg/kg	9.0	JTE	1114121
11PH-SS078-L-12	1114121046	XXX25537	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0553]	mg/kg	9.0	JTE	1114121
11PH-SS078-L-12	1114121046	XXX25537	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0553]	mg/kg	9.0	JTE	1114121
11PH-SS078-L-12	1114121046	XXX25537	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0553]	mg/kg	9.0	JTE	1114121
11PH-SS078-L-12	1114121046	XXX25537	SW8082A	PCB-1260 (Aroclor 1260)	0.0934	mg/kg	9.0	JTE	1114121
11PH-SS078-R-12	1114121048	XXX25537	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0621]	mg/kg	9.0	JTE	1114121
11PH-SS078-R-12	1114121048	XXX25537	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0621]	mg/kg	9.0	JTE	1114121
11PH-SS078-R-12	1114121048	XXX25537	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0621]	mg/kg	9.0	JTE	1114121
11PH-SS078-R-12	1114121048	XXX25537	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0621]	mg/kg	9.0	JTE	1114121
11PH-SS078-R-12	1114121048	XXX25537	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0621]	mg/kg	9.0	JTE	1114121
11PH-SS078-R-12	1114121048	XXX25537	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0621]	mg/kg	9.0	JTE	1114121
11PH-SS078-R-12	1114121048	XXX25537	SW8082A	PCB-1260 (Aroclor 1260)	0.19	mg/kg	9.0	JTE	1114121
11PH-SS078-R-6	1114121047	XXX25537	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0585]	mg/kg	9.0	JTE	1114121
11PH-SS078-R-6	1114121047	XXX25537	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0585]	mg/kg	9.0	JTE	1114121
11PH-SS078-R-6	1114121047	XXX25537	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0585]	mg/kg	9.0	JTE	1114121
11PH-SS078-R-6	1114121047	XXX25537	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0585]	mg/kg	9.0	JTE	1114121
11PH-SS078-R-6	1114121047	XXX25537	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0585]	mg/kg	9.0	JTE	1114121
11PH-SS078-R-6	1114121047	XXX25537	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0585]	mg/kg	9.0	JTE	1114121

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances (Continued)

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS078-R-6	1114121047	XXX25537	SW8082A	PCB-1260 (Aroclor 1260)	0.166	mg/kg	9.0	JTE	1114121
11PH-SS079-L-6	1114121049	XXX25537	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0549]	mg/kg	9.0	JTE	1114121
11PH-SS079-L-6	1114121049	XXX25537	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0549]	mg/kg	9.0	JTE	1114121
11PH-SS079-L-6	1114121049	XXX25537	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0549]	mg/kg	9.0	JTE	1114121
11PH-SS079-L-6	1114121049	XXX25537	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0549]	mg/kg	9.0	JTE	1114121
11PH-SS079-L-6	1114121049	XXX25537	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0549]	mg/kg	9.0	JTE	1114121
11PH-SS079-L-6	1114121049	XXX25537	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0549]	mg/kg	9.0	JTE	1114121
11PH-SS079-L-6	1114121049	XXX25537	SW8082A	PCB-1260 (Aroclor 1260)	0.254	mg/kg	9.0	JTE	1114121
11PH-SS079-L-12	1114121050	XXX25537	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0553]	mg/kg	9.0	JTE	1114121
11PH-SS079-L-12	1114121050	XXX25537	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0553]	mg/kg	9.0	JTE	1114121
11PH-SS079-L-12	1114121050	XXX25537	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0553]	mg/kg	9.0	JTE	1114121
11PH-SS079-L-12	1114121050	XXX25537	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0553]	mg/kg	9.0	JTE	1114121
11PH-SS079-L-12	1114121050	XXX25537	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0553]	mg/kg	9.0	JTE	1114121
11PH-SS079-L-12	1114121050	XXX25537	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0553]	mg/kg	9.0	JTE	1114121
11PH-SS079-L-12	1114121050	XXX25537	SW8082A	PCB-1260 (Aroclor 1260)	0.0934	mg/kg	9.0	JTE	1114121
11PH-SS079-R-6	1114121051	XXX25537	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0597]	mg/kg	9.0	JTE	1114121
11PH-SS079-R-6	1114121051	XXX25537	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0597]	mg/kg	9.0	JTE	1114121
11PH-SS079-R-6	1114121051	XXX25537	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0597]	mg/kg	9.0	JTE	1114121
11PH-SS079-R-6	1114121051	XXX25537	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0597]	mg/kg	9.0	JTE	1114121
11PH-SS079-R-6	1114121051	XXX25537	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0597]	mg/kg	9.0	JTE	1114121
11PH-SS079-R-6	1114121051	XXX25537	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0597]	mg/kg	9.0	JTE	1114121
11PH-SS079-R-6	1114121051	XXX25537	SW8082A	PCB-1260 (Aroclor 1260)	0.122	mg/kg	9.0	JTE	1114121
11PH-SS079-R-12	1114121052	XXX25537	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.063]	mg/kg	9.0	JTE	1114121
11PH-SS079-R-12	1114121052	XXX25537	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.063]	mg/kg	9.0	JTE	1114121
11PH-SS079-R-12	1114121052	XXX25537	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.063]	mg/kg	9.0	JTE	1114121

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances (Continued)

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS079-R-12	1114121052	XXX25537	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.063]	mg/kg	9.0	JTE	1114121
11PH-SS079-R-12	1114121052	XXX25537	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.063]	mg/kg	9.0	JTE	1114121
11PH-SS079-R-12	1114121052	XXX25537	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.063]	mg/kg	9.0	JTE	1114121
11PH-SS079-R-12	1114121052	XXX25537	SW8082A	PCB-1260 (Aroclor 1260)	0.131	mg/kg	9.0	JTE	1114121
11PH-SS080-L-6	1114121053	XXX25537	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0579]	mg/kg	9.0	JTE	1114121
11PH-SS080-L-6	1114121053	XXX25537	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0579]	mg/kg	9.0	JTE	1114121
11PH-SS080-L-6	1114121053	XXX25537	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0579]	mg/kg	9.0	JTE	1114121
11PH-SS080-L-6	1114121053	XXX25537	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0579]	mg/kg	9.0	JTE	1114121
11PH-SS080-L-6	1114121053	XXX25537	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0579]	mg/kg	9.0	JTE	1114121
11PH-SS080-L-6	1114121053	XXX25537	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0579]	mg/kg	9.0	JTE	1114121
11PH-SS080-L-6	1114121053	XXX25537	SW8082A	PCB-1260 (Aroclor 1260)	0.273	mg/kg	9.0	JTE	1114121
11PH-SS080-L-12	1114121054	XXX25537	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0567]	mg/kg	9.0	JTE	1114121
11PH-SS080-L-12	1114121054	XXX25537	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0567]	mg/kg	9.0	JTE	1114121
11PH-SS080-L-12	1114121054	XXX25537	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0567]	mg/kg	9.0	JTE	1114121
11PH-SS080-L-12	1114121054	XXX25537	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0567]	mg/kg	9.0	JTE	1114121
11PH-SS080-L-12	1114121054	XXX25537	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0567]	mg/kg	9.0	JTE	1114121
11PH-SS080-L-12	1114121054	XXX25537	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0567]	mg/kg	9.0	JTE	1114121
11PH-SS080-L-12	1114121054	XXX25537	SW8082A	PCB-1260 (Aroclor 1260)	0.353	mg/kg	9.0	JTE	1114121
11PH-SS080-R-6	1114121055	XXX25539	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0594]	mg/kg	9.0	JTE	1114121
11PH-SS080-R-6	1114121055	XXX25539	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0594]	mg/kg	9.0	JTE	1114121
11PH-SS080-R-6	1114121055	XXX25539	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0594]	mg/kg	9.0	JTE	1114121
11PH-SS080-R-6	1114121055	XXX25539	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0594]	mg/kg	9.0	JTE	1114121
11PH-SS080-R-6	1114121055	XXX25539	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0594]	mg/kg	9.0	JTE	1114121
11PH-SS080-R-6	1114121055	XXX25539	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0594]	mg/kg	9.0	JTE	1114121
11PH-SS080-R-6	1114121055	XXX25539	SW8082A	PCB-1260 (Aroclor 1260)	0.161	mg/kg	9.0	JTE	1114121

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances (Continued)

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS080-R-12	1114121056	XXX25537	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0562]	mg/kg	9.0	JTE	1114121
11PH-SS080-R-12	1114121056	XXX25537	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0562]	mg/kg	9.0	JTE	1114121
11PH-SS080-R-12	1114121056	XXX25537	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0562]	mg/kg	9.0	JTE	1114121
11PH-SS080-R-12	1114121056	XXX25537	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0562]	mg/kg	9.0	JTE	1114121
11PH-SS080-R-12	1114121056	XXX25537	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0562]	mg/kg	9.0	JTE	1114121
11PH-SS080-R-12	1114121056	XXX25537	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0562]	mg/kg	9.0	JTE	1114121
11PH-SS080-R-12	1114121056	XXX25537	SW8082A	PCB-1260 (Aroclor 1260)	0.0925	mg/kg	9.0	JTE	1114121
11PH-SS081-L-6	1114121058	XXX25537	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0551]	mg/kg	9.0	JTE	1114121
11PH-SS081-L-6	1114121058	XXX25537	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0551]	mg/kg	9.0	JTE	1114121
11PH-SS081-L-6	1114121058	XXX25537	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0551]	mg/kg	9.0	JTE	1114121
11PH-SS081-L-6	1114121058	XXX25537	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0551]	mg/kg	9.0	JTE	1114121
11PH-SS081-L-6	1114121058	XXX25537	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0551]	mg/kg	9.0	JTE	1114121
11PH-SS081-L-6	1114121058	XXX25537	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0551]	mg/kg	9.0	JTE	1114121
11PH-SS081-L-6	1114121058	XXX25537	SW8082A	PCB-1260 (Aroclor 1260)	0.529	mg/kg	9.0	JTE	1114121
11PH-SS081-L-12	1114121059	XXX25537	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0565]	mg/kg	9.0	JTE	1114121
11PH-SS081-L-12	1114121059	XXX25537	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0565]	mg/kg	9.0	JTE	1114121
11PH-SS081-L-12	1114121059	XXX25537	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0565]	mg/kg	9.0	JTE	1114121
11PH-SS081-L-12	1114121059	XXX25537	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0565]	mg/kg	9.0	JTE	1114121
11PH-SS081-L-12	1114121059	XXX25537	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0565]	mg/kg	9.0	JTE	1114121
11PH-SS081-L-12	1114121059	XXX25537	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0565]	mg/kg	9.0	JTE	1114121
11PH-SS081-L-12	1114121059	XXX25537	SW8082A	PCB-1260 (Aroclor 1260)	0.0829	mg/kg	9.0	JTE	1114121
11PH-SS081-R-6	1114121060	XXX25537	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0563]	mg/kg	9.0	JTE	1114121
11PH-SS081-R-6	1114121060	XXX25537	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0563]	mg/kg	9.0	JTE	1114121
11PH-SS081-R-6	1114121060	XXX25537	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0563]	mg/kg	9.0	JTE	1114121
11PH-SS081-R-6	1114121060	XXX25537	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0563]	mg/kg	9.0	JTE	1114121

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances (Continued)

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS081-R-6	1114121060	XXX25537	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0563]	mg/kg	9.0	JTE	1114121
11PH-SS081-R-6	1114121060	XXX25537	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0563]	mg/kg	9.0	JTE	1114121
11PH-SS081-R-6	1114121060	XXX25537	SW8082A	PCB-1260 (Aroclor 1260)	0.273	mg/kg	9.0	JTE	1114121
11PH-SS081-R-12	1114121061	XXX25539	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0581]	mg/kg	9.0	JTE	1114121
11PH-SS081-R-12	1114121061	XXX25539	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0581]	mg/kg	9.0	JTE	1114121
11PH-SS081-R-12	1114121061	XXX25539	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0581]	mg/kg	9.0	JTE	1114121
11PH-SS081-R-12	1114121061	XXX25539	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0581]	mg/kg	9.0	JTE	1114121
11PH-SS081-R-12	1114121061	XXX25539	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0581]	mg/kg	9.0	JTE	1114121
11PH-SS081-R-12	1114121061	XXX25539	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0581]	mg/kg	9.0	JTE	1114121
11PH-SS081-R-12	1114121061	XXX25539	SW8082A	PCB-1260 (Aroclor 1260)	0.111	mg/kg	9.0	JTE	1114121
11PH-SS082-L-6	1114121064	XXX25539	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0553]	mg/kg	9.0	JTE	1114121
11PH-SS082-L-6	1114121064	XXX25539	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0553]	mg/kg	9.0	JTE	1114121
11PH-SS082-L-6	1114121064	XXX25539	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0553]	mg/kg	9.0	JTE	1114121
11PH-SS082-L-6	1114121064	XXX25539	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0553]	mg/kg	9.0	JTE	1114121
11PH-SS082-L-6	1114121064	XXX25539	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0553]	mg/kg	9.0	JTE	1114121
11PH-SS082-L-6	1114121064	XXX25539	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0553]	mg/kg	9.0	JTE	1114121
11PH-SS082-L-6	1114121064	XXX25539	SW8082A	PCB-1260 (Aroclor 1260)	0.31	mg/kg	9.0	JTE	1114121
11PH-SS082-L-12	1114121065	XXX25539	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0568]	mg/kg	9.0	JTE	1114121
11PH-SS082-L-12	1114121065	XXX25539	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0568]	mg/kg	9.0	JTE	1114121
11PH-SS082-L-12	1114121065	XXX25539	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0568]	mg/kg	9.0	JTE	1114121
11PH-SS082-L-12	1114121065	XXX25539	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0568]	mg/kg	9.0	JTE	1114121
11PH-SS082-L-12	1114121065	XXX25539	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0568]	mg/kg	9.0	JTE	1114121
11PH-SS082-L-12	1114121065	XXX25539	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0568]	mg/kg	9.0	JTE	1114121
11PH-SS082-L-12	1114121065	XXX25539	SW8082A	PCB-1260 (Aroclor 1260)	0.124	mg/kg	9.0	JTE	1114121
11PH-SS082X-L-12	1114121080	XXX25539	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0564]	mg/kg	8.9	JTE	1114121

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances (Continued)

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS082X-L-12	1114121080	XXX25539	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0564]	mg/kg	8.9	JTE	1114121
11PH-SS082X-L-12	1114121080	XXX25539	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0564]	mg/kg	8.9	JTE	1114121
11PH-SS082X-L-12	1114121080	XXX25539	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0564]	mg/kg	8.9	JTE	1114121
11PH-SS082X-L-12	1114121080	XXX25539	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0564]	mg/kg	8.9	JTE	1114121
11PH-SS082X-L-12	1114121080	XXX25539	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0564]	mg/kg	8.9	JTE	1114121
11PH-SS082X-L-12	1114121080	XXX25539	SW8082A	PCB-1260 (Aroclor 1260)	0.12	mg/kg	8.9	JTE	1114121
11PH-SS082-R-6	1114121066	XXX25539	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0557]	mg/kg	9.0	JTE	1114121
11PH-SS082-R-6	1114121066	XXX25539	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0557]	mg/kg	9.0	JTE	1114121
11PH-SS082-R-6	1114121066	XXX25539	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0557]	mg/kg	9.0	JTE	1114121
11PH-SS082-R-6	1114121066	XXX25539	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0557]	mg/kg	9.0	JTE	1114121
11PH-SS082-R-6	1114121066	XXX25539	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0557]	mg/kg	9.0	JTE	1114121
11PH-SS082-R-6	1114121066	XXX25539	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0557]	mg/kg	9.0	JTE	1114121
11PH-SS082-R-6	1114121066	XXX25539	SW8082A	PCB-1260 (Aroclor 1260)	0.173	mg/kg	9.0	JTE	1114121
11PH-SS082-R-12	1114121067	XXX25539	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0583]	mg/kg	9.0	JTE	1114121
11PH-SS082-R-12	1114121067	XXX25539	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0583]	mg/kg	9.0	JTE	1114121
11PH-SS082-R-12	1114121067	XXX25539	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0583]	mg/kg	9.0	JTE	1114121
11PH-SS082-R-12	1114121067	XXX25539	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0583]	mg/kg	9.0	JTE	1114121
11PH-SS082-R-12	1114121067	XXX25539	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0583]	mg/kg	9.0	JTE	1114121
11PH-SS082-R-12	1114121067	XXX25539	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0583]	mg/kg	9.0	JTE	1114121
11PH-SS082-R-12	1114121067	XXX25539	SW8082A	PCB-1260 (Aroclor 1260)	0.114	mg/kg	9.0	JTE	1114121
11PH-SS083-L-6	1114121068	XXX25539	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0551]	mg/kg	9.0	JTE	1114121
11PH-SS083-L-6	1114121068	XXX25539	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0551]	mg/kg	9.0	JTE	1114121
11PH-SS083-L-6	1114121068	XXX25539	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0551]	mg/kg	9.0	JTE	1114121
11PH-SS083-L-6	1114121068	XXX25539	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0551]	mg/kg	9.0	JTE	1114121
11PH-SS083-L-6	1114121068	XXX25539	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0551]	mg/kg	9.0	JTE	1114121

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances (Continued)

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS083-L-6	1114121068	XXX25539	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0551]	mg/kg	9.0	JTE	1114121
11PH-SS083-L-6	1114121068	XXX25539	SW8082A	PCB-1260 (Aroclor 1260)	0.641	mg/kg	9.0	JTE	1114121
11PH-SS083-L-12	1114121069	XXX25539	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0583]	mg/kg	9.0	JTE	1114121
11PH-SS083-L-12	1114121069	XXX25539	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0583]	mg/kg	9.0	JTE	1114121
11PH-SS083-L-12	1114121069	XXX25539	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0583]	mg/kg	9.0	JTE	1114121
11PH-SS083-L-12	1114121069	XXX25539	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0583]	mg/kg	9.0	JTE	1114121
11PH-SS083-L-12	1114121069	XXX25539	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0583]	mg/kg	9.0	JTE	1114121
11PH-SS083-L-12	1114121069	XXX25539	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0583]	mg/kg	9.0	JTE	1114121
11PH-SS083-L-12	1114121069	XXX25539	SW8082A	PCB-1260 (Aroclor 1260)	0.169	mg/kg	9.0	JTE	1114121
11PH-SS083-R-6	1114121070	XXX25539	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0573]	mg/kg	9.0	JTE	1114121
11PH-SS083-R-6	1114121070	XXX25539	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0573]	mg/kg	9.0	JTE	1114121
11PH-SS083-R-6	1114121070	XXX25539	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0573]	mg/kg	9.0	JTE	1114121
11PH-SS083-R-6	1114121070	XXX25539	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0573]	mg/kg	9.0	JTE	1114121
11PH-SS083-R-6	1114121070	XXX25539	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0573]	mg/kg	9.0	JTE	1114121
11PH-SS083-R-6	1114121070	XXX25539	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0573]	mg/kg	9.0	JTE	1114121
11PH-SS083-R-6	1114121070	XXX25539	SW8082A	PCB-1260 (Aroclor 1260)	0.298	mg/kg	9.0	JTE	1114121
11PH-SS083-R-12	1114121071	XXX25539	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0605]	mg/kg	9.0	JTE	1114121
11PH-SS083-R-12	1114121071	XXX25539	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0605]	mg/kg	9.0	JTE	1114121
11PH-SS083-R-12	1114121071	XXX25539	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0605]	mg/kg	9.0	JTE	1114121
11PH-SS083-R-12	1114121071	XXX25539	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0605]	mg/kg	9.0	JTE	1114121
11PH-SS083-R-12	1114121071	XXX25539	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0605]	mg/kg	9.0	JTE	1114121
11PH-SS083-R-12	1114121071	XXX25539	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0605]	mg/kg	9.0	JTE	1114121
11PH-SS083-R-12	1114121071	XXX25539	SW8082A	PCB-1260 (Aroclor 1260)	0.113	mg/kg	9.0	JTE	1114121
11PH-SS084-L-6	1114121072	XXX25539	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.054]	mg/kg	9.0	JTE	1114121
11PH-SS084-L-6	1114121072	XXX25539	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.054]	mg/kg	9.0	JTE	1114121

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances (Continued)

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS084-L-6	1114121072	XXX25539	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.054]	mg/kg	9.0	JTE	1114121
11PH-SS084-L-6	1114121072	XXX25539	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.054]	mg/kg	9.0	JTE	1114121
11PH-SS084-L-6	1114121072	XXX25539	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.054]	mg/kg	9.0	JTE	1114121
11PH-SS084-L-6	1114121072	XXX25539	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.054]	mg/kg	9.0	JTE	1114121
11PH-SS084-L-6	1114121072	XXX25539	SW8082A	PCB-1260 (Aroclor 1260)	0.389	mg/kg	9.0	JTE	1114121
11PH-SS084-L-12	1114121073	XXX25539	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0577]	mg/kg	9.0	JTE	1114121
11PH-SS084-L-12	1114121073	XXX25539	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0577]	mg/kg	9.0	JTE	1114121
11PH-SS084-L-12	1114121073	XXX25539	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0577]	mg/kg	9.0	JTE	1114121
11PH-SS084-L-12	1114121073	XXX25539	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0577]	mg/kg	9.0	JTE	1114121
11PH-SS084-L-12	1114121073	XXX25539	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0577]	mg/kg	9.0	JTE	1114121
11PH-SS084-L-12	1114121073	XXX25539	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0577]	mg/kg	9.0	JTE	1114121
11PH-SS084-L-12	1114121073	XXX25539	SW8082A	PCB-1260 (Aroclor 1260)	0.108	mg/kg	9.0	JTE	1114121
11PH-SS084-R-6	1114121074	XXX25539	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0554]	mg/kg	9.0	JTE	1114121
11PH-SS084-R-6	1114121074	XXX25539	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0554]	mg/kg	9.0	JTE	1114121
11PH-SS084-R-6	1114121074	XXX25539	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0554]	mg/kg	9.0	JTE	1114121
11PH-SS084-R-6	1114121074	XXX25539	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0554]	mg/kg	9.0	JTE	1114121
11PH-SS084-R-6	1114121074	XXX25539	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0554]	mg/kg	9.0	JTE	1114121
11PH-SS084-R-6	1114121074	XXX25539	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0554]	mg/kg	9.0	JTE	1114121
11PH-SS084-R-6	1114121074	XXX25539	SW8082A	PCB-1260 (Aroclor 1260)	0.502	mg/kg	9.0	JTE	1114121
11PH-SS084-R-12	1114121075	XXX25539	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0581]	mg/kg	9.0	JTE	1114121
11PH-SS084-R-12	1114121075	XXX25539	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0581]	mg/kg	9.0	JTE	1114121
11PH-SS084-R-12	1114121075	XXX25539	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0581]	mg/kg	9.0	JTE	1114121
11PH-SS084-R-12	1114121075	XXX25539	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0581]	mg/kg	9.0	JTE	1114121
11PH-SS084-R-12	1114121075	XXX25539	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0581]	mg/kg	9.0	JTE	1114121
11PH-SS084-R-12	1114121075	XXX25539	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0581]	mg/kg	9.0	JTE	1114121

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances (Continued)

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS084-R-12	1114121075	XXX25539	SW8082A	PCB-1260 (Aroclor 1260)	0.297	mg/kg	9.0	JTE	1114121
11PH-SS085-L-6	1114121076	XXX25539	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0549]	mg/kg	9.0	JTE	1114121
11PH-SS085-L-6	1114121076	XXX25539	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0549]	mg/kg	9.0	JTE	1114121
11PH-SS085-L-6	1114121076	XXX25539	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0549]	mg/kg	9.0	JTE	1114121
11PH-SS085-L-6	1114121076	XXX25539	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0549]	mg/kg	9.0	JTE	1114121
11PH-SS085-L-6	1114121076	XXX25539	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0549]	mg/kg	9.0	JTE	1114121
11PH-SS085-L-6	1114121076	XXX25539	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0549]	mg/kg	9.0	JTE	1114121
11PH-SS085-L-6	1114121076	XXX25539	SW8082A	PCB-1260 (Aroclor 1260)	0.466	mg/kg	9.0	JTE	1114121
11PH-SS085-L-12	1114121077	XXX25539	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0584]	mg/kg	9.0	JTE	1114121
11PH-SS085-L-12	1114121077	XXX25539	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0584]	mg/kg	9.0	JTE	1114121
11PH-SS085-L-12	1114121077	XXX25539	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0584]	mg/kg	9.0	JTE	1114121
11PH-SS085-L-12	1114121077	XXX25539	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0584]	mg/kg	9.0	JTE	1114121
11PH-SS085-L-12	1114121077	XXX25539	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0584]	mg/kg	9.0	JTE	1114121
11PH-SS085-L-12	1114121077	XXX25539	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0584]	mg/kg	9.0	JTE	1114121
11PH-SS085-L-12	1114121077	XXX25539	SW8082A	PCB-1260 (Aroclor 1260)	0.272	mg/kg	9.0	JTE	1114121
11PH-SS085-R-6	1114121078	XXX25539	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0565]	mg/kg	9.0	JTE	1114121
11PH-SS085-R-6	1114121078	XXX25539	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0565]	mg/kg	9.0	JTE	1114121
11PH-SS085-R-6	1114121078	XXX25539	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0565]	mg/kg	9.0	JTE	1114121
11PH-SS085-R-6	1114121078	XXX25539	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0565]	mg/kg	9.0	JTE	1114121
11PH-SS085-R-6	1114121078	XXX25539	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0565]	mg/kg	9.0	JTE	1114121
11PH-SS085-R-6	1114121078	XXX25539	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0565]	mg/kg	9.0	JTE	1114121
11PH-SS085-R-6	1114121078	XXX25539	SW8082A	PCB-1260 (Aroclor 1260)	0.339	mg/kg	9.0	JTE	1114121
11PH-SS085-R-12	1114121079	XXX25539	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0581]	mg/kg	9.0	JTE	1114121
11PH-SS085-R-12	1114121079	XXX25539	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0581]	mg/kg	9.0	JTE	1114121
11PH-SS085-R-12	1114121079	XXX25539	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0581]	mg/kg	9.0	JTE	1114121

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances (Continued)

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS085-R-12	1114121079	XXX25539	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0581]	mg/kg	9.0	JTE	1114121
11PH-SS085-R-12	1114121079	XXX25539	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0581]	mg/kg	9.0	JTE	1114121
11PH-SS085-R-12	1114121079	XXX25539	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0581]	mg/kg	9.0	JTE	1114121
11PH-SS085-R-12	1114121079	XXX25539	SW8082A	PCB-1260 (Aroclor 1260)	0.429	mg/kg	9.0	JTE	1114121
11PH-SS086-L-6	1114121081	XXX25541	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0547]	mg/kg	8.9	JTE	1114121
11PH-SS086-L-6	1114121081	XXX25541	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0547]	mg/kg	8.9	JTE	1114121
11PH-SS086-L-6	1114121081	XXX25541	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0547]	mg/kg	8.9	JTE	1114121
11PH-SS086-L-6	1114121081	XXX25541	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0547]	mg/kg	8.9	JTE	1114121
11PH-SS086-L-6	1114121081	XXX25541	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0547]	mg/kg	8.9	JTE	1114121
11PH-SS086-L-6	1114121081	XXX25541	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0547]	mg/kg	8.9	JTE	1114121
11PH-SS086-L-6	1114121081	XXX25541	SW8082A	PCB-1260 (Aroclor 1260)	0.671	mg/kg	8.9	JTE	1114121
11PH-SS086-L-12	1114121084	XXX25539	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0577]	mg/kg	8.9	JTE	1114121
11PH-SS086-L-12	1114121084	XXX25539	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0577]	mg/kg	8.9	JTE	1114121
11PH-SS086-L-12	1114121084	XXX25539	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0577]	mg/kg	8.9	JTE	1114121
11PH-SS086-L-12	1114121084	XXX25539	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0577]	mg/kg	8.9	JTE	1114121
11PH-SS086-L-12	1114121084	XXX25539	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0577]	mg/kg	8.9	JTE	1114121
11PH-SS086-L-12	1114121084	XXX25539	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0577]	mg/kg	8.9	JTE	1114121
11PH-SS086-L-12	1114121084	XXX25539	SW8082A	PCB-1260 (Aroclor 1260)	0.313	mg/kg	8.9	JTE	1114121
11PH-SS086-R-6	1114121085	XXX25541	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0556]	mg/kg	8.9	JTE	1114121
11PH-SS086-R-6	1114121085	XXX25541	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0556]	mg/kg	8.9	JTE	1114121
11PH-SS086-R-6	1114121085	XXX25541	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0556]	mg/kg	8.9	JTE	1114121
11PH-SS086-R-6	1114121085	XXX25541	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0556]	mg/kg	8.9	JTE	1114121
11PH-SS086-R-6	1114121085	XXX25541	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0556]	mg/kg	8.9	JTE	1114121
11PH-SS086-R-6	1114121085	XXX25541	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0556]	mg/kg	8.9	JTE	1114121
11PH-SS086-R-6	1114121085	XXX25541	SW8082A	PCB-1260 (Aroclor 1260)	0.438	mg/kg	8.9	JTE	1114121

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances (Continued)

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS086-R-12	1114121086	XXX25541	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0579]	mg/kg	8.9	JTE	1114121
11PH-SS086-R-12	1114121086	XXX25541	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0579]	mg/kg	8.9	JTE	1114121
11PH-SS086-R-12	1114121086	XXX25541	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0579]	mg/kg	8.9	JTE	1114121
11PH-SS086-R-12	1114121086	XXX25541	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0579]	mg/kg	8.9	JTE	1114121
11PH-SS086-R-12	1114121086	XXX25541	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0579]	mg/kg	8.9	JTE	1114121
11PH-SS086-R-12	1114121086	XXX25541	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0579]	mg/kg	8.9	JTE	1114121
11PH-SS086-R-12	1114121086	XXX25541	SW8082A	PCB-1260 (Aroclor 1260)	0.378	mg/kg	8.9	JTE	1114121
11PH-SS087-L-6	1114121087	XXX25541	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0553]	mg/kg	8.9	JTE	1114121
11PH-SS087-L-6	1114121087	XXX25541	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0553]	mg/kg	8.9	JTE	1114121
11PH-SS087-L-6	1114121087	XXX25541	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0553]	mg/kg	8.9	JTE	1114121
11PH-SS087-L-6	1114121087	XXX25541	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0553]	mg/kg	8.9	JTE	1114121
11PH-SS087-L-6	1114121087	XXX25541	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0553]	mg/kg	8.9	JTE	1114121
11PH-SS087-L-6	1114121087	XXX25541	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0553]	mg/kg	8.9	JTE	1114121
11PH-SS087-L-6	1114121087	XXX25541	SW8082A	PCB-1260 (Aroclor 1260)	0.494	mg/kg	8.9	JTE	1114121
11PH-SS087-L-12	1114121088	XXX25541	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0575]	mg/kg	8.9	JTE	1114121
11PH-SS087-L-12	1114121088	XXX25541	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0575]	mg/kg	8.9	JTE	1114121
11PH-SS087-L-12	1114121088	XXX25541	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0575]	mg/kg	8.9	JTE	1114121
11PH-SS087-L-12	1114121088	XXX25541	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0575]	mg/kg	8.9	JTE	1114121
11PH-SS087-L-12	1114121088	XXX25541	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0575]	mg/kg	8.9	JTE	1114121
11PH-SS087-L-12	1114121088	XXX25541	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0575]	mg/kg	8.9	JTE	1114121
11PH-SS087-L-12	1114121088	XXX25541	SW8082A	PCB-1260 (Aroclor 1260)	0.363	mg/kg	8.9	JTE	1114121
11PH-SS087-R-6	1114121089	XXX25541	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0568]	mg/kg	8.9	JTE	1114121
11PH-SS087-R-6	1114121089	XXX25541	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0568]	mg/kg	8.9	JTE	1114121
11PH-SS087-R-6	1114121089	XXX25541	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0568]	mg/kg	8.9	JTE	1114121
11PH-SS087-R-6	1114121089	XXX25541	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0568]	mg/kg	8.9	JTE	1114121

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances (Continued)

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS087-R-6	1114121089	XXX25541	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0568]	mg/kg	8.9	JTE	1114121
11PH-SS087-R-6	1114121089	XXX25541	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0568]	mg/kg	8.9	JTE	1114121
11PH-SS087-R-6	1114121089	XXX25541	SW8082A	PCB-1260 (Aroclor 1260)	2	mg/kg	8.9	JTE	1114121
11PH-SS087-R-12	1114121090	XXX25541	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0574]	mg/kg	8.9	JTE	1114121
11PH-SS087-R-12	1114121090	XXX25541	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0574]	mg/kg	8.9	JTE	1114121
11PH-SS087-R-12	1114121090	XXX25541	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0574]	mg/kg	8.9	JTE	1114121
11PH-SS087-R-12	1114121090	XXX25541	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0574]	mg/kg	8.9	JTE	1114121
11PH-SS087-R-12	1114121090	XXX25541	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0574]	mg/kg	8.9	JTE	1114121
11PH-SS087-R-12	1114121090	XXX25541	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0574]	mg/kg	8.9	JTE	1114121
11PH-SS087-R-12	1114121090	XXX25541	SW8082A	PCB-1260 (Aroclor 1260)	0.786	mg/kg	8.9	JTE	1114121
11PH-SS088-L-6	1114121091	XXX25541	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0554]	mg/kg	8.9	JTE	1114121
11PH-SS088-L-6	1114121091	XXX25541	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0554]	mg/kg	8.9	JTE	1114121
11PH-SS088-L-6	1114121091	XXX25541	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0554]	mg/kg	8.9	JTE	1114121
11PH-SS088-L-6	1114121091	XXX25541	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0554]	mg/kg	8.9	JTE	1114121
11PH-SS088-L-6	1114121091	XXX25541	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0554]	mg/kg	8.9	JTE	1114121
11PH-SS088-L-6	1114121091	XXX25541	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0554]	mg/kg	8.9	JTE	1114121
11PH-SS088-L-6	1114121091	XXX25541	SW8082A	PCB-1260 (Aroclor 1260)	0.869	mg/kg	8.9	JTE	1114121
11PH-SS088-L-12	1114121092	XXX25541	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.058]	mg/kg	8.9	JTE	1114121
11PH-SS088-L-12	1114121092	XXX25541	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.058]	mg/kg	8.9	JTE	1114121
11PH-SS088-L-12	1114121092	XXX25541	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.058]	mg/kg	8.9	JTE	1114121
11PH-SS088-L-12	1114121092	XXX25541	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.058]	mg/kg	8.9	JTE	1114121
11PH-SS088-L-12	1114121092	XXX25541	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.058]	mg/kg	8.9	JTE	1114121
11PH-SS088-L-12	1114121092	XXX25541	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.058]	mg/kg	8.9	JTE	1114121
11PH-SS088-L-12	1114121092	XXX25541	SW8082A	PCB-1260 (Aroclor 1260)	0.472	mg/kg	8.9	JTE	1114121
11PH-SS088-R-06	1114121093	XXX25541	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0572]	mg/kg	8.9	JTE	1114121

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances (Continued)

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS088-R-06	1114121093	XXX25541	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0572]	mg/kg	8.9	JTE	1114121
11PH-SS088-R-06	1114121093	XXX25541	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0572]	mg/kg	8.9	JTE	1114121
11PH-SS088-R-06	1114121093	XXX25541	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0572]	mg/kg	8.9	JTE	1114121
11PH-SS088-R-06	1114121093	XXX25541	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0572]	mg/kg	8.9	JTE	1114121
11PH-SS088-R-06	1114121093	XXX25541	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0572]	mg/kg	8.9	JTE	1114121
11PH-SS088-R-06	1114121093	XXX25541	SW8082A	PCB-1260 (Aroclor 1260)	1.04	mg/kg	8.9	JTE	1114121
11PH-SS088-R-12	1114121094	XXX25541	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0582]	mg/kg	8.9	JTE	1114121
11PH-SS088-R-12	1114121094	XXX25541	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0582]	mg/kg	8.9	JTE	1114121
11PH-SS088-R-12	1114121094	XXX25541	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0582]	mg/kg	8.9	JTE	1114121
11PH-SS088-R-12	1114121094	XXX25541	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0582]	mg/kg	8.9	JTE	1114121
11PH-SS088-R-12	1114121094	XXX25541	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0582]	mg/kg	8.9	JTE	1114121
11PH-SS088-R-12	1114121094	XXX25541	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0582]	mg/kg	8.9	JTE	1114121
11PH-SS088-R-12	1114121094	XXX25541	SW8082A	PCB-1260 (Aroclor 1260)	1.01	mg/kg	8.9	JTE	1114121
11PH-SS088X-R-12	1114121105	XXX25541	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0586]	mg/kg	8.9	JTE	1114121
11PH-SS088X-R-12	1114121105	XXX25541	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0586]	mg/kg	8.9	JTE	1114121
11PH-SS088X-R-12	1114121105	XXX25541	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0586]	mg/kg	8.9	JTE	1114121
11PH-SS088X-R-12	1114121105	XXX25541	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0586]	mg/kg	8.9	JTE	1114121
11PH-SS088X-R-12	1114121105	XXX25541	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0586]	mg/kg	8.9	JTE	1114121
11PH-SS088X-R-12	1114121105	XXX25541	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0586]	mg/kg	8.9	JTE	1114121
11PH-SS088X-R-12	1114121105	XXX25541	SW8082A	PCB-1260 (Aroclor 1260)	0.976	mg/kg	8.9	JTE	1114121
11PH-SS089-L-6	1114121095	XXX25541	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0572]	mg/kg	8.9	JTE	1114121
11PH-SS089-L-6	1114121095	XXX25541	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0572]	mg/kg	8.9	JTE	1114121
11PH-SS089-L-6	1114121095	XXX25541	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0572]	mg/kg	8.9	JTE	1114121
11PH-SS089-L-6	1114121095	XXX25541	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0572]	mg/kg	8.9	JTE	1114121
11PH-SS089-L-6	1114121095	XXX25541	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0572]	mg/kg	8.9	JTE	1114121

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances (Continued)

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS089-L-6	1114121095	XXX25541	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0572]	mg/kg	8.9	JTE	1114121
11PH-SS089-L-6	1114121095	XXX25541	SW8082A	PCB-1260 (Aroclor 1260)	1.06	mg/kg	8.9	JTE	1114121
11PH-SS089-L-12	1114121096	XXX25541	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0571]	mg/kg	8.9	JTE	1114121
11PH-SS089-L-12	1114121096	XXX25541	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0571]	mg/kg	8.9	JTE	1114121
11PH-SS089-L-12	1114121096	XXX25541	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0571]	mg/kg	8.9	JTE	1114121
11PH-SS089-L-12	1114121096	XXX25541	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0571]	mg/kg	8.9	JTE	1114121
11PH-SS089-L-12	1114121096	XXX25541	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0571]	mg/kg	8.9	JTE	1114121
11PH-SS089-L-12	1114121096	XXX25541	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0571]	mg/kg	8.9	JTE	1114121
11PH-SS089-L-12	1114121096	XXX25541	SW8082A	PCB-1260 (Aroclor 1260)	0.896	mg/kg	8.9	JTE	1114121
11PH-SS089-R-6	1114121097	XXX25541	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0615]	mg/kg	8.9	JTE	1114121
11PH-SS089-R-6	1114121097	XXX25541	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0615]	mg/kg	8.9	JTE	1114121
11PH-SS089-R-6	1114121097	XXX25541	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0615]	mg/kg	8.9	JTE	1114121
11PH-SS089-R-6	1114121097	XXX25541	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0615]	mg/kg	8.9	JTE	1114121
11PH-SS089-R-6	1114121097	XXX25541	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0615]	mg/kg	8.9	JTE	1114121
11PH-SS089-R-6	1114121097	XXX25541	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0615]	mg/kg	8.9	JTE	1114121
11PH-SS089-R-6	1114121097	XXX25541	SW8082A	PCB-1260 (Aroclor 1260)	0.459	mg/kg	8.9	JTE	1114121
11PH-SS089-R-12	1114121098	XXX25541	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.06]	mg/kg	8.9	JTE	1114121
11PH-SS089-R-12	1114121098	XXX25541	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.06]	mg/kg	8.9	JTE	1114121
11PH-SS089-R-12	1114121098	XXX25541	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.06]	mg/kg	8.9	JTE	1114121
11PH-SS089-R-12	1114121098	XXX25541	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.06]	mg/kg	8.9	JTE	1114121
11PH-SS089-R-12	1114121098	XXX25541	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.06]	mg/kg	8.9	JTE	1114121
11PH-SS089-R-12	1114121098	XXX25541	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.06]	mg/kg	8.9	JTE	1114121
11PH-SS089-R-12	1114121098	XXX25541	SW8082A	PCB-1260 (Aroclor 1260)	0.571	mg/kg	8.9	JTE	1114121
11PH-SS090-L-6	1114121099	XXX25541	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0615]	mg/kg	8.9	JTE	1114121
11PH-SS090-L-6	1114121099	XXX25541	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0615]	mg/kg	8.9	JTE	1114121

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances (Continued)

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS090-L-6	1114121099	XXX25541	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0615]	mg/kg	8.9	JTE	1114121
11PH-SS090-L-6	1114121099	XXX25541	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0615]	mg/kg	8.9	JTE	1114121
11PH-SS090-L-6	1114121099	XXX25541	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0615]	mg/kg	8.9	JTE	1114121
11PH-SS090-L-6	1114121099	XXX25541	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0615]	mg/kg	8.9	JTE	1114121
11PH-SS090-L-6	1114121099	XXX25541	SW8082A	PCB-1260 (Aroclor 1260)	0.993	mg/kg	8.9	JTE	1114121
11PH-SS090-L-12	1114121100	XXX25541	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0595]	mg/kg	8.9	JTE	1114121
11PH-SS090-L-12	1114121100	XXX25541	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0595]	mg/kg	8.9	JTE	1114121
11PH-SS090-L-12	1114121100	XXX25541	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0595]	mg/kg	8.9	JTE	1114121
11PH-SS090-L-12	1114121100	XXX25541	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0595]	mg/kg	8.9	JTE	1114121
11PH-SS090-L-12	1114121100	XXX25541	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0595]	mg/kg	8.9	JTE	1114121
11PH-SS090-L-12	1114121100	XXX25541	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0595]	mg/kg	8.9	JTE	1114121
11PH-SS090-L-12	1114121100	XXX25541	SW8082A	PCB-1260 (Aroclor 1260)	1.03	mg/kg	8.9	JTE	1114121
11PH-SS090-R-6	1114121101	XXX25540	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0603]	mg/kg	8.9	JTE	1114121
11PH-SS090-R-6	1114121101	XXX25540	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0603]	mg/kg	8.9	JTE	1114121
11PH-SS090-R-6	1114121101	XXX25540	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0603]	mg/kg	8.9	JTE	1114121
11PH-SS090-R-6	1114121101	XXX25540	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0603]	mg/kg	8.9	JTE	1114121
11PH-SS090-R-6	1114121101	XXX25540	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0603]	mg/kg	8.9	JTE	1114121
11PH-SS090-R-6	1114121101	XXX25540	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0603]	mg/kg	8.9	JTE	1114121
11PH-SS090-R-6	1114121101	XXX25540	SW8082A	PCB-1260 (Aroclor 1260)	1.13	mg/kg	8.9	JTE	1114121
11PH-SS090-R-12	1114121104	XXX25541	SW8082A	PCB-1016 (Aroclor 1016)	ND [0.0582]	mg/kg	8.9	JTE	1114121
11PH-SS090-R-12	1114121104	XXX25541	SW8082A	PCB-1221 (Aroclor 1221)	ND [0.0582]	mg/kg	8.9	JTE	1114121
11PH-SS090-R-12	1114121104	XXX25541	SW8082A	PCB-1232 (Aroclor 1232)	ND [0.0582]	mg/kg	8.9	JTE	1114121
11PH-SS090-R-12	1114121104	XXX25541	SW8082A	PCB-1242 (Aroclor 1242)	ND [0.0582]	mg/kg	8.9	JTE	1114121
11PH-SS090-R-12	1114121104	XXX25541	SW8082A	PCB-1248 (Aroclor 1248)	ND [0.0582]	mg/kg	8.9	JTE	1114121

Table C-1-1
Sample Results Qualified JTE due to Temperature Exceedances (Continued)

Sample ID	Laboratory Sample ID	QC Lot Number	Method	Analyte	Result	Units	Cooler Temperature (°C)	Qualifier	Laboratory SDG
11PH-SS090-R-12	1114121104	XXX25541	SW8082A	PCB-1254 (Aroclor 1254)	ND [0.0582]	mg/kg	8.9	JTE	1114121
11PH-SS090-R-12	1114121104	XXX25541	SW8082A	PCB-1260 (Aroclor 1260)	1.69	mg/kg	8.9	JTE	1114121

Notes:

For definitions, see the Acronyms and Abbreviations section of the Data Quality Assessment.

JTE – The sample cooler contained frozen samples or the temperature blank exceeded 6 degrees Celsius (°C).

[] – LOQ for ND results.

Table C-1-2
Sample Results Qualified JS± due to Surrogate Recovery Exceedances

Field Sample ID	Laboratory Sample ID	Method	Analyte	Result	Recovery	Units	Lower Control Limit	Upper Control Limit	Laboratory SDG	Qualifier
11PH-TU012-L1-E-6	1114790055	SW8082A	Decachlorobiphenyl	–	131	Percent	60	125	1114790	–
11PH-TU012-L1-E-6	1114790055	SW8082A	PCB-1260 (Aroclor 1260)	1.64	–	mg/kg	–	–	1114790	JS+

Notes:

For definitions, see the Acronyms and Abbreviations section of the Data Quality Assessment.

JS(±) – The result was an estimated value because at least one surrogate failed recovery criteria for that sample.

Table C-1-3
Sample Results Qualified JM± due to Matrix Spike Recovery Exceedances

Sample ID	Laboratory Sample ID	Method	Analyte	Recovery (Percent)	Lower Control Limit (Percent)	Upper Control Limit (Percent)	Result (mg/kg)	Qualifier	Laboratory SDG
11PH-SS043-R-6	1114053041	SW8082A	PCB-1260 (Aroclor 1260)	–	–	–	0.387	JM+	
Matrix Spike	1114053042	SW8082A	PCB-1260 (Aroclor 1260)	149.618	60	130	–	–	1114053
Matrix Spike Duplicate	1114053043	SW8082A	PCB-1260 (Aroclor 1260)	154.58	60	130	–	–	1114053
11PH-SS087-B0-6	1115059065	SW8082A	PCB-1260 (Aroclor 1260)	–	–	–	0.487	JM-	
Matrix Spike	1059673	SW8082A	PCB-1260 (Aroclor 1260)	53.0534	60	130	–	–	1115059
Matrix Spike Duplicate	1059674	SW8082A	PCB-1260 (Aroclor 1260)	69.434	60	130	–	–	1115059
11PH-SS087-A5-6	1115012013	SW8082A	PCB-1260 (Aroclor 1260)	–	–	–	0.484	JM-	
Matrix Spike	1115012014	SW8082A	PCB-1260 (Aroclor 1260)	32.4111	60	130	–	–	1115012
Matrix Spike Duplicate	1115012015	SW8082A	PCB-1260 (Aroclor 1260)	73.8281	60	130	–	–	1115012

Notes:

For definitions, see the Acronyms and Abbreviations section of the Data Quality Assessment.

JM(±) – The result was an estimated value because the analyte failed recovery criteria in the MS or MS duplicate (MSD) sample or both. The MS sample recoveries were only evaluated if the spike concentration exceeded the native sample concentration by a factor of 2 or greater.

Table C-1-4
Sample Results with RPD Duplicates greater than the DQO

Sample ID	Laboratory Sample ID	Method	Analyte	Primary Result	Duplicate Result	Units	RPD (%)	DQO (%)	Laboratory SDG Number
11PH-GP050-C-4-6	1114545062	SW8082A	PCB-1260 (Aroclor 1260)	0.0207	–	mg/kg	–	–	1114545
11PH-GP050X-C-4-6	1114545063	SW8082A	PCB-1260 (Aroclor 1260)	–	ND [0.0348]	mg/kg	50.81	50	1114545
11PH-GP088-R-10-12	1115059040	SW8082A	PCB-1260 (Aroclor 1260)	ND [0.043]	–	mg/kg	–	–	1115059
11PH-GP088X-R-10-12	1115059041	SW8082A	PCB-1260 (Aroclor 1260)	–	0.68	mg/kg	176.2	50	1115059
11PH-TU088-L1-C-6	1115057011	SW8082A	PCB-1260 (Aroclor 1260)	0.874	–	mg/kg	–	–	1115057
11PH-TU088X-L1-C-6	1115057012	SW8082A	PCB-1260 (Aroclor 1260)	–	0.448	mg/kg	64.45	50	1115057

Notes:

The LOD was used to in place of ND values for RPD calculations shown in brackets.
For definitions, see the Acronyms and Abbreviations section of the Data Quality Assessment.

Table C-1-5
Sample Results with LODs greater than the Cleanup Level

Sample ID	Laboratory Sample ID	Method	Analyte	Result	LOD	LOQ	Cleanup Level	Units	Dilution Factor	Laboratory SDG
11PH-SS008-R-6	1114013036	SW8082A	PCB-1254 (Aroclor 1254)	ND	3.6	6.01	1	mg/kg	100	1114013
11PH-SS008-L-12	1114013035	SW8082A	PCB-1254 (Aroclor 1254)	ND	1.76	2.93	1	mg/kg	50	1114013
11PH-SS008-R-6	1114013036	SW8082A	PCB-1221 (Aroclor 1221)	ND	3.6	6.01	1	mg/kg	100	1114013
11PH-SS008-L-12	1114013035	SW8082A	PCB-1221 (Aroclor 1221)	ND	1.76	2.93	1	mg/kg	50	1114013
11PH-SS008-R-6	1114013036	SW8082A	PCB-1232 (Aroclor 1232)	ND	3.6	6.01	1	mg/kg	100	1114013
11PH-SS008-L-12	1114013035	SW8082A	PCB-1232 (Aroclor 1232)	ND	1.76	2.93	1	mg/kg	50	1114013
11PH-SS008-R-6	1114013036	SW8082A	PCB-1248 (Aroclor 1248)	ND	3.6	6.01	1	mg/kg	100	1114013
11PH-SS008-L-12	1114013035	SW8082A	PCB-1248 (Aroclor 1248)	ND	1.76	2.93	1	mg/kg	50	1114013
11PH-SS008-R-6	1114013036	SW8082A	PCB-1016 (Aroclor 1016)	ND	3.6	6.01	1	mg/kg	100	1114013
11PH-SS008-L-12	1114013035	SW8082A	PCB-1016 (Aroclor 1016)	ND	1.76	2.93	1	mg/kg	50	1114013
11PH-SS008-R-6	1114013036	SW8082A	PCB-1242 (Aroclor 1242)	ND	3.6	6.01	1	mg/kg	100	1114013
11PH-SS008-L-12	1114013035	SW8082A	PCB-1242 (Aroclor 1242)	ND	1.76	2.93	1	mg/kg	50	1114013

Notes:

For definitions, see the Acronyms and Abbreviations section of the Data Quality Assessment.

**Table C-1-6
Duplicated Sample Results**

Sample ID	Laboratory Sample ID	Result	LOQ	DL	Units	RPD (%)	DQO (%)	Laboratory SDG
11PH-SS025-D5-6	1114791082	0.8*	0.0589	0.0177	mg/kg	14.33	50	1114791
11PH-SS025-D5-6	1114792066	0.693	0.0584	0.0175	mg/kg	–	–	1114792
11PH-TU020-R1-B-6	1114791073	1.17*	0.0626	0.0188	mg/kg	35.89	50	1114791
11PH-TU020-R1-B-6	1114791057	0.814	0.0612	0.0184	mg/kg	–	–	1114791
11PH-TU021-R1-A-6	1114791079	1.74*	0.0648	0.0194	mg/kg	9.01	50	1114791
11PH-TU021-R1-A-6	1114791058	1.59	0.0634	0.019	mg/kg	–	–	1114791
11PH-TU029-L3-A-6	1114791088	1.74*	0.0913	0.0274	mg/kg	29.7	50	1114791
11PH-TU029-L3-A-6	1114791042	1.29	0.068	0.0204	mg/kg	–	–	1114791
11PH-TU032-L4-D-6	1114791076	0.534*	0.0589	0.0177	mg/kg	15.98	50	1114791
11PH-TU032-L4-D-6	1114791048	0.455	0.0576	0.0173	mg/kg	–	–	1114791
11PH-TU034-L2-D-6	1114791085	0.843*	0.0556	0.0167	mg/kg	21.41	50	1114791
11PH-TU034-L2-D-6	1114791006	0.68	0.0575	0.0172	mg/kg	–	–	1114791

Notes:

* - Sample result used for figures

ATTACHMENT C-2
ADEC Checklists

Laboratory Data Review Checklist

Completed by: Julieanna Orczewska

Title: Project Chemist Date: 1-17-2012

CS Report Name: EE/CA Site Road PCB Removal, Port Heiden, Alaska 2012 Report Date: January 2012

Consultant Firm: Jacobs Engineering Group Inc.

Laboratory Name: SGS - Alaska Laboratory Report Number: 1114013

ADEC File Number: ADEC RecKey Number:

1. Laboratory

- a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
☐ Yes ☐ No ☒ NA (Please explain.) Comments:

All samples were analyzed at SGS - Alaska

2. Chain of Custody (COC)

- a. COC information completed, signed, and dated (including released/received by)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. Correct analyses requested?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

3. Laboratory Sample Receipt Documentation

- a. Sample/cooler temperature documented and within range at receipt ($4^{\circ} \pm 2^{\circ} \text{C}$)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Cooler ‘Anakin Skywalker’ temperature blank was 4.4°C .

- b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

There were no discrepancies noted for this SDG.

e. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

4. Case Narrative

a. Present and understandable?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

b. Discrepancies, errors or QC failures identified by the lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

QC failures are discussed in the relevant sections this checklist.

c. Were all corrective actions documented?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

d. What is the effect on data quality/usability according to the case narrative?

Comments:

Data quality and usability were not affected.

5. Samples Results

a. Correct analyses performed/reported as requested on COC?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

b. All applicable holding times met?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

c. All soils reported on a dry weight basis?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

Yes ☒ No ☐ NA (Please explain.)

Comments:

Several LOQs reported in this SDG were greater than the minimum required detection level. The LOD was evaluated against the clean up level. Two samples (listed in Attachment 1; Table C-1-6) had LODs greater than the clean up level.

e. Data quality or usability affected?

Comments:

Data quality was minimally affected for the samples whose LOD exceeded the cleanup level. Data usability was not affected.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

ii. All method blank results less than PQL?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. If above PQL, what samples are affected?

Comments:

All method blank results were less than the LOQ.

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

- i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

☐ Yes ☐ No ☒ NA (Please explain.) Comments:

No Metals/Inorganics analyses were performed.

- iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

☐ Yes ☒ No ☐ NA (Please explain.) Comments:

Percent recovery (%R) for SW8082A parent samples 11PH-SS001-L-6 MS, 11PH-SS005-R-6 MS/MSD, 11PH-SS009-R-12 MS/MSD, and 11PH-SS014-L-6 MS/MSD for Aroclor 1260 exceeded QC criteria. These samples were not qualified because the matrix spike concentration did not exceed the native sample concentration by a factor of two. LCS was used to verify QC accuracy. All LCS %R were within DoD QSM limits.

- iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

All MS/MSD RPDs met RPD QC criteria. A LCSD was not analyzed for method SW8082A.

- v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

No samples were affected by the MS/MSD %R exceedance because the matrix spike concentration did not exceed the native sample concentration by a factor of two.

- vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

☐ Yes ☒ No ☐ NA (Please explain.) Comments:

Parent samples 11PH-SS001-L-6, 11PH-SS005-R-6, 11PH-SS009-R-12 and 11PH-SS014-L-6 were not qualified because the matrix spike concentration was significantly lower than the parent sample concentration for Aroclor 1260.

- vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

Data quality and usability were not affected due to MS/MSD %R QC exceedances.

c. Surrogates – Organics Only

- i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

- iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

Data quality and usability were not affected.

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

- i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

Volatile analyses were not performed.

- ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iii. All results less than PQL?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iv. If above PQL, what samples are affected?

Comments:

N/A

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

☐ Yes ☒ No ☐ NA (Please explain.)

Comments:

For the 79 samples included in this SDG, there were 3 field duplicates.

ii. Submitted blind to lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. Precision – All relative percent differences (RPD) less than specified DQOs?
(Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

Data quality was minimally affected due to the limited field duplicate samples. Data usability was not affected.

f. Decontamination or Equipment Blank (If not used explain why).

☐ Yes ☐ No ☒ NA (Please explain.) Comments:

A decontamination blank was not collected.

i. All results less than PQL?

☐ Yes ☐ No ☒ NA (Please explain.) Comments:

ii. If above PQL, what samples are affected?

Comments:

iii. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability was not affected.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Laboratory Data Review Checklist

Completed by: Julieanna Orczewska

Title: Project Chemist Date: 18 January 2012

CS Report Name: EE/CA Site Road PCB Removal, Port Heiden, Alaska 2012 Report Date: January 2012

Consultant Firm: Jacobs Engineering Group Inc.

Laboratory Name: SGS-Alaska Laboratory Report Number: 1114020

ADEC File Number: ADEC RecKey Number:

1. Laboratory

- a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
☐ Yes ☐ No ☒ NA (Please explain.) Comments:

All samples were analyzed by SGS-Alaska.

2. Chain of Custody (COC)

- a. COC information completed, signed, and dated (including released/received by)?
Yes ☒ No ☐ NA (Please explain.) Comments:

A collection time was not indicated on the COC for sample 11PH-11032-L-12. Email correspondence indicated the sample collection time was 16:02 and was used for this sample analysis.

- b. Correct analyses requested?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

3. Laboratory Sample Receipt Documentation

- a. Sample/cooler temperature documented and within range at receipt ($4^{\circ} \pm 2^{\circ} \text{C}$)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Cooler ‘Darth Vader’ temperature blank was 3.3°C .

- b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

A collection time was not indicated on the COC for sample 11PH-11032-L-12. Email correspondence indicated the sample collection time was 16:02 and was used for this sample analysis.

- e. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

4. Case Narrative

- a. Present and understandable?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- b. Discrepancies, errors or QC failures identified by the lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

QC failures are discussed in the relevant sections this checklist.

- c. Were all corrective actions documented?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. What is the effect on data quality/usability according to the case narrative?

Comments:

Data quality and usability were not affected.

5. Samples Results

- a. Correct analyses performed/reported as requested on COC?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

b. All applicable holding times met?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

c. All soils reported on a dry weight basis?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

Yes ☒ No ☐ NA (Please explain.)

Comments:

Several LOQs reported in this SDG were greater than the minimum required detection level. The LOD was evaluated against the clean up level. There were no samples in this SDG with LODs greater than the clean up level.

e. Data quality or usability affected?

Comments:

Data quality and usability were not affected.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

ii. All method blank results less than PQL?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. If above PQL, what samples are affected?

Yes ☐ No ☒ NA (Please explain.)

Comments:

All method blank results were less than the LOQ.

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

- i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

☐ Yes ☒ No ☐ NA (Please explain.)

Comments:

No Metals/Inorganics analyses were performed.

- iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

Yes ☒ No ☐ NA (Please explain.)

Comments:

%R for samples 11-SS022-L-12 MS, 11-SS026-R-6 MS/MSD, 11-SS028X-L-12 MS/MSD, and 11PH-SS018-L-6 MS for Aroclor-1260 exceeded QC criteria. These samples were not qualified because the matrix spike concentration did not exceed the native sample concentration by a factor of two. LCS was used to verify QC accuracy. All LCS %R were within DoD QSM limits.

- iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

There were no RPD exceedances for MS/MSD in this SDG. A LCSD was not evaluated for method SW8082A.

- v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

No samples were affected by the MS/MSD %R exceedances because the matrix spike concentration did not exceed the native sample concentration by a factor of two.

- vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No samples flagged due to the MS/MSD %R exceedances because the matrix spike concentration did not exceed the native sample concentration by a factor of two.

- vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

Data quality and usability were not affected due to MS/MSD %R QC exceedances.

c. Surrogates – Organics Only

- i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

- iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

Data quality and usability were not affected.

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

- i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

Volatile analyses were not performed.

- ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iii. All results less than PQL?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iv. If above PQL, what samples are affected?

Comments:

N/A

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

☐ Yes ☒ No ☐ NA (Please explain.)

Comments:

Three field duplicates were submitted for 79 samples in this SDG.

ii. Submitted blind to lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. Precision – All relative percent differences (RPD) less than specified DQOs?
(Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

Data quality was minimally affected due to the limited field duplicate samples. Data usability was not affected.

f. Decontamination or Equipment Blank (If not used explain why).

Yes ☐ No ☒ NA (Please explain.) Comments:

A decontamination blank was not collected.

i. All results less than PQL?

Yes ☐ No ☒ NA (Please explain.) Comments:

N/A

ii. If above PQL, what samples are affected?

Comments:

N/A

iii. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Laboratory Data Review Checklist

Completed by: Julieanna Orczewska

Title: Project Chemist Date: 18 January 2012

CS Report Name: EE/CA Site Road PCB Removal, Port Heiden, Alaska 2012 Report Date: January 2012

Consultant Firm: Jacobs Engineering Group Inc.

Laboratory Name: SGS-Alaska Laboratory Report Number: 1114053

ADEC File Number: ADEC RecKey Number:

1. Laboratory

- a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
☐ Yes ☐ No ☒ NA (Please explain.) Comments:

All samples were analyzed by SGS-Alaska.

2. Chain of Custody (COC)

- a. COC information completed, signed, and dated (including released/received by)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. Correct analyses requested?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

3. Laboratory Sample Receipt Documentation

- a. Sample/cooler temperature documented and within range at receipt ($4^{\circ} \pm 2^{\circ} \text{C}$)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Cooler ‘Chewbacca’ temperature blank was 4.2°C .

- b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- e. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

4. Case Narrative

- a. Present and understandable?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- b. Discrepancies, errors or QC failures identified by the lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

QC failures are discussed in the relevant sections this checklist.

- c. Were all corrective actions documented?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. What is the effect on data quality/usability according to the case narrative?

Comments:

Data quality and usability were not affected.

5. Samples Results

- a. Correct analyses performed/reported as requested on COC?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

b. All applicable holding times met?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

c. All soils reported on a dry weight basis?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

Yes ☒ No ☐ NA (Please explain.)

Comments:

Several LOQs reported in this SDG were greater than the minimum required detection level. The LOD was evaluated against the clean up level. There were no samples in this SDG with LODs greater than the clean up level.

e. Data quality or usability affected?

Comments:

Data quality and usability were not affected.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

ii. All method blank results less than PQL?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. If above PQL, what samples are affected?

Yes ☐ No ☒ NA (Please explain.)

Comments:

All method blank results were less than the LOQ.

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

- i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

☐ Yes ☒ No ☐ NA (Please explain.) Comments:

No Metals/Inorganics analyses were performed.

- iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

Yes ☒ No ☐ NA (Please explain.) Comments:

%R for samples 11PH-SS039-L-12 MS, 11PH-SS043-R-6 MS/MSD, 11PH-SS035-L-6 MS/MSD and for Aroclor-1260 exceeded QC criteria. Only the parent sample 11PH-SS043-R-6 was qualified. The other parent samples had matrix spike concentrations that did not exceed the native sample concentration by a factor of two. LCS was used to verify QC accuracy. All LCS %R were within DoD QSM limits.

- iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

There were no RPD exceedances for MS/MSD in this SDG. A LCSD was not evaluated for method SW8082A.

- v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

Parent sample 11PH-SS043-R-6 was qualified JM+.

- vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Parent sample 11PH-SS043-R-6 was qualified JM+.

- vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

Data quality was minimally affected due to MS/MSD %R QC exceedances. Data usability was not affected.

c. Surrogates – Organics Only

- i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

- iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

Data quality and usability were not affected.

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

- i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

Volatile analyses were not performed.

- ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iii. All results less than PQL?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iv. If above PQL, what samples are affected?

Comments:

N/A

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

☐ Yes ☒ No ☐ NA (Please explain.)

Comments:

Four field duplicates were submitted for 80 samples in this SDG.

ii. Submitted blind to lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. Precision – All relative percent differences (RPD) less than specified DQOs?
(Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

Data quality was minimally affected due to the limited field duplicate samples. Data usability was not affected.

f. Decontamination or Equipment Blank (If not used explain why).

Yes ☐ No ☒ NA (Please explain.) Comments:

A decontamination blank was not collected.

i. All results less than PQL?

Yes ☐ No ☒ NA (Please explain.) Comments:

N/A

ii. If above PQL, what samples are affected?

Comments:

N/A

iii. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Laboratory Data Review Checklist

Completed by: Julieanna Orczewska

Title: Project Chemist Date: 18 January 2012

CS Report Name: EE/CA Site Road PCB Removal, Port Heiden, Alaska 2012 Report Date: January 2012

Consultant Firm: Jacobs Engineering Group Inc.

Laboratory Name: SGS-Alaska Laboratory Report Number: 1114054

ADEC File Number: ADEC RecKey Number:

1. Laboratory

- a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
☐ Yes ☐ No ☒ NA (Please explain.) Comments:

All samples were analyzed by SGS-Alaska.

2. Chain of Custody (COC)

- a. COC information completed, signed, and dated (including released/received by)?
Yes ☒ No ☐ NA (Please explain.) Comments:

Pages 2-4 of COC# 2011PTH011 were not signed by the receiving party at SGS-Alaska. Page 1 of the COC was signed by both parties.

- b. Correct analyses requested?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

3. Laboratory Sample Receipt Documentation

- a. Sample/cooler temperature documented and within range at receipt ($4^{\circ} \pm 2^{\circ} \text{C}$)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Cooler ‘Darth Maul’ temperature blank was 3.4°C .

- b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

Sample 11PH-SS064-L-12 arrived to the laboratory empty. David Summerville of Jacobs Engineering was notified and the sample was received on 8/27/11 and reported under SDG# 1114119.

- e. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

4. Case Narrative

- a. Present and understandable?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- b. Discrepancies, errors or QC failures identified by the lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

QC failures are discussed in the relevant sections this checklist.

- c. Were all corrective actions documented?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. What is the effect on data quality/usability according to the case narrative?

Comments:

Data quality and usability were not affected.

5. Samples Results

- a. Correct analyses performed/reported as requested on COC?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

b. All applicable holding times met?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

c. All soils reported on a dry weight basis?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

e. Data quality or usability affected?

Comments:

Data quality and usability were not affected.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

ii. All method blank results less than PQL?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. If above PQL, what samples are affected?

Yes ☐ No ☒ NA (Please explain.)

Comments:

All method blank results were less than the LOQ.

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

- i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

☐ Yes ☒ No ☐ NA (Please explain.) Comments:

No Metals/Inorganics analyses were performed.

- iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

There were no RPD exceedances for MS/MSD in this SDG. A LCSD was not evaluated for method SW8082A.

- v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

- vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.) Comments:

- vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

Data quality and usability were not affected.

c. Surrogates – Organics Only

- i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

- iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

Data quality and usability were not affected.

- d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

- i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

Volatile analyses were not performed.

- ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iii. All results less than PQL?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iv. If above PQL, what samples are affected?

Comments:

N/A

- v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

☐ Yes ☒ No ☐ NA (Please explain.)

Comments:

Three field duplicates were submitted for 79 samples in this SDG.

ii. Submitted blind to lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. Precision – All relative percent differences (RPD) less than specified DQOs?
(Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

Data quality was minimally affected due to the limited field duplicate samples. Data usability was not affected.

f. Decontamination or Equipment Blank (If not used explain why).

Yes ☐ No ☒ NA (Please explain.)

Comments:

A decontamination blank was not collected.

i. All results less than PQL?

Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

ii. If above PQL, what samples are affected?

Comments:

N/A

iii. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

Laboratory Data Review Checklist

Completed by: Julieanna Orczewska

Title: Project Chemist Date: 18 January 2012

CS Report Name: EE/CA Site Road PCB Removal, Port Heiden, Alaska 2012 Report Date: January 2012

Consultant Firm: Jacobs Engineering Group Inc.

Laboratory Name: SGS-Alaska Laboratory Report Number: 1114119

ADEC File Number: ADEC RecKey Number:

1. Laboratory

- a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
☐ Yes ☐ No ☒ NA (Please explain.) Comments:

All samples were analyzed by SGS-Alaska.

2. Chain of Custody (COC)

- a. COC information completed, signed, and dated (including released/received by)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. Correct analyses requested?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

3. Laboratory Sample Receipt Documentation

- a. Sample/cooler temperature documented and within range at receipt ($4^{\circ} \pm 2^{\circ} \text{C}$)?
Yes ☒ No ☐ NA (Please explain.) Comments:

Cooler ‘Obi-Wan Kenobi’ temperature blank was 1.7°C .

- b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- e. Data quality or usability affected? (Please explain.)

Comments:

Samples received in cooler ‘Obi-Wan Kenobi’ were not frozen upon receipt by SGS-Alaska and therefore it was determined that data quality and usability were not affected.

4. Case Narrative

- a. Present and understandable?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- b. Discrepancies, errors or QC failures identified by the lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

QC failures are discussed in the relevant sections this checklist.

- c. Were all corrective actions documented?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. What is the effect on data quality/usability according to the case narrative?

Comments:

Data quality and usability were not affected.

5. Samples Results

- a. Correct analyses performed/reported as requested on COC?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

b. All applicable holding times met?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

c. All soils reported on a dry weight basis?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

e. Data quality or usability affected?

Comments:

Data quality and usability were not affected.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

ii. All method blank results less than PQL?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. If above PQL, what samples are affected?

Yes ☐ No ☒ NA (Please explain.)

Comments:

All method blank results were less than the LOQ.

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

- i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

☐ Yes ☒ No ☐ NA (Please explain.) Comments:

No Metals/Inorganics analyses were performed.

- iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

Yes ☒ No ☐ NA (Please explain.) Comments:

%R for MS sample 11PH-ST1-3-03 MS for Aroclor-1260 exceeded QC criteria. Sample 11PH-ST1-3-03 MSD was within laboratory control limits. LCS was used to verify QC accuracy. All LCS %R were within DoD QSM limits.

- iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

Yes ☒ No ☐ NA (Please explain.) Comments:

The RPD for MS/MSD Aroclor-1260 sample 11PH-ST1-3-03 MS/MSD exceeded QC criteria. A LCSD was not evaluated for method SW8082A.

- v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

- vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.) Comments:

Parent sample 11PH-ST1-3-03 was not qualified because the matrix spike concentration was significantly lower than the parent sample concentration for Aroclor 1260.

- vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

Data quality was minimally affected due to MS/MSD %R and RPD QC exceedances. Data usability was not affected.

c. Surrogates – Organics Only

- i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

- iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

Data quality and usability were not affected.

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

- i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

Volatile analyses were not performed.

- ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iii. All results less than PQL?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iv. If above PQL, what samples are affected?

Comments:

N/A

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

☐ Yes ☒ No ☐ NA (Please explain.)

Comments:

One duplicate was collected for 13 samples in this SDG.

ii. Submitted blind to lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. Precision – All relative percent differences (RPD) less than specified DQOs?
(Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

Data quality was minimally affected due to the limited field duplicate samples. Data usability was not affected.

f. Decontamination or Equipment Blank (If not used explain why).

Yes ☒ No ☐ NA (Please explain.) Comments:

A decontamination blank was not collected.

i. All results less than PQL?

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

ii. If above PQL, what samples are affected?

Comments:

N/A

iii. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Laboratory Data Review Checklist

Completed by: Julieanna Orczewska

Title: Project Chemist Date: 18 January 2012

CS Report Name: EE/CA Site Road PCB Removal, Port Heiden, Alaska 2012 Report Date: January 2012

Consultant Firm: Jacobs Engineering Group Inc.

Laboratory Name: SGS-Alaska Laboratory Report Number: 1114545

ADEC File Number: ADEC RecKey Number:

1. Laboratory

- a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
☐ Yes ☐ No ☒ NA (Please explain.) Comments:

All samples were analyzed by SGS-Alaska.

2. Chain of Custody (COC)

- a. COC information completed, signed, and dated (including released/received by)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. Correct analyses requested?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

3. Laboratory Sample Receipt Documentation

- a. Sample/cooler temperature documented and within range at receipt ($4^{\circ} \pm 2^{\circ} \text{C}$)?
Yes ☒ No ☐ NA (Please explain.) Comments:

Cooler ‘Queen Amidala’ temperature blank was 2.9°C .

- b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- e. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

4. Case Narrative

- a. Present and understandable?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- b. Discrepancies, errors or QC failures identified by the lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

QC failures are discussed in the relevant sections this checklist.

- c. Were all corrective actions documented?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. What is the effect on data quality/usability according to the case narrative?

Comments:

Data quality and usability were not affected.

5. Samples Results

- a. Correct analyses performed/reported as requested on COC?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

b. All applicable holding times met?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

c. All soils reported on a dry weight basis?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

e. Data quality or usability affected?

Comments:

Data quality and usability were not affected.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

ii. All method blank results less than PQL?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. If above PQL, what samples are affected?

Yes ☐ No ☒ NA (Please explain.)

Comments:

All method blank results were less than the LOQ.

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

- i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

☐ Yes ☒ No ☐ NA (Please explain.) Comments:

No Metals/Inorganics analyses were performed.

- iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

There were no RPD exceedances for MS/MSD in this SDG. A LCSD was not evaluated for method SW8082A.

- v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

- vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.) Comments:

There were no RPD exceedances for MS/MSD in this SDG. A LCSD was not evaluated for method SW8082A.

- vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

Data quality and usability were not affected.

c. Surrogates – Organics Only

- i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

- iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

Data quality and usability were not affected.

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

- i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

Volatile analyses were not performed.

- ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iii. All results less than PQL?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iv. If above PQL, what samples are affected?

Comments:

N/A

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

☐ Yes ☒ No ☐ NA (Please explain.)

Comments:

Three field duplicates were submitted for 78 samples in this SDG.

ii. Submitted blind to lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. Precision – All relative percent differences (RPD) less than specified DQOs?
(Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

Yes ☒ No ☐ NA (Please explain.)

Comments:

Duplicate sample pair 11PH-GP050-C-4-6 and 11PH-GP050X-C-4-6 had a RPD of 50.81.

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

Data quality was minimally affected due to the limited field duplicate samples and the slightly elevated duplicate RPD. Data usability was not affected.

f. Decontamination or Equipment Blank (If not used explain why).

Yes ☐ No ☒ NA (Please explain.) Comments:

A decontamination blank was not collected.

i. All results less than PQL?

Yes ☐ No ☒ NA (Please explain.) Comments:

N/A

ii. If above PQL, what samples are affected?

Comments:

N/A

iii. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Laboratory Data Review Checklist

Completed by: Julieanna Orczewska

Title: Project Chemist Date: 18 January 2012

CS Report Name: EE/CA Site Road PCB Removal, Port Heiden, Alaska 2012 Report Date: January 2012

Consultant Firm: Jacobs Engineering Group Inc.

Laboratory Name: SGS-Alaska Laboratory Report Number: 1114546

ADEC File Number: ADEC RecKey Number:

1. Laboratory

- a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
☐ Yes ☐ No ☒ NA (Please explain.) Comments:

All samples were analyzed by SGS-Alaska.

2. Chain of Custody (COC)

- a. COC information completed, signed, and dated (including released/received by)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. Correct analyses requested?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

3. Laboratory Sample Receipt Documentation

- a. Sample/cooler temperature documented and within range at receipt ($4^{\circ} \pm 2^{\circ} \text{C}$)?
Yes ☒ No ☐ NA (Please explain.) Comments:

Cooler ‘Princess Leia’ temperature blank was 2.8°C and cooler ‘Padme’ temperature blank was 2.6°C.

- b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- e. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

4. Case Narrative

- a. Present and understandable?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- b. Discrepancies, errors or QC failures identified by the lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

There were no analytical anomalies associated with the data reported in this SDG Case Narrative.

- c. Were all corrective actions documented?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. What is the effect on data quality/usability according to the case narrative?

Comments:

Data quality and usability were not affected.

5. Samples Results

- a. Correct analyses performed/reported as requested on COC?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

b. All applicable holding times met?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

c. All soils reported on a dry weight basis?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

e. Data quality or usability affected?

Comments:

Data quality and usability were not affected.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

ii. All method blank results less than PQL?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. If above PQL, what samples are affected?

Yes ☐ No ☒ NA (Please explain.)

Comments:

All method blank results were less than the LOQ.

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

- i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

☐ Yes ☒ No ☐ NA (Please explain.) Comments:

No Metals/Inorganics analyses were performed.

- iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

There were no RPD exceedances for MS/MSD in this SDG. A LCSD was not evaluated for method SW8082A.

- v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

- vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.) Comments:

There were no RPD exceedances for MS/MSD in this SDG. A LCSD was not evaluated for method SW8082A.

- vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

Data quality and usability were not affected.

c. Surrogates – Organics Only

- i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

- iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

Data quality and usability were not affected.

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

- i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

Volatile analyses were not performed.

- ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iii. All results less than PQL?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iv. If above PQL, what samples are affected?

Comments:

N/A

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

☐ Yes ☒ No ☐ NA (Please explain.)

Comments:

Two field duplicates were submitted for 72 samples in this SDG.

ii. Submitted blind to lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. Precision – All relative percent differences (RPD) less than specified DQOs?
(Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

Data quality was minimally affected due to the limited field duplicate samples. Data usability was not affected.

f. Decontamination or Equipment Blank (If not used explain why).

Yes ☐ No ☒ NA (Please explain.) Comments:

A decontamination blank was not collected.

i. All results less than PQL?

Yes ☐ No ☒ NA (Please explain.) Comments:

N/A

ii. If above PQL, what samples are affected?

Comments:

N/A

iii. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Laboratory Data Review Checklist

Completed by: Julieanna Orczewska

Title: Project Chemist Date: 18 January 2012

CS Report Name: EE/CA Site Road PCB Removal, Port Heiden, Alaska 2012 Report Date: January 2012

Consultant Firm: Jacobs Engineering Group Inc.

Laboratory Name: SGS-Alaska Laboratory Report Number: 1114547

ADEC File Number: ADEC RecKey Number:

1. Laboratory

- a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
☐ Yes ☐ No ☒ NA (Please explain.) Comments:

All samples were analyzed by SGS-Alaska.

2. Chain of Custody (COC)

- a. COC information completed, signed, and dated (including released/received by)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. Correct analyses requested?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

3. Laboratory Sample Receipt Documentation

- a. Sample/cooler temperature documented and within range at receipt ($4^{\circ} \pm 2^{\circ} \text{C}$)?
Yes ☒ No ☐ NA (Please explain.) Comments:

Cooler ‘Princess Leia’ temperature blank was 2.8°C.

- b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- e. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

4. Case Narrative

- a. Present and understandable?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- b. Discrepancies, errors or QC failures identified by the lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

QC failures are discussed in the relevant sections this checklist.

- c. Were all corrective actions documented?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. What is the effect on data quality/usability according to the case narrative?

Comments:

Data quality and usability were not affected.

5. Samples Results

- a. Correct analyses performed/reported as requested on COC?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

b. All applicable holding times met?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

c. All soils reported on a dry weight basis?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

Yes ☒ No ☐ NA (Please explain.)

Comments:

Several LOQs reported in this SDG were greater than the minimum required detection level. The LOD was evaluated against the clean up level. There were no samples in this SDG with LODs greater than the clean up level.

e. Data quality or usability affected?

Comments:

Data quality and usability were not affected.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

ii. All method blank results less than PQL?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. If above PQL, what samples are affected?

Yes ☐ No ☒ NA (Please explain.)

Comments:

All method blank results were less than the LOQ.

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

- i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

☐ Yes ☒ No ☐ NA (Please explain.) Comments:

No Metals/Inorganics analyses were performed.

- iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

Yes ☒ No ☐ NA (Please explain.) Comments:

%R for MS laboratory sample 1054411 was below QC criteria for Aroclor-1260 however, this was not a Port Heiden project sample. All LCS %R were within DoD QSM limits.

- iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

There were no RPD exceedances for MS/MSD in this SDG. A LCSD was not evaluated for method SW8082A.

- v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

- vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.) Comments:

There were no %R or RPD exceedances for MS/MSD or LCS/LCSD Port Heiden project samples in this SDG.

- vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

Data quality and usability were not affected.

c. Surrogates – Organics Only

- i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

- iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

Data quality and usability were not affected.

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

- i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

Volatile analyses were not performed.

- ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iii. All results less than PQL?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iv. If above PQL, what samples are affected?

Comments:

N/A

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

☐ Yes ☒ No ☐ NA (Please explain.)

Comments:

Two field duplicates were submitted for 40 samples in this SDG.

ii. Submitted blind to lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. Precision – All relative percent differences (RPD) less than specified DQOs?
(Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

Data quality was minimally affected due to the limited field duplicate. Data usability was not affected.

f. Decontamination or Equipment Blank (If not used explain why).

Yes ☐ No ☒ NA (Please explain.) Comments:

A decontamination blank was not collected.

i. All results less than PQL?

Yes ☐ No ☒ NA (Please explain.) Comments:

N/A

ii. If above PQL, what samples are affected?

Comments:

N/A

iii. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Laboratory Data Review Checklist

Completed by: Julieanna Orczewska

Title: Project Chemist

Date: 18 January 2012

CS Report Name: EE/CA Site Road PCB Removal, Port Heiden, Alaska 2012

Report Date: January 2012

Consultant Firm:

Jacobs Engineering Group Inc.

Laboratory Name: SGS-Alaska

Laboratory Report Number: 1114720

ADEC File Number:

ADEC RecKey Number:

1. Laboratory

- a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

All samples were analyzed by SGS-Alaska.

2. Chain of Custody (COC)

- a. COC information completed, signed, and dated (including released/received by)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- b. Correct analyses requested?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

3. Laboratory Sample Receipt Documentation

- a. Sample/cooler temperature documented and within range at receipt ($4^{\circ} \pm 2^{\circ} \text{C}$)?

Yes ☒ No ☐ NA (Please explain.)

Comments:

Cooler ‘Jabba the Hut’ temperature blank was 1.2°C.

- b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

Sample 11PH-TU017-R-100-6 was broken upon arrival at SGS-Alaska. Soil sample was transferred to another jar for analysis. The role of MS/MSD was transferred to sample 11PH-TU090-L-100-6 because sample 11PH-TU017-R-100-6 had insufficient sample volume remaining to perform MS/MSD.

- d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- e. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected. Samples were not frozen upon receipt therefore not affected by the low temperatures.

4. Case Narrative

- a. Present and understandable?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- b. Discrepancies, errors or QC failures identified by the lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

QC failures are discussed in the relevant sections this checklist.

- c. Were all corrective actions documented?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. What is the effect on data quality/usability according to the case narrative?

Comments:

Data quality and usability were not affected.

5. Samples Results

a. Correct analyses performed/reported as requested on COC?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

b. All applicable holding times met?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

c. All soils reported on a dry weight basis?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

Yes ☒ No ☐ NA (Please explain.)

Comments:

Several LOQs reported in this SDG were greater than the minimum required detection level. The LOD was evaluated against the clean up level. There were no samples in this SDG with LODs greater than the clean up level.

e. Data quality or usability affected?

Comments:

Data quality and usability were not affected.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

ii. All method blank results less than PQL?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. If above PQL, what samples are affected?

Yes ☐ No ☒ NA (Please explain.)

Comments:

All method blank results were less than the LOQ.

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

☐ Yes ☒ No ☐ NA (Please explain.)

Comments:

No Metals/Inorganics analyses were performed.

iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

Yes ☒ No ☐ NA (Please explain.)

Comments:

%R for samples 11PH-TU014-L-100-6 MS/MSD, 11PH-TU090-L-100-6 MSD, 11PH-TU090-R-75-12 MSD, and 11PH-TU038-L-100-6, exceeded QC criteria. Parent samples were not qualified because the matrix spike concentration did not exceed the parent sample concentration by a factor of two. Laboratory sample 1056113MS exceeded QC criteria however, this was not a Port Heiden project sample. All LCS %R were within DoD QSM limits.

iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

Yes ☒ No ☐ NA (Please explain.)

Comments:

RPD for parent samples 11PH-TU090-R-75-12 MS/MSD exceeded QC criteria. The LCS was evaluated for QC accuracy. A LCSD was not evaluated for method SW8082A.

v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

No parent samples were affected by the MS/MSD RPD QC exceedance because the matrix spike concentration did not exceed the parent sample concentration by a factor of two.

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

There were no affected samples.

vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

Data quality and usability were not affected.

c. Surrogates – Organics Only

i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

Data quality and usability were not affected.

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

Volatile analyses were not performed.

ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

iii. All results less than PQL?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

iv. If above PQL, what samples are affected?

Comments:

N/A

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

☐ Yes ☒ No ☐ NA (Please explain.)

Comments:

Three field duplicates were submitted for 76 samples in this SDG.

ii. Submitted blind to lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. Precision – All relative percent differences (RPD) less than specified DQOs?
(Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

Data quality was minimally affected due to the limited field duplicate. Data usability was not affected.

f. Decontamination or Equipment Blank (If not used explain why).

Yes ☐ No ☒ NA (Please explain.) Comments:

A decontamination blank was not collected.

i. All results less than PQL?

Yes ☐ No ☒ NA (Please explain.) Comments:

N/A

ii. If above PQL, what samples are affected?

Comments:

N/A

iii. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Laboratory Data Review Checklist

Completed by: Julieanna Orczewska

Title: Project Chemist Date: 18 January 2012

CS Report Name: EE/CA Site Road PCB Removal, Port Heiden, Alaska 2012 Report Date: January 2012

Consultant Firm: Jacobs Engineering Group Inc.

Laboratory Name: SGS-Alaska Laboratory Report Number: 1114721

ADEC File Number: ADEC RecKey Number:

1. Laboratory

- a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
☐ Yes ☐ No ☒ NA (Please explain.) Comments:

All samples were analyzed by SGS-Alaska.

2. Chain of Custody (COC)

- a. COC information completed, signed, and dated (including released/received by)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. Correct analyses requested?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

3. Laboratory Sample Receipt Documentation

- a. Sample/cooler temperature documented and within range at receipt ($4^{\circ} \pm 2^{\circ} \text{C}$)?
Yes ☒ No ☐ NA (Please explain.) Comments:

Cooler ‘R2-D2’ temperature blank was 2.3°C.

- b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- e. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

4. Case Narrative

- a. Present and understandable?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- b. Discrepancies, errors or QC failures identified by the lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

QC failures are discussed in the relevant sections this checklist.

- c. Were all corrective actions documented?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. What is the effect on data quality/usability according to the case narrative?

Comments:

Data quality and usability were not affected.

5. Samples Results

- a. Correct analyses performed/reported as requested on COC?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

b. All applicable holding times met?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

c. All soils reported on a dry weight basis?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

Yes ☒ No ☐ NA (Please explain.)

Comments:

Several LOQs reported in this SDG were greater than the minimum required detection level. The LOD was evaluated against the clean up level. There were no samples in this SDG with LODs greater than the clean up level.

e. Data quality or usability affected?

Comments:

Data quality and usability were not affected.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

ii. All method blank results less than PQL?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. If above PQL, what samples are affected?

Yes ☐ No ☒ NA (Please explain.)

Comments:

All method blank results were less than the LOQ.

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

- i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

☐ Yes ☒ No ☐ NA (Please explain.) Comments:

No Metals/Inorganics analyses were performed.

- iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

Yes ☒ No ☐ NA (Please explain.) Comments:

%R for samples 11PH-TU027-R1-C-6 MS/MSD, 11PH-TU019-L-75-6 MS, 11PH-TU033-R1-A-6 MS/MSD, and 11PH-TU031-R1-B-6 exceeded QC criteria. Parent samples were not qualified because the matrix spike concentration did not exceed the parent sample concentration by a factor of two. Laboratory samples 1055992 and 1055993 exceeded QC criteria however, these were not Port Heiden project samples. All LCS %R were within DoD QSM limits.

- iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

No parent samples were affected by the MS/MSD %R QC exceedance because the matrix spike concentrations did not exceed the parent sample concentration by a factor of two.

- vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.) Comments:

There were no affected samples.

- vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

Data quality and usability were not affected.

c. Surrogates – Organics Only

- i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

- iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

Data quality and usability were not affected.

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

- i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

Volatile analyses were not performed.

- ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iii. All results less than PQL?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iv. If above PQL, what samples are affected?

Comments:

N/A

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

☐ Yes ☒ No ☐ NA (Please explain.)

Comments:

Four field duplicates were submitted for 78 samples in this SDG.

ii. Submitted blind to lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. Precision – All relative percent differences (RPD) less than specified DQOs?
(Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

Data quality was minimally affected due to the limited field duplicate. Data usability was not affected.

f. Decontamination or Equipment Blank (If not used explain why).

Yes ☐ No ☒ NA (Please explain.) Comments:

A decontamination blank was not collected.

i. All results less than PQL?

Yes ☐ No ☒ NA (Please explain.) Comments:

N/A

ii. If above PQL, what samples are affected?

Comments:

N/A

iii. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Laboratory Data Review Checklist

Completed by: Julieanna Orczewska

Title: Project Chemist Date: 18 January 2012

CS Report Name: EE/CA Site Road PCB Removal, Port Heiden, Alaska 2012 Report Date: January 2012

Consultant Firm: Jacobs Engineering Group Inc.

Laboratory Name: SGS-Alaska Laboratory Report Number: 1114723

ADEC File Number: ADEC RecKey Number:

1. Laboratory

- a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
☐ Yes ☐ No ☒ NA (Please explain.) Comments:

All samples were analyzed by SGS-Alaska.

2. Chain of Custody (COC)

- a. COC information completed, signed, and dated (including released/received by)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. Correct analyses requested?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

3. Laboratory Sample Receipt Documentation

- a. Sample/cooler temperature documented and within range at receipt ($4^{\circ} \pm 2^{\circ} \text{C}$)?
Yes ☒ No ☐ NA (Please explain.) Comments:

Cooler ‘Yoda’ temperature blank was 1.4°C .

- b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- e. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected. Samples were not frozen upon receipt; therefore, data was not affect by the low temperature.

4. Case Narrative

- a. Present and understandable?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- b. Discrepancies, errors or QC failures identified by the lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

QC failures are discussed in the relevant sections this checklist.

- c. Were all corrective actions documented?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. What is the effect on data quality/usability according to the case narrative?

Comments:

Data quality and usability were not affected.

5. Samples Results

- a. Correct analyses performed/reported as requested on COC?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

b. All applicable holding times met?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

c. All soils reported on a dry weight basis?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

Yes ☒ No ☐ NA (Please explain.)

Comments:

Several LOQs reported in this SDG were greater than the minimum required detection level. The LOD was evaluated against the clean up level. There were no samples in this SDG with LODs greater than the clean up level.

e. Data quality or usability affected?

Comments:

Data quality and usability were not affected.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

ii. All method blank results less than PQL?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. If above PQL, what samples are affected?

Yes ☐ No ☒ NA (Please explain.)

Comments:

All method blank results were less than the LOQ.

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

- i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

☐ Yes ☒ No ☐ NA (Please explain.) Comments:

No Metals/Inorganics analyses were performed.

- iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

Yes ☒ No ☐ NA (Please explain.) Comments:

%R for laboratory samples 1114789026 MS/MSD exceeded laboratory QC criteria however, these were not Port Heiden project samples. All LCS %R were within DoD QSM limits.

- iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

- vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.) Comments:

There were no affected Port Heiden samples.

- vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

Data quality and usability were not affected.

c. Surrogates – Organics Only

- i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

- iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

Data quality and usability were not affected.

- d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

- i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

Volatile analyses were not performed.

- ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iii. All results less than PQL?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iv. If above PQL, what samples are affected?

Comments:

N/A

- v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

☐ Yes ☒ No ☐ NA (Please explain.)

Comments:

Two field duplicates were submitted for 42 samples in this SDG.

ii. Submitted blind to lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. Precision – All relative percent differences (RPD) less than specified DQOs?
(Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

Data quality was minimally affected due to the limited field duplicate. Data usability was not affected.

f. Decontamination or Equipment Blank (If not used explain why).

Yes ☐ No ☒ NA (Please explain.)

Comments:

A decontamination blank was not collected.

i. All results less than PQL?

Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

ii. If above PQL, what samples are affected?

Comments:

N/A

iii. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

Laboratory Data Review Checklist

Completed by: Julieanna Orczewska

Title: Project Chemist

Date: 18 January 2012

CS Report Name: EE/CA Site Road PCB Removal, Port Heiden, Alaska 2012

Report Date: January 2012

Consultant Firm:

Jacobs Engineering Group Inc.

Laboratory Name: SGS-Alaska

Laboratory Report Number: 1114724

ADEC File Number:

ADEC RecKey Number:

1. Laboratory

- a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

All samples were analyzed by SGS-Alaska.

2. Chain of Custody (COC)

- a. COC information completed, signed, and dated (including released/received by)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- b. Correct analyses requested?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

3. Laboratory Sample Receipt Documentation

- a. Sample/cooler temperature documented and within range at receipt ($4^{\circ} \pm 2^{\circ} \text{C}$)?

Yes ☒ No ☐ NA (Please explain.)

Comments:

Cooler ‘Yoda’ temperature blank was 1.4°C .

- b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- e. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected. Samples were not frozen upon receipt; therefore, not affected by the low temperature.

4. Case Narrative

- a. Present and understandable?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- b. Discrepancies, errors or QC failures identified by the lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

QC failures are discussed in the relevant sections this checklist.

- c. Were all corrective actions documented?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. What is the effect on data quality/usability according to the case narrative?

Comments:

Data quality and usability were not affected.

5. Samples Results

- a. Correct analyses performed/reported as requested on COC?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

b. All applicable holding times met?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

c. All soils reported on a dry weight basis?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

Yes ☒ No ☐ NA (Please explain.)

Comments:

Several LOQs reported in this SDG were greater than the minimum required detection level. The LOD was evaluated against the clean up level. There were no samples in this SDG with LODs greater than the clean up level.

e. Data quality or usability affected?

Comments:

Data quality and usability were not affected.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

ii. All method blank results less than PQL?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. If above PQL, what samples are affected?

Yes ☐ No ☒ NA (Please explain.)

Comments:

All method blank results were less than the LOQ.

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

- i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

☐ Yes ☒ No ☐ NA (Please explain.) Comments:

No Metals/Inorganics analyses were performed.

- iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

Yes ☒ No ☐ NA (Please explain.) Comments:

%R for laboratory samples 1114721038 MS and 1114721028 MS/MSD for Aroclor-1260 exceeded QC criteria however these were not Port Heiden project samples. All LCS %R were within DoD QSM limits.

- iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

- vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.) Comments:

There were no affected Port Heiden samples.

- vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

Data quality and usability were not affected.

c. Surrogates – Organics Only

- i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

- iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

Data quality and usability were not affected.

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

- i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

Volatile analyses were not performed.

- ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iii. All results less than PQL?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iv. If above PQL, what samples are affected?

Comments:

N/A

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

☐ Yes ☒ No ☐ NA (Please explain.)

Comments:

Two field duplicates were submitted for 30 samples in this SDG.

ii. Submitted blind to lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. Precision – All relative percent differences (RPD) less than specified DQOs?
(Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

Data quality was minimally affected due to the limited field duplicate. Data usability was not affected.

f. Decontamination or Equipment Blank (If not used explain why).

Yes ☐ No ☒ NA (Please explain.) Comments:

A decontamination blank was not collected.

i. All results less than PQL?

Yes ☐ No ☒ NA (Please explain.) Comments:

N/A

ii. If above PQL, what samples are affected?

Comments:

N/A

iii. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Laboratory Data Review Checklist

Completed by: Julieanna Orczewska

Title: Project Chemist Date: 18 January 2012

CS Report Name: EE/CA Site Road PCB Removal, Port Heiden, Alaska 2012 Report Date: January 2012

Consultant Firm: Jacobs Engineering Group Inc.

Laboratory Name: SGS-Alaska Laboratory Report Number: 1114790

ADEC File Number: ADEC RecKey Number:

1. Laboratory

- a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
☐ Yes ☐ No ☒ NA (Please explain.) Comments:

All samples were analyzed by SGS-Alaska.

2. Chain of Custody (COC)

- a. COC information completed, signed, and dated (including released/received by)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. Correct analyses requested?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

3. Laboratory Sample Receipt Documentation

- a. Sample/cooler temperature documented and within range at receipt ($4^{\circ} \pm 2^{\circ} \text{C}$)?
Yes ☒ No ☐ NA (Please explain.) Comments:

Cooler ‘C3PO’ temperature blank was 4.1°C .

- b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- e. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

4. Case Narrative

- a. Present and understandable?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- b. Discrepancies, errors or QC failures identified by the lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

QC failures are discussed in the relevant sections this checklist.

- c. Were all corrective actions documented?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. What is the effect on data quality/usability according to the case narrative?

Comments:

Data quality and usability were not affected.

5. Samples Results

- a. Correct analyses performed/reported as requested on COC?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

b. All applicable holding times met?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

c. All soils reported on a dry weight basis?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

e. Data quality or usability affected?

Comments:

Data quality and usability were not affected.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

ii. All method blank results less than PQL?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. If above PQL, what samples are affected?

Yes ☐ No ☒ NA (Please explain.)

Comments:

All method blank results were less than the LOQ.

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

- i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

☐ Yes ☒ No ☐ NA (Please explain.) Comments:

No Metals/Inorganics analyses were performed.

- iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

Yes ☒ No ☐ NA (Please explain.) Comments:

%R for laboratory samples 1114791082 MS, 1114791028 MS/MSD, and 1057699 for Aroclor-1260 exceeded QC criteria however these were not Port Heiden project samples. Sample 11PH-TU012-L1-E-6 LCS %R was initially below laboratory limits however, the sample was re-extracted and met criteria. There were no LCSD samples run for method SW8082.

- iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

- vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.) Comments:

There were no Port Heiden samples requiring data flags in this SDG.

- vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

Data quality and usability were not affected.

c. Surrogates – Organics Only

- i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)
Yes ☒ No ☐ NA (Please explain.) Comments:

%R for Decachlorobiphenyl for sample 11PH-TU012-L1-E-6 exceeded QC criteria.

- iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Sample 11PH-TU012-L1-E-6 for Aroclor-1260 was flagged JS+. All other analytes for sample 11PH-TU012-L1-E-6 did not require data flags because surrogate indicated a high bias and the analyte results were nondetect.

- iv. Data quality or usability affected? (Use the comment box to explain.)
Comments:

Data quality was minimally affected due to surrogate QC exceedances. Data usability was not affected.

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

- i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)
☐ Yes ☐ No ☒ NA (Please explain.) Comments:

Volatile analyses were not performed.

- ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)
☐ Yes ☐ No ☒ NA (Please explain.) Comments:

N/A

- iii. All results less than PQL?
☐ Yes ☐ No ☒ NA (Please explain.) Comments:

N/A

iv. If above PQL, what samples are affected?

Comments:

N/A

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

☐ Yes ☒ No ☐ NA (Please explain.)

Comments:

Three field duplicates were submitted for 72 samples in this SDG.

ii. Submitted blind to lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. Precision – All relative percent differences (RPD) less than specified DQOs?
(Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

Data quality was minimally affected due to the limited field duplicate. Data usability was not affected.

f. Decontamination or Equipment Blank (If not used explain why).

Yes ☐ No ☒ NA (Please explain.)

Comments:

A decontamination blank was not collected.

i. All results less than PQL?

Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

ii. If above PQL, what samples are affected?

Comments:

N/A

iii. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

Laboratory Data Review Checklist

Completed by: Julieanna Orczewska

Title: Project Chemist Date: 18 January 2012

CS Report Name: EE/CA Site Road PCB Removal, Port Heiden, Alaska 2012 Report Date: January 2012

Consultant Firm: Jacobs Engineering Group Inc.

Laboratory Name: SGS-Alaska Laboratory Report Number: 1114791

ADEC File Number: ADEC RecKey Number:

1. Laboratory

- a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
☐ Yes ☐ No ☒ NA (Please explain.) Comments:

All samples were analyzed by SGS-Alaska.

2. Chain of Custody (COC)

- a. COC information completed, signed, and dated (including released/received by)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. Correct analyses requested?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

3. Laboratory Sample Receipt Documentation

- a. Sample/cooler temperature documented and within range at receipt ($4^{\circ} \pm 2^{\circ} \text{C}$)?
Yes ☒ No ☐ NA (Please explain.) Comments:

Cooler ‘Count Dooku’ temperature blank was 2.4°C .

- b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- e. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

4. Case Narrative

- a. Present and understandable?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- b. Discrepancies, errors or QC failures identified by the lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

QC failures are discussed in the relevant sections this checklist.

- c. Were all corrective actions documented?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. What is the effect on data quality/usability according to the case narrative?

Comments:

Data quality and usability were not affected.

5. Samples Results

- a. Correct analyses performed/reported as requested on COC?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

b. All applicable holding times met?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

c. All soils reported on a dry weight basis?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

Yes ☒ No ☐ NA (Please explain.)

Comments:

Several LOQs reported in this SDG were greater than the minimum required detection level. The LOD was evaluated against the clean up level. There were no samples in this SDG with LODs greater than the clean up level.

e. Data quality or usability affected?

Comments:

Data quality and usability were not affected.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

ii. All method blank results less than PQL?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. If above PQL, what samples are affected?

Yes ☐ No ☒ NA (Please explain.)

Comments:

All method blank results were less than the LOQ.

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

- i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

☐ Yes ☒ No ☐ NA (Please explain.) Comments:

No Metals/Inorganics analyses were performed.

- iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

Yes ☒ No ☐ NA (Please explain.) Comments:

%R for laboratory samples 1114791008, 1114791028, 1114923006 MS/MSD for Aroclor-1260 and 114923006 MS for Aroclor-1016 exceeded QC criteria however these were not Port Heiden project samples. The %R for samples 11PH-SS025-D5-6 MS, 11PH-TU021-R1-A-6 MS/MSD, and 11PH-TU029-L3-A-6 MSD exceeded QC criteria. These samples were not qualified because the matrix spike concentration did not exceed the native sample concentration by a factor of two. All LCS %R were within DoD QSM limits.

- iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

No samples were affected.

- vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.) Comments:

Parent samples were not qualified because the matrix spike concentration did not exceed the native sample concentration by a factor of two.

- vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

Data quality and usability were not affected.

c. Surrogates – Organics Only

- i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

- iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

Data quality and usability were not affected.

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

- i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

Volatile analyses were not performed.

- ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iii. All results less than PQL?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iv. If above PQL, what samples are affected?

Comments:

N/A

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

☐ Yes ☒ No ☐ NA (Please explain.)

Comments:

Three field duplicates were submitted for 90 samples in this SDG.

ii. Submitted blind to lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. Precision – All relative percent differences (RPD) less than specified DQOs?
(Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

Data quality was minimally affected due to the limited field duplicate. Data usability was not affected.

f. Decontamination or Equipment Blank (If not used explain why).

Yes ☐ No ☒ NA (Please explain.) Comments:

A decontamination blank was not collected.

i. All results less than PQL?

Yes ☐ No ☒ NA (Please explain.) Comments:

N/A

ii. If above PQL, what samples are affected?

Comments:

N/A

iii. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Laboratory Data Review Checklist

Completed by: Julieanna Orczewska

Title: Project Chemist Date: 19 January 2012

CS Report Name: EE/CA Site Road PCB Removal, Port Heiden, Alaska 2012 Report Date: January 2012

Consultant Firm: Jacobs Engineering Group Inc.

Laboratory Name: SGS-Alaska Laboratory Report Number: 1114792

ADEC File Number: ADEC RecKey Number:

1. Laboratory

- a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
☐ Yes ☐ No ☒ NA (Please explain.) Comments:

All samples were analyzed by SGS-Alaska.

2. Chain of Custody (COC)

- a. COC information completed, signed, and dated (including released/received by)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. Correct analyses requested?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

3. Laboratory Sample Receipt Documentation

- a. Sample/cooler temperature documented and within range at receipt ($4^{\circ} \pm 2^{\circ} \text{C}$)?
Yes ☒ No ☐ NA (Please explain.) Comments:

Cooler ‘Boba Fett’ temperature blank was 2.4°C.

- b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- e. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

4. Case Narrative

- a. Present and understandable?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- b. Discrepancies, errors or QC failures identified by the lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

QC failures are discussed in the relevant sections this checklist.

- c. Were all corrective actions documented?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. What is the effect on data quality/usability according to the case narrative?

Comments:

Data quality and usability were not affected.

5. Samples Results

- a. Correct analyses performed/reported as requested on COC?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

b. All applicable holding times met?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

c. All soils reported on a dry weight basis?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

Yes ☒ No ☐ NA (Please explain.)

Comments:

Several LOQs reported in this SDG were greater than the minimum required detection level. The LOD was evaluated against the clean up level. There were no samples in this SDG with LODs greater than the clean up level.

e. Data quality or usability affected?

Comments:

Data quality and usability were not affected.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

ii. All method blank results less than PQL?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. If above PQL, what samples are affected?

Yes ☐ No ☒ NA (Please explain.)

Comments:

All method blank results were less than the LOQ.

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

- i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

☐ Yes ☒ No ☐ NA (Please explain.) Comments:

No Metals/Inorganics analyses were performed.

- iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

Yes ☒ No ☐ NA (Please explain.) Comments:

%R for laboratory samples 1114791008 MS/MSD for Aroclor-1260 and Aroclor-1016 exceeded QC criteria however these were not Port Heiden project samples. The %R for samples 11PH-SS010-B0-6MS, 11PH-SS011-E0-6MS/MSD, 11PH-SS010-A0-6 MS/MSD for Aroclor-1260 exceeded QC criteria. These samples were not qualified because the matrix spike concentration did not exceed the native sample concentration by a factor of two. All LCS %R were within DoD QSM limits.

- iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

Yes ☒ No ☐ NA (Please explain.) Comments:

RPD for MS/MSD laboratory sample 1114791008 exceeded QC criteria however this was not a Port Heiden project sample.

- v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

No Port Heiden project samples were affected.

- vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.) Comments:

Parent samples were not qualified because the matrix spike concentration did not exceed the native sample concentration by a factor of two.

- vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

Data quality and usability were not affected.

c. Surrogates – Organics Only

- i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

- iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

Data quality and usability were not affected.

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

- i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

Volatile analyses were not performed.

- ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iii. All results less than PQL?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iv. If above PQL, what samples are affected?

Comments:

N/A

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

☐ Yes ☒ No ☐ NA (Please explain.)

Comments:

Four field duplicates were submitted for 72 samples in this SDG.

ii. Submitted blind to lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. Precision – All relative percent differences (RPD) less than specified DQOs?
(Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

Data quality was minimally affected due to the limited field duplicates. Data usability was not affected.

f. Decontamination or Equipment Blank (If not used explain why).

Yes ☐ No ☒ NA (Please explain.) Comments:

A decontamination blank was not collected.

i. All results less than PQL?

Yes ☐ No ☒ NA (Please explain.) Comments:

N/A

ii. If above PQL, what samples are affected?

Comments:

N/A

iii. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Laboratory Data Review Checklist

Completed by: Julieanna Orczewska

Title: Project Chemist Date: 19 January 2012

CS Report Name: EE/CA Site Road PCB Removal, Port Heiden, Alaska 2012 Report Date: January 2012

Consultant Firm: Jacobs Engineering Group Inc.

Laboratory Name: SGS-Alaska Laboratory Report Number: 1114984

ADEC File Number: ADEC RecKey Number:

1. Laboratory

- a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
☐ Yes ☐ No ☒ NA (Please explain.) Comments:

All samples were analyzed by SGS-Alaska.

2. Chain of Custody (COC)

- a. COC information completed, signed, and dated (including released/received by)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. Correct analyses requested?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

3. Laboratory Sample Receipt Documentation

- a. Sample/cooler temperature documented and within range at receipt ($4^{\circ} \pm 2^{\circ} \text{C}$)?
Yes ☒ No ☐ NA (Please explain.) Comments:

Cooler ‘Geedo’ temperature blank was 1.8°C .

- b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

A trip blank was included in this cooler that was not needed for method SW8082. Jacobs project chemist requested that SGS did not analyze the trip blank.

- e. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

4. Case Narrative

- a. Present and understandable?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- b. Discrepancies, errors or QC failures identified by the lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

There were no analytical anomalies associated with the field samples in this SDG.

- c. Were all corrective actions documented?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. What is the effect on data quality/usability according to the case narrative?

Comments:

Data quality and usability were not affected.

5. Samples Results

- a. Correct analyses performed/reported as requested on COC?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

b. All applicable holding times met?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

c. All soils reported on a dry weight basis?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

e. Data quality or usability affected?

Comments:

Data quality and usability were not affected.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

ii. All method blank results less than PQL?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. If above PQL, what samples are affected?

Yes ☐ No ☒ NA (Please explain.)

Comments:

All method blank results were less than the LOQ.

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

- i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

☐ Yes ☒ No ☐ NA (Please explain.) Comments:

No Metals/Inorganics analyses were performed.

- iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

An MS/MSD was not run for this SDG. The sample in this SDG was used for waste characterization purposes; the LCS/LCSD was used to verify QC accuracy. All LCS %R were within DoD QSM limits.

- v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

No samples were affected.

- vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.) Comments:

No samples were affected.

- vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

Data quality and usability was not affected by the missing MS/MSD samples.

c. Surrogates – Organics Only

- i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

- iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

Data quality and usability were not affected.

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

- i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

Volatile analyses were not performed.

- ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

A trip blank was included in cooler Geedo however; the VOA was not analyzed for method SW8082.

- iii. All results less than PQL?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

iv. If above PQL, what samples are affected?

Comments:

N/A

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

☐ Yes ☒ No ☐ NA (Please explain.)

Comments:

There were no field duplicates submitted in this SDG.

ii. Submitted blind to lab?

Yes ☐ No ☒ NA (Please explain.)

Comments:

There were no field duplicates submitted in this SDG.

iii. Precision – All relative percent differences (RPD) less than specified DQOs?
(Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

Yes ☐ No ☒ NA (Please explain.)

Comments:

There were no field duplicates submitted in this SDG.

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

Data quality and usability were not affected because samples included in this SDG were for waste characterization only.

f. Decontamination or Equipment Blank (If not used explain why).

Yes ☐ No ☒ NA (Please explain.)

Comments:

A decontamination blank was not collected.

i. All results less than PQL?

Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

ii. If above PQL, what samples are affected?

Comments:

N/A

iii. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

Laboratory Data Review Checklist

Completed by: Julieanna Orczewska

Title: Project Chemist Date: 19 January 2012

CS Report Name: EE/CA Site Road PCB Removal, Port Heiden, Alaska 2012 Report Date: January 2012

Consultant Firm: Jacobs Engineering Group Inc.

Laboratory Name: SGS-Alaska Laboratory Report Number: 1115012

ADEC File Number: ADEC RecKey Number:

1. Laboratory

- a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
☐ Yes ☐ No ☒ NA (Please explain.) Comments:

All samples were analyzed by SGS-Alaska.

2. Chain of Custody (COC)

- a. COC information completed, signed, and dated (including released/received by)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. Correct analyses requested?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

3. Laboratory Sample Receipt Documentation

- a. Sample/cooler temperature documented and within range at receipt ($4^{\circ} \pm 2^{\circ} \text{C}$)?
Yes ☒ No ☐ NA (Please explain.) Comments:

Cooler ‘B-Wing’ temperature blank was 0.7°C .

- b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- e. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected. Samples were not frozen upon receipt; therefore, not affected by the low temperature.

4. Case Narrative

- a. Present and understandable?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- b. Discrepancies, errors or QC failures identified by the lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

QC failures are discussed in the relevant sections this checklist.

- c. Were all corrective actions documented?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. What is the effect on data quality/usability according to the case narrative?

Comments:

Data quality and usability were not affected.

5. Samples Results

- a. Correct analyses performed/reported as requested on COC?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

b. All applicable holding times met?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

c. All soils reported on a dry weight basis?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

e. Data quality or usability affected?

Comments:

Data quality and usability were not affected.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

ii. All method blank results less than PQL?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. If above PQL, what samples are affected?

Yes ☐ No ☒ NA (Please explain.)

Comments:

All method blank results were less than the LOQ.

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

- i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

☐ Yes ☒ No ☐ NA (Please explain.) Comments:

No Metals/Inorganics analyses were performed.

- iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

Yes ☒ No ☐ NA (Please explain.) Comments:

%R for samples 11PH-SS087-A5-6 MS and 11PH-SS088-C5-6 MS/MSD for Aroclor-1260 exceeded QC criteria. Sample 11PH-SS088-C5-6 MS/MSD was not qualified because the matrix spike concentration did not exceed the native sample concentration by a factor of two.

- iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

Yes ☒ No ☐ NA (Please explain.) Comments:

RPD for MS/MSD sample 11PH-SS088-C5-6 for Aroclor-1016 exceeded QC criteria. All LCS %R were within DoD QSM limits. There were no LCSD samples run in this SDG.

- v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

Sample 11PH-SS087-A5-6 MS for Aroclor-1260 was flagged JM-.

- vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.) Comments:

Sample 11PH-SS087-A5-6 MS for Aroclor-1260 was flagged JM-.

- vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

Data quality was minimally affected by the MS/MSD %R QC exceedance. Data usability was not affected.

c. Surrogates – Organics Only

- i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

- iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

Data quality and usability were not affected.

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

- i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

Volatile analyses were not performed.

- ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iii. All results less than PQL?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iv. If above PQL, what samples are affected?

Comments:

N/A

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

☐ Yes ☒ No ☐ NA (Please explain.)

Comments:

Two field duplicates were submitted for 30 samples in this SDG.

ii. Submitted blind to lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. Precision – All relative percent differences (RPD) less than specified DQOs?
(Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

Data quality was minimally affected due to the limited field duplicates. Data usability was not affected.

f. Decontamination or Equipment Blank (If not used explain why).

Yes ☐ No ☒ NA (Please explain.) Comments:

A decontamination blank was not collected.

i. All results less than PQL?

Yes ☐ No ☒ NA (Please explain.) Comments:

N/A

ii. If above PQL, what samples are affected?

Comments:

N/A

iii. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Laboratory Data Review Checklist

Completed by: Julieanna Orczewska

Title: Project Chemist Date: 19 January 2012

CS Report Name: EE/CA Site Road PCB Removal, Port Heiden, Alaska 2012 Report Date: January 2012

Consultant Firm: Jacobs Engineering Group Inc.

Laboratory Name: SGS-Alaska Laboratory Report Number: 1115057

ADEC File Number: ADEC RecKey Number:

1. Laboratory

- a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
☐ Yes ☐ No ☒ NA (Please explain.) Comments:

All samples were analyzed by SGS-Alaska.

2. Chain of Custody (COC)

- a. COC information completed, signed, and dated (including released/received by)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. Correct analyses requested?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

3. Laboratory Sample Receipt Documentation

- a. Sample/cooler temperature documented and within range at receipt ($4^{\circ} \pm 2^{\circ} \text{C}$)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Cooler ‘Lando Cairissian’ temperature blank was 2.8°C .

- b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- e. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

4. Case Narrative

- a. Present and understandable?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- b. Discrepancies, errors or QC failures identified by the lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

QC failures are discussed in the relevant sections this checklist.

- c. Were all corrective actions documented?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. What is the effect on data quality/usability according to the case narrative?

Comments:

Data quality and usability were not affected.

5. Samples Results

- a. Correct analyses performed/reported as requested on COC?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

b. All applicable holding times met?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

c. All soils reported on a dry weight basis?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

Yes ☒ No ☐ NA (Please explain.)

Comments:

Several LOQs reported in this SDG were greater than the minimum required detection level. The LOD was evaluated against the clean up level. There were no samples in this SDG with LODs greater than the clean up level.

e. Data quality or usability affected?

Comments:

Data quality and usability were not affected.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

ii. All method blank results less than PQL?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. If above PQL, what samples are affected?

Yes ☐ No ☒ NA (Please explain.)

Comments:

All method blank results were less than the LOQ.

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

- i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

☐ Yes ☒ No ☐ NA (Please explain.) Comments:

No Metals/Inorganics analyses were performed.

- iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

Yes ☒ No ☐ NA (Please explain.) Comments:

%R for samples 11PH-TU041-L3-E-6 MS/MSD, 11PH-TU001-R1-F-6 MS, 11PH-SS088-E0-6 MSD, and 11PH-TU089-L2-A-6 MS/MSD for Aroclor-1260 exceeded QC criteria. These samples were not qualified because the matrix spike concentration did not exceed the native sample concentration by a factor of two. The LCS %R were all within DoD QSM limits.

- iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

Yes ☒ No ☐ NA (Please explain.) Comments:

MS/MSD samples for 11PH-TU089-L2-A-6 exceeded RPD QC criteria.

- v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

There were no samples affected by QC exceedances because the matrix spike concentration did not exceed the native sample concentration by a factor of two.

- vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.) Comments:

Parent samples were not qualified because the matrix spike concentration did not exceed the native sample concentration by a factor of two.

- vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

Data quality and usability were not affected by the MS/MSD %R and RPD exceedances.

c. Surrogates – Organics Only

- i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

- iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

Data quality and usability were not affected.

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

- i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

Volatile analyses were not performed.

- ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iii. All results less than PQL?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iv. If above PQL, what samples are affected?

Comments:

N/A

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

☐ Yes ☒ No ☐ NA (Please explain.)

Comments:

Three field duplicates were submitted for 74 samples in this SDG.

ii. Submitted blind to lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. Precision – All relative percent differences (RPD) less than specified DQOs?
(Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

Yes ☒ No ☐ NA (Please explain.)

Comments:

RPD for duplicate pair 11PH-TU088-L1-C-6 and 11PH-TU088X-L1-C-6 Aroclor-1260 exceeded QC criteria.

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

Data quality was minimally affected due to the limited field duplicates and the duplicate RPD exceedance for Aroclor-1260. Data usability was not affected.

f. Decontamination or Equipment Blank (If not used explain why).

Yes ☐ No ☒ NA (Please explain.) Comments:

A decontamination blank was not collected.

i. All results less than PQL?

Yes ☐ No ☒ NA (Please explain.) Comments:

N/A

ii. If above PQL, what samples are affected?

Comments:

N/A

iii. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Laboratory Data Review Checklist

Completed by: Julieanna Orczewska

Title: Project Chemist Date: 19 January 2012

CS Report Name: EE/CA Site Road PCB Removal, Port Heiden, Alaska 2012 Report Date: January 2012

Consultant Firm: Jacobs Engineering Group Inc.

Laboratory Name: SGS-Alaska Laboratory Report Number: 1115059

ADEC File Number: ADEC RecKey Number:

1. Laboratory

- a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
☐ Yes ☐ No ☒ NA (Please explain.) Comments:

All samples were analyzed by SGS-Alaska.

2. Chain of Custody (COC)

- a. COC information completed, signed, and dated (including released/received by)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. Correct analyses requested?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

3. Laboratory Sample Receipt Documentation

- a. Sample/cooler temperature documented and within range at receipt ($4^{\circ} \pm 2^{\circ} \text{C}$)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Cooler ‘Jango Fett’ temperature blank was 2.8°C .

- b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- e. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

4. Case Narrative

- a. Present and understandable?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- b. Discrepancies, errors or QC failures identified by the lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

QC failures are discussed in the relevant sections this checklist.

- c. Were all corrective actions documented?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. What is the effect on data quality/usability according to the case narrative?

Comments:

Data quality and usability were not affected.

5. Samples Results

- a. Correct analyses performed/reported as requested on COC?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

b. All applicable holding times met?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

c. All soils reported on a dry weight basis?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

e. Data quality or usability affected?

Comments:

Data quality and usability were not affected.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

ii. All method blank results less than PQL?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. If above PQL, what samples are affected?

Yes ☐ No ☒ NA (Please explain.)

Comments:

All method blank results were less than the LOQ.

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

- i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

☐ Yes ☒ No ☐ NA (Please explain.) Comments:

No Metals/Inorganics analyses were performed.

- iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

Yes ☒ No ☐ NA (Please explain.) Comments:

%R for laboratory samples 1115012019 MS/MSD exceeded QC criteria however these were not Port Heiden project samples. Sample 11PH-SS087-B0-6 MS for Aroclor-1260 exceeded %R QC criteria. All LCS %R were within DoD QSM limits.

- iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

Yes ☒ No ☐ NA (Please explain.) Comments:

MS/MSD laboratory samples for 1115012019 exceeded RPD QC criteria, however this was not a Port Heiden project sample.

- v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

Sample 11PH-SS087-B0-6 was qualified JM- due to MS %R QC exceedance.

- vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Sample 11PH-SS087-B0-6 was qualified JM- due to MS %R QC exceedance.

- vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

Data quality was minimally affected by the MS %R exceedance. Data usability was not affected.

c. Surrogates – Organics Only

- i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

- iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

Data quality and usability were not affected.

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

- i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

Volatile analyses were not performed.

- ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iii. All results less than PQL?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iv. If above PQL, what samples are affected?

Comments:

N/A

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

☐ Yes ☒ No ☐ NA (Please explain.)

Comments:

Three field duplicates were submitted for 73 samples in this SDG.

ii. Submitted blind to lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. Precision – All relative percent differences (RPD) less than specified DQOs?
(Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

Yes ☒ No ☐ NA (Please explain.)

Comments:

RPD for duplicate pair 11PH-GP088-R-10-12 and 11PH-GP088X-R-10-12 Aroclor-1260 exceeded QC criteria.

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

Data quality was minimally affected due to the limited field duplicates and the duplicate RPD exceedance for Aroclor-1260. Data usability was not affected.

f. Decontamination or Equipment Blank (If not used explain why).

Yes ☐ No ☒ NA (Please explain.) Comments:

A decontamination blank was not collected.

i. All results less than PQL?

Yes ☐ No ☒ NA (Please explain.) Comments:

N/A

ii. If above PQL, what samples are affected?

Comments:

N/A

iii. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Laboratory Data Review Checklist

Completed by: Julieanna Orczewska

Title: Project Chemist Date: 19 January 2012

CS Report Name: EE/CA Site Road PCB Removal, Port Heiden, Alaska 2012 Report Date: January 2012

Consultant Firm: Jacobs Engineering Group Inc.

Laboratory Name: SGS-Alaska Laboratory Report Number: 1115060

ADEC File Number: ADEC RecKey Number:

1. Laboratory

- a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
☐ Yes ☐ No ☒ NA (Please explain.) Comments:

All samples were analyzed by SGS-Alaska.

2. Chain of Custody (COC)

- a. COC information completed, signed, and dated (including released/received by)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. Correct analyses requested?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

3. Laboratory Sample Receipt Documentation

- a. Sample/cooler temperature documented and within range at receipt ($4^{\circ} \pm 2^{\circ} \text{C}$)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Cooler ‘General Greivous’ temperature blank was 3.6°C .

- b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- e. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

4. Case Narrative

- a. Present and understandable?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- b. Discrepancies, errors or QC failures identified by the lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

QC failures are discussed in the relevant sections this checklist.

- c. Were all corrective actions documented?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. What is the effect on data quality/usability according to the case narrative?

Comments:

Data quality and usability were not affected.

5. Samples Results

- a. Correct analyses performed/reported as requested on COC?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

b. All applicable holding times met?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

c. All soils reported on a dry weight basis?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

Yes ☒ No ☐ NA (Please explain.)

Comments:

Several LOQs reported in this SDG were greater than the minimum required detection level. The LOD was evaluated against the clean up level. There were no samples in this SDG with LODs greater than the clean up level.

e. Data quality or usability affected?

Comments:

Data quality and usability were not affected.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

ii. All method blank results less than PQL?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. If above PQL, what samples are affected?

Yes ☐ No ☒ NA (Please explain.)

Comments:

All method blank results were less than the LOQ.

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

- i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

☐ Yes ☒ No ☐ NA (Please explain.) Comments:

No Metals/Inorganics analyses were performed.

- iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

Yes ☒ No ☐ NA (Please explain.) Comments:

%R for laboratory samples 1115204011 MS/MSD Aroclor-1260 exceeded QC criteria however, this was not a Port Heiden project sample. %R for samples 11PH-TU021-L2-F-6MS and 11PH-SS089-E5-6 MS/MSD for Aroclor-1260 exceeded QC criteria. These samples were not qualified because the matrix spike concentration did not exceed the native sample concentration by a factor of two. All LCS %R were within DoD QSM limits.

- iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

There were not LCSD samples analyzed for this SDG.

- v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

There were no samples affected by QC exceedances because the matrix spike concentration did not exceed the native sample concentration by a factor of two.

- vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.) Comments:

Parent samples were not qualified because the matrix spike concentration did not exceed the native sample concentration by a factor of two.

- vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

Data quality and usability were not affected by the MS/MSD %R exceedances.

c. Surrogates – Organics Only

- i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

- iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

Data quality and usability were not affected.

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

- i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

Volatile analyses were not performed.

- ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iii. All results less than PQL?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iv. If above PQL, what samples are affected?

Comments:

N/A

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

☐ Yes ☒ No ☐ NA (Please explain.)

Comments:

Five field duplicates were submitted for 73 samples in this SDG.

ii. Submitted blind to lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. Precision – All relative percent differences (RPD) less than specified DQOs?
(Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

Data quality was minimally affected due to the limited field duplicates. Data usability was not affected.

f. Decontamination or Equipment Blank (If not used explain why).

Yes ☐ No ☒ NA (Please explain.) Comments:

A decontamination blank was not collected.

i. All results less than PQL?

Yes ☐ No ☒ NA (Please explain.) Comments:

N/A

ii. If above PQL, what samples are affected?

Comments:

N/A

iii. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Laboratory Data Review Checklist

Completed by: Julieanna Orczewska

Title: Project Chemist Date: 18 January 2012

CS Report Name: EE/CA Site Road PCB Removal, Port Heiden, Alaska 2012 Report Date: January 2012

Consultant Firm: Jacobs Engineering Group Inc.

Laboratory Name: SGS-Alaska Laboratory Report Number: 1115110

ADEC File Number: ADEC RecKey Number:

1. Laboratory

- a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
☐ Yes ☐ No ☒ NA (Please explain.) Comments:

All samples were analyzed at SGS-Alaska.

2. Chain of Custody (COC)

- a. COC information completed, signed, and dated (including released/received by)?
Yes ☒ No ☐ NA (Please explain.) Comments:

COC# 2011PTH036B was not signed and dated by the receiving party at SGS-Alaska. COC# 2011PTH036A was completed, signed, and dated by both parties.

- b. Correct analyses requested?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

3. Laboratory Sample Receipt Documentation

- a. Sample/cooler temperature documented and within range at receipt ($4^{\circ} \pm 2^{\circ} \text{C}$)?
Yes ☒ No ☐ NA (Please explain.) Comments:

Cooler ‘Lightsaber’ temperature blank was 0.8°C .

- b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- e. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected. Samples were not frozen upon receipt; therefore, not affected by the low temperature.

4. Case Narrative

- a. Present and understandable?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- b. Discrepancies, errors or QC failures identified by the lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

QC failures are discussed in the relevant sections this checklist.

- c. Were all corrective actions documented?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. What is the effect on data quality/usability according to the case narrative?

Comments:

Data quality and usability were not affected. The parent samples described in the case narrative (1115060071 and 1115333005) are not samples from the Port Heiden project.

5. Samples Results

- a. Correct analyses performed/reported as requested on COC?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

b. All applicable holding times met?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

c. All soils reported on a dry weight basis?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

e. Data quality or usability affected?

Comments:

Data quality and usability were not affected.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

ii. All method blank results less than PQL?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

All method blank results were less than the LOQ.

iii. If above PQL, what samples are affected?

Comments:

N/A

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

- i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

☐ Yes ☒ No ☐ NA (Please explain.) Comments:

No Metals/Inorganics analyses were performed.

- iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

Yes ☒ No ☐ NA (Please explain.) Comments:

All LCS/LCSD %R met QC criteria. The percent recoveries for MS/MSD samples 1115060071 and 1115333005 were below laboratory limits however, these samples were not part of the Port Heiden project.

- iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

All LCS/LCSD and MS/MSD RPD met QC criteria.

- v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

Parent samples 1115060071 and 1115333005 were outside of acceptable %R limits, however; these samples are not from the Port Heiden project. Data quality and usability were not affected.

- vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

Data quality and usability were not affected.

c. Surrogates – Organics Only

- i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

- iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

Data quality and usability were not affected.

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

- i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

Volatile analyses were not performed.

- ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iii. All results less than PQL?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iv. If above PQL, what samples are affected?

Comments:

N/A

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

☐ Yes ☒ No ☐ NA (Please explain.)

Comments:

Two duplicates were submitted for 47 samples in this SDG.

ii. Submitted blind to lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. Precision – All relative percent differences (RPD) less than specified DQOs?
(Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

Data quality and usability were not affected.

f. Decontamination or Equipment Blank (If not used explain why).

Yes ☒ No ☐ NA (Please explain.) Comments:

A decontamination blank was not collected.

i. All results less than PQL?

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

ii. If above PQL, what samples are affected?

Comments:

N/A

iii. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Laboratory Data Review Checklist

Completed by: Julieanna Orczewska

Title: Project Chemist Date: 19 January 2012

CS Report Name: EE/CA Site Road PCB Removal, Port Heiden, Alaska 2012 Report Date: January 2012

Consultant Firm: Jacobs Engineering Group Inc.

Laboratory Name: SGS-Alaska Laboratory Report Number: 1115338

ADEC File Number: ADEC RecKey Number:

1. Laboratory

- a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
☐ Yes ☐ No ☒ NA (Please explain.) Comments:

All samples were analyzed by SGS-Alaska.

2. Chain of Custody (COC)

- a. COC information completed, signed, and dated (including released/received by)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. Correct analyses requested?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

3. Laboratory Sample Receipt Documentation

- a. Sample/cooler temperature documented and within range at receipt ($4^{\circ} \pm 2^{\circ} \text{C}$)?
Yes ☒ No ☐ NA (Please explain.) Comments:

Cooler ‘Arkansian’ temperature blank was 0.0°C .

- b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- e. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected. Samples were not frozen upon receipt; therefore, not affected by the low temperature.

4. Case Narrative

- a. Present and understandable?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- b. Discrepancies, errors or QC failures identified by the lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

There were no analytical anomalies associated with the data in this SDG.

- c. Were all corrective actions documented?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. What is the effect on data quality/usability according to the case narrative?

Comments:

Data quality and usability were not affected.

5. Samples Results

- a. Correct analyses performed/reported as requested on COC?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

b. All applicable holding times met?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

c. All soils reported on a dry weight basis?

Yes ☒ No ☐ NA (Please explain.)

Comments:

There were no soil samples submitted in this SDG.

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

e. Data quality or usability affected?

Comments:

Data quality and usability were not affected.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

ii. All method blank results less than PQL?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. If above PQL, what samples are affected?

Yes ☐ No ☒ NA (Please explain.)

Comments:

All method blank results were less than the LOQ.

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

- i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

☐ Yes ☒ No ☐ NA (Please explain.) Comments:

No Metals/Inorganics analyses were performed.

- iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

There were no MS/MSD samples analyzed for this SDG, refer to LCS/LCSD for QC accuracy.

- v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

- vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.) Comments:

There were no samples affected by QC exceedances.

- vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

Data quality and usability were not affected.

c. Surrogates – Organics Only

- i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

- iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

Data quality and usability were not affected.

- d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

- i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

Volatile analyses were not performed.

- ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iii. All results less than PQL?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iv. If above PQL, what samples are affected?

Comments:

N/A

- v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

☐ Yes ☒ No ☐ NA (Please explain.) Comments:

There were no field duplicates submitted in this SDG. The SDG contained only wipe samples.

ii. Submitted blind to lab?

Yes ☐ No ☒ NA (Please explain.) Comments:

There were no field duplicates submitted.

iii. Precision – All relative percent differences (RPD) less than specified DQOs?
(Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

Yes No ☒ NA (Please explain.) Comments:

There were no field duplicates submitted.

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

Data quality and usability were not affected.

f. Decontamination or Equipment Blank (If not used explain why).

Yes ☐ No ☒ NA (Please explain.) Comments:

A decontamination blank was not collected.

i. All results less than PQL?

Yes ☐ No ☒ NA (Please explain.) Comments:

N/A

ii. If above PQL, what samples are affected?

Comments:

N/A

iii. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

Laboratory Data Review Checklist

Completed by: Julieanna Orczewska

Title: Project Chemist Date: 19 January 2012

CS Report Name: EE/CA Site Road PCB Removal, Port Heiden, Alaska 2012 Report Date: January 2012

Consultant Firm: Jacobs Engineering Group Inc.

Laboratory Name: SGS-Alaska Laboratory Report Number: 1115510

ADEC File Number: ADEC RecKey Number:

1. Laboratory

- a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. If the samples were transferred to another “network” laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
☐ Yes ☐ No ☒ NA (Please explain.) Comments:

All samples were analyzed by SGS-Alaska.

2. Chain of Custody (COC)

- a. COC information completed, signed, and dated (including released/received by)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- b. Correct analyses requested?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

3. Laboratory Sample Receipt Documentation

- a. Sample/cooler temperature documented and within range at receipt ($4^{\circ} \pm 2^{\circ} \text{C}$)?
☒ Yes ☐ No ☐ NA (Please explain.) Comments:

Cooler ‘Winter’ temperature blank was 4.8°C .

- b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- e. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

4. Case Narrative

- a. Present and understandable?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- b. Discrepancies, errors or QC failures identified by the lab?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- c. Were all corrective actions documented?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- d. What is the effect on data quality/usability according to the case narrative?

Comments:

Data quality and usability were not affected.

5. Samples Results

- a. Correct analyses performed/reported as requested on COC?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

b. All applicable holding times met?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

c. All soils reported on a dry weight basis?

Yes ☒ No ☐ NA (Please explain.)

Comments:

There were no soil samples submitted in this SDG.

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

e. Data quality or usability affected?

Comments:

Data quality and usability were not affected.

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

ii. All method blank results less than PQL?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

iii. If above PQL, what samples are affected?

Yes ☐ No ☒ NA (Please explain.)

Comments:

All method blank results were less than the LOQ.

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

- i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

☐ Yes ☒ No ☐ NA (Please explain.) Comments:

No Metals/Inorganics analyses were performed.

- iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

There were no MS/MSD samples analyzed for this SDG, refer to LCS/LCSD for QC accuracy.

- v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

- vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.) Comments:

There were no samples affected by QC exceedances.

- vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

Data quality and usability were not affected.

c. Surrogates – Organics Only

- i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

☒ Yes ☐ No ☐ NA (Please explain.) Comments:

- ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

- iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

No data flags were required.

- iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

Data quality and usability were not affected.

- d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

- i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

Volatile analyses were not performed.

- ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iii. All results less than PQL?

☐ Yes ☐ No ☒ NA (Please explain.)

Comments:

N/A

- iv. If above PQL, what samples are affected?

Comments:

N/A

- v. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

☐ Yes ☒ No ☐ NA (Please explain.) Comments:

There were no field duplicates submitted in this SDG. The SDG contained only wipe samples.

ii. Submitted blind to lab?

Yes ☐ No ☒ NA (Please explain.) Comments:

There were no field duplicates submitted.

iii. Precision – All relative percent differences (RPD) less than specified DQOs?
(Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

Yes No ☒ NA (Please explain.) Comments:

There were no field duplicates submitted.

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

Data quality and usability were not affected.

f. Decontamination or Equipment Blank (If not used explain why).

Yes ☐ No ☒ NA (Please explain.) Comments:

A decontamination blank was not collected.

i. All results less than PQL?

Yes ☐ No ☒ NA (Please explain.) Comments:

N/A

ii. If above PQL, what samples are affected?

Comments:

N/A

iii. Data quality or usability affected? (Please explain.)

Comments:

Data quality and usability were not affected.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

☒ Yes ☐ No ☐ NA (Please explain.)

Comments:

ATTACHMENT C-3
Sample Summary

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-AR-GPB10-0-2	AR-GPB10	0	2	0 - 2	Bore	9/16/2011	1635	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB1-0-2	AR-GPB1	0	2	0 - 2	Bore	9/16/2011	1124	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB10-2-4	AR-GPB10	2	4	2 - 4	Bore	9/16/2011	1635	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB10-4-6	AR-GPB10	4	6	4 - 6	Bore	9/16/2011	1640	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB10-6-8	AR-GPB10	6	8	6 - 8	Bore	9/16/2011	1640	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB11-0-2	AR-GPB11	0	2	0 - 2	Bore	9/16/2011	1705	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB11-10-12	AR-GPB11	10	12	10 - 12	Bore	9/16/2011	1720	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB11-2-4	AR-GPB11	2	4	2 - 4	Bore	9/16/2011	1705	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB11-4-6	AR-GPB11	4	6	4 - 6	Bore	9/16/2011	1710	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB11-6-8	AR-GPB11	6	8	6 - 8	Bore	9/16/2011	1710	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB11-8-10	AR-GPB11	8	10	8 - 10	Bore	9/16/2011	1720	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB1-2-4	AR-GPB1	0	0.5	0 - 0.5	Bore	9/16/2011	1124	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB1-4-6	AR-GPB1	2	4	2 - 4	Bore	9/16/2011	1130	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB15-0-2	AR-GPB15	0	2	0 - 2	Bore	9/17/2011	953	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB15-2-4	AR-GPB15	2	4	2 - 4	Bore	9/17/2011	953	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB15-4-6	AR-GPB15	4	6	4 - 6	Bore	9/17/2011	957	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB15-6-8	AR-GPB15	6	8	6 - 8	Bore	9/17/2011	957	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB16-0-2	AR-GPB16	0	2	0 - 2	Bore	9/17/2011	1015	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB16-2-4	AR-GPB16	2	4	2 - 4	Bore	9/17/2011	1015	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB16-4-6	AR-GPB16	4	6	4 - 6	Bore	9/17/2011	1020	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB16-6-8	AR-GPB16	6	8	6 - 8	Bore	9/17/2011	1020	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB1-6-8	AR-GPB1	4	6	4 - 6	Bore	9/16/2011	1130	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB16X-2-4	AR-GPB16	2	4	2 - 4	Bore	9/17/2011	1015	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	30 day	Yoda	SGS	1114723
11PH-AR-GPB17-0-2	AR-GPB17	0	2	0 - 2	Bore	9/17/2011	1038	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB17-2-4	AR-GPB17	2	4	2 - 4	Bore	9/17/2011	1038	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB17-4-6	AR-GPB17	4	6	4 - 6	Bore	9/17/2011	1041	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB17-6-8	AR-GPB17	6	8	6 - 8	Bore	9/17/2011	1041	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB18-0-2	AR-GPB18	0	2	0 - 2	Bore	9/17/2011	1055	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB18-2-4	AR-GPB18	2	4	2 - 4	Bore	9/17/2011	1055	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB18-4-6	AR-GPB18	4	6	4 - 6	Bore	9/17/2011	1100	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB18-6-8	AR-GPB18	6	8	6 - 8	Bore	9/17/2011	1100	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB19-0-2	AR-GPB19	0	2	0 - 2	Bore	9/17/2011	1110	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB19-2-4	AR-GPB19	2	4	2 - 4	Bore	9/17/2011	1110	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB19-4-6	AR-GPB19	4	6	4 - 6	Bore	9/17/2011	1126	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB19-6-8	AR-GPB19	6	8	6 - 8	Bore	9/17/2011	1126	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB20-0-2	AR-GPB20	0	2	0 - 2	Bore	9/17/2011	1142	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB2-0-2	AR-GPB2	6	8	6 - 8	Bore	9/16/2011	1156	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB20-2-4	AR-GPB20	2	4	2 - 4	Bore	9/17/2011	1142	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB20-4-6	AR-GPB20	4	6	4 - 6	Bore	9/17/2011	1148	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB20-6-8	AR-GPB20	6	8	6 - 8	Bore	9/17/2011	1148	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB21-0-2	AR-GPB21	0	2	0 - 2	Bore	9/17/2011	1205	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB21-2-4	AR-GPB21	2	4	2 - 4	Bore	9/17/2011	1205	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB21-4-6	AR-GPB21	4	6	4 - 6	Bore	9/17/2011	1212	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB21-6-8	AR-GPB21	6	8	6 - 8	Bore	9/17/2011	1212	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB21X-6-8	AR-GPB21	6	8	6 - 8	Bore	9/17/2011	1212	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	30 day	Yoda	SGS	1114723
11PH-AR-GPB2-2-4	AR-GPB2	8	10	8 - 10	Bore	9/16/2011	1156	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB2-4-6	AR-GPB2	0	0.5	0 - 0.5	Bore	9/16/2011	1202	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB2-6-8	AR-GPB2	0	0.5	0 - 0.5	Bore	9/16/2011	1202	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB3-0-2	AR-GPB3	0	0.5	0 - 0.5	Bore	9/16/2011	1220	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB3-2-4	AR-GPB3	0	0.5	0 - 0.5	Bore	9/16/2011	1220	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB3-4-6	AR-GPB3	0	0.5	0 - 0.5	Bore	9/16/2011	1224	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB3-6-8	AR-GPB3	0	0.5	0 - 0.5	Bore	9/16/2011	1224	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB4-0-2	AR-GPB4	0	0.5	0 - 0.5	Bore	9/16/2011	1250	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB4-2-4	AR-GPB4	0	0.5	0 - 0.5	Bore	9/16/2011	1250	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB4-4-6	AR-GPB4	0	0.5	0 - 0.5	Bore	9/16/2011	1305	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB4-6-8	AR-GPB4	0	0.5	0 - 0.5	Bore	9/16/2011	1305	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB4X-0-2	AR-GPB4	0	0.5	0 - 0.5	Bore	9/16/2011	1250	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB5-0-2	AR-GPB5	0	0.5	0 - 0.5	Bore	9/16/2011	1320	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB5-2-4	AR-GPB5	0	0.5	0 - 0.5	Bore	9/16/2011	1320	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB5-4-6	AR-GPB5	0	0.5	0 - 0.5	Bore	9/16/2011	1325	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-AR-GPB5-6-8	AR-GPB5	0	0.5	0 - 0.5	Bore	9/16/2011	1325	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB6-0-2	AR-GPB6	0	0.5	0 - 0.5	Bore	9/16/2011	1346	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB6-2-4	AR-GPB6	0	0.5	0 - 0.5	Bore	9/16/2011	1346	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB6-4-6	AR-GPB6	0	0.5	0 - 0.5	Bore	9/16/2011	1351	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB6-6-8	AR-GPB6	0	0.5	0 - 0.5	Bore	9/16/2011	1351	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB7-0-2	AR-GPB7	0	0.5	0 - 0.5	Bore	9/16/2011	1415	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB7-2-4	AR-GPB7	0	0.5	0 - 0.5	Bore	9/16/2011	1415	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB7-4-6	AR-GPB7	0	0.5	0 - 0.5	Bore	9/16/2011	1420	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB7-6-8	AR-GPB7	0	0.5	0 - 0.5	Bore	9/16/2011	1420	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB8-0-2	AR-GPB8	0	0.5	0 - 0.5	Bore	9/16/2011	1442	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB8-10-12	AR-GPB8	0	0.5	0 - 0.5	Bore	9/16/2011	1511	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB8-2-4	AR-GPB8	0	0.5	0 - 0.5	Bore	9/16/2011	1442	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB8-4-6	AR-GPB8	0	0.5	0 - 0.5	Bore	9/16/2011	1446	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB8-6-8	AR-GPB8	0	0.5	0 - 0.5	Bore	9/16/2011	1446	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB8-8-10	AR-GPB8	0	0.5	0 - 0.5	Bore	9/16/2011	1511	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB8X-8-10	AR-GPB8	0	0.5	0 - 0.5	Bore	9/16/2011	1511	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB9-0-2	AR-GPB9	0	0.5	0 - 0.5	Bore	9/16/2011	1549	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB9-2-4	AR-GPB9	0	0.5	0 - 0.5	Bore	9/16/2011	1549	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Princess Leia	SGS	1114547
11PH-AR-GPB9-4-6	AR-GPB9	4	6	4 - 6	Bore	9/16/2011	1555	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-AR-GPB9-6-8	AR-GPB9	6	8	6 - 8	Bore	9/16/2011	1555	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	30 day	Yoda	SGS	1114723
11PH-DECON-SW01-0	DECON-SW01	—	—	—	DECON POND	10/9/2011	855	CF	SW 8082	SW	2	AMBER	1 Liter	4 ± 2°	—	3 day	Geedo	SGS	1114984
11PH-GP005-C-0-2	GP005-C	0	0.5	0 - 0.5	Bore	9/15/2011	1256	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP005-C-2-4	GP005-C	0	0.5	0 - 0.5	Bore	9/15/2011	1256	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP005-C-4-6	GP005-C	0	0.5	0 - 0.5	Bore	9/15/2011	1303	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP005-C-6-8	GP005-C	0	0.5	0 - 0.5	Bore	9/15/2011	1303	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP010-C-0-2	GP010-C	0	0.5	0 - 0.5	Bore	9/15/2011	1225	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP010-C-2-4	GP010-C	0	0.5	0 - 0.5	Bore	9/15/2011	1225	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP010-C-4-6	GP010-C	0	0.5	0 - 0.5	Bore	9/15/2011	1239	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP010-C-6-8	GP010-C	0	0.5	0 - 0.5	Bore	9/15/2011	1239	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP015-C-0-2	GP015-C	0	0.5	0 - 0.5	Bore	9/15/2011	1201	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP015-C-2-4	GP015-C	0	0.5	0 - 0.5	Bore	9/15/2011	1201	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP015-C-4-6	GP015-C	0	0.5	0 - 0.5	Bore	9/15/2011	1204	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP015-C-6-8	GP015-C	0	0.5	0 - 0.5	Bore	9/15/2011	1204	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP020-C-0-2	GP020-C	0	0.5	0 - 0.5	Bore	9/15/2011	1141	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP020-C-2-4	GP020-C	0	0.5	0 - 0.5	Bore	9/15/2011	1141	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP020-C-4-6	GP020-C	0	0.5	0 - 0.5	Bore	9/15/2011	1145	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP020-C-6-8	GP020-C	0	0.5	0 - 0.5	Bore	9/15/2011	1145	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP020X-C-4-6	GP020-C	0	0.5	0 - 0.5	Bore	9/15/2011	1145	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Princess Leia	SGS	1114546
11PH-GP025-C-0-2	GP025-C	0	0.5	0 - 0.5	Bore	9/15/2011	1119	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP025-C-2-4	GP025-C	0	0.5	0 - 0.5	Bore	9/15/2011	1119	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP025-C-4-6	GP025-C	0	0.5	0 - 0.5	Bore	9/15/2011	1128	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP025-C-6-8	GP025-C	0	0.5	0 - 0.5	Bore	9/15/2011	1128	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP030-C-0-2	GP030-C	0	0.5	0 - 0.5	Bore	9/15/2011	1053	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP030-C-2-4	GP030-C	0	0.5	0 - 0.5	Bore	9/15/2011	1053	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP030-C-4-6	GP030-C	0	0.5	0 - 0.5	Bore	9/15/2011	1102	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP030-C-6-8	GP030-C	0	0.5	0 - 0.5	Bore	9/15/2011	1102	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP035-C-0-2	GP035-C	0	0.5	0 - 0.5	Bore	9/15/2011	1011	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	3 day	Princess Leia	SGS	1114546
11PH-GP035-C-10-12	GP035-C	0	0.5	0 - 0.5	Bore	9/15/2011	1035	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP035-C-2-4	GP035-C	0	0.5	0 - 0.5	Bore	9/15/2011	1011	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP035-C-4-6	GP035-C	0	0.5	0 - 0.5	Bore	9/15/2011	1020	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP035-C-6-8	GP035-C	0	0.5	0 - 0.5	Bore	9/15/2011	1020	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP035-C-8-10	GP035-C	0	0.5	0 - 0.5	Bore	9/15/2011	1035	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP040-C-0-2	GP040-C	0	0.5	0 - 0.5	Bore	9/15/2011	850	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP040-C-10-12	GP040-C	0	0.5	0 - 0.5	Bore	9/15/2011	930	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP040-C-12-14	GP040-C	0	0.5	0 - 0.5	Bore	9/15/2011	945	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP040-C-14-16	GP040-C	0	0.5	0 - 0.5	Bore	9/15/2011	945	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Princess Leia	SGS	1114546
11PH-GP040-C-2-4	GP040-C	0	0.5	0 - 0.5	Bore	9/15/2011	850	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP040-C-4-6	GP040-C	0	0.5	0 - 0.5	Bore	9/15/2011	906	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP040-C-6-8	GP040-C	0	0.5	0 - 0.5	Bore	9/15/2011	906	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	3 day	Queen Amidala	SGS	1114545
11PH-GP040-C-8-10	GP040-C	0	0.5	0 - 0.5	Bore	9/15/2011	930	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-GP046-C-0-2	GP046-C	0	2	0 - 2	Bore	9/14/2011	1600	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP046-C-2-4	GP046-C	2	4	2 - 4	Bore	9/14/2011	1600	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP046-C-4-6	GP046-C	4	6	4 - 6	Bore	9/14/2011	1610	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP046-C-6-8	GP046-C	6	8	6 - 8	Bore	9/14/2011	1610	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP046X-C-6-8	GP046-C	6	8	6 - 8	Bore	9/14/2011	1610	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Queen Amidala	SGS	1114545
11PH-GP050-C-0-2	GP050-C	0	2	0 - 2	Bore	9/14/2011	1440	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP050-C-10-12	GP050-C	10	12	10 - 12	Bore	9/14/2011	1530	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP050-C-2-4	GP050-C	2	4	2 - 4	Bore	9/14/2011	1440	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP050-C-4-6	GP050-C	4	6	4 - 6	Bore	9/14/2011	1505	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP050-C-6-8	GP050-C	6	8	6 - 8	Bore	9/14/2011	1505	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP050-C-8-10	GP050-C	8	10	8 - 10	Bore	9/14/2011	1530	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP050X-C-4-6	GP050-C	4	6	4 - 6	Bore	9/14/2011	1505	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Queen Amidala	SGS	1114545
11PH-GP055-C-0-2	GP055-C	0	2	0 - 2	Bore	9/14/2011	1349	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP055-C-10-11	GP055-C	10	11	10 - 11	Bore	9/14/2011	1405	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP055-C-2-4	GP055-C	2	4	2 - 4	Bore	9/14/2011	1349	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP055-C-4-6	GP055-C	4	6	4 - 6	Bore	9/14/2011	1355	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP055-C-6-8	GP055-C	6	8	6 - 8	Bore	9/14/2011	1355	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP055-C-8-10	GP055-C	8	10	8 - 10	Bore	9/14/2011	1405	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP060-C-0-2	GP060-C	0	2	0 - 2	Bore	9/14/2011	1323	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP060-C-2-4	GP060-C	2	4	2 - 4	Bore	9/14/2011	1323	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP060-C-4-6	GP060-C	4	6	4 - 6	Bore	9/14/2011	1327	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP060-C-6-8	GP060-C	6	8	6 - 8	Bore	9/14/2011	1327	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP065-C-0-2	GP065-C	0	2	0 - 2	Bore	9/14/2011	1302	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP065-C-2-4	GP065-C	2	4	2 - 4	Bore	9/14/2011	1302	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP065-C-4-6	GP065-C	4	6	4 - 6	Bore	9/14/2011	1305	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP065-C-6-8	GP065-C	6	8	6 - 8	Bore	9/14/2011	1305	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP070-C-0-2	GP070-C	0	2	0 - 2	Bore	9/14/2011	1115	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP070-C-10-12	GP070-C	10	12	10 - 12	Bore	9/14/2011	1135	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP070-C-2-4	GP070-C	2	4	2 - 4	Bore	9/14/2011	1115	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	3 day	Queen Amidala	SGS	1114545
11PH-GP070-C-4-6	GP070-C	4	6	4 - 6	Bore	9/14/2011	1123	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP070-C-6-8	GP070-C	6	8	6 - 8	Bore	9/14/2011	1123	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP070-C-8-10	GP070-C	8	10	8 - 10	Bore	9/14/2011	1135	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP075-C-0-2	GP075-C	0	2	0 - 2	Bore	9/14/2011	951	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP075-C-10-12	GP075-C	10	12	10 - 12	Bore	9/14/2011	1014	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP075-C-12-14	GP075-C	12	14	12 - 14	Bore	9/14/2011	1030	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP075-C-14-16	GP075-C	14	16	14 - 16	Bore	9/14/2011	1030	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP075-C-2-4	GP075-C	2	4	2 - 4	Bore	9/14/2011	951	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP075-C-4-6	GP075-C	4	6	4 - 6	Bore	9/14/2011	1004	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP075-C-6-8	GP075-C	6	8	6 - 8	Bore	9/14/2011	1004	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP075-C-8-10	GP075-C	8	10	8 - 10	Bore	9/14/2011	1014	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP078-R-0-2	GP078-R	0	2	0 - 2	Bore	10/4/2011	1108	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP079-C-0-2	GP079-C	0	2	0 - 2	Bore	9/14/2011	910	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP079-C-10-12	GP079-C	10	12	10 - 12	Bore	9/14/2011	927	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP079-C-12-14	GP079-C	12	14	12 - 14	Bore	9/14/2011	937	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP079-C-14-16	GP079-C	14	16	14 - 16	Bore	9/14/2011	937	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP079-C-2-4	GP079-C	2	4	2 - 4	Bore	9/14/2011	910	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP079-C-4-6	GP079-C	4	6	4 - 6	Bore	9/14/2011	916	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP079-C-6-8	GP079-C	6	8	6 - 8	Bore	9/14/2011	916	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP079-C-8-10	GP079-C	8	10	8 - 10	Bore	9/14/2011	927	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP079X-C-0-2	GP079-C	0	2	0 - 2	Bore	9/14/2011	910	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Queen Amidala	SGS	1114545
11PH-GP080-L-0-2	GP080-L	0	2	0 - 2	Bore	10/4/2011	1143	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP080-L-10-12	GP080-L	10	12	10 - 12	Bore	10/4/2011	1222	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP080-L-12-14	GP080-L	12	14	12 - 14	Bore	10/4/2011	1253	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP080-L-14-16	GP080-L	14	16	14 - 16	Bore	10/4/2011	1254	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP080-L-16-18	GP080-L	16	18	16 - 18	Bore	10/4/2011	1310	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP080-L-18-20	GP080-L	18	20	18 - 20	Bore	10/4/2011	1312	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP080-L-2-4	GP080-L	2	4	2 - 4	Bore	10/4/2011	1145	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP080-L-4-6	GP080-L	4	6	4 - 6	Bore	10/4/2011	1158	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP080-L-6-8	GP080-L	6	8	6 - 8	Bore	10/4/2011	1200	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP080-L-8-10	GP080-L	8	10	8 - 10	Bore	10/4/2011	1220	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-GP085-C-0-2	GP085-C	0	2	0 - 2	Bore	9/13/2011	1634	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP085-C-10-12	GP085-C	10	12	10 - 12	Bore	9/13/2011	1704	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP085-C-2-4	GP085-C	2	4	2 - 4	Bore	9/13/2011	1634	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP085-C-4-6	GP085-C	4	6	4 - 6	Bore	9/13/2011	1639	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP085-C-6-8	GP085-C	6	8	6 - 8	Bore	9/13/2011	1641	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP085-C-8-10	GP085-C	8	10	8 - 10	Bore	9/13/2011	1704	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP086-R-0-2	GP086-R	0	2	0 - 2	Bore	10/5/2011	1115	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP086-R-10-12	GP086-R	10	12	10 - 12	Bore	10/5/2011	1147	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP086-R-12-14	GP086-R	12	14	12 - 14	Bore	10/5/2011	1201	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP086-R-14-16	GP086-R	14	16	14 - 16	Bore	10/5/2011	1204	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP086-R-16-18	GP086-R	16	18	16 - 18	Bore	10/5/2011	1228	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP086-R-18-20	GP086-R	18	20	18 - 20	Bore	10/5/2011	1230	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP086-R-2-4	GP086-R	2	4	2 - 4	Bore	10/5/2011	1117	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP086-R-4-6	GP086-R	4	6	4 - 6	Bore	10/5/2011	1130	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP086-R-6-8	GP086-R	6	8	6 - 8	Bore	10/5/2011	1131	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP086-R-8-10	GP086-R	8	10	8 - 10	Bore	10/5/2011	1145	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP086X-R-16-18	GP086-R	16	18	16 - 18	Bore	10/5/2011	1228	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	7 day	Jango Fett	SGS	1115059
11PH-GP087-L-0-2	GP087-L	0	2	0 - 2	Bore	10/4/2011	1520	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP087-L-10-12	GP087-L	10	12	10 - 12	Bore	10/4/2011	1548	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP087-L-12-14	GP087-L	12	14	12 - 14	Bore	10/4/2011	1609	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP087-L-14-16	GP087-L	14	16	14 - 16	Bore	10/4/2011	1611	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP087-L-16-18	GP087-L	16	18	16 - 18	Bore	10/4/2011	1631	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP087-L-18-20	GP087-L	18	20	18 - 20	Bore	10/4/2011	1633	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP087-L-2-4	GP087-L	2	4	2 - 4	Bore	10/4/2011	1522	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP087-L-4-6	GP087-L	4	6	4 - 6	Bore	10/4/2011	1532	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP087-L-6-8	GP087-L	6	8	6 - 8	Bore	10/4/2011	1534	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP087-L-8-10	GP087-L	8	10	8 - 10	Bore	10/4/2011	1545	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP088-R-0-2	GP088-R	0	2	0 - 2	Bore	10/5/2011	1005	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP088-R-10-12	GP088-R	10	12	10 - 12	Bore	10/5/2011	1042	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP088-R-2-4	GP088-R	2	4	2 - 4	Bore	10/5/2011	1006	CF/JN	SW8082	SO	2	Amber	4 oz	4 ± 2°	MS/MSD	7 day	Jango Fett	SGS	1115059
11PH-GP088-R-4-6	GP088-R	4	6	4 - 6	Bore	10/5/2011	1020	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP088-R-6-8	GP088-R	6	8	6 - 8	Bore	10/5/2011	1021	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP088-R-8-10	GP088-R	8	10	8 - 10	Bore	10/5/2011	1040	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-GP088X-R-10-12	GP088-R	10	12	10 - 12	Bore	10/5/2011	1042	CF/JN	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	7 day	Jango Fett	SGS	1115059
11PH-GP089-C-0-2	GP089-C	0	2	0 - 2	Bore	9/13/2011	1510	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP089-C-10-12	GP089-C	10	12	10 - 12	Bore	9/13/2011	1546	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP089-C-12-14	GP089-C	12	14	12 - 14	Bore	9/13/2011	1604	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP089-C-14-16	GP089-C	14	16	14 - 16	Bore	9/13/2011	1604	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP089-C-2-4	GP089-C	2	4	2 - 4	Bore	9/13/2011	1510	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP089-C-4-6	GP089-C	4	6	4 - 6	Bore	9/13/2011	1519	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP089-C-6-8	GP089-C	6	8	6 - 8	Bore	9/13/2011	1519	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP089-C-8-10	GP089-C	8	10	8 - 10	Bore	9/13/2011	1546	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP092-C-0-2	GP092-C	0	2	0 - 2	Bore	9/13/2011	1416	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP092-C-2-4	GP092-C	2	4	2 - 4	Bore	9/13/2011	1416	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-GP092-C-4-6	GP092-C	4	6	4 - 6	Bore	9/13/2011	1430	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	3 day	Queen Amidala	SGS	1114545
11PH-GP092-C-6-8	GP092-C	6	8	6 - 8	Bore	9/13/2011	1430	JN/CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Queen Amidala	SGS	1114545
11PH-SS001-G5-6	SS001-G5	0	0.5	0 - 0.5	Shoulder Characterization	9/30/2011	1844	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Lando Cairissian	SGS	1115057
11PH-SS001-L-12	SS001-L	0.5	1	0.5 - 1	Section composite	8/20/2011	1330	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS001-L-6	SS001-L	0	0.5	0 - 0.5	Section composite	8/20/2011	1300	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/D	3 day	Anakin Skywalker	SGS	1114013
11PH-SS001-R-12	SS001-R	0.5	1	0.5 - 1	Section composite	8/20/2011	1350	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS001-R-6	SS001-R	0	0.5	0 - 0.5	Section composite	8/20/2011	1310	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS002-L-12	SS002-L	0.5	1	0.5 - 1	Section composite	8/20/2011	1430	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS002-L-6	SS002-L	0	0.5	0 - 0.5	Section composite	8/20/2011	1400	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS002-R-12	SS002-R	0.5	1	0.5 - 1	Section composite	8/20/2011	1420	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS002-R-6	SS002-R	0	0.5	0 - 0.5	Section composite	8/20/2011	1410	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS003-L-12	SS003-L	0.5	1	0.5 - 1	Section composite	8/20/2011	1510	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS003-L-6	SS003-L	0	0.5	0 - 0.5	Section composite	8/20/2011	1450	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-SS003-R-12	SS003-R	0.5	1	0.5 - 1	Section composite	8/20/2011	1500	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS003-R-6	SS003-R	0	0.5	0 - 0.5	Section composite	8/20/2011	1445	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS003X-R-6	SS003-R	0	0.5	0 - 0.5	Section composite	8/20/2011	1445	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Anakin Skywalker	SGS	1114013
11PH-SS004-L-12	SS004-L	0.5	1	0.5 - 1	Section composite	8/20/2011	1545	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS004-L-6	SS004-L	0	0.5	0 - 0.5	Section composite	8/20/2011	1535	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS004-R-12	SS004-R	0.5	1	0.5 - 1	Section composite	8/20/2011	1540	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS004-R-6	SS004-R	0	0.5	0 - 0.5	Section composite	8/20/2011	1530	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS005-L-12	SS005-L	0.5	1	0.5 - 1	Section composite	8/20/2011	1630	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS005-L-6	SS005-L	0	0.5	0 - 0.5	Section composite	8/20/2011	1610	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS005-R-12	SS005-R	0.5	1	0.5 - 1	Section composite	8/20/2011	1625	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS005-R-6	SS005-R	0	0.5	0 - 0.5	Section composite	8/20/2011	1600	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/D	3 day	Anakin Skywalker	SGS	1114013
11PH-SS006-L-12	SS006-L	0	0.5	0 - 0.5	Section composite	8/20/2011	1645	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS006-L-6	SS006-L	0.5	1	0.5 - 1	Section composite	8/20/2011	1635	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS006-R-12	SS006-R	0	0.5	0 - 0.5	Section composite	8/20/2011	1650	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS006-R-6	SS006-R	0.5	1	0.5 - 1	Section composite	8/20/2011	1640	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS006X-R-6	SS006-R	0.5	1	0.5 - 1	Section composite	8/20/2011	1640	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Anakin Skywalker	SGS	1114013
11PH-SS007-L-12	SS007-L	0	0.5	0 - 0.5	Section composite	8/20/2011	1715	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS007-L-6	SS007-L	0.5	1	0.5 - 1	Section composite	8/20/2011	1700	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS007-R-12	SS007-R	0	0.5	0 - 0.5	Section composite	8/20/2011	1725	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS007-R-6	SS007-R	0.5	1	0.5 - 1	Section composite	8/20/2011	1705	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS008-L-12	SS008-L	0	0.5	0 - 0.5	Section composite	8/20/2011	1750	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS008-L-6	SS008-L	0.5	1	0.5 - 1	Section composite	8/20/2011	1735	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS008-R-12	SS008-R	0	0.5	0 - 0.5	Section composite	8/20/2011	1800	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS008-R-6	SS008-R	0.5	1	0.5 - 1	Section composite	8/20/2011	1740	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS009-A0-6	SS009-A0	0	0.5	0 - 0.5	Shoulder Characterization	9/23/2011	1314	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Boba Fett	SGS	1114792
11PH-SS009-B0-6	SS009-B0	0	0.5	0 - 0.5	Shoulder Characterization	9/23/2011	1316	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Boba Fett	SGS	1114792
11PH-SS009-F0-6	SS009-F0	0	0.5	0 - 0.5	Shoulder Characterization	9/23/2011	1324	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Boba Fett	SGS	1114792
11PH-SS009-L-12	SS009-L	0	0.5	0 - 0.5	Section composite	8/20/2011	1815	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS009-L-6	SS009-L	0.5	1	0.5 - 1	Section composite	8/20/2011	1805	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS009-R-12	SS009-R	0	0.5	0 - 0.5	Section composite	8/20/2011	1820	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/D	3 day	Anakin Skywalker	SGS	1114013
11PH-SS009-R-6	SS009-R	0.5	1	0.5 - 1	Section composite	8/20/2011	1810	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS010-A0-6	SS010-A0	0	0.5	0 - 0.5	Shoulder Characterization	9/23/2011	1342	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Boba Fett	SGS	1114792
11PH-SS010-B0-6	SS010-B0	0	0.5	0 - 0.5	Shoulder Characterization	9/23/2011	1344	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Boba Fett	SGS	1114792
11PH-SS010-B5-6	SS010-B5	0	0.5	0 - 0.5	Shoulder Characterization	9/24/2011	902	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Boba Fett	SGS	1114792
11PH-SS010-C5-6	SS010-C5	0	0.5	0 - 0.5	Shoulder Characterization	9/24/2011	904	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Boba Fett	SGS	1114792
11PH-SS010-D5-6	SS010-D5	0	0.5	0 - 0.5	Shoulder Characterization	9/24/2011	906	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Boba Fett	SGS	1114792
11PH-SS010-E0-6	SS010-E0	0	0.5	0 - 0.5	Shoulder Characterization	9/23/2011	1350	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Boba Fett	SGS	1114792
11PH-SS010-E5-6	SS010-E5	0	0.5	0 - 0.5	Shoulder Characterization	9/24/2011	908	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Boba Fett	SGS	1114792
11PH-SS010-F0-6	SS010-F0	0	0.5	0 - 0.5	Shoulder Characterization	9/23/2011	1352	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Boba Fett	SGS	1114792
11PH-SS010-G0-6	SS010-G0	0	0.5	0 - 0.5	Shoulder Characterization	9/23/2011	1354	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Boba Fett	SGS	1114792
11PH-SS010-L-12	SS010-L	0	0.5	0 - 0.5	Section composite	8/20/2011	1840	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS010-L-6	SS010-L	0.5	1	0.5 - 1	Section composite	8/20/2011	1830	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS010-R-12	SS010-R	0	0.5	0 - 0.5	Section composite	8/20/2011	1845	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-SS010-R-6	SS010-R	0.5	1	0.5 - 1	Section composite	8/20/2011	1835	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS010X-C5-6	SS010-C5	0	0.5	0 - 0.5	Shoulder Characterization	9/24/2011	904	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	7 day	Boba Fett	SGS	1114792
11PH-SS011-A0-6	SS011-A0	0	0.5	0 - 0.5	Shoulder Characterization	9/23/2011	150	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Boba Fett	SGS	1114792
11PH-SS011-B0-6	SS011-B0	0	0.5	0 - 0.5	Shoulder Characterization	9/23/2011	1412	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Boba Fett	SGS	1114792
11PH-SS011-B5-6	SS011-B5	0	0.5	0 - 0.5	Shoulder Characterization	9/23/2011	902	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Boba Fett	SGS	1114792
11PH-SS011-C5-6	SS011-C5	0	0.5	0 - 0.5	Shoulder Characterization	9/23/2011	904	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Boba Fett	SGS	1114792
11PH-SS011-D0-6	SS011-D0	0	0.5	0 - 0.5	Shoulder Characterization	9/23/2011	1416	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Boba Fett	SGS	1114792
11PH-SS011-E0-6	SS011-E0	0	0.5	0 - 0.5	Shoulder Characterization	9/23/2011	1418	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Boba Fett	SGS	1114792
11PH-SS011-F0-6	SS011-F0	0	0.5	0 - 0.5	Shoulder Characterization	9/23/2011	1420	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Boba Fett	SGS	1114792
11PH-SS011-L-12	SS011-L	0.5	1	0.5 - 1	Section composite	8/22/2011	810	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS011-L-6	SS011-L	0	0.5	0 - 0.5	Section composite	8/22/2011	800	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS011-R-12	SS011-R	0.5	1	0.5 - 1	Section composite	8/22/2011	815	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS011-R-6	SS011-R	0	0.5	0 - 0.5	Section composite	8/22/2011	805	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS012-E0-6	SS012-E0	0	0.5	0 - 0.5	Shoulder Characterization	9/23/2011	1446	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	C3PO	SGS	1114790
11PH-SS012-F0-6	SS012-F0	0	0.5	0 - 0.5	Shoulder Characterization	9/23/2011	1448	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	C3PO	SGS	1114790
11PH-SS012-G0-6	SS012-G0	0	0.5	0 - 0.5	Shoulder Characterization	9/23/2011	1450	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	C3PO	SGS	1114790
11PH-SS012-L-12	SS012-L	0.5	1	0.5 - 1	Section composite	8/22/2011	830	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS012-L-6	SS012-L	0	0.5	0 - 0.5	Section composite	8/22/2011	820	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS012-R-12	SS012-R	0.5	1	0.5 - 1	Section composite	8/22/2011	840	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS012-R-6	SS012-R	0	0.5	0 - 0.5	Section composite	8/22/2011	825	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS012X-L-12	SS012-L	0	0.5	0 - 0.5	Section composite	8/22/2011	830	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Anakin Skywalker	SGS	1114013
11PH-SS013-A0-6	SS013-A0	0	0.5	0 - 0.5	Shoulder Characterization	9/23/2011	1506	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	C3PO	SGS	1114790
11PH-SS013-B0-6	SS013-B0	0	0.5	0 - 0.5	Shoulder Characterization	9/23/2011	1508	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	C3PO	SGS	1114790
11PH-SS013-D0-6	SS013-D0	0	0.5	0 - 0.5	Shoulder Characterization	9/23/2011	1512	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	C3PO	SGS	1114790
11PH-SS013-L-12	SS013-L	0.5	1	0.5 - 1	Section composite	8/22/2011	855	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS013-L-6	SS013-L	0	0.5	0 - 0.5	Section composite	8/22/2011	845	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS013-R-12	SS013-R	0.5	1	0.5 - 1	Section composite	8/22/2011	900	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS013-R-6	SS013-R	0	0.5	0 - 0.5	Section composite	8/22/2011	850	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS014-L-12	SS014-L	0.5	1	0.5 - 1	Section composite	8/22/2011	915	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS014-L-6	SS014-L	0	0.5	0 - 0.5	Section composite	8/22/2011	905	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/D	3 day	Anakin Skywalker	SGS	1114013
11PH-SS014-R-12	SS014-R	0.5	1	0.5 - 1	Section composite	8/22/2011	920	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS014-R-6	SS014-R	0	0.5	0 - 0.5	Section composite	8/22/2011	910	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS015-C0-6	SS015-C0	0	0.5	0 - 0.5	Shoulder Characterization	9/23/2011	1606	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	General Grievous	SGS	1115060
11PH-SS015-D0-6	SS015-D0	0	0.5	0 - 0.5	Shoulder Characterization	9/23/2011	1608	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	General Grievous	SGS	1115060
11PH-SS015-L-12	SS015-L	0.5	1	0.5 - 1	Section composite	8/22/2011	935	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS015-L-6	SS015-L	0	0.5	0 - 0.5	Section composite	8/22/2011	925	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS015-R-12	SS015-R	0.5	1	0.5 - 1	Section composite	8/22/2011	940	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS015-R-6	SS015-R	0	0.5	0 - 0.5	Section composite	8/22/2011	930	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS016-C0-6	SS016-C0	0	0.5	0 - 0.5	Shoulder Characterization	9/23/2011	1634	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	B-Wing	SGS	1115012
11PH-SS016-L-12	SS016-L	0	0.5	0 - 0.5	Section composite	8/22/2011	955	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-SS016-L-6	SS016-L	0.5	1	0.5 - 1	Section composite	8/22/2011	945	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS016-R-12	SS016-R	0	0.5	0 - 0.5	Section composite	8/22/2011	1000	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS016-R-6	SS016-R	0.5	1	0.5 - 1	Section composite	8/22/2011	950	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS017-L-12	SS017-L	0	0.5	0 - 0.5	Section composite	8/22/2011	1015	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS017-L-6	SS017-L	0.5	1	0.5 - 1	Section composite	8/22/2011	1005	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS017-R-12	SS017-R	0	0.5	0 - 0.5	Section composite	8/22/2011	1020	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS017-R-6	SS017-R	0.5	1	0.5 - 1	Section composite	8/22/2011	1010	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Anakin Skywalker	SGS	1114013
11PH-SS018-L-12	SS018-L	0	0.5	0 - 0.5	Section composite	8/22/2011	1035	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/D	3 day	Darth Vader	SGS	1114020
11PH-SS018-L-6	SS018-L	0.5	1	0.5 - 1	Section composite	8/22/2011	1025	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS018-R-12	SS018-R	0	0.5	0 - 0.5	Section composite	8/22/2011	1040	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS018-R-6	SS018-R	0.5	1	0.5 - 1	Section composite	8/22/2011	1030	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS018X-L-12	SS018-L	0.5	1	0.5 - 1	Section composite	8/22/2011	1035	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Darth Vader	SGS	1114020
11PH-SS019-E0-6	SS019-E0	0	0.5	0 - 0.5	Shoulder Characterization	9/16/2011	1420	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Yoda	SGS	1114724
11PH-SS019-L-12	SS019-L	0	0.5	0 - 0.5	Section composite	8/22/2011	1055	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS019-L-6	SS019-L	0.5	1	0.5 - 1	Section composite	8/22/2011	1045	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS019-R-12	SS019-R	0	0.5	0 - 0.5	Section composite	8/22/2011	1100	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS019-R-6	SS019-R	0.5	1	0.5 - 1	Section composite	8/22/2011	1050	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS020-L-12	SS020-L	0	0.5	0 - 0.5	Section composite	8/22/2011	1115	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS020-L-6	SS020-L	0.5	1	0.5 - 1	Section composite	8/22/2011	1105	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS020-R-12	SS020-R	0	0.5	0 - 0.5	Section composite	8/22/2011	1120	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS020-R-6	SS020-R	0.5	1	0.5 - 1	Section composite	8/22/2011	1110	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS021-L-12	SS021-L	0.5	1	0.5 - 1	Section composite	8/22/2011	1135	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS021-L-6	SS021-L	0	0.5	0 - 0.5	Section composite	8/22/2011	1125	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS021-R-12	SS021-R	0.5	1	0.5 - 1	Section composite	8/22/2011	1140	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS021-R-6	SS021-R	0	0.5	0 - 0.5	Section composite	8/22/2011	1130	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS022-L-12	SS022-L	0.5	1	0.5 - 1	Section composite	8/22/2011	1155	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS022-L-6	SS022-L	0	0.5	0 - 0.5	Section composite	8/22/2011	1145	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS022-R-12	SS022-R	0.5	1	0.5 - 1	Section composite	8/22/2011	1200	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS022-R-6	SS022-R	0	0.5	0 - 0.5	Section composite	8/22/2011	1150	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/D	3 day	Darth Vader	SGS	1114020
11PH-SS022X-R-12	SS022-R	0	0.5	0 - 0.5	Section composite	8/22/2011	1200	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Darth Vader	SGS	1114020
11PH-SS023-A5-6	SS023-A5	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	1604	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	C3PO	SGS	1114790
11PH-SS023-B5-6	SS023-B5	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	1606	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	C3PO	SGS	1114790
11PH-SS023-L-12	SS023-L	0.5	1	0.5 - 1	Section composite	8/22/2011	1310	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS023-L-6	SS023-L	0	0.5	0 - 0.5	Section composite	8/22/2011	1300	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS023-R-12	SS023-R	0.5	1	0.5 - 1	Section composite	8/22/2011	1315	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS023-R-6	SS023-R	0	0.5	0 - 0.5	Section composite	8/22/2011	1305	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS023X-B5-6	SS023-B5	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	1606	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	7 day	C3PO	SGS	1114790
11PH-SS024-F5-6	SS024-F5	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	1642	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	C3PO	SGS	1114790
11PH-SS024-L-12	SS024-L	0.5	1	0.5 - 1	Section composite	8/22/2011	1330	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS024-L-6	SS024-L	0	0.5	0 - 0.5	Section composite	8/22/2011	1320	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS024-R-12	SS024-R	0.5	1	0.5 - 1	Section composite	8/22/2011	1335	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS024-R-6	SS024-R	0	0.5	0 - 0.5	Section composite	8/22/2011	1325	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS025-C5-6	SS025-C5	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	1701	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	7 day	Count Dooku	SGS	1114791
11PH-SS025-C5-6	SS025-C5	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	1701	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Boba Fett	SGS	1114792
11PH-SS025-D5-6	SS025-D5	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	1703	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	7 day	Count Dooku	SGS	1114791
11PH-SS025-D5-6	SS025-D5	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	1703	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Boba Fett	SGS	1114792
11PH-SS025-L-12	SS025-L	0.5	1	0.5 - 1	Section composite	8/22/2011	1350	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS025-L-6	SS025-L	0	0.5	0 - 0.5	Section composite	8/22/2011	1340	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS025-R-12	SS025-R	0.5	1	0.5 - 1	Section composite	8/22/2011	1355	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS025-R-6	SS025-R	0	0.5	0 - 0.5	Section composite	8/22/2011	1345	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-SS026-L-12	SS026-L	0	0.5	0 - 0.5	Section composite	8/22/2011	1405	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS026-L-6	SS026-L	0.5	1	0.5 - 1	Section composite	8/22/2011	1355	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS026-R-12	SS026-R	0	0.5	0 - 0.5	Section composite	8/22/2011	1410	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/D	3 day	Darth Vader	SGS	1114020
11PH-SS026-R-6	SS026-R	0.5	1	0.5 - 1	Section composite	8/22/2011	1400	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS027-L-12	SS027-L	0	0.5	0 - 0.5	Section composite	8/22/2011	1425	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS027-L-6	SS027-L	0.5	1	0.5 - 1	Section composite	8/22/2011	1415	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS027-R-12	SS027-R	0	0.5	0 - 0.5	Section composite	8/22/2011	1430	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS027-R-6	SS027-R	0.5	1	0.5 - 1	Section composite	8/22/2011	1420	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS028-L-12	SS028-L	0	0.5	0 - 0.5	Section composite	8/22/2011	1445	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS028-L-6	SS028-L	0.5	1	0.5 - 1	Section composite	8/22/2011	1435	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS028-R-12	SS028-R	0	0.5	0 - 0.5	Section composite	8/22/2011	1450	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS028-R-6	SS028-R	0.5	1	0.5 - 1	Section composite	8/22/2011	1440	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS028X-L-12	SS028-L	0.5	1	0.5 - 1	Section composite	8/22/2011	1445	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Darth Vader	SGS	1114020
11PH-SS029-E5-6	SS029-E5	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	1402	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	C3PO	SGS	1114790
11PH-SS029-F5-6	SS029-F5	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	1404	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	C3PO	SGS	1114790
11PH-SS029-G5-6	SS029-G5	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	1406	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	C3PO	SGS	1114790
11PH-SS029-L-12	SS029-L	0	0.5	0 - 0.5	Section composite	8/22/2011	1505	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS029-L-6	SS029-L	0.5	1	0.5 - 1	Section composite	8/22/2011	1455	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS029-R-12	SS029-R	0	0.5	0 - 0.5	Section composite	8/22/2011	1510	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS029-R-6	SS029-R	0.5	1	0.5 - 1	Section composite	8/22/2011	1500	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS029X-E5-6	SS029-E5	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	1402	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	7 day	C3PO	SGS	1114790
11PH-SS030-L-12	SS030-L	0	0.5	0 - 0.5	Section composite	8/22/2011	1525	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS030-L-6	SS030-L	0.5	1	0.5 - 1	Section composite	8/22/2011	1515	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS030-R-12	SS030-R	0	0.5	0 - 0.5	Section composite	8/22/2011	1530	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS030-R-6	SS030-R	0.5	1	0.5 - 1	Section composite	8/22/2011	1520	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS031-L-12	SS031-L	0.5	1	0.5 - 1	Section composite	8/22/2011	1545	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS031-L-6	SS031-L	0	0.5	0 - 0.5	Section composite	8/22/2011	1535	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/D	3 day	Darth Vader	SGS	1114020
11PH-SS031-R-12	SS031-R	0.5	1	0.5 - 1	Section composite	8/22/2011	1550	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS031-R-6	SS031-R	0	0.5	0 - 0.5	Section composite	8/22/2011	1540	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS032-D5-6	SS032-D5	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	1524	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	R2-D2	SGS	1114721
11PH-SS032-E5-6	SS032-E5	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	1526	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	R2-D2	SGS	1114721
11PH-SS032-L-12	SS032-L	0.5	1	0.5 - 1	Section composite	8/22/2011	1605	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS032-L-6	SS032-L	0	0.5	0 - 0.5	Section composite	8/22/2011	1555	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS032-R-12	SS032-R	0.5	1	0.5 - 1	Section composite	8/22/2011	1610	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS032-R-6	SS032-R	0	0.5	0 - 0.5	Section composite	8/22/2011	1600	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS033-A5-6	SS033-A5	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	1146	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	R2-D2	SGS	1114721
11PH-SS033-D5-6	SS033-D5	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	1149	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	R2-D2	SGS	1114721
11PH-SS033-E5-6	SS033-E5	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	1150	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	R2-D2	SGS	1114721
11PH-SS033-L-12	SS033-L	0.5	1	0.5 - 1	Section composite	8/22/2011	1615	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS033-L-6	SS033-L	0	0.5	0 - 0.5	Section composite	8/22/2011	1605	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS033-R-12	SS033-R	0.5	1	0.5 - 1	Section composite	8/22/2011	1630	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS033-R-6	SS033-R	0	0.5	0 - 0.5	Section composite	8/22/2011	1620	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS034-L-12	SS034-L	0.5	1	0.5 - 1	Section composite	8/22/2011	1635	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS034-L-6	SS034-L	0	0.5	0 - 0.5	Section composite	8/22/2011	1625	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS034-R-12	SS034-R	0.5	1	0.5 - 1	Section composite	8/22/2011	1650	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS034-R-6	SS034-R	0	0.5	0 - 0.5	Section composite	8/22/2011	1640	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Vader	SGS	1114020
11PH-SS035-L-12	SS035-L	0.5	1	0.5 - 1	Section composite	8/22/2011	1700	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS035-L-6	SS035-L	0	0.5	0 - 0.5	Section composite	8/22/2011	1645	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	3 day	Chewbacca	SGS	1114053
11PH-SS035-R-12	SS035-R	0.5	1	0.5 - 1	Section composite	8/22/2011	1705	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS035-R-6	SS035-R	0	0.5	0 - 0.5	Section composite	8/22/2011	1655	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS035X-R-6	SS035-R	0	0.5	0 - 0.5	Section composite	8/22/2011	1655	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Chewbacca	SGS	1114053

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-SS036-L-12	SS036-L	0	0.5	0 - 0.5	Section composite	8/22/2011	1720	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS036-L-6	SS036-L	0.5	1	0.5 - 1	Section composite	8/22/2011	1710	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS036-R-12	SS036-R	0	0.5	0 - 0.5	Section composite	8/22/2011	1725	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS036-R-6	SS036-R	0.5	1	0.5 - 1	Section composite	8/22/2011	1715	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS037-D5-6	SS037-D5	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	925	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Jabba The Hut	SGS	1114720
11PH-SS037-E5-6	SS037-E5	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	930	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Jabba The Hut	SGS	1114720
11PH-SS037-F5-6	SS037-F5	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	935	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Jabba The Hut	SGS	1114720
11PH-SS037-L-12	SS037-L	0	0.5	0 - 0.5	Section composite	8/22/2011	1740	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS037-L-6	SS037-L	0.5	1	0.5 - 1	Section composite	8/22/2011	1730	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS037-R-12	SS037-R	0	0.5	0 - 0.5	Section composite	8/22/2011	1745	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS037-R-6	SS037-R	0.5	1	0.5 - 1	Section composite	8/22/2011	1735	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS038-A5-6	SS038-A5	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	845	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Jabba The Hut	SGS	1114720
11PH-SS038-L-12	SS038-L	0	0.5	0 - 0.5	Section composite	8/23/2011	740	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS038-L-6	SS038-L	0.5	1	0.5 - 1	Section composite	8/23/2011	730	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS038-R-12	SS038-R	0	0.5	0 - 0.5	Section composite	8/23/2011	745	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS038-R-6	SS038-R	0.5	1	0.5 - 1	Section composite	8/23/2011	735	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS038X-L-12	SS038-L	0.5	1	0.5 - 1	Section composite	8/23/2011	740	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Chewbacca	SGS	1114053
11PH-SS039-L-12	SS039-L	0	0.5	0 - 0.5	Section composite	8/23/2011	800	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	3 day	Chewbacca	SGS	1114053
11PH-SS039-L-6	SS039-L	0.5	1	0.5 - 1	Section composite	8/23/2011	750	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS039-R-12	SS039-R	0	0.5	0 - 0.5	Section composite	8/23/2011	805	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS039-R-6	SS039-R	0.5	1	0.5 - 1	Section composite	8/23/2011	755	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS040-D5-6	SS040-D5	0	0.5	0 - 0.5	Shoulder Characterization	9/24/2011	1425	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-SS040-F5-6	SS040-F5	0	0.5	0 - 0.5	Shoulder Characterization	9/24/2011	1435	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-SS040-G5-6	SS040-G5	0	0.5	0 - 0.5	Shoulder Characterization	9/24/2011	1440	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-SS040-L-12	SS040-L	0	0.5	0 - 0.5	Section composite	8/23/2011	820	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS040-L-6	SS040-L	0.5	1	0.5 - 1	Section composite	8/23/2011	810	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS040-R-12	SS040-R	0	0.5	0 - 0.5	Section composite	8/23/2011	825	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS040-R-6	SS040-R	0.5	1	0.5 - 1	Section composite	8/23/2011	815	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS041-A5-6	SS041-A5	0	0.5	0 - 0.5	Shoulder Characterization	9/24/2011	1520	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-SS041-D5-6	SS041-D5	0	0.5	0 - 0.5	Shoulder Characterization	9/24/2011	1535	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-SS041-F5-6	SS041-F5	0	0.5	0 - 0.5	Shoulder Characterization	9/24/2011	1545	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-SS041-G5-6	SS041-G5	0	0.5	0 - 0.5	Shoulder Characterization	9/24/2011	1550	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-SS041-L-12	SS041-L	0.5	1	0.5 - 1	Section composite	8/23/2011	840	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS041-L-6	SS041-L	0	0.5	0 - 0.5	Section composite	8/23/2011	830	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS041-R-12	SS041-R	0.5	1	0.5 - 1	Section composite	8/23/2011	845	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS041-R-6	SS041-R	0	0.5	0 - 0.5	Section composite	8/23/2011	835	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS042-F0-6	SS042-F0	0	0.5	0 - 0.5	Shoulder Characterization	9/28/2011	1455	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	General Grievous	SGS	1115060
11PH-SS042-F5-6	SS042-F5	0	0.5	0 - 0.5	Shoulder Characterization	9/28/2011	1530	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	General Grievous	SGS	1115060
11PH-SS042-G0-6	SS042-G0	0	0.5	0 - 0.5	Shoulder Characterization	9/28/2011	1500	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	General Grievous	SGS	1115060
11PH-SS042-L-12	SS042-L	0.5	1	0.5 - 1	Section composite	8/23/2011	900	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS042-L-6	SS042-L	0	0.5	0 - 0.5	Section composite	8/23/2011	850	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS042-R-12	SS042-R	0.5	1	0.5 - 1	Section composite	8/23/2011	905	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS042-R-6	SS042-R	0	0.5	0 - 0.5	Section composite	8/23/2011	855	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS043-L-12	SS043-L	0.5	1	0.5 - 1	Section composite	8/23/2011	920	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS043-L-6	SS043-L	0	0.5	0 - 0.5	Section composite	8/23/2011	910	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS043-R-12	SS043-R	0.5	1	0.5 - 1	Section composite	8/23/2011	925	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053

2011 Port Heiden Site Road Analytical Sample Summary

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-SS043-R-6	SS043-R	0	0.5	0 - 0.5	Section composite	8/23/2011	915	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	3 day	Chewbacca	SGS	1114053
11PH-SS044-L-12	SS044-L	0.5	1	0.5 - 1	Section composite	8/23/2011	940	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS044-L-6	SS044-L	0	0.5	0 - 0.5	Section composite	8/23/2011	930	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS044-R-12	SS044-R	0.5	1	0.5 - 1	Section composite	8/23/2011	945	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS044-R-6	SS044-R	0	0.5	0 - 0.5	Section composite	8/23/2011	935	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS045-L-12	SS045-L	0.5	1	0.5 - 1	Section composite	8/23/2011	1000	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS045-L-6	SS045-L	0	0.5	0 - 0.5	Section composite	8/23/2011	950	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS045-R-12	SS045-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1005	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS045-R-6	SS045-R	0	0.5	0 - 0.5	Section composite	8/23/2011	955	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS045X-R-6	SS045-R	0	0.5	0 - 0.5	Section composite	8/23/2011	955	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Chewbacca	SGS	1114053
11PH-SS046-L-12	SS046-L	0	0.5	0 - 0.5	Section composite	8/23/2011	1020	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS046-L-6	SS046-L	0.5	1	0.5 - 1	Section composite	8/23/2011	1010	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS046-R-12	SS046-R	0	0.5	0 - 0.5	Section composite	8/23/2011	1025	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS046-R-6	SS046-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1015	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS047-L-12	SS047-L	0	0.5	0 - 0.5	Section composite	8/23/2011	1040	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS047-L-6	SS047-L	0.5	1	0.5 - 1	Section composite	8/23/2011	1030	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS047-R-12	SS047-R	0	0.5	0 - 0.5	Section composite	8/23/2011	1045	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	3 day	Chewbacca	SGS	1114053
11PH-SS047-R-6	SS047-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1035	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS047X-R-6	SS047-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1035	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Chewbacca	SGS	1114053
11PH-SS048-L-12	SS048-L	0	0.5	0 - 0.5	Section composite	8/23/2011	1100	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS048-L-6	SS048-L	0.5	1	0.5 - 1	Section composite	8/23/2011	1050	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS048-R-12	SS048-R	0	0.5	0 - 0.5	Section composite	8/23/2011	1105	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS048-R-6	SS048-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1055	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS049-L-12	SS049-L	0	0.5	0 - 0.5	Section composite	8/23/2011	1120	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS049-L-6	SS049-L	0.5	1	0.5 - 1	Section composite	8/23/2011	1110	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS049-R-12	SS049-R	0	0.5	0 - 0.5	Section composite	8/23/2011	1125	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS049-R-6	SS049-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1115	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS050-L-12	SS050-L	0	0.5	0 - 0.5	Section composite	8/23/2011	1140	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS050-L-6	SS050-L	0.5	1	0.5 - 1	Section composite	8/23/2011	1130	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS050-R-12	SS050-R	0	0.5	0 - 0.5	Section composite	8/23/2011	1145	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS050-R-6	SS050-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1135	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS051-L-12	SS051-L	0.5	1	0.5 - 1	Section composite	8/23/2011	1200	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS051-L-6	SS051-L	0	0.5	0 - 0.5	Section composite	8/23/2011	1150	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS051-R-12	SS051-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1205	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS051-R-6	SS051-R	0	0.5	0 - 0.5	Section composite	8/23/2011	1155	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Chewbacca	SGS	1114053
11PH-SS052-L-12	SS052-L	0.5	1	0.5 - 1	Section composite	8/23/2011	1245	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS052-L-6	SS052-L	0	0.5	0 - 0.5	Section composite	8/23/2011	1235	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	3 day	Darth Maul	SGS	1114054
11PH-SS052-R-12	SS052-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1250	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS052-R-6	SS052-R	0	0.5	0 - 0.5	Section composite	8/23/2011	1240	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS053-L-12	SS053-L	0.5	1	0.5 - 1	Section composite	8/23/2011	1305	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS053-L-6	SS053-L	0	0.5	0 - 0.5	Section composite	8/23/2011	1255	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS053-R-12	SS053-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1310	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS053-R-6	SS053-R	0	0.5	0 - 0.5	Section composite	8/23/2011	1300	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS054-L-12	SS054-L	0.5	1	0.5 - 1	Section composite	8/23/2011	1325	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS054-L-6	SS054-L	0	0.5	0 - 0.5	Section composite	8/23/2011	1315	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS054-R-12	SS054-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1330	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS054-R-6	SS054-R	0	0.5	0 - 0.5	Section composite	8/23/2011	1320	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS054X-L-6	SS054-L	0	0.5	0 - 0.5	Section composite	8/23/2011	1315	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Darth Maul	SGS	1114054
11PH-SS055-L-12	SS055-L	0.5	1	0.5 - 1	Section composite	8/23/2011	1345	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS055-L-6	SS055-L	0	0.5	0 - 0.5	Section composite	8/23/2011	1335	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS055-R-12	SS055-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1350	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS055-R-6	SS055-R	0	0.5	0 - 0.5	Section composite	8/23/2011	1340	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS056-L-12	SS056-L	0	0.5	0 - 0.5	Section composite	8/23/2011	1405	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	3 day	Darth Maul	SGS	1114054
11PH-SS056-L-6	SS056-L	0.5	1	0.5 - 1	Section composite	8/23/2011	1355	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS056-R-12	SS056-R	0	0.5	0 - 0.5	Section composite	8/23/2011	1410	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS056-R-6	SS056-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1400	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS057-L-12	SS057-L	0	0.5	0 - 0.5	Section composite	8/23/2011	1425	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS057-L-6	SS057-L	0.5	1	0.5 - 1	Section composite	8/23/2011	1415	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS057-R-12	SS057-R	0	0.5	0 - 0.5	Section composite	8/23/2011	1430	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS057-R-6	SS057-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1420	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054

2011 Port Heiden Site Road Analytical Sample Summary

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-SS057X-L-12	SS057-L	0.5	1	0.5 - 1	Section composite	8/23/2011	1425	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Darth Maul	SGS	1114054
11PH-SS058-L-12	SS058-L	0	0.5	0 - 0.5	Section composite	8/23/2011	1445	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS058-L-6	SS058-L	0.5	1	0.5 - 1	Section composite	8/23/2011	1435	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS058-R-12	SS058-R	0	0.5	0 - 0.5	Section composite	8/23/2011	1450	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS058-R-6	SS058-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1440	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS059-L-12	SS059-L	0	0.5	0 - 0.5	Section composite	8/23/2011	1505	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS059-L-6	SS059-L	0.5	1	0.5 - 1	Section composite	8/23/2011	1455	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS059-R-12	SS059-R	0	0.5	0 - 0.5	Section composite	8/23/2011	1510	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS059-R-6	SS059-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1500	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS060-L-12	SS060-L	0	0.5	0 - 0.5	Section composite	8/23/2011	1525	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS060-L-6	SS060-L	0.5	1	0.5 - 1	Section composite	8/23/2011	1515	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS060-R-12	SS060-R	0	0.5	0 - 0.5	Section composite	8/23/2011	1530	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	3 day	Darth Maul	SGS	1114054
11PH-SS060-R-6	SS060-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1520	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS061-L-12	SS061-L	0.5	1	0.5 - 1	Section composite	8/23/2011	1545	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS061-L-6	SS061-L	0	0.5	0 - 0.5	Section composite	8/23/2011	1535	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS061-R-12	SS061-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1550	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS061-R-6	SS061-R	0	0.5	0 - 0.5	Section composite	8/23/2011	1540	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS062-L-12	SS062-L	0.5	1	0.5 - 1	Section composite	8/23/2011	1605	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS062-L-6	SS062-L	0	0.5	0 - 0.5	Section composite	8/23/2011	1555	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS062-R-12	SS062-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1610	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS062-R-6	SS062-R	0	0.5	0 - 0.5	Section composite	8/23/2011	1600	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS063-L-12	SS063-L	0.5	1	0.5 - 1	Section composite	8/23/2011	1625	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS063-L-6	SS063-L	0	0.5	0 - 0.5	Section composite	8/23/2011	1615	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS063-R-12	SS063-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1630	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS063-R-6	SS063-R	0	0.5	0 - 0.5	Section composite	8/23/2011	1620	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS064-L-12	SS064-L	0.5	1	0.5 - 1	Section composite	8/23/2011	1645	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Obi-Wan Kenobi	SGS	1114119
11PH-SS064-L-6	SS064-L	0	0.5	0 - 0.5	Section composite	8/23/2011	1635	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS064-R-12	SS064-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1650	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS064-R-6	SS064-R	0	0.5	0 - 0.5	Section composite	8/23/2011	1640	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS064X-L-6	SS064-L	0	0.5	0 - 0.5	Section composite	8/23/2011	1635	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Darth Maul	SGS	1114054
11PH-SS065-L-12	SS065-L	0.5	1	0.5 - 1	Section composite	8/23/2011	1705	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS065-L-6	SS065-L	0	0.5	0 - 0.5	Section composite	8/23/2011	1655	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	3 day	Darth Maul	SGS	1114054
11PH-SS065-R-12	SS065-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1710	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS065-R-6	SS065-R	0	0.5	0 - 0.5	Section composite	8/23/2011	1700	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS066-L-12	SS066-L	0	0.5	0 - 0.5	Section composite	8/23/2011	1725	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS066-L-6	SS066-L	0.5	1	0.5 - 1	Section composite	8/23/2011	1715	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS066-R-12	SS066-R	0	0.5	0 - 0.5	Section composite	8/23/2011	1730	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS066-R-6	SS066-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1720	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS067-L-12	SS067-L	0	0.5	0 - 0.5	Section composite	8/23/2011	1745	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS067-L-6	SS067-L	0.5	1	0.5 - 1	Section composite	8/23/2011	1735	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS067-R-12	SS067-R	0	0.5	0 - 0.5	Section composite	8/23/2011	1750	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS067-R-6	SS067-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1740	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS068-L-12	SS068-L	0	0.5	0 - 0.5	Section composite	8/23/2011	1805	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS068-L-6	SS068-L	0.5	1	0.5 - 1	Section composite	8/23/2011	1755	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS068-R-12	SS068-R	0	0.5	0 - 0.5	Section composite	8/23/2011	1805	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS068-R-6	SS068-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1800	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Darth Maul	SGS	1114054
11PH-SS069-L-12	SS069-L	0	0.5	0 - 0.5	Section composite	8/23/2011	1820	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS069-L-6	SS069-L	0.5	1	0.5 - 1	Section composite	8/23/2011	1810	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	3 day	Han Solo	SGS	1114121
11PH-SS069-R-12	SS069-R	0	0.5	0 - 0.5	Section composite	8/23/2011	1825	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS069-R-6	SS069-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1815	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS069X-R-6	SS069-R	0.5	1	0.5 - 1	Section composite	8/23/2011	1815	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Han Solo	SGS	1114121
11PH-SS070-L-12	SS070-L	0	0.5	0 - 0.5	Section composite	8/24/2011	935	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS070-L-6	SS070-L	0.5	1	0.5 - 1	Section composite	8/24/2011	925	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS070-R-12	SS070-R	0	0.5	0 - 0.5	Section composite	8/24/2011	940	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS070-R-6	SS070-R	0.5	1	0.5 - 1	Section composite	8/24/2011	930	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS071-L-12	SS071-L	0.5	1	0.5 - 1	Section composite	8/24/2011	955	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS071-L-6	SS071-L	0	0.5	0 - 0.5	Section composite	8/24/2011	945	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS071-R-12	SS071-R	0.5	1	0.5 - 1	Section composite	8/24/2011	1000	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS071-R-6	SS071-R	0	0.5	0 - 0.5	Section composite	8/24/2011	950	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS072-L-12	SS072-L	0.5	1	0.5 - 1	Section composite	8/24/2011	1015	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-SS072-L-6	SS072-L	0	0.5	0 - 0.5	Section composite	8/24/2011	1005	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS072-R-12	SS072-R	0.5	1	0.5 - 1	Section composite	8/24/2011	1020	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS072-R-6	SS072-R	0	0.5	0 - 0.5	Section composite	8/24/2011	1010	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS073-L-12	SS073-L	0.5	1	0.5 - 1	Section composite	8/24/2011	1035	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	3 day	Han Solo	SGS	1114121
11PH-SS073-L-6	SS073-L	0	0.5	0 - 0.5	Section composite	8/24/2011	1025	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS073-R-12	SS073-R	0.5	1	0.5 - 1	Section composite	8/24/2011	1040	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS073-R-6	SS073-R	0	0.5	0 - 0.5	Section composite	8/24/2011	1030	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS074-L-12	SS074-L	0.5	1	0.5 - 1	Section composite	8/24/2011	1055	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS074-L-6	SS074-L	0	0.5	0 - 0.5	Section composite	8/24/2011	1045	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS074-R-12	SS074-R	0.5	1	0.5 - 1	Section composite	8/24/2011	1100	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS074-R-6	SS074-R	0	0.5	0 - 0.5	Section composite	8/24/2011	1050	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS075-L-12	SS075-L	0.5	1	0.5 - 1	Section composite	8/24/2011	1115	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS075-L-6	SS075-L	0	0.5	0 - 0.5	Section composite	8/24/2011	1105	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS075-R-12	SS075-R	0.5	1	0.5 - 1	Section composite	8/24/2011	1120	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS075-R-6	SS075-R	0	0.5	0 - 0.5	Section composite	8/24/2011	1110	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS075X-L-12	SS075-L	0	0.5	0 - 0.5	Section composite	8/24/2011	1115	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Han Solo	SGS	1114121
11PH-SS076-L-12	SS076-L	0	0.5	0 - 0.5	Section composite	8/24/2011	1135	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS076-L-6	SS076-L	0.5	1	0.5 - 1	Section composite	8/24/2011	1125	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS076-R-12	SS076-R	0	0.5	0 - 0.5	Section composite	8/24/2011	1140	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS076-R-6	SS076-R	0.5	1	0.5 - 1	Section composite	8/24/2011	1130	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS076X-L-6	SS076-L	0.5	1	0.5 - 1	Section composite	8/24/2011	1125	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Han Solo	SGS	1114121
11PH-SS077-L-12	SS077-L	0	0.5	0 - 0.5	Section composite	8/24/2011	1155	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS077-L-6	SS077-L	0.5	1	0.5 - 1	Section composite	8/24/2011	1145	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS077-R-12	SS077-R	0	0.5	0 - 0.5	Section composite	8/24/2011	1200	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS077-R-6	SS077-R	0.5	1	0.5 - 1	Section composite	8/24/2011	1150	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	3 day	Han Solo	SGS	1114121
11PH-SS078-L-12	SS078-L	0	0.5	0 - 0.5	Section composite	8/24/2011	1235	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS078-L-6	SS078-L	0.5	1	0.5 - 1	Section composite	8/24/2011	1230	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS078-R-12	SS078-R	0	0.5	0 - 0.5	Section composite	8/24/2011	1240	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS078-R-6	SS078-R	0.5	1	0.5 - 1	Section composite	8/24/2011	1245	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS079-L-12	SS079-L	0	0.5	0 - 0.5	Section composite	8/24/2011	1300	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS079-L-6	SS079-L	0.5	1	0.5 - 1	Section composite	8/24/2011	1250	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS079-R-12	SS079-R	0	0.5	0 - 0.5	Section composite	8/24/2011	1305	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS079-R-6	SS079-R	0.5	1	0.5 - 1	Section composite	8/24/2011	1255	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS080-L-12	SS080-L	0	0.5	0 - 0.5	Section composite	8/24/2011	1320	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS080-L-6	SS080-L	0.5	1	0.5 - 1	Section composite	8/24/2011	1310	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS080-R-12	SS080-R	0	0.5	0 - 0.5	Section composite	8/24/2011	1325	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS080-R-6	SS080-R	0.5	1	0.5 - 1	Section composite	8/24/2011	1315	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS081-L-12	SS081-L	0.5	1	0.5 - 1	Section composite	8/24/2011	1340	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS081-L-6	SS081-L	0	0.5	0 - 0.5	Section composite	8/24/2011	1330	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS081-R-12	SS081-R	0.5	1	0.5 - 1	Section composite	8/24/2011	1345	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	3 day	Han Solo	SGS	1114121
11PH-SS081-R-6	SS081-R	0	0.5	0 - 0.5	Section composite	8/24/2011	1335	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS082-L-12	SS082-L	0.5	1	0.5 - 1	Section composite	8/24/2011	1400	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS082-L-6	SS082-L	0	0.5	0 - 0.5	Section composite	8/24/2011	1350	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS082-R-12	SS082-R	0.5	1	0.5 - 1	Section composite	8/24/2011	1450	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS082-R-6	SS082-R	0	0.5	0 - 0.5	Section composite	8/24/2011	1355	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS082X-L-12	SS082-L	0	0.5	0 - 0.5	Section composite	8/24/2011	1400	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Luke Skywalker	SGS	1114121
11PH-SS083-L-12	SS083-L	0.5	1	0.5 - 1	Section composite	8/24/2011	1420	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS083-L-6	SS083-L	0	0.5	0 - 0.5	Section composite	8/24/2011	1410	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS083-R-12	SS083-R	0.5	1	0.5 - 1	Section composite	8/24/2011	1425	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS083-R-6	SS083-R	0	0.5	0 - 0.5	Section composite	8/24/2011	1415	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS084-L-12	SS084-L	0.5	1	0.5 - 1	Section composite	8/24/2011	1440	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS084-L-6	SS084-L	0	0.5	0 - 0.5	Section composite	8/24/2011	1430	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS084-R-12	SS084-R	0.5	1	0.5 - 1	Section composite	8/24/2011	1445	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS084-R-6	SS084-R	0	0.5	0 - 0.5	Section composite	8/24/2011	1435	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS085-L-12	SS085-L	0.5	1	0.5 - 1	Section composite	8/24/2011	1500	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS085-L-6	SS085-L	0	0.5	0 - 0.5	Section composite	8/24/2011	1450	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS085-R-12	SS085-R	0.5	1	0.5 - 1	Section composite	8/24/2011	1505	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS085-R-6	SS085-R	0	0.5	0 - 0.5	Section composite	8/24/2011	1455	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Han Solo	SGS	1114121
11PH-SS086-G0-6	SS086-G0	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	1329	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-SS086-L-12	SS086-L	0	0.5	0 - 0.5	Section composite	8/24/2011	1520	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Luke Skywalker	SGS	1114121
11PH-SS086-L-6	SS086-L	0.5	1	0.5 - 1	Section composite	8/24/2011	1510	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	3 day	Luke Skywalker	SGS	1114121
11PH-SS086-R-12	SS086-R	0	0.5	0 - 0.5	Section composite	8/24/2011	1525	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Luke Skywalker	SGS	1114121
11PH-SS086-R-6	SS086-R	0.5	1	0.5 - 1	Section composite	8/24/2011	1515	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Luke Skywalker	SGS	1114121
11PH-SS087-A0-6	SS087-A0	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	1331	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Jango Fett	SGS	1115059
11PH-SS087-A5-6	SS087-A5	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	914	CP/CF	SW8082	SO	2	Amber	4 oz	4 ± 2°	MS/MSD	7 day	B-Wing	SGS	1115012
11PH-SS087-B0-6	SS087-B0	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	1333	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Jango Fett	SGS	1115059
11PH-SS087-B5-6	SS087-B5	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	916	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	B-Wing	SGS	1115012
11PH-SS087-C0-6	SS087-C0	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	1335	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Jango Fett	SGS	1115059
11PH-SS087-C5-6	SS087-C5	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	918	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	B-Wing	SGS	1115012
11PH-SS087-D0-6	SS087-D0	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	1337	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Jango Fett	SGS	1115059
11PH-SS087-F0-6	SS087-F0	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	1341	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Jango Fett	SGS	1115059
11PH-SS087-G0-6	SS087-G0	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	1343	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Jango Fett	SGS	1115059
11PH-SS087-L-12	SS087-L	0	0.5	0 - 0.5	Section composite	8/24/2011	1540	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Luke Skywalker	SGS	1114121
11PH-SS087-L-6	SS087-L	0.5	1	0.5 - 1	Section composite	8/24/2011	1530	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Luke Skywalker	SGS	1114121
11PH-SS087-R-12	SS087-R	0	0.5	0 - 0.5	Section composite	8/24/2011	1545	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Luke Skywalker	SGS	1114121
11PH-SS087-R-6	SS087-R	0.5	1	0.5 - 1	Section composite	8/24/2011	1535	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Luke Skywalker	SGS	1114121
11PH-SS087X-B5-6	SS087-B5	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	916	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	7 day	B-Wing	SGS	1115012
11PH-SS088-B0-6	SS088-B0	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	1347	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-SS088-C0-6	SS088-C0	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	1349	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-SS088-C5-6	SS088-C5	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	932	CP/CF	SW8082	SO	2	Amber	4 oz	4 ± 2°	MS/MSD	7 day	B-Wing	SGS	1115012
11PH-SS088-E0-6	SS088-E0	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	1353	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	7 day	Lando Cairissian	SGS	1115057
11PH-SS088-F0-6	SS088-F0	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	1355	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-SS088-G0-6	SS088-G0	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	1357	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-SS088-L-12	SS088-L	0	0.5	0 - 0.5	Section composite	8/24/2011	1600	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Luke Skywalker	SGS	1114121
11PH-SS088-L-6	SS088-L	0.5	1	0.5 - 1	Section composite	8/24/2011	1550	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Luke Skywalker	SGS	1114121
11PH-SS088-R-12	SS088-R	0	0.5	0 - 0.5	Section composite	8/24/2011	1605	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Luke Skywalker	SGS	1114121
11PH-SS088-R-6	SS088-R	0.5	1	0.5 - 1	Section composite	8/24/2011	1555	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Luke Skywalker	SGS	1114121
11PH-SS088X-R-12	SS088-R	0.5	1	0.5 - 1	Section composite	8/24/2011	1605	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Luke Skywalker	SGS	1114121
11PH-SS089-A5-6	SS089-A5	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	942	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-SS089-C0-6	SS089-C0	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	1403	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-SS089-D0-6	SS089-D0	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	1405	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-SS089-D5-6	SS089-D5	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	948	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-SS089-E0-6	SS089-E0	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	1407	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-SS089-E5-6	SS089-E5	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	950	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-SS089-F5-6	SS089-F5	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	952	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-SS089-G0-6	SS089-G0	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	1411	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-SS089-G5-6	SS089-G5	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	954	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-SS089-L-12	SS089-L	0	0.5	0 - 0.5	Section composite	8/24/2011	1620	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Luke Skywalker	SGS	1114121
11PH-SS089-L-6	SS089-L	0.5	1	0.5 - 1	Section composite	8/24/2011	1610	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Luke Skywalker	SGS	1114121
11PH-SS089-R-12	SS089-R	0	0.5	0 - 0.5	Section composite	8/24/2011	1625	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Luke Skywalker	SGS	1114121
11PH-SS089-R-6	SS089-R	0.5	1	0.5 - 1	Section composite	8/24/2011	1615	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Luke Skywalker	SGS	1114121
11PH-SS090-A5-6	SS090-A5	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	956	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	B-Wing	SGS	1115012
11PH-SS090-C0-6	SS090-C0	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	1417	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-SS090-C5-6	SS090-C5	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	1000	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	B-Wing	SGS	1115012
11PH-SS090-D0-6	SS090-D0	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	1419	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-SS090-D5-6	SS090-D5	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	1002	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	B-Wing	SGS	1115012
11PH-SS090-E0-6	SS090-E0	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	1421	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-SS090-F5-6	SS090-F5	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	1006	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	B-Wing	SGS	1115012
11PH-SS090-G5-6	SS090-G5	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	1008	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	B-Wing	SGS	1115012
11PH-SS090-L-12	SS090-L	0	0.5	0 - 0.5	Section composite	8/24/2011	1640	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Luke Skywalker	SGS	1114121
11PH-SS090-L-6	SS090-L	0.5	1	0.5 - 1	Section composite	8/24/2011	1630	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Luke Skywalker	SGS	1114121
11PH-SS090-R-12	SS090-R	0	0.5	0 - 0.5	Section composite	8/24/2011	1645	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Luke Skywalker	SGS	1114121
11PH-SS090-R-6	SS090-R	0.5	1	0.5 - 1	Section composite	8/24/2011	1635	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	3 day	Luke Skywalker	SGS	1114121
11PH-TU001-R1-A-6	TU001-R1-A	0	0.5	0 - 0.5	Tundra Characterization	9/30/2011	1830	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU001-R1-B-6	TU001-R1-B	0	0.5	0 - 0.5	Tundra Characterization	9/30/2011	1831	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU001-R1-F-6	TU001-R1-F	0	0.5	0 - 0.5	Tundra Characterization	9/30/2011	1835	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU004-L-100-6	TU004-L-100	0	0.5	0 - 0.5	Tundra Stepout	9/1/2011	1515	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU004-L-125-6	TU004-L-125	0	0.5	0 - 0.5	Tundra Stepout	9/27/2011	900	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU004-L-175-6	TU004-L-175	0	0.5	0 - 0.5	Shoulder Characterization	9/29/2011	1350	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU004-R-50-6	TU004-R-50	0	0.5	0 - 0.5	Tundra Stepout	8/27/2011	1715	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Padme	SGS	1114546
11PH-TU005-R-50-6	TU005-R-50	0	0.5	0 - 0.5	Tundra Stepout	8/27/2011	1712	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Padme	SGS	1114546
11PH-TU006-L-50-12	TU006-L-50	0.5	1	0.5 - 1	Tundra Stepout	9/1/2011	1445	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Padme	SGS	1114546
11PH-TU006-L-75-6	TU006-L-75	0	0.5	0 - 0.5	Tundra Stepout	9/1/2011	1435	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Padme	SGS	1114546
11PH-TU007-R-75-6	TU007-R-75	0	0.5	0 - 0.5	Tundra Stepout	9/1/2011	1410	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Padme	SGS	1114546
11PH-TU008-L-50-12	TU008-L-50	0.5	1	0.5 - 1	Tundra Stepout	9/1/2011	1405	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Padme	SGS	1114546
11PH-TU008-R-50-6	TU008-R-50	0	0.5	0 - 0.5	Tundra Stepout	8/27/2011	1703	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Padme	SGS	1114546
11PH-TU009-L1-A-6	TU009-L1-A	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1328	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU009-L1-B-6	TU009-L1-B	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1330	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU009-L1-C-6	TU009-L1-C	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1332	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU009-L1-D-6	TU009-L1-D	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1334	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU009-L1-E-6	TU009-L1-E	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1336	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU009-L1-F-6	TU009-L1-F	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1338	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU009-R-50-6	TU009-R-50	0	0.5	0 - 0.5	Tundra Stepout	8/27/2011	1700	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Padme	SGS	1114546
11PH-TU009-R-75-6	TU009-R-75	0	0.5	0 - 0.5	Tundra Stepout	9/1/2011	1330	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-TU010-L1-B-6	TU010-L1-B	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1358	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU010-R1-A-6	TU010-R1-A	0	0.5	0 - 0.5	Tundra Characterization	9/24/2011	914	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU010-R1-B-6	TU010-R1-B	0	0.5	0 - 0.5	Tundra Characterization	9/24/2011	916	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU010-R1-C-6	TU010-R1-C	0	0.5	0 - 0.5	Tundra Characterization	9/24/2011	918	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU010-R1-E-6	TU010-R1-E	0	0.5	0 - 0.5	Tundra Characterization	9/24/2011	922	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU010-R1-G-6	TU010-R1-G	0	0.5	0 - 0.5	Tundra Characterization	9/24/2011	926	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU010-R-50-6	TU010-R-50	0	0.5	0 - 0.5	Tundra Stepout	8/27/2011	1355	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Padme	SGS	1114546
11PH-TU011-L2-B-6	TU011-L2-B	0	0.5	0 - 0.5	Tundra Characterization	9/28/2011	904	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU011-L2-E-6	TU011-L2-E	0	0.5	0 - 0.5	Tundra Characterization	9/28/2011	912	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU011-R1-A-6	TU011-R1-A	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	914	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU011-R1-B-6	TU011-R1-B	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	916	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU011-R1-D-6	TU011-R1-D	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	920	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU011-R1-F-6	TU011-R1-F	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	924	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU011-R1-G-6	TU011-R1-G	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	926	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU011-R-50-6	TU011-R-50	0	0.5	0 - 0.5	Tundra Stepout	8/27/2011	1350	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Padme	SGS	1114546
11PH-TU011X-R1-D-6	TU011-R1-D	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	920	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	7 day	Boba Fett	SGS	1114792
11PH-TU012-L-100-6	TU012-L-100	0	0.5	0 - 0.5	Tundra Stepout	9/20/2011	1426	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU012-L1-B-6	TU012-L1-B	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1454	CP	SW8082	SO	1	Amber	4 0z	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU012-L1-C-6	TU012-L1-C	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1456	CP	SW8082	SO	1	Amber	4 0z	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU012-L1-E-6	TU012-L1-E	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1500	CP	SW8082	SO	1	Amber	4 0z	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU012-L1-F-6	TU012-L1-F	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1502	CP	SW8082	SO	1	Amber	4 0z	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU012-L1-G-6	TU012-L1-G	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1504	CP	SW8082	SO	1	Amber	4 0z	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU012-L2-B-6	TU012-L2-B	0	0.5	0 - 0.5	Tundra Characterization	10/1/2011	1637	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU012-L3-B-6	TU012-L3-B	0	0.5	0 - 0.5	Tundra Characterization	10/3/2011	1040	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU012-L4-C-6	TU012-L4-C	0	0.5	0 - 0.5	Tundra Characterization	10/3/2011	1052	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU012-L4-D-6	TU012-L4-D	0	0.5	0 - 0.5	Tundra Characterization	9/27/2011	1630	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU012-L-50-12	TU012-L-50	0.5	1	0.5 - 1	Tundra Stepout	9/1/2011	1146	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Padme	SGS	1114546
11PH-TU012-R1-A-6	TU012-R1-A	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	928	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU012-R1-B-6	TU012-R1-B	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	930	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU012-R1-C-6	TU012-R1-C	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	932	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU012-R1-D-6	TU012-R1-D	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	934	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU012-R1-E-6	TU012-R1-E	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	936	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-TU012-R1-F-6	TU012-R1-F	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	938	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU012-R1-G-6	TU012-R1-G	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	940	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU012X-L1-F-6	TU012-L1-F	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1502	CP	SW8082	SO	1	Amber	4 Oz	4 ± 2°	Duplicate	7 day	C3PO	SGS	1114790
11PH-TU012X-L2-B-6	TU012-L2-B	0	0.5	0 - 0.5	Tundra Characterization	10/1/2011	1637	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	7 day	Lando Cairissian	SGS	1115057
11PH-TU013-L1-A-6	TU013-L1-A	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1520	CP	SW8082	SO	1	Amber	4 Oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU013-L1-B-6	TU013-L1-B	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1522	CP	SW8082	SO	1	Amber	4 Oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU013-L1-C-6	TU013-L1-C	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1524	CP	SW8082	SO	1	Amber	4 Oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU013-L1-D-6	TU013-L1-D	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1526	CP	SW8082	SO	1	Amber	4 Oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU013-L1-E-6	TU013-L1-E	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1528	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU013-L1-F-6	TU013-L1-F	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1530	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU013-L2-D-6	TU013-L2-D	0	0.5	0 - 0.5	Tundra Characterization	9/27/2011	1500	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU013-L3-G-6	TU013-L3-G	0	0.5	0 - 0.5	Tundra Characterization	10/1/2011	1648	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU013-L-50-18	TU013-L-50	1	1.5	1 - 1.5	Tundra Stepout	9/20/2011	1430	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU013-R1-A-6	TU013-R1-A	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	942	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU013-R1-B-6	TU013-R1-B	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	944	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU013-R1-C-6	TU013-R1-C	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	946	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU013-R1-D-6	TU013-R1-D	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	948	CP/CF	SW8082	SO	1	Amber	4 Oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU013-R1-E-6	TU013-R1-E	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	950	CP/CF	SW8082	SO	1	Amber	4 Oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU013-R1-F-6	TU013-R1-F	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	952	CP/CF	SW8082	SO	1	Amber	4 Oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU013-R1-G-6	TU013-R1-G	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	954	CP/CF	SW8082	SO	1	Amber	4 Oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU013-R-50-6	TU013-R-50	0	0.5	0 - 0.5	Tundra Stepout	8/27/2011	1340	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU013X-R1-C-6	TU013-R1-C	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	946	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	7 day	Boba Fett	SGS	1114792
11PH-TU014-L-100-6	TU014-L-100	0	0.5	0 - 0.5	Tundra Stepout	9/20/2011	1438	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU014-L1-B-6	TU014-L1-B	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1550	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU014-L1-C-6	TU014-L1-C	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1552	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU014-L1-D-6	TU014-L1-D	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1554	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU014-L1-G-6	TU014-L1-G	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1600	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU014-L2-C-6	TU014-L2-C	0	0.5	0 - 0.5	Tundra Characterization	10/3/2011	1206	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU014-L2-D-6	TU014-L2-D	0	0.5	0 - 0.5	Tundra Characterization	9/27/2011	1505	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU014-L3-B-6	TU014-L3-B	0	0.5	0 - 0.5	Tundra Characterization	10/3/2011	1209	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU014-L4-A-6	TU014-L4-A	0	0.5	0 - 0.5	Tundra Characterization	10/3/2011	1212	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU014-L-75-6	TU014-L-75	0	0.5	0 - 0.5	Tundra Stepout	9/1/2011	1132	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Padme	SGS	1114546

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-TU014X-L2-C-6	TU014-L2-C	0	0.5	0 - 0.5	Tundra Characterization	10/3/2011	1206	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	7 day	Lando Cairissian	SGS	1115057
11PH-TU015-L1-E-6	TU015-L1-E	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1624	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	B-Wing	SGS	1115012
11PH-TU015-L1-F-6	TU015-L1-F	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1626	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	B-Wing	SGS	1115012
11PH-TU015-L3-G-6	TU015-L3-G	0	0.5	0 - 0.5	Tundra Characterization	10/3/2011	1217	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU015-L-75-6	TU015-L-75	0	0.5	0 - 0.5	Tundra Stepout	9/1/2011	1126	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU015-R-75-6	TU015-R-75	0	0.5	0 - 0.5	Tundra Stepout	9/1/2011	1124	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU016-L-100-6	TU016-L-100	0	0.5	0 - 0.5	Tundra Stepout	9/20/2011	1500	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU016-L1-A-6	TU016-L1-A	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1644	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	B-Wing	SGS	1115012
11PH-TU016-L1-B-6	TU016-L1-B	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1646	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	B-Wing	SGS	1115012
11PH-TU016-L1-C-6	TU016-L1-C	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1648	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	B-Wing	SGS	1115012
11PH-TU016-L1-D-6	TU016-L1-D	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1650	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	B-Wing	SGS	1115012
11PH-TU016-L1-E-6	TU016-L1-E	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1652	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	B-Wing	SGS	1115012
11PH-TU016-L1-G-6	TU016-L1-G	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1656	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	B-Wing	SGS	1115012
11PH-TU016-L2-B-6	TU016-L2-B	0	0.5	0 - 0.5	Tundra Characterization	10/3/2011	1220	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU016-L3-C-6	TU016-L3-C	0	0.5	0 - 0.5	Tundra Characterization	10/3/2011	1222	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU016-L3-D-6	TU016-L3-D	0	0.5	0 - 0.5	Tundra Characterization	10/1/2011	1627	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU016-L3-E-6	TU016-L3-E	0	0.5	0 - 0.5	Tundra Characterization	10/3/2011	1225	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU016-L3-F-6	TU016-L3-F	0	0.5	0 - 0.5	Tundra Characterization	10/3/2011	1227	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU016-L4-C-6	TU016-L4-C	0	0.5	0 - 0.5	Tundra Characterization	9/27/2011	1520	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU016-R1-F-6	TU016-R1-F	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1020	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	B-Wing	SGS	1115012
11PH-TU016-R1-G-6	TU016-R1-G	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1022	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	B-Wing	SGS	1115012
11PH-TU016X-L1-C-6	TU016-L1-C	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1648	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	7 day	B-Wing	SGS	1115012
11PH-TU017-L2-C-6	TU017-L2-C	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	930	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba the Hut	SGS	1114720
11PH-TU017-L2-D-6	TU017-L2-D	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	935	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba the Hut	SGS	1114720
11PH-TU017-L2-F-6	TU017-L2-F	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	945	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Yoda	SGS	1114724
11PH-TU017-L3-C-6	TU017-L3-C	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1005	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Yoda	SGS	1114724
11PH-TU017-L3-E-6	TU017-L3-E	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1015	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Yoda	SGS	1114724
11PH-TU017-L3-F-6	TU017-L3-F	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1020	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Yoda	SGS	1114724
11PH-TU017-L3-G-6	TU017-L3-G	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1025	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Yoda	SGS	1114724
11PH-TU017-L4-A-6	TU017-L4-A	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1030	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Yoda	SGS	1114724
11PH-TU017-L4-E-6	TU017-L4-E	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1050	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Yoda	SGS	1114724

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-TU017-L4-F-6	TU017-L4-F	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1055	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Yoda	SGS	1114724
11PH-TU017-L-50-6	TU017-L-50	0	0.5	0 - 0.5	Tundra Stepout	8/27/2011	1430	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	R2-D2	SGS	1114721
11PH-TU017-R-100-6	TU017-R-100	0	0.5	0 - 0.5	Tundra Stepout	9/20/2011	1634	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	3 day	Jabba The Hut	SGS	1114720
11PH-TU017-R1-E-6	TU017-R1-E	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1032	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	General Grevious	SGS	1115060
11PH-TU017-R1-F-6	TU017-R1-F	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1034	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	General Grevious	SGS	1115060
11PH-TU017-R1-G-6	TU017-R1-G	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1036	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	General Grevious	SGS	1115060
11PH-TU017-R-50-6	TU017-R-50	0	0.5	0 - 0.5	Tundra Stepout	8/27/2011	1320	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	R2-D2	SGS	1114721
11PH-TU017-R-75-6	TU017-R-75	0	0.5	0 - 0.5	Tundra Stepout	9/1/2011	1112	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Padme	SGS	1114546
11PH-TU017X-L4-E-6	TU017-L4-E	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1050	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Yoda	SGS	1114724
11PH-TU018-L2-E-6	TU018-L2-E	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1324	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Yoda	SGS	1114724
11PH-TU018-L2-F-6	TU018-L2-F	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1326	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Yoda	SGS	1114724
11PH-TU018-L2-G-6	TU018-L2-G	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1328	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Yoda	SGS	1114724
11PH-TU018-L3-A-6	TU018-L3-A	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1330	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Yoda	SGS	1114724
11PH-TU018-L3-B-6	TU018-L3-B	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1332	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Yoda	SGS	1114724
11PH-TU018-L3-C-6	TU018-L3-C	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1334	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Yoda	SGS	1114724
11PH-TU018-L3-D-6	TU018-L3-D	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1336	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Yoda	SGS	1114724
11PH-TU018-L3-E-6	TU018-L3-E	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1338	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Yoda	SGS	1114724
11PH-TU018-L3-F-6	TU018-L3-F	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1340	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Yoda	SGS	1114724
11PH-TU018-L3-G-6	TU018-L3-G	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1342	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Yoda	SGS	1114724
11PH-TU018-L-75-6	TU018-L-75	0	0.5	0 - 0.5	Tundra Stepout	9/1/2011	1108	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Padme	SGS	1114546
11PH-TU018-R1-B-6	TU018-R1-B	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1038	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Count Dooku	SGS	1114791
11PH-TU019-L-100-6	TU019-L-10	0	0.5	0 - 0.5	Tundra Stepout	9/20/2011	1658	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Jabba The Hut	SGS	1114720
11PH-TU019-L1-G-6	TU019-L1-G	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1444	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Yoda	SGS	1114724
11PH-TU019-L2-B-6	TU019-L2-B	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1448	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Yoda	SGS	1114724
11PH-TU019-L2-C-6	TU019-L2-C	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1450	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Yoda	SGS	1114724
11PH-TU019-L2-D-6	TU019-L2-D	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1452	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Yoda	SGS	1114724
11PH-TU019-L2-E-6	TU019-L2-E	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1454	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Yoda	SGS	1114724
11PH-TU019-L2-F-6	TU019-L2-F	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1456	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Yoda	SGS	1114724
11PH-TU019-L3-A-6	TU019-L3-A	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1500	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Yoda	SGS	1114724
11PH-TU019-L3-B-6	TU019-L3-B	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1502	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Yoda	SGS	1114724
11PH-TU019-L3-C-6	TU019-L3-C	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1504	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Yoda	SGS	1114724
11PH-TU019-L3-E-6	TU019-L3-E	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1508	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Jabba The Hut	SGS	1114720
11PH-TU019-L3-G-6	TU019-L3-G	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1512	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Jabba The Hut	SGS	1114720

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-TU019-L4-C-6	TU019-L4-C	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1516	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Jabba The Hut	SGS	1114720
11PH-TU019-L-50-6	TU019-L-50	0	0.5	0 - 0.5	Tundra Stepout	8/27/2011	1440	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	R2-D2	SGS	1114721
11PH-TU019-L-75-6	TU019-L-75	0	0.5	0 - 0.5	Tundra Stepout	9/1/2011	1104	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	3 day	R2-D2	SGS	1114721
11PH-TU019-R1-E-6	TU019-R1-E	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1058	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Count Dooku	SGS	1114791
11PH-TU019X-L1-G-6	TU019-L1-G	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1444	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Yoda	SGS	1114724
11PH-TU020-L2-A-6	TU020-L2-A	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1720	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Jabba The Hut	SGS	1114720
11PH-TU020-L2-B-6	TU020-L2-B	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1725	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Jabba The Hut	SGS	1114720
11PH-TU020-L2-D-6	TU020-L2-D	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1735	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Jabba The Hut	SGS	1114720
11PH-TU020-L2-F-6	TU020-L2-F	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1745	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Jabba The Hut	SGS	1114720
11PH-TU020-L3-A-6	TU020-L3-A	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1755	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Jabba The Hut	SGS	1114720
11PH-TU020-L3-C-6	TU020-L3-C	0	0.5	0 - 0.5	Tundra Characterization	9/16/2011	1805	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Jabba The Hut	SGS	1114720
11PH-TU020-L-50-6	TU020-L-50	0	0.5	0 - 0.5	Tundra Stepout	8/27/2011	1445	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	R2-D2	SGS	1114721
11PH-TU020-L-75-6	TU020-L-75	0	0.5	0 - 0.5	Tundra Stepout	9/1/2011	1058	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	R2-D2	SGS	1114721
11PH-TU020-R1-B-6	TU020-R1-B	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1106	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Count Dooku	SGS	1114791
11PH-TU020-R1-B-6	TU020-R1-B	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1106	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	7 day	Count Dooku	SGS	1114791
11PH-TU020-R1-F-6	TU020-R1-F	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1114	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Count Dooku	SGS	1114791
11PH-TU020-R-50-6	TU020-R-50	0	0.5	0 - 0.5	Tundra Stepout	8/27/2011	1305	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Padme	SGS	1114546
11PH-TU021-L2-A-6	TU021-L2-A	0	0.5	0 - 0.5	Tundra Characterization	9/27/2011	1525	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	General Grievous	SGS	1115060
11PH-TU021-L2-B-6	TU021-L2-B	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	856	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Jabba The Hut	SGS	1114720
11PH-TU021-L2-C-6	TU021-L2-C	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	858	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Jabba The Hut	SGS	1114720
11PH-TU021-L2-F-6	TU021-L2-F	0	0.5	0 - 0.5	Tundra Characterization	9/27/2011	1540	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	General Grievous	SGS	1115060
11PH-TU021-L3-C-6	TU021-L3-C	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	904	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Jabba The Hut	SGS	1114720
11PH-TU021-L3-E-6	TU021-L3-E	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	908	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Jabba The Hut	SGS	1114720
11PH-TU021-R1-A-6	TU021-R1-A	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1118	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Count Dooku	SGS	1114791
11PH-TU021-R1-A-6	TU021-R1-A	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1118	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	7 day	Count Dooku	SGS	1114791
11PH-TU021-R1-B-6	TU021-R1-B	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1120	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Count Dooku	SGS	1114791
11PH-TU021-R1-C-6	TU021-R1-C	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1122	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Count Dooku	SGS	1114791
11PH-TU021-R1-D-6	TU021-R1-D	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1124	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Count Dooku	SGS	1114791
11PH-TU021-R1-E-6	TU021-R1-E	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1126	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Count Dooku	SGS	1114791
11PH-TU021-R1-F-6	TU021-R1-F	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1128	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Count Dooku	SGS	1114791
11PH-TU021-R1-G-6	TU021-R1-G	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1130	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Count Dooku	SGS	1114791
11PH-TU021X-R1-C-6	TU021-R1-C	0	0.5	0 - 0.5	Tundra Characterization	9/23/2011	1122	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	7 day	Count Dooku	SGS	1114791

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-TU022-L1-F-6	TU022-L1-F	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	1010	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU022-L2-A-6	TU022-L2-A	0	0.5	0 - 0.5	Tundra Characterization	9/27/2011	1530	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU022-L2-G-6	TU022-L2-G	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	1024	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU022-L3-B-6	TU022-L3-B	0	0.5	0 - 0.5	Tundra Characterization	9/27/2011	1535	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU022-L3-C-6	TU022-L3-C	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	1026	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	3 day	Jabba The Hut	SGS	1114720
11PH-TU022-L3-D-6	TU022-L3-D	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	1028	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU022-L3-E-6	TU022-L3-E	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	1030	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU022-L3-F-6	TU022-L3-F	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	1032	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU022-L4-D-6	TU022-L4-D	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	1036	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU022-L4-E-6	TU022-L4-E	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	1038	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU022-L-75-6	TU022-L-75	0	0.5	0 - 0.5	Tundra Steput	9/1/2011	1048	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU022-R1-A-6	TU022-R1-A	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1550	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU022-R1-B-6	TU022-R1-B	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1552	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU022-R1-C-6	TU022-R1-C	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1554	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU022-R1-D-6	TU022-R1-D	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1556	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU022-R1-E-6	TU022-R1-E	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1558	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU022-R1-F-6	TU022-R1-F	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1600	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU022X-L3-D-6	TU022-L3-D	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	1028	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Jabba The Hut	SGS	1114720
11PH-TU022X-R1-D-6	TU022-R1-D	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1556	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	7 day	Boba Fett	SGS	1114792
11PH-TU023-L2-A-6	TU023-L2-A	0	0.5	0 - 0.5	Tundra Characterization	9/27/2011	1550	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU023-L3-B-6	TU023-L3-B	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1646	CP/CF	SW8082	SO	2	Amber	4 oz	4 ± 2°	MS/MSD	7 day	General Greivous	SGS	1115060
11PH-TU023-L3-C-6	TU023-L3-C	0	0.5	0 - 0.5	Tundra Characterization	9/27/2011	1600	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU023-L3-D-6	TU023-L3-D	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	1138	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU023-L3-E-6	TU023-L3-E	0	0.5	0 - 0.5	Tundra Characterization	9/27/2011	1605	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU023-L3-F-6	TU023-L3-F	0	0.5	0 - 0.5	Tundra Characterization	9/27/2011	1610	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU023-L3-G-6	TU023-L3-G	0	0.5	0 - 0.5	Tundra Characterization	9/27/2011	1615	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU023-R1-A-6	TU023-R1-A	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1618	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU023-R1-B-6	TU023-R1-B	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1620	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU023-R1-C-6	TU023-R1-C	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1622	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU023-R1-D-6	TU023-R1-D	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1624	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-TU023-R1-E-6	TU023-R1-E	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1626	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU023-R1-F-6	TU023-R1-F	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1628	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU023-R1-G-6	TU023-R1-G	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1630	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU023-R-50-6	TU023-R-50	0	0.5	0 - 0.5	Tundra Stepout	8/27/2011	1135	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Padme	SGS	1114546
11PH-TU024-L2-B-6	TU024-L2-B	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	1300	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU024-L3-D-6	TU024-L3-D	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	1312	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU024-L4-A-6	TU024-L4-A	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1656	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU024-R1-A-6	TU024-R1-A	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	1646	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU024-R1-B-6	TU024-R1-B	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	1648	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU024-R1-C-6	TU024-R1-C	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	1650	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU024-R1-D-6	TU024-R1-D	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	1652	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU024-R1-G-6	TU024-R1-G	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	1658	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU024-R2-D-6	TU024-R2-D	0	0.5	0 - 0.5	Tundra Characterization	9/26/2011	1700	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU024-R2-E-6	TU024-R2-E	0	0.5	0 - 0.5	Tundra Characterization	9/26/2011	1705	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU024-R2-F-6	TU024-R2-F	0	0.5	0 - 0.5	Tundra Characterization	9/26/2011	1706	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU024X-L4-A-6	TU024-L4-A	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1656	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	7 day	General Greivous	SGS	1115060
11PH-TU025-L-100-6	TU025-L-10	0	0.5	0 - 0.5	Tundra Stepout	9/20/2011	1736	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU025-L1-E-6	TU025-L1-E	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	1438	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU025-L2-C-6	TU025-L2-C	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	1448	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU025-L2-G-6	TU025-L2-G	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	1456	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU025-L3-A-6	TU025-L3-A	0	0.5	0 - 0.5	Tundra Characterization	9/28/2011	952	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU025-L3-B-6	TU025-L3-B	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	1458	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU025-L3-E-6	TU025-L3-E	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	1504	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU025-L-50-6	TU025-L-50	0	0.5	0 - 0.5	Tundra Stepout	8/27/2011	1235	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU025-L-75-6	TU025-L-75	0	0.5	0 - 0.5	Tundra Stepout	9/1/2011	1026	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Padme	SGS	1114546
11PH-TU025-R1-A-6	TU025-R1-A	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1704	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU025-R1-B-6	TU025-R1-B	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1706	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU025-R1-D-6	TU025-R1-D	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	1710	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU025-R1-E-6	TU025-R1-E	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	1712	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU025-R1-F-6	TU025-R1-F	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	1714	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU025-R1-G-6	TU025-R1-G	0	0.5	0 - 0.5	Shoulder Characterization	9/22/2011	1716	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU025-R2-C-6	TU025-R2-C	0	0.5	0 - 0.5	Tundra Characterization	9/26/2011	1708	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-TU025-R2-D-6	TU025-R2-D	0	0.5	0 - 0.5	Tundra Characterization	9/26/2011	1710	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU026-L2-C-6	TU026-L2-C	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	1715	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU026-L2-E-6	TU026-L2-E	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	1725	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU026-L3-A-6	TU026-L3-A	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	1740	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU026-L3-E-6	TU026-L3-E	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	1748	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Grievous	SGS	1115060
11PH-TU026-L3-F-6	TU026-L3-F	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	1750	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU026-L3-G-6	TU026-L3-G	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	1752	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU026-L4-B-6	TU026-L4-B	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1648	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Grievous	SGS	1115060
11PH-TU026-L4-C-6	TU026-L4-C	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	1754	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU026-L4-D-6	TU026-L4-D	0	0.5	0 - 0.5	Tundra Characterization	9/17/2011	1756	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU026-L-50-6	TU026-L-50	0	0.5	0 - 0.5	Tundra Stepout	8/27/2011	1240	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU026-L-75-6	TU026-L-75	0	0.5	0 - 0.5	Tundra Stepout	9/1/2011	1018	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU026-R1-A-6	TU026-R1-A	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1300	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU026-R1-B-6	TU026-R1-B	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1302	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU026-R1-C-6	TU026-R1-C	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1304	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU026-R1-E-6	TU026-R1-E	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1308	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU026-R1-F-6	TU026-R1-F	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1310	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU026-R2-A-6	TU026-R2-A	0	0.5	0 - 0.5	Tundra Characterization	10/3/2011	1235	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU026-R2-G-6	TU026-R2-G	0	0.5	0 - 0.5	Tundra Characterization	9/26/2011	1714	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU026-R3-C-6	TU026-R3-C	0	0.5	0 - 0.5	Tundra Characterization	10/1/2011	1613	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU026-R3-E-6	TU026-R3-E	0	0.5	0 - 0.5	Tundra Characterization	10/1/2011	1614	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU026-R-50-6	TU026-R-50	0	0.5	0 - 0.5	Tundra Stepout	8/27/2011	1120	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Padme	SGS	1114546
11PH-TU026X-R1-C-6	TU026-R1-C	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1304	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	R2-D2	SGS	1114721
11PH-TU027-L-100-6	TU027-L-10	0	0.5	0 - 0.5	Tundra Stepout	9/20/2011	1812	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU027-L2-F-6	TU027-L2-F	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	838	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU027-L3-B-6	TU027-L3-B	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	844	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU027-L3-C-6	TU027-L3-C	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	846	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU027-L3-D-6	TU027-L3-D	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	848	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU027-L3-E-6	TU027-L3-E	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	850	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU027-L4-A-6	TU027-L4-A	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	856	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Grievous	SGS	1115060
11PH-TU027-L4-D-6	TU027-L4-D	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	902	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU027-R1-B-6	TU027-R1-B	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1322	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-TU027-R1-C-6	TU027-R1-C	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1324	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	3 day	R2-D2	SGS	1114721
11PH-TU027-R1-D-6	TU027-R1-D	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1326	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU027-R1-E-6	TU027-R1-E	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1328	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU027-R1-F-6	TU027-R1-F	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1330	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU027-R1-G-6	TU027-R1-G	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1332	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU027-R2-A-6	TU027-R2-A	0	0.5	0 - 0.5	Tundra Characterization	9/26/2011	1718	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU027-R2-D-6	TU027-R2-D	0	0.5	0 - 0.5	Tundra Characterization	9/26/2011	1720	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU027-R-50-12	TU027-R-50	0.5	1	0.5 - 1	Tundra Stepout	9/1/2011	1012	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	3 day	Padme	SGS	1114546
11PH-TU028-L2-G-6	TU028-L2-G	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1010	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU028-L3-A-6	TU028-L3-A	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1012	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU028-L3-C-6	TU028-L3-C	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1016	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU028-L3-D-6	TU028-L3-D	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1018	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU028-L3-F-6	TU028-L3-F	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1022	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU028-L-75-6	TU028-L-75	0	0.5	0 - 0.5	Tundra Stepout	9/1/2011	1002	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Padme	SGS	1114546
11PH-TU028-R1-A-6	TU028-R1-A	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1348	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU028-R1-B-6	TU028-R1-B	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1350	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU028-R1-C-6	TU028-R1-C	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1352	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU028-R1-D-6	TU028-R1-D	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1354	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU028-R1-E-6	TU028-R1-E	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1356	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU028-R1-F-6	TU028-R1-F	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1358	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU028-R1-G-6	TU028-R1-G	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1400	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU028-R2-F-6	TU028-R2-F	0	0.5	0 - 0.5	Tundra Characterization	10/3/2011	1248	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU028-R-50-6	TU028-R-50	0	0.5	0 - 0.5	Tundra Characterization	8/27/2011	1110	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU028X-L3-C-6	TU028-L3-C	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1016	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	7 day	Count Dooku	SGS	1114791
11PH-TU029-L2-D-6	TU029-L2-D	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1234	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU029-L2-E-6	TU029-L2-E	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1238	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU029-L2-F-6	TU029-L2-F	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1242	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU029-L2-G-6	TU029-L2-G	0	0.5	0 - 0.5	Tundra Characterization	9/27/2011	1640	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU029-L3-A-6	TU029-L3-A	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1246	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	7 day	Count Dooku	SGS	1114791
11PH-TU029-L3-B-6	TU029-L3-B	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1250	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU029-L3-C-6	TU029-L3-C	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1254	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-TU029-L3-D-6	TU029-L3-D	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1258	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU029-L3-G-6	TU029-L3-G	0	0.5	0 - 0.5	Tundra Characterization	10/1/2011	1554	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU029-L4-D-6	TU029-L4-D	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1310	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU029-L-75-6	TU029-L-75	0	0.5	0 - 0.5	Tundra Stepout	9/1/2011	954	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU029-R1-A-6	TU029-R1-A	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1408	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU029-R1-B-6	TU029-R1-B	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1410	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU029-R1-C-6	TU029-R1-C	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1412	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU029-R1-C-6	TU029-R1-C	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1412	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Grevious	SGS	1115060
11PH-TU029-R1-D-6	TU029-R1-D	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1414	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU029-R1-E-6	TU029-R1-E	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1416	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU029-R1-F-6	TU029-R1-F	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1418	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU029-R1-G-6	TU029-R1-G	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1420	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU029-R2-C-6	TU029-R2-C	0	0.5	0 - 0.5	Tundra Characterization	10/1/2011	1557	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU029-R2-F-6	TU029-R2-F	0	0.5	0 - 0.5	Tundra Characterization	10/3/2011	1255	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU029-R3-D-6	TU029-R3-D	0	0.5	0 - 0.5	Tundra Characterization	10/1/2011	1559	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU029-R-50-6	TU029-R-50	0	0.5	0 - 0.5	Tundra Stepout	8/27/2011	1105	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU029-R-75-6	TU029-R-75	0	0.5	0 - 0.5	Tundra Stepout	9/1/2011	952	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Padme	SGS	1114546
11PH-TU029X-R1-C-6	TU029-R1-C	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1412	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	7 day	General Grevious	SGS	1115060
11PH-TU030-L1-F-6	TU030-L1-F	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1448	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU030-L1-G-6	TU030-L1-G	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1452	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU030-L2-D-6	TU030-L2-D	0	0.5	0 - 0.5	Tundra Characterization	9/27/2011	1700	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU030-L2-E-6	TU030-L2-E	0	0.5	0 - 0.5	Tundra Characterization	9/27/2011	1705	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU030-L3-B-6	TU030-L3-B	0	0.5	0 - 0.5	Tundra Characterization	9/30/2011	1152	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Grevious	SGS	1115060
11PH-TU030-L3-C-6	TU030-L3-C	0	0.5	0 - 0.5	Tundra Characterization	9/30/2011	1154	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Grevious	SGS	1115060
11PH-TU030-R1-A-6	TU030-R1-A	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1436	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU030-R1-B-6	TU030-R1-B	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1438	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU030-R1-C-6	TU030-R1-C	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1440	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU030-R1-D-6	TU030-R1-D	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1442	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU030-R1-F-6	TU030-R1-F	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1446	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU030-R1-G-6	TU030-R1-G	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1448	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	C3PO	SGS	1114790
11PH-TU030-R2-D-6	TU030-R2-D	0	0.5	0 - 0.5	Tundra Characterization	9/28/2011	1305	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Grevious	SGS	1115060

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-TU031-L1-C-6	TU031-L1-C	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1504	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU031-L2-A-6	TU031-L2-A	0	0.5	0 - 0.5	Tundra Characterization	9/27/2011	1710	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU031-L2-B-6	TU031-L2-B	0	0.5	0 - 0.5	Tundra Characterization	9/27/2011	1715	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU031-L2-E-6	TU031-L2-E	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1532	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU031-L2-F-6	TU031-L2-F	0	0.5	0 - 0.5	Tundra Characterization	9/27/2011	1720	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU031-L2-G-6	TU031-L2-G	0	0.5	0 - 0.5	Tundra Characterization	9/27/2011	1730	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU031-L-50-6	TU031-L-50	0	0.5	0 - 0.5	Tundra Stepout	8/27/2011	1615	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU031-R1-A-6	TU031-R1-A	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1504	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU031-R1-B-6	TU031-R1-B	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1506	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	3 day	R2-D2	SGS	1114721
11PH-TU031-R1-C-6	TU031-R1-C	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1508	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU031-R1-D-6	TU031-R1-D	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1510	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU031-R1-E-6	TU031-R1-E	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1512	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU031-R1-F-6	TU031-R1-F	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1514	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU031-R1-G-6	TU031-R1-G	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1516	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU031X-L2-B-6	TU031-L2-B	0	0.5	0 - 0.5	Tundra Characterization	9/27/2011	1715	CP/CF	SW8082	SO	1	Bag	10 oz	4 ± 2°	Duplicate	7 day	General Grevious	SGS	1115060
11PH-TU032-L2-G-6	TU032-L2-G	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1648	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU032-L4-D-6	TU032-L4-D	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1704	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU032-L4-D-6	TU032-L4-D	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1704	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	7 day	Count Dooku	SGS	1114791
11PH-TU032-L-50-6	TU032-L-50	0	0.5	0 - 0.5	Tundra Stepout	8/27/2011	1611	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Padme	SGS	1114546
11PH-TU032-L-75-6	TU032-L-75	0	0.5	0 - 0.5	Tundra Stepout	9/1/2011	940	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU032-R1-A-6	TU032-R1-A	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1532	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU032-R1-C-6	TU032-R1-C	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1536	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU032-R1-D-6	TU032-R1-D	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1538	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU032-R1-F-6	TU032-R1-F	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1542	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU032-R1-G-6	TU032-R1-G	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1544	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU032X-L-50-6	TU032-L-50	0	0.5	0 - 0.5	Tundra Stepout	8/27/2011	1611	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Padme	SGS	1114546
11PH-TU032X-L-75-6	TU032-L-75	0	0.5	0 - 0.5	Tundra Stepout	9/1/2011	940	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	R2-D2	SGS	1114721
11PH-TU032X-R1-G-6	TU032-R1-G	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1544	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	R2-D2	SGS	1114721
11PH-TU033-L2-G-6	TU033-L2-G	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1734	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU033-L3-A-6	TU033-L3-A	0	0.5	0 - 0.5	Tundra Characterization	9/28/2011	956	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU033-L3-B-6	TU033-L3-B	0	0.5	0 - 0.5	Tundra Characterization	9/28/2011	1000	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU033-L3-C-6	TU033-L3-C	0	0.5	0 - 0.5	Tundra Characterization	9/28/2011	1004	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-TU033-R1-A-6	TU033-R1-A	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1153	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU033-R1-B-6	TU033-R1-B	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1154	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU033-R1-D-6	TU033-R1-D	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1156	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU033-R1-E-6	TU033-R1-E	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1157	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU033-R2-B-6	TU033-R2-B	0	0.5	0 - 0.5	Tundra Characterization	10/2/2011	1433	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU033-R3-C-6	TU033-R3-C	0	0.5	0 - 0.5	Tundra Characterization	10/2/2011	1434	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU033-R3-D-6	TU033-R3-D	0	0.5	0 - 0.5	Tundra Characterization	9/30/2011	1400	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU033-R3-G-6	TU033-R3-G	0	0.5	0 - 0.5	Tundra Characterization	9/30/2011	1404	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Jango Fett	SGS	1115059
11PH-TU033-R4-E-6	TU033-R4-E	0	0.5	0 - 0.5	Tundra Characterization	10/3/2011	1300	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU034-L-100-6	TU034-L-10	0	0.5	0 - 0.5	Tundra Stepout	9/21/2011	954	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU034-L1-C-6	TU034-L1-C	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1742	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU034-L1-D-6	TU034-L1-D	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1744	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU034-L1-E-6	TU034-L1-E	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1746	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU034-L2-C-6	TU034-L2-C	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1756	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU034-L2-D-6	TU034-L2-D	0	0.5	0 - 0.5	Tundra Characterization	9/18/2011	1758	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	MS/MSD	7 day	Count Dooku	SGS	1114791
11PH-TU034-L-75-6	TU034-L-75	0	0.5	0 - 0.5	Tundra Stepout	9/1/2011	928	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Padme	SGS	1114546
11PH-TU034-R1-E-6	TU034-R1-E	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1143	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU034-R1-G-6	TU034-R1-G	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1145	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU034-R2-C-6	TU034-R2-C	0	0.5	0 - 0.5	Tundra Characterization	9/28/2011	1340	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU034-R2-F-6	TU034-R2-F	0	0.5	0 - 0.5	Tundra Characterization	9/28/2011	1350	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU034X-R2-F-6	TU034-R2-F	0	0.5	0 - 0.5	Tundra Characterization	9/28/2011	1350	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	7 day	General Greivous	SGS	1115060
11PH-TU035-L1-C-6	TU035-L1-C	0	0.5	0 - 0.5	Tundra Characterization	9/20/2011	908	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU035-L1-D-6	TU035-L1-D	0	0.5	0 - 0.5	Tundra Characterization	9/20/2011	912	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU035-L1-E-6	TU035-L1-E	0	0.5	0 - 0.5	Tundra Characterization	9/20/2011	916	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU035-L1-F-6	TU035-L1-F	0	0.5	0 - 0.5	Tundra Characterization	9/20/2011	920	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU035-L1-G-6	TU035-L1-G	0	0.5	0 - 0.5	Tundra Characterization	9/20/2011	924	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU035-R1-A-6	TU035-R1-A	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1052	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU035-R1-B-6	TU035-R1-B	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1054	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU035-R1-C-6	TU035-R1-C	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1056	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU035-R1-D-6	TU035-R1-D	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1058	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU035-R1-E-6	TU035-R1-E	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1100	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-TU035-R1-F-6	TU035-R1-F	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1102	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU035-R1-G-6	TU035-R1-G	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1104	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU035-R2-D-6	TU035-R2-D	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1108	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU035-R2-D-6	TU035-R2-D	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1108	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU035X-L1-G-6	TU035-L1-G	0	0.5	0 - 0.5	Tundra Characterization	9/20/2011	924	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Jabba The Hut	SGS	1114720
11PH-TU035X-R1-A-6	TU035-R1-A	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1052	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	R2-D2	SGS	1114721
11PH-TU036-L1-B-6	TU036-L1-B	0	0.5	0 - 0.5	Tundra Characterization	9/20/2011	932	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU036-L1-G-6	TU036-L1-G	0	0.5	0 - 0.5	Tundra Characterization	9/20/2011	952	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU036-L2-C-6	TU036-L2-C	0	0.5	0 - 0.5	Tundra Characterization	9/28/2011	1024	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU036-R1-A-6	TU036-R1-A	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1020	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU036-R1-C-6	TU036-R1-C	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1024	CP	SW8082	SO	1	Bag	10 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU036-R1-E-6	TU036-R1-E	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1028	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU036-R1-F-6	TU036-R1-F	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1030	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU036-R2-B-6	TU036-R2-B	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1036	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU036-R2-B-6	TU036-R2-B	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1036	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU036-R2-D-6	TU036-R2-D	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1040	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU036-R2-D-6	TU036-R2-D	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1040	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU037-L-100-6	TU037-L-10	0	0.5	0 - 0.5	Tundra Stepout	9/21/2011	1030	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU037-L-125-6	TU037-L-12	0	0.5	0 - 0.5	Tundra Stepout	9/27/2011	1040	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Boba Fett	SGS	1114792
11PH-TU037-L1-A-6	TU037-L1-A	0	0.5	0 - 0.5	Tundra Characterization	9/20/2011	956	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU037-L1-B-6	TU037-L1-B	0	0.5	0 - 0.5	Tundra Characterization	9/20/2011	1000	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU037-L1-C-6	TU037-L1-C	0	0.5	0 - 0.5	Tundra Characterization	9/20/2011	1004	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU037-L1-D-6	TU037-L1-D	0	0.5	0 - 0.5	Tundra Characterization	9/20/2011	1008	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU037-L1-E-6	TU037-L1-E	0	0.5	0 - 0.5	Tundra Characterization	9/20/2011	1012	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU037-L2-E-6	TU037-L2-E	0	0.5	0 - 0.5	Tundra Characterization	9/20/2011	1032	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU037-L3-F-6	TU037-L3-F	0	0.5	0 - 0.5	Tundra Characterization	9/20/2011	1056	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU037-L3-G-6	TU037-L3-G	0	0.5	0 - 0.5	Tundra Characterization	9/20/2011	1100	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU037-L4-D-6	TU037-L4-D	0	0.5	0 - 0.5	Tundra Characterization	9/28/2011	1032	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU037-L-50-6	TU037-L-50	0	0.5	0 - 0.5	Tundra Stepout	8/27/2011	1556	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Padme	SGS	1114546
11PH-TU037-L-75-12	TU037-L-75	0.5	1	0.5 - 1	Tundra Stepout	9/21/2011	1024	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU037-L-75-6	TU037-L-75	0	0.5	0 - 0.5	Tundra Stepout	9/1/2011	914	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	R2-D2	SGS	1114721
11PH-TU037-R1-C-6	TU037-R1-C	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	950	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-TU037-R1-D-6	TU037-R1-D	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	955	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU037-R1-E-6	TU037-R1-E	0	0.5	0 - 0.5	Tundra Characterization	9/22/2011	1000	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU037-R2-A-6	TU037-R2-A	0	0.5	0 - 0.5	Tundra Characterization	9/28/2011	1400	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU037-R2-B-6	TU037-R2-B	0	0.5	0 - 0.5	Tundra Characterization	9/28/2011	1405	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU037-R2-D-6	TU037-R2-D	0	0.5	0 - 0.5	Tundra Characterization	9/28/2011	1410	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU038-L-100-6	TU038-L-10	0	0.5	0 - 0.5	Tundra Stepout	9/21/2011	1042	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU038-L1-C-6	TU038-L1-C	0	0.5	0 - 0.5	Tundra Stepout	9/20/2011	1106	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	3 day	Jabba The Hut	SGS	1114720
11PH-TU038-L2-B-6	TU038-L2-B	0	0.5	0 - 0.5	Tundra Characterization	9/20/2011	1118	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU038-L2-C-6	TU038-L2-C	0	0.5	0 - 0.5	Tundra Characterization	9/20/2011	1120	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU038-L3-A-6	TU038-L3-A	0	0.5	0 - 0.5	Tundra Characterization	9/20/2011	1130	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU038-L3-D-6	TU038-L3-D	0	0.5	0 - 0.5	Tundra Characterization	9/20/2011	1136	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU038-L3-E-6	TU038-L3-E	0	0.5	0 - 0.5	Tundra Characterization	9/20/2011	1138	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU038-L4-D-6	TU038-L4-D	0	0.5	0 - 0.5	Tundra Characterization	9/20/2011	1148	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU038-L4-E-6	TU038-L4-E	0	0.5	0 - 0.5	Tundra Characterization	9/20/2011	1150	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU038X-L-100-6	TU038-L-10	0	0.5	0 - 0.5	Tundra Stepout	9/21/2011	1042	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	3 day	Jabba The Hut	SGS	1114720
11PH-TU039-L-100-6	TU039-L-10	0	0.5	0 - 0.5	Tundra Stepout	9/21/2011	1054	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°		3 day	Jabba The Hut	SGS	1114720
11PH-TU039-L2-D-6	TU039-L2-D	0	0.5	0 - 0.5	Tundra Characterization	9/28/2011	1036	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU039-L2-F-6	TU039-L2-F	0	0.5	0 - 0.5	Tundra Characterization	9/30/2011	1438	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Jango Fett	SGS	1115059
11PH-TU039-L3-C-6	TU039-L3-C	0	0.5	0 - 0.5	Tundra Characterization	10/2/2011	1352	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Jango Fett	SGS	1115059
11PH-TU039-L3-E-6	TU039-L3-E	0	0.5	0 - 0.5	Tundra Characterization	10/2/2011	1354	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Jango Fett	SGS	1115059
11PH-TU039-L4-D-6	TU039-L4-D	0	0.5	0 - 0.5	Tundra Characterization	9/28/2011	1040	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU039-L4-F-6	TU039-L4-F	0	0.5	0 - 0.5	Tundra Characterization	10/3/2011	1313	CF	SW8082	SO	1	AMBER	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU039-L4-G-6	TU039-L4-G	0	0.5	0 - 0.5	Tundra Characterization	10/3/2011	1316	CF	SW8082	SO	1	AMBER	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU039-R1-B-6	TU039-R1-B	0	0.5	0 - 0.5	Tundra Characterization	9/24/2011	1340	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU039-R1-C-6	TU039-R1-C	0	0.5	0 - 0.5	Tundra Characterization	9/24/2011	1345	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU039-R1-E-6	TU039-R1-E	0	0.5	0 - 0.5	Tundra Characterization	9/24/2011	1355	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	General Greivous	SGS	1115060
11PH-TU040-L2-A-6	TU040-L2-A	0	0.5	0 - 0.5	Tundra Characterization	9/30/2011	1510	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Jango Fett	SGS	1115059
11PH-TU040-L2-D-6	TU040-L2-D	0	0.5	0 - 0.5	Tundra Characterization	9/28/2011	1040	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Count Dooku	SGS	1114791
11PH-TU040-L2-E-6	TU040-L2-E	0	0.5	0 - 0.5	Tundra Characterization	9/30/2011	1519	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Jango Fett	SGS	1115059
11PH-TU040-L3-A-6	TU040-L3-A	0	0.5	0 - 0.5	Tundra Characterization	10/3/2011	1322	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Lando Cairissian	SGS	1115057
11PH-TU040-L3-F-6	TU040-L3-F	0	0.5	0 - 0.5	Tundra Characterization	10/2/2011	1331	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Jango Fett	SGS	1115059
11PH-TU040-L3-G-6	TU040-L3-G	0	0.5	0 - 0.5	Tundra Characterization	10/2/2011	1332	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	–	7 day	Jango Fett	SGS	1115059

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-TU040-L-75-6	TU040-L-75	0	0.5	0 - 0.5	Tundra Stepout	9/1/2011	856	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	R2-D2	SGS	1114721
11PH-TU041-L1-D-6	TU041-L1-D	0	0.5	0 - 0.5	Tundra Characterization	9/24/2011	1042	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	General Greivous	SGS	1115060
11PH-TU041-L2-A-6	TU041-L2-A	0	0.5	0 - 0.5	Tundra Characterization	9/30/2011	1526	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-TU041-L2-B-6	TU041-L2-B	0	0.5	0 - 0.5	Tundra Characterization	9/30/2011	1527	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-TU041-L2-C-6	TU041-L2-C	0	0.5	0 - 0.5	Tundra Characterization	9/30/2011	1529	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-TU041-L2-D-6	TU041-L2-D	0	0.5	0 - 0.5	Tundra Characterization	9/28/2011	1040	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Count Dooku	SGS	1114791
11PH-TU041-L3-D-6	TU041-L3-D	0	0.5	0 - 0.5	Tundra Characterization	10/3/2011	1325	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Lando Cairissian	SGS	1115057
11PH-TU041-L4-E-6	TU041-L4-E	0	0.5	0 - 0.5	Tundra Characterization	10/3/2011	1327	CF	SW8082	SO	1	AMBER	4 oz	4 ± 2°	MS/MSD	7 day	Lando Cairissian	SGS	1115057
11PH-TU041-L4-F-6	TU041-L4-F	0	0.5	0 - 0.5	Tundra Characterization	10/3/2011	1329	CF	SW8082	SO	1	AMBER	4 oz	4 ± 2°	—	7 day	Lando Cairissian	SGS	1115057
11PH-TU041-L4-G-6	TU041-L4-G	0	0.5	0 - 0.5	Tundra Characterization	10/3/2011	1331	CF	SW8082	SO	1	AMBER	4 oz	4 ± 2°	—	7 day	Lando Cairissian	SGS	1115057
11PH-TU041-L-75-6	TU041-L-75	0	0.5	0 - 0.5	Tundra Stepout	9/1/2011	852	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	R2-D2	SGS	1114721
11PH-TU042-L-100-6	TU042-L-10	0	0.5	0 - 0.5	Tundra Stepout	9/21/2011	1136	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Jabba The Hut	SGS	1114720
11PH-TU042-L1-C-6	TU042-L1-C	0	0.5	0 - 0.5	Tundra Characterization	9/28/2011	1625	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	General Greivous	SGS	1115060
11PH-TU042-L1-E-6	TU042-L1-E	0	0.5	0 - 0.5	Tundra Characterization	9/28/2011	1635	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	General Greivous	SGS	1115060
11PH-TU042-L1-F-6	TU042-L1-F	0	0.5	0 - 0.5	Tundra Characterization	9/28/2011	1640	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	General Greivous	SGS	1115060
11PH-TU042-L1-G-6	TU042-L1-G	0	0.5	0 - 0.5	Tundra Characterization	9/28/2011	1645	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	General Greivous	SGS	1115060
11PH-TU042-L2-D-6	TU042-L2-D	0	0.5	0 - 0.5	Tundra Characterization	9/28/2011	1044	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Count Dooku	SGS	1114791
11PH-TU042-L3-A-6	TU042-L3-A	0	0.5	0 - 0.5	Tundra Characterization	10/3/2011	1333	CF	SW8082	SO	1	AMBER	4 oz	4 ± 2°	—	7 day	Lando Cairissian	SGS	1115057
11PH-TU042X-L1-E-6	TU042-L1-E	0	0.5	0 - 0.5	Tundra Characterization	9/28/2011	1635	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	7 day	General Greivous	SGS	1115060
11PH-TU042X-L2-D-6	TU042-L2-D	0	0.5	0 - 0.5	Tundra Characterization	9/28/2011	1044	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	7 day	Count Dooku	SGS	1114791
11PH-TU043-L-50-6	TU043-L-50	0	0.5	0 - 0.5	Tundra Stepout	8/27/2011	1538	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	R2-D2	SGS	1114721
11PH-TU043-L-75-6	TU043-L-75	0	0.5	0 - 0.5	Tundra Stepout	9/1/2011	844	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	R2-D2	SGS	1114721
11PH-TU044-L-50-6	TU044-L-50	0	0.5	0 - 0.5	Tundra Stepout	8/27/2011	1535	CP	SW 8082 *	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Padme	SGS	1114546
11PH-TU044-L-75-6	TU044-L-75	0	0.5	0 - 0.5	Tundra Stepout	9/1/2011	840	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	R2-D2	SGS	1114721
11PH-TU083-L-50-6	TU083-L-50	0	0.5	0 - 0.5	Tundra Stepout	8/28/2011	1116	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Padme	SGS	1114546
11PH-TU085-R-50-6	TU085-R-50	0	0.5	0 - 0.5	Tundra Stepout	8/28/2011	1142	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Padme	SGS	1114546
11PH-TU086-L1-G-6	TU086-L1-G	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1439	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-TU086-R1-F-6	TU086-R1-F	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1020	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-TU086-R4-D-6	TU086-R4-D	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1540	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	General Greivous	SGS	1115060
11PH-TU086-R-50-6	TU086-R-50	0	0.5	0 - 0.5	Tundra Stepout	8/28/2011	1140	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Padme	SGS	1114546
11PH-TU086X-L1-G-6	TU086-L1-G	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1439	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	7 day	Jango Fett	SGS	1115059
11PH-TU087-L1-A-6	TU087-L1-A	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1441	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-TU087-L1-B-6	TU087-L1-B	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1443	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-TU087-L1-G-6	TU087-L1-G	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1453	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-TU087-L-50-6	TU087-L-50	0	0.5	0 - 0.5	Tundra Stepout	8/28/2011	1124	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	R2-D2	SGS	1114721

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-TU087-R1-C-6	TU087-R1-C	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1028	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Jango Fett	SGS	1115059
11PH-TU087-R1-D-6	TU087-R1-D	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1030	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Lando Cairissian	SGS	1115057
11PH-TU087-R1-F-6	TU087-R1-F	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1034	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Lando Cairissian	SGS	1115057
11PH-TU088-L1-A-6	TU088-L1-A	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1455	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Lando Cairissian	SGS	1115057
11PH-TU088-L1-C-6	TU088-L1-C	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1459	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Lando Cairissian	SGS	1115057
11PH-TU088-L1-F-6	TU088-L1-F	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1505	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Lando Cairissian	SGS	1115057
11PH-TU088-L1-G-6	TU088-L1-G	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1507	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Lando Cairissian	SGS	1115057
11PH-TU088-L2-D-6	TU088-L2-D	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1550	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	General Greivous	SGS	1115060
11PH-TU088-L4-D-6	TU088-L4-D	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1555	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	General Greivous	SGS	1115060
11PH-TU088-L-50-6	TU088-L-50	0	0.5	0 - 0.5	Tundra Stepout	8/28/2011	1126	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Padme	SGS	1114546
11PH-TU088-R1-B-6	TU088-R1-B	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1040	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	B-Wing	SGS	1115012
11PH-TU088-R-75-6	TU088-R-75	0	0.5	0 - 0.5	Tundra Stepout	9/1/2011	816	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Padme	SGS	1114546
11PH-TU088X-L1-C-6	TU088-L1-C	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1459	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	Duplicate	7 day	Lando Cairissian	SGS	1115057
11PH-TU089-L-100-6	TU089-L-10	0	0.5	0 - 0.5	Tundra Stepout	9/21/2011	1430	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Jabba The Hut	SGS	1114720
11PH-TU089-L1-B-6	TU089-L1-B	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1511	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Lando Cairissian	SGS	1115057
11PH-TU089-L1-C-6	TU089-L1-C	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1513	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Lando Cairissian	SGS	1115057
11PH-TU089-L1-D-6	TU089-L1-D	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1515	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Lando Cairissian	SGS	1115057
11PH-TU089-L2-A-6	TU089-L2-A	0	0.5	0 - 0.5	Tundra Characterization	10/3/2011	1357	CF	SW8082	SO	1	AMBER	4 oz	4 ± 2°	—	7 day	Lando Cairissian	SGS	1115057
11PH-TU089-L-50-6	TU089-L-50	0	0.5	0 - 0.5	Tundra Stepout	8/28/2011	1128	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Padme	SGS	1114546
11PH-TU089-L-75-6	TU089-L-75	0	0.5	0 - 0.5	Tundra Stepout	9/1/2011	810	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Padme	SGS	1114546
11PH-TU089-R1-B-6	TU089-R1-B	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1054	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	B-Wing	SGS	1115012
11PH-TU089-R1-D-6	TU089-R1-D	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1058	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	B-Wing	SGS	1115012
11PH-TU089-R1-E-6	TU089-R1-E	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1100	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	B-Wing	SGS	1115012
11PH-TU090-L-100-6	TU090-L-10	0	0.5	0 - 0.5	Tundra Stepout	9/21/2011	1510	CP	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	3 day	Jabba The Hut	SGS	1114720
11PH-TU090-L1-C-6	TU090-L1-C	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1527	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Lando Cairissian	SGS	1115057
11PH-TU090-L1-D-6	TU090-L1-D	0	0.5	0 - 0.5	Tundra Characterization	9/29/2011	1529	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Lando Cairissian	SGS	1115057
11PH-TU090-L-200-6	TU090-L-20	0	0.5	0 - 0.5	Tundra Characterization	9/30/2011	846	CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Lando Cairissian	SGS	1115057
11PH-TU090-L2-B-6	TU090-L2-B	0	0.5	0 - 0.5	Tundra Characterization	10/3/2011	1405	CF	SW8082	SO	1	AMBER	4 oz	4 ± 2°	—	7 day	Lando Cairissian	SGS	1115057
11PH-TU090-L2-E-6	TU090-L2-E	0	0.5	0 - 0.5	Tundra Characterization	10/1/2011	1422	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Lando Cairissian	SGS	1115057
11PH-TU090-L3-D-6	TU090-L3-D	0	0.5	0 - 0.5	Tundra Characterization	10/1/2011	1424	CP/CF	SW8082	SO	1	Amber	4 oz	4 ± 2°	—	7 day	Lando Cairissian	SGS	1115057
11PH-TU090-R-75-12	TU090-R-75	0.5	1	0.5 - 1	Tundra Stepout	9/21/2011	1440	CP	SW8082	SO	1	Bag	10 oz	4 ± 2°	—	3 day	Jabba The Hut	SGS	1114720
11PH-WP-CHEV-008	HEVY FLATBE	—	—	—	WIPE	10/31/2011	1535	CDF	SW 8082, PCB	WIPE	1	Amber	4 oz	Hexane, 4 ± 2°	—	3 day	Winter	SGS	1115510
11PH-WP-F150-010	RED F-150	—	—	—	WIPE	10/31/2011	1610	CDF	SW 8082, PCB	WIPE	1	Amber	4 oz	Hexane, 4 ± 2°	—	3 day	Winter	SGS	1115510
11PH-WP-F250-009	BLACK F-250	—	—	—	WIPE	10/31/2011	1545	CDF	SW 8082, PCB	WIPE	1	Amber	4 oz	Hexane, 4 ± 2°	—	3 day	Winter	SGS	1115510
11PH-WP-KIA-007	KIA	—	—	—	WIPE	10/27/2011	1425	CDF	SW 8082, PCB	WIPE	1	Amber	4 oz	Hexane, 4 ± 2°	—	3 day	Winter	SGS	1115510

**2011 Port Heiden Site Road
Analytical Sample Summary**

Sample ID	Location ID	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Collection Date	Collection Time	Sampler	Analyses Requested	Matrix	QTY	Container Type	Volume	Preservative	QC	TAT	Cooler ID	Lab	Lab SDG
11PH-WP-LAB-005	WP-LAB-005	—	—	—	WIPE	10/27/2011	1055	JO	SW 8082, PCB	WIPE	1	AMBER	4 oz	Hexane, 4 ± 2"	—	3 day	The Arkansian	SGS	1115338
11PH-WP-PMP-004	WP-PMP-004	—	—	—	WIPE	10/27/2011	1050	JO	SW 8082, PCB	WIPE	1	AMBER	4 oz	Hexane, 4 ± 2"	—	3 day	The Arkansian	SGS	1115338
11PH-WP-RFG-006	WP-RFG-006	—	—	—	WIPE	10/27/2011	1100	JO	SW 8082, PCB	WIPE	1	AMBER	4 oz	Hexane, 4 ± 2"	—	3 day	The Arkansian	SGS	1115338
11PH-WP-TWC-001	WP-TWC-001	0	0.5	0 - 0.5	WIPE	9/14/2011	800	CP	SW 8260	WIPE	1	AMBER	4 oz	MEOH	—	3 day	Padme	SGS	1114546
11PH-WP-TWC-002	WP-TWC-002	—	—	—	WIPE	10/8/2011	912	JN	SW 8260	WIPE	1	AMBER	4 oz	Hexane, 4 ± 2"	—	3 day	Geedo	SGS	1114984
11PH-WP-TWC-003	WP-TWC-003	—	—	—	WIPE	10/8/2011	915	JN	SW 8260	WIPE	1	AMBER	4 oz	Hexane, 4 ± 2"	—	3 day	Geedo	SGS	1114984
11PH-WP-TWC-004	WP-TWC-004	—	—	—	WIPE	10/14/2011	937	JN	SW8082	Wipe	1	Amber	4 oz	Hexane, 4 ± 2"	—	3 day	Lightsaber	SGS	1115110

Notes:

SGS - Analytical services were provided by SGS Environmental Services, Inc. of Anchorage, Alaska.

2011 Port Heiden Site Road Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SP16R-0-0-C	SP16R-0-C	8/17/2011	1509	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP16R-0-0-L	SP16R-0-L	8/17/2011	1504	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP16R-0-0-R	SP16R-0-R	8/17/2011	1514	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP16R-0-12-C	SP16R-0-C	8/17/2011	1507	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP16R-0-12-L	SP16R-0-L	8/17/2011	1502	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP16R-0-12-R	SP16R-0-R	8/17/2011	1512	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP16R-0-18-C	SP16R-0-C	8/17/2011	1506	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP16R-0-18-L	SP16R-0-L	8/17/2011	1501	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP16R-0-18-R	SP16R-0-R	8/17/2011	1511	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP16R-0-24-C	SP16R-0-C	8/17/2011	1505	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP16R-0-24-L	SP16R-0-L	8/17/2011	1500	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP16R-0-24-R	SP16R-0-R	8/17/2011	1510	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP16R-0-6-C	SP16R-0-C	8/17/2011	1508	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP16R-0-6-L	SP16R-0-L	8/17/2011	1503	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP16R-0-6-R	SP16R-0-R	8/17/2011	1513	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP16R-1-0-L	SP16R-1-L	8/17/2011	1518	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP16R-1-0-R	SP16R-1-R	8/17/2011	1528	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP16R-1-12-L	SP16R-1-L	8/17/2011	1516	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP16R-1-12-R	SP16R-1-R	8/17/2011	1526	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP16R-1-18-L	SP16R-1-L	8/17/2011	1515	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP16R-1-18-R	SP16R-1-R	8/17/2011	1525	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP16R-1-6-L	SP16R-1-L	8/17/2011	1517	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP16R-1-6-R	SP16R-1-R	8/17/2011	1527	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP16R-2-0-L	SP16R-2-L	8/17/2011	1521	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP16R-2-0-R	SP16R-2-R	8/17/2011	1531	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP16R-2-12-L	SP16R-2-L	8/17/2011	1519	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP16R-2-12-R	SP16R-2-R	8/17/2011	1529	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP16R-2-6-L	SP16R-2-L	8/17/2011	1520	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP16R-2-6-R	SP16R-2-R	8/17/2011	1530	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP16R-3-0-L	SP16R-3-L	8/17/2011	1523	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP16R-3-0-R	SP16R-3-R	8/17/2011	1533	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP16R-3-6-L	SP16R-3-L	8/17/2011	1522	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP16R-3-6-R	SP16R-3-R	8/17/2011	1532	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP16R-4-0-L	SP16R-4-L	8/17/2011	1524	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP16R-4-0-R	SP16R-4-R	8/17/2011	1534	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP27R-0-0-C	SP27R-0-C	8/17/2011	1411	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP27R-0-0-L	SP27R-0-L	8/17/2011	1405	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP27R-0-0-R	SP27R-0-R	8/17/2011	1417	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP27R-0-12-C	SP27R-0-C	8/17/2011	1409	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP27R-0-12-L	SP27R-0-L	8/17/2011	1403	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP27R-0-12-R	SP27R-0-R	8/17/2011	1415	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP27R-0-18-C	SP27R-0-C	8/17/2011	1408	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP27R-0-18-L	SP27R-0-L	8/17/2011	1402	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP27R-0-18-R	SP27R-0-R	8/17/2011	1414	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP27R-0-24-C	SP27R-0-C	8/17/2011	1407	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP27R-0-24-L	SP27R-0-L	8/17/2011	1401	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP27R-0-24-R	SP27R-0-R	8/17/2011	1413	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP27R-0-30-C	SP27R-0-C	8/17/2011	1416	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2.5	2.625	2.5	Shoulder characterization	n/a	n/a
11PH-SP27R-0-30-L	SP27R-0-L	8/17/2011	1400	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2.5	2.625	2.5	Shoulder characterization	n/a	n/a
11PH-SP27R-0-30-R	SP27R-0-R	8/17/2011	1412	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2.5	2.625	2.5	Shoulder characterization	n/a	n/a
11PH-SP27R-0-6-C	SP27R-0-C	8/17/2011	1410	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP27R-0-6-L	SP27R-0-L	8/17/2011	1404	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP27R-0-6-R	SP27R-0-R	8/17/2011	1416	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP27R-1-0-L	SP27R-1-L	8/17/2011	1422	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP27R-1-0-R	SP27R-1-R	8/17/2011	1437	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP27R-1-12-L	SP27R-1-L	8/17/2011	1420	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP27R-1-12-R	SP27R-1-R	8/17/2011	1435	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP27R-1-18-L	SP27R-1-L	8/17/2011	1419	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP27R-1-18-R	SP27R-1-R	8/17/2011	1434	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP27R-1-24-L	SP27R-1-L	8/17/2011	1418	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP27R-1-24-R	SP27R-1-R	8/17/2011	1433	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a

Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SP27R-1-6-L	SP27R-1-L	8/17/2011	1421	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP27R-1-6-R	SP27R-1-R	8/17/2011	1436	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP27R-2-0-L	SP27R-2-L	8/17/2011	1426	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP27R-2-0-R	SP27R-2-R	8/17/2011	1441	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP27R-2-12-L	SP27R-2-L	8/17/2011	1424	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP27R-2-12-R	SP27R-2-R	8/17/2011	1439	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP27R-2-18-L	SP27R-2-L	8/17/2011	1423	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP27R-2-18-R	SP27R-2-R	8/17/2011	1438	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP27R-2-6-L	SP27R-2-L	8/17/2011	1425	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP27R-2-6-R	SP27R-2-R	8/17/2011	1440	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP27R-3-0-L	SP27R-3-L	8/17/2011	1429	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP27R-3-0-R	SP27R-3-R	8/17/2011	1444	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP27R-3-12-L	SP27R-3-L	8/17/2011	1427	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP27R-3-12-R	SP27R-3-R	8/17/2011	1442	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP27R-3-6-L	SP27R-3-L	8/17/2011	1428	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP27R-3-6-R	SP27R-3-R	8/17/2011	1443	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP27R-4-0-L	SP27R-4-L	8/17/2011	1431	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP27R-4-0-R	SP27R-4-R	8/17/2011	1446	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP27R-4-6-L	SP27R-4-L	8/17/2011	1430	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP27R-4-6-R	SP27R-4-R	8/17/2011	1445	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP27R-5-0-L	SP27R-5-L	8/17/2011	1432	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP27R-5-0-R	SP27R-5-R	8/17/2011	1447	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP35L-0-0-C	SP35L-0-C	8/17/2011	1313	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP35L-0-0-L	SP35L-0-L	8/17/2011	1306	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP35L-0-0-R	SP35L-0-R	8/17/2011	1320	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP35L-0-12-C	SP35L-0-C	8/17/2011	1311	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP35L-0-12-L	SP35L-0-L	8/17/2011	1304	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP35L-0-12-R	SP35L-0-R	8/17/2011	1318	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP35L-0-18-C	SP35L-0-C	8/17/2011	1310	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP35L-0-18-L	SP35L-0-L	8/17/2011	1303	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP35L-0-18-R	SP35L-0-R	8/17/2011	1317	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP35L-0-24-C	SP35L-0-C	8/17/2011	1309	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP35L-0-24-L	SP35L-0-L	8/17/2011	1302	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP35L-0-24-R	SP35L-0-R	8/17/2011	1316	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP35L-0-30-C	SP35L-0-C	8/17/2011	1308	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2.5	2.625	2.5	Shoulder characterization	n/a	n/a
11PH-SP35L-0-30-L	SP35L-0-L	8/17/2011	1301	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2.5	2.625	2.5	Shoulder characterization	n/a	n/a
11PH-SP35L-0-30-R	SP35L-0-R	8/17/2011	1315	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2.5	2.625	2.5	Shoulder characterization	n/a	n/a
11PH-SP35L-0-36-C	SP35L-0-C	8/17/2011	1307	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	3	3.125	3	Shoulder characterization	n/a	n/a
11PH-SP35L-0-36-L	SP35L-0-L	8/17/2011	1300	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	3	3.125	3	Shoulder characterization	n/a	n/a
11PH-SP35L-0-36-R	SP35L-0-R	8/17/2011	1314	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	3	3.125	3	Shoulder characterization	n/a	n/a
11PH-SP35L-0-6-C	SP35L-0-C	8/17/2011	1312	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP35L-0-6-L	SP35L-0-L	8/17/2011	1305	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP35L-0-6-R	SP35L-0-R	8/17/2011	1319	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP35L-1-0-L	SP35L-1-L	8/17/2011	1326	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP35L-1-0-R	SP35L-1-R	8/17/2011	1326	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP35L-1-12-L	SP35L-1-L	8/17/2011	1324	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP35L-1-12-R	SP35L-1-R	8/17/2011	1324	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP35L-1-18-L	SP35L-1-L	8/17/2011	1323	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP35L-1-18-R	SP35L-1-R	8/17/2011	1323	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP35L-1-24-L	SP35L-1-L	8/17/2011	1322	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP35L-1-24-R	SP35L-1-R	8/17/2011	1322	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP35L-1-30-L	SP35L-1-L	8/17/2011	1321	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2.5	2.625	2.5	Shoulder characterization	n/a	n/a
11PH-SP35L-1-30-R	SP35L-1-R	8/17/2011	1321	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2.5	2.625	2.5	Shoulder characterization	n/a	n/a
11PH-SP35L-1-6-L	SP35L-1-L	8/17/2011	1325	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP35L-1-6-R	SP35L-1-R	8/17/2011	1325	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP35L-2-0-L	SP35L-2-L	8/17/2011	1332	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP35L-2-0-R	SP35L-2-R	8/17/2011	1332	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP35L-2-12-L	SP35L-2-L	8/17/2011	1330	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP35L-2-12-R	SP35L-2-R	8/17/2011	1330	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP35L-2-18-L	SP35L-2-L	8/17/2011	1329	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP35L-2-18-R	SP35L-2-R	8/17/2011	1329	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a

2011 Port Heiden Site Road Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SP35L-2-24-L	SP35L-2-L	8/17/2011	1328	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP35L-2-24-R	SP35L-2-R	8/17/2011	1328	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP35L-2-30-L	SP35L-2-L	8/17/2011	1327	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2.5	2.625	2.5	Shoulder characterization	n/a	n/a
11PH-SP35L-2-30-R	SP35L-2-R	8/17/2011	1327	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2.5	2.625	2.5	Shoulder characterization	n/a	n/a
11PH-SP35L-2-6-L	SP35L-2-L	8/17/2011	1331	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP35L-2-6-R	SP35L-2-R	8/17/2011	1331	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP35L-3-0-L	SP35L-3-L	8/17/2011	1338	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP35L-3-0-R	SP35L-3-R	8/17/2011	1338	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP35L-3-12-L	SP35L-3-L	8/17/2011	1336	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP35L-3-12-R	SP35L-3-R	8/17/2011	1336	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP35L-3-18-L	SP35L-3-L	8/17/2011	1335	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP35L-3-18-R	SP35L-3-R	8/17/2011	1335	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP35L-3-24-L	SP35L-3-L	8/17/2011	1334	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP35L-3-24-R	SP35L-3-R	8/17/2011	1334	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP35L-3-30-L	SP35L-3-L	8/17/2011	1333	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2.5	2.625	2.5	Shoulder characterization	n/a	n/a
11PH-SP35L-3-30-R	SP35L-3-R	8/17/2011	1333	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2.5	2.625	2.5	Shoulder characterization	n/a	n/a
11PH-SP35L-3-6-L	SP35L-3-L	8/17/2011	1337	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP35L-3-6-R	SP35L-3-R	8/17/2011	1337	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP35L-4-0-L	SP35L-4-L	8/17/2011	1343	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP35L-4-0-R	SP35L-4-R	8/17/2011	1343	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP35L-4-12-L	SP35L-4-L	8/17/2011	1341	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP35L-4-12-R	SP35L-4-R	8/17/2011	1341	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP35L-4-18-L	SP35L-4-L	8/17/2011	1340	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP35L-4-18-R	SP35L-4-R	8/17/2011	1340	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP35L-4-24-L	SP35L-4-L	8/17/2011	1339	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP35L-4-24-R	SP35L-4-R	8/17/2011	1339	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP35L-4-6-L	SP35L-4-L	8/17/2011	1342	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP35L-4-6-R	SP35L-4-R	8/17/2011	1342	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP35L-5-0-L	SP35L-5-L	8/17/2011	1347	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP35L-5-0-R	SP35L-5-R	8/17/2011	1347	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP35L-5-12-L	SP35L-5-L	8/17/2011	1345	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP35L-5-12-R	SP35L-5-R	8/17/2011	1345	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP35L-5-18-L	SP35L-5-L	8/17/2011	1344	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP35L-5-18-R	SP35L-5-R	8/17/2011	1344	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP35L-5-6-L	SP35L-5-L	8/17/2011	1346	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP35L-5-6-R	SP35L-5-R	8/17/2011	1346	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP35L-6-0-L	SP35L-6-L	8/17/2011	1350	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP35L-6-0-R	SP35L-6-R	8/17/2011	1350	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP35L-6-12-L	SP35L-6-L	8/17/2011	1348	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP35L-6-12-R	SP35L-6-R	8/17/2011	1348	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP35L-6-6-L	SP35L-6-L	8/17/2011	1349	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP35L-6-6-R	SP35L-6-R	8/17/2011	1349	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP35L-7-0-L	SP35L-7-L	8/17/2011	1353	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP35L-7-0-R	SP35L-7-R	8/17/2011	1353	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP35L-7-12-L	SP35L-7-L	8/17/2011	1351	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP35L-7-12-R	SP35L-7-R	8/17/2011	1351	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP35L-7-6-L	SP35L-7-L	8/17/2011	1352	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP35L-7-6-R	SP35L-7-R	8/17/2011	1352	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP35L-8-0-L	SP35L-8-L	8/17/2011	1355	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP35L-8-0-R	SP35L-8-R	8/17/2011	1355	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP35L-8-6-L	SP35L-8-L	8/17/2011	1354	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP35L-8-6-R	SP35L-8-R	8/17/2011	1354	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP35L-9-0-L	SP35L-9-L	8/17/2011	1356	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP35L-9-0-R	SP35L-9-R	8/17/2011	1356	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP61R-0-0-C	SP61R-0-C	8/17/2011	1143	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP61R-0-0-L	SP61R-0-L	8/17/2011	1136	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP61R-0-0-R	SP61R-0-R	8/17/2011	1150	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP61R-0-12-C	SP61R-0-C	8/17/2011	1141	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP61R-0-12-L	SP61R-0-L	8/17/2011	1134	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP61R-0-12-R	SP61R-0-R	8/17/2011	1148	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP61R-0-18-C	SP61R-0-C	8/17/2011	1140	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a

Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SP61R-0-18-L	SP61R-0-L	8/17/2011	1133	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP61R-0-18-R	SP61R-0-R	8/17/2011	1147	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP61R-0-24-C	SP61R-0-C	8/17/2011	1139	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP61R-0-24-C	SP61R-0-C	8/17/2011	1146	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP61R-0-24-L	SP61R-0-L	8/17/2011	1132	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP61R-0-30-C	SP61R-0-C	8/17/2011	1138	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2.5	2.625	2.5	Shoulder characterization	n/a	n/a
11PH-SP61R-0-30-L	SP61R-0-L	8/17/2011	1131	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2.5	2.625	2.5	Shoulder characterization	n/a	n/a
11PH-SP61R-0-30-R	SP61R-0-R	8/17/2011	1145	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2.5	2.625	2.5	Shoulder characterization	n/a	n/a
11PH-SP61R-0-36-C	SP61R-0-C	8/17/2011	1137	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	3	3.125	3	Shoulder characterization	n/a	n/a
11PH-SP61R-0-36-L	SP61R-0-L	8/17/2011	1130	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	3	3.125	3	Shoulder characterization	n/a	n/a
11PH-SP61R-0-36-R	SP61R-0-R	8/17/2011	1144	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	3	3.125	3	Shoulder characterization	n/a	n/a
11PH-SP61R-0-6-C	SP61R-0-C	8/17/2011	1142	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP61R-0-6-L	SP61R-0-L	8/17/2011	1135	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP61R-0-6-R	SP61R-0-R	8/17/2011	1149	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP61R-1-0-L	SP61R-1-L	8/17/2011	1156	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP61R-1-0-R	SP61R-1-R	8/17/2011	1221	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP61R-1-12-L	SP61R-1-L	8/17/2011	1154	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP61R-1-12-R	SP61R-1-R	8/17/2011	1219	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP61R-1-18-L	SP61R-1-L	8/17/2011	1153	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP61R-1-18-R	SP61R-1-R	8/17/2011	1218	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP61R-1-24-L	SP61R-1-L	8/17/2011	1152	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP61R-1-24-R	SP61R-1-R	8/17/2011	1217	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP61R-1-30-L	SP61R-1-L	8/17/2011	1151	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2.5	2.625	2.5	Shoulder characterization	n/a	n/a
11PH-SP61R-1-30-R	SP61R-1-R	8/17/2011	1216	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2.5	2.625	2.5	Shoulder characterization	n/a	n/a
11PH-SP61R-1-6-L	SP61R-1-L	8/17/2011	1155	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP61R-1-6-R	SP61R-1-R	8/17/2011	1220	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP61R-2-0-L	SP61R-2-L	8/17/2011	1201	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP61R-2-0-R	SP61R-2-R	8/17/2011	1226	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP61R-2-12-L	SP61R-2-L	8/17/2011	1159	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP61R-2-12-R	SP61R-2-R	8/17/2011	1224	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP61R-2-18-L	SP61R-2-L	8/17/2011	1158	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP61R-2-18-R	SP61R-2-R	8/17/2011	1223	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP61R-2-24-L	SP61R-2-L	8/17/2011	1157	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP61R-2-24-R	SP61R-2-R	8/17/2011	1222	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP61R-2-6-L	SP61R-2-L	8/17/2011	1200	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP61R-2-6-R	SP61R-2-R	8/17/2011	1225	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP61R-3-0-L	SP61R-3-L	8/17/2011	1205	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP61R-3-0-R	SP61R-3-R	8/17/2011	1230	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP61R-3-12-L	SP61R-3-L	8/17/2011	1203	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP61R-3-12-R	SP61R-3-R	8/17/2011	1228	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP61R-3-18-L	SP61R-3-L	8/17/2011	1202	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP61R-3-18-R	SP61R-3-R	8/17/2011	1227	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP61R-3-6-L	SP61R-3-L	8/17/2011	1204	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP61R-3-6-R	SP61R-3-R	8/17/2011	1229	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP61R-4-0-L	SP61R-4-L	8/17/2011	1209	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP61R-4-0-R	SP61R-4-R	8/17/2011	1234	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP61R-4-12-L	SP61R-4-L	8/17/2011	1207	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP61R-4-12-R	SP61R-4-R	8/17/2011	1232	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP61R-4-18-L	SP61R-4-L	8/17/2011	1206	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP61R-4-18-R	SP61R-4-R	8/17/2011	1231	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP61R-4-6-L	SP61R-4-L	8/17/2011	1208	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP61R-4-6-R	SP61R-4-R	8/17/2011	1233	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP61R-5-0-L	SP61R-5-L	8/17/2011	1212	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP61R-5-0-R	SP61R-5-R	8/17/2011	1237	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP61R-5-12-L	SP61R-5-L	8/17/2011	1210	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP61R-5-12-R	SP61R-5-R	8/17/2011	1235	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP61R-5-6-L	SP61R-5-L	8/17/2011	1211	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP61R-5-6-R	SP61R-5-R	8/17/2011	1236	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP61R-6-0-L	SP61R-6-L	8/17/2011	1214	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP61R-6-0-R	SP61R-6-R	8/17/2011	1239	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP61R-6-6-L	SP61R-6-L	8/17/2011	1213	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a

Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SP61R-6-6-R	SP61R-6-R	8/17/2011	1238	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP61R-7-0-L	SP61R-7-L	8/17/2011	1215	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP61R-7-0-R	SP61R-7-R	8/17/2011	1240	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP83L-0-0-C	SP83L-0-C	8/17/2011	1017	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP83L-0-0-L	SP83L-0-L	8/17/2011	1008	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP83L-0-0-R	SP83L-0-R	8/17/2011	1026	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP83L-0-12-C	SP83L-0-C	8/17/2011	1015	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP83L-0-12-L	SP83L-0-L	8/17/2011	1006	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP83L-0-12-R	SP83L-0-R	8/17/2011	1024	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP83L-0-18-C	SP83L-0-C	8/17/2011	1014	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP83L-0-18-L	SP83L-0-L	8/17/2011	1005	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP83L-0-18-R	SP83L-0-R	8/17/2011	1023	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP83L-0-24-C	SP83L-0-C	8/17/2011	1013	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP83L-0-24-L	SP83L-0-L	8/17/2011	1004	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP83L-0-24-R	SP83L-0-R	8/17/2011	1022	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP83L-0-30-C	SP83L-0-C	8/17/2011	1012	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2.5	2.625	2.5	Shoulder characterization	n/a	n/a
11PH-SP83L-0-30-L	SP83L-0-L	8/17/2011	1003	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2.5	2.625	2.5	Shoulder characterization	n/a	n/a
11PH-SP83L-0-30-R	SP83L-0-R	8/17/2011	1021	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2.5	2.625	2.5	Shoulder characterization	n/a	n/a
11PH-SP83L-0-36-C	SP83L-0-C	8/17/2011	1011	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	3	3.125	3	Shoulder characterization	n/a	n/a
11PH-SP83L-0-36-L	SP83L-0-L	8/17/2011	1002	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	3	3.125	3	Shoulder characterization	n/a	n/a
11PH-SP83L-0-36-R	SP83L-0-R	8/17/2011	1020	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	3	3.125	3	Shoulder characterization	n/a	n/a
11PH-SP83L-0-42-C	SP83L-0-C	8/17/2011	1010	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	3.5	3.625	3.5	Shoulder characterization	n/a	n/a
11PH-SP83L-0-42-L	SP83L-0-L	8/17/2011	1001	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	3.5	3.625	3.5	Shoulder characterization	n/a	n/a
11PH-SP83L-0-42-R	SP83L-0-R	8/17/2011	1019	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	3.5	3.625	3.5	Shoulder characterization	n/a	n/a
11PH-SP83L-0-48-C	SP83L-0-C	8/17/2011	1009	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	4	4.125	4	Shoulder characterization	n/a	n/a
11PH-SP83L-0-48-L	SP83L-0-L	8/17/2011	1000	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	4	4.125	4	Shoulder characterization	n/a	n/a
11PH-SP83L-0-48-R	SP83L-0-R	8/17/2011	1018	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	4	4.125	4	Shoulder characterization	n/a	n/a
11PH-SP83L-0-6-C	SP83L-0-C	8/17/2011	1016	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP83L-0-6-L	SP83L-0-L	8/17/2011	1007	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP83L-0-6-R	SP83L-0-R	8/17/2011	1025	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP83L-1-0-L	SP83L-1-L	8/17/2011	1033	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP83L-1-0-R	SP83L-1-R	8/17/2011	1100	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP83L-1-12-L	SP83L-1-L	8/17/2011	1031	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP83L-1-12-R	SP83L-1-R	8/17/2011	1058	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP83L-1-18-L	SP83L-1-L	8/17/2011	1030	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP83L-1-18-R	SP83L-1-R	8/17/2011	1057	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP83L-1-24-L	SP83L-1-L	8/17/2011	1029	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP83L-1-24-R	SP83L-1-R	8/17/2011	1056	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP83L-1-30-L	SP83L-1-L	8/17/2011	1028	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2.5	2.625	2.5	Shoulder characterization	n/a	n/a
11PH-SP83L-1-30-R	SP83L-1-R	8/17/2011	1055	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2.5	2.625	2.5	Shoulder characterization	n/a	n/a
11PH-SP83L-1-36-L	SP83L-1-L	8/17/2011	1027	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	3	3.125	3	Shoulder characterization	n/a	n/a
11PH-SP83L-1-36-R	SP83L-1-R	8/17/2011	1054	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	3	3.125	3	Shoulder characterization	n/a	n/a
11PH-SP83L-1-6-L	SP83L-1-L	8/17/2011	1032	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP83L-1-6-R	SP83L-1-R	8/17/2011	1059	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP83L-2-0-L	SP83L-2-L	8/17/2011	1039	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP83L-2-0-R	SP83L-2-R	8/17/2011	1106	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP83L-2-12-L	SP83L-2-L	8/17/2011	1037	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP83L-2-12-R	SP83L-2-R	8/17/2011	1104	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP83L-2-18-L	SP83L-2-L	8/17/2011	1036	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP83L-2-18-R	SP83L-2-R	8/17/2011	1103	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP83L-2-24-L	SP83L-2-L	8/17/2011	1035	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP83L-2-24-R	SP83L-2-R	8/17/2011	1102	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP83L-2-30-L	SP83L-2-L	8/17/2011	1034	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2.5	2.625	2.5	Shoulder characterization	n/a	n/a
11PH-SP83L-2-30-R	SP83L-2-R	8/17/2011	1101	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	2.5	2.625	2.5	Shoulder characterization	n/a	n/a
11PH-SP83L-2-6-L	SP83L-2-L	8/17/2011	1038	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP83L-2-6-R	SP83L-2-R	8/17/2011	1105	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP83L-3-0-L	SP83L-3-L	8/17/2011	1044	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP83L-3-0-R	SP83L-3-R	8/17/2011	1111	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP83L-3-12-L	SP83L-3-L	8/17/2011	1042	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP83L-3-12-R	SP83L-3-R	8/17/2011	1109	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP83L-3-18-L	SP83L-3-L	8/17/2011	1041	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a

2011 Port Heiden Site Road Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SP83L-3-18-R	SP83L-3-R	8/17/2011	1108	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP83L-3-24-L	SP83L-3-L	8/17/2011	1040	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP83L-3-24-R	SP83L-3-R	8/17/2011	1107	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	2	2.125	2	Shoulder characterization	n/a	n/a
11PH-SP83L-3-6-L	SP83L-3-L	8/17/2011	1043	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP83L-3-6-R	SP83L-3-R	8/17/2011	1110	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP83L-4-0-L	SP83L-4-L	8/17/2011	1048	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP83L-4-0-R	SP83L-4-R	8/17/2011	1115	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP83L-4-12-L	SP83L-4-L	8/17/2011	1046	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP83L-4-12-R	SP83L-4-R	8/17/2011	1113	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP83L-4-18-L	SP83L-4-L	8/17/2011	1045	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP83L-4-18-R	SP83L-4-R	8/17/2011	1112	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	1.5	1.625	1.5	Shoulder characterization	n/a	n/a
11PH-SP83L-4-6-L	SP83L-4-L	8/17/2011	1047	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP83L-4-6-R	SP83L-4-R	8/17/2011	1114	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP83L-5-0-L	SP83L-5-L	8/17/2011	1051	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP83L-5-0-R	SP83L-5-R	8/17/2011	1118	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP83L-5-12-L	SP83L-5-L	8/17/2011	1049	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP83L-5-12-R	SP83L-5-R	8/17/2011	1116	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	1	1.125	1	Shoulder characterization	n/a	n/a
11PH-SP83L-5-6-L	SP83L-5-L	8/17/2011	1050	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP83L-5-6-R	SP83L-5-R	8/17/2011	1117	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP83L-6-0-L	SP83L-6-L	8/17/2011	1053	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP83L-6-0-R	SP83L-6-R	8/17/2011	1120	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.125	0	Shoulder characterization	n/a	n/a
11PH-SP83L-6-6-L	SP83L-6-L	8/17/2011	1052	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SP83L-6-6-R	SP83L-6-R	8/17/2011	1119	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	0.625	0.5	Shoulder characterization	n/a	n/a
11PH-SS001-A5-6	SS001-A5	9/30/2011	1838	CF	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	n/a	n/a	
11PH-SS001-B5-6	SS001-B5	9/30/2011	1839	CF	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	n/a	n/a	
11PH-SS001-C5-6	SS001-C5	9/30/2011	1840	CF	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	n/a	n/a	
11PH-SS001-D5-6	SS001-D5	9/30/2011	1841	CF	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	n/a	n/a	
11PH-SS001-E5-6	SS001-E5	9/30/2011	1842	CF	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	n/a	n/a	
11PH-SS001-F5-6	SS001-F5	9/30/2011	1843	CF	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	n/a	n/a	
11PH-SS001-G5-6	SS001-G5	9/30/2011	1844	CF	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	n/a	n/a	
11PH-SS001-L-12	SS001-L	8/20/2011	1330	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS001-L-6	SS001-L	8/20/2011	1300	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS001-R-12	SS001-R	8/20/2011	1350	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS001-R-6	SS001-R	8/20/2011	1310	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS002-L-12	SS002-L	8/20/2011	1430	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS002-L-6	SS002-L	8/20/2011	1400	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS002-R-12	SS002-R	8/20/2011	1420	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS002-R-6	SS002-R	8/20/2011	1410	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS003-L-12	SS003-L	8/20/2011	1510	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS003-L-6	SS003-L	8/20/2011	1450	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS003-R-12	SS003-R	8/20/2011	1500	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS003-R-6	SS003-R	8/20/2011	1445	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS004-L-12	SS004-L	8/20/2011	1545	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS004-L-6	SS004-L	8/20/2011	1535	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS004-R-12	SS004-R	8/20/2011	1540	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS004-R-6	SS004-R	8/20/2011	1530	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS005-L-12	SS005-L	8/20/2011	1630	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS005-L-6	SS005-L	8/20/2011	1610	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS005-R-12	SS005-R	8/20/2011	1625	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS005-R-6	SS005-R	8/20/2011	1600	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS006-L-12	SS006-L	8/20/2011	1645	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS006-L-6	SS006-L	8/20/2011	1635	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS006-R-12	SS006-R	8/20/2011	1650	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS006-R-6	SS006-R	8/20/2011	1640	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS007-L-12	SS007-L	8/20/2011	1715	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS007-L-6	SS007-L	8/20/2011	1700	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS007-R-12	SS007-R	8/20/2011	1725	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS007-R-6	SS007-R	8/20/2011	1705	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS008-L-12	SS008-L	8/20/2011	1750	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS008-L-6	SS008-L	8/20/2011	1735	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS008-R-12	SS008-R	8/20/2011	1800	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a

2011 Port Heiden Site Road Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SS008-R-6	SS008-R	8/20/2011	1740	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS009-A0-6	SS009-A0	9/23/2011	1314	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS009-A1-6	SS009-A1	8/29/2011	730	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS009-A4-6	SS009-A4	8/29/2011	744	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS009-B0-6	SS009-B0	9/23/2011	1316	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS009-B1-6	SS009-B1	8/29/2011	732	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS009-B4-6	SS009-B4	8/29/2011	746	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS009-C0-6	SS009-C0	9/23/2011	1318	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS009-C1-6	SS009-C1	8/29/2011	734	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS009-C4-6	SS009-C4	8/29/2011	748	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS009-D0-6	SS009-D0	9/23/2011	1320	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS009-D1-6	SS009-D1	8/29/2011	736	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS009-D4-6	SS009-D4	8/29/2011	750	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS009-E0-6	SS009-E0	9/23/2011	1322	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS009-E1-6	SS009-E1	8/29/2011	738	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS009-E4-6	SS009-E4	8/29/2011	752	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS009-F0-6	SS009-F0	9/23/2011	1324	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS009-F1-6	SS009-F1	8/29/2011	740	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS009-F4-6	SS009-F4	8/29/2011	754	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS009-G0-6	SS009-G0	9/23/2011	1326	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS009-G1-6	SS009-G1	8/29/2011	742	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS009-G1-6	SS009-G1	8/29/2011	756	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS009-L-12	SS009-L	8/20/2011	1815	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS009-L-6	SS009-L	8/20/2011	1805	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS009-R-12	SS009-R	8/20/2011	1820	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS009-R-6	SS009-R	8/20/2011	1810	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS010-A0-6	SS010-A0	9/23/2011	1342	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-A1-6	SS010-A1	8/29/2011	758	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-A4-6	SS010-A4	8/29/2011	812	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-A5-6	SS010-A5	9/24/2011	900	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-B0-6	SS010-B0	9/23/2011	1344	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-B1-6	SS010-B1	8/29/2011	800	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-B4-6	SS010-B4	8/29/2011	814	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-B5-6	SS010-B5	9/24/2011	902	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-C0-6	SS010-C0	9/23/2011	1346	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-C1-6	SS010-C1	8/29/2011	802	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-C4-6	SS010-C4	8/29/2011	816	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-C5-6	SS010-C5	9/24/2011	904	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-D0-6	SS010-D0	9/23/2011	1348	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-D1-6	SS010-D1	8/29/2011	804	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-D4-6	SS010-D4	8/29/2011	818	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-D5-6	SS010-D5	9/24/2011	906	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-E0-6	SS010-E0	9/23/2011	1350	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-E1-6	SS010-E1	8/29/2011	806	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-E4-6	SS010-E4	8/29/2011	820	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-E5-6	SS010-E5	9/24/2011	908	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-F0-6	SS010-F0	9/23/2011	1352	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-F1-6	SS010-F1	8/29/2011	808	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-F4-6	SS010-F4	8/29/2011	822	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-F5-6	SS010-F5	9/24/2011	910	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-G0-6	SS010-G0	9/23/2011	1354	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-G1-6	SS010-G1	8/29/2011	810	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-G1-6	SS010-G1	8/29/2011	824	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-G5-6	SS010-G5	9/24/2011	912	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS010-L-12	SS010-L	8/20/2011	1840	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS010-L-6	SS010-L	8/20/2011	1830	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS010-R-12	SS010-R	8/20/2011	1845	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS010-R-6	SS010-R	8/20/2011	1835	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS011-A0-6	SS011-A0	9/23/2011	150	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-A1-6	SS011-A1	8/29/2011	826	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-A4-6	SS011-A4	8/29/2011	840	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a

Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SS011-A5-6	SS011-A5	9/23/2011	900	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-B0-6	SS011-B0	9/23/2011	1412	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-B1-6	SS011-B1	8/29/2011	828	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-B4-6	SS011-B4	8/29/2011	842	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-B5-6	SS011-B5	9/23/2011	902	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-C0-6	SS011-C0	9/23/2011	1414	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-C1-6	SS011-C1	8/29/2011	830	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-C4-6	SS011-C4	8/29/2011	844	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-C5-6	SS011-C5	9/23/2011	904	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-D0-6	SS011-D0	9/23/2011	1416	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-D1-6	SS011-D1	8/29/2011	832	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-D4-6	SS011-D4	8/29/2011	846	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-D5-6	SS011-D5	9/23/2011	906	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-E0-6	SS011-E0	9/23/2011	1418	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-E1-6	SS011-E1	8/29/2011	834	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-E4-6	SS011-E4	8/29/2011	848	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-E5-6	SS011-E5	9/23/2011	908	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-F0-6	SS011-F0	9/23/2011	1420	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-F1-6	SS011-F1	8/29/2011	836	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-F4-6	SS011-F4	8/29/2011	850	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-F5-6	SS011-F5	9/23/2011	910	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-G0-6	SS011-G0	9/23/2011	1422	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-G1-6	SS011-G1	8/29/2011	838	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-G1-6	SS011-G1	8/29/2011	852	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-G5-6	SS011-G5	9/23/2011	912	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS011-L-12	SS011-L	8/22/2011	810	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS011-L-6	SS011-L	8/22/2011	800	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS011-R-12	SS011-R	8/22/2011	815	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS011-R-6	SS011-R	8/22/2011	805	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS012-A0-6	SS012-A0	9/23/2011	1438	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS012-A1-6	SS012-A1	8/29/2011	854	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS012-A4-6	SS012-A4	8/29/2011	908	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS012-B0-6	SS012-B0	9/23/2011	1440	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS012-B1-6	SS012-B1	8/29/2011	856	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS012-B4-6	SS012-B4	8/29/2011	910	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS012-C0-6	SS012-C0	9/23/2011	1442	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS012-C1-6	SS012-C1	8/29/2011	858	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS012-C4-6	SS012-C4	8/29/2011	912	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS012-D0-6	SS012-D0	9/23/2011	1444	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS012-D1-6	SS012-D1	8/29/2011	900	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS012-D4-6	SS012-D4	8/29/2011	914	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS012-E0-6	SS012-E0	9/23/2011	1446	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS012-E1-6	SS012-E1	8/29/2011	902	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS012-E4-6	SS012-E4	8/29/2011	916	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS012-F0-6	SS012-F0	9/23/2011	1448	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS012-F1-6	SS012-F1	8/29/2011	904	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS012-F4-6	SS012-F4	8/29/2011	918	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS012-G0-6	SS012-G0	9/23/2011	1450	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS012-G1-6	SS012-G1	8/29/2011	906	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS012-G1-6	SS012-G1	8/29/2011	920	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS012-L-12	SS012-L	8/22/2011	830	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS012-L-6	SS012-L	8/22/2011	820	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS012-R-12	SS012-R	8/22/2011	840	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS012-R-6	SS012-R	8/22/2011	825	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS013-A0-6	SS013-A0	9/23/2011	1506	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS013-A1-6	SS013-A1	8/29/2011	922	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS013-A4-6	SS013-A4	8/29/2011	936	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS013-B0-6	SS013-B0	9/23/2011	1508	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS013-B1-6	SS013-B1	8/29/2011	924	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS013-B4-6	SS013-B4	8/29/2011	938	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS013-C0-6	SS013-C0	9/23/2011	160	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a

2011 Port Heiden Site Road Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SS013-C1-6	SS013-C1	8/29/2011	926	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS013-C4-6	SS013-C4	8/29/2011	940	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS013-D0-6	SS013-D0	9/23/2011	1512	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS013-D1-6	SS013-D1	8/29/2011	928	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS013-D4-6	SS013-D4	8/29/2011	942	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS013-E0-6	SS013-E0	9/23/2011	1514	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS013-E1-6	SS013-E1	8/29/2011	930	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS013-E4-6	SS013-E4	8/29/2011	944	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS013-F0-6	SS013-F0	9/23/2011	1516	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS013-F1-6	SS013-F1	8/29/2011	932	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS013-F4-6	SS013-F4	8/29/2011	946	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS013-G0-6	SS013-G0	9/23/2011	1518	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS013-G1-6	SS013-G1	8/29/2011	934	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS013-G1-6	SS013-G1	8/29/2011	948	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS013-L-12	SS013-L	8/22/2011	855	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS013-L-6	SS013-L	8/22/2011	845	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS013-R-12	SS013-R	8/22/2011	900	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS013-R-6	SS013-R	8/22/2011	850	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS014-A0-6	SS014-A0	9/23/2011	1534	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS014-A1-6	SS014-A1	8/29/2011	950	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS014-A4-6	SS014-A4	8/29/2011	1004	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS014-B0-6	SS014-B0	9/23/2011	1536	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS014-B1-6	SS014-B1	8/29/2011	952	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS014-B4-6	SS014-B4	8/29/2011	1006	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS014-C0-6	SS014-C0	9/23/2011	1538	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS014-C1-6	SS014-C1	8/29/2011	954	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS014-C4-6	SS014-C4	8/29/2011	1008	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS014-D0-6	SS014-D0	9/23/2011	1540	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS014-D1-6	SS014-D1	8/29/2011	956	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS014-D4-6	SS014-D4	8/29/2011	1010	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS014-E0-6	SS014-E0	9/23/2011	1542	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS014-E1-6	SS014-E1	8/29/2011	958	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS014-E4-6	SS014-E4	8/29/2011	1012	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS014-F0-6	SS014-F0	9/23/2011	1544	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS014-F1-6	SS014-F1	8/29/2011	1000	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS014-F4-6	SS014-F4	8/29/2011	1014	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS014-G0-6	SS014-G0	9/23/2011	1546	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS014-G1-6	SS014-G1	8/29/2011	1002	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS014-G1-6	SS014-G1	8/29/2011	1016	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS014-L-12	SS014-L	8/22/2011	915	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS014-L-6	SS014-L	8/22/2011	905	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS014-R-12	SS014-R	8/22/2011	920	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS014-R-6	SS014-R	8/22/2011	910	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS015-A0-6	SS015-A0	9/23/2011	1602	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS015-A1-6	SS015-A1	8/29/2011	1018	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS015-A4-6	SS015-A4	8/29/2011	1032	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS015-B0-6	SS015-B0	9/23/2011	1604	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS015-B1-6	SS015-B1	8/29/2011	1020	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS015-B4-6	SS015-B4	8/29/2011	1034	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS015-C0-6	SS015-C0	9/23/2011	1606	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS015-C1-6	SS015-C1	8/29/2011	1022	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS015-C4-6	SS015-C4	8/29/2011	1036	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS015-D0-6	SS015-D0	9/23/2011	1608	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS015-D1-6	SS015-D1	8/29/2011	1024	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS015-D4-6	SS015-D4	8/29/2011	1038	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS015-E0-6	SS015-E0	9/23/2011	1610	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS015-E1-6	SS015-E1	8/29/2011	1026	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS015-E4-6	SS015-E4	8/29/2011	1040	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS015-F0-6	SS015-F0	9/23/2011	1612	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS015-F1-6	SS015-F1	8/29/2011	1028	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS015-F4-6	SS015-F4	8/29/2011	1042	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a

2011 Port Heiden Site Road Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SS015-G0-6	SS015-G0	9/23/2011	1614	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS015-G1-6	SS015-G1	8/29/2011	1030	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS015-G1-6	SS015-G1	8/29/2011	1044	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS015-L-12	SS015-L	8/22/2011	935	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS015-L-6	SS015-L	8/22/2011	925	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS015-R-12	SS015-R	8/22/2011	940	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS015-R-6	SS015-R	8/22/2011	930	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS016-A0-6	SS016-A0	9/23/2011	1630	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS016-A1-6	SS016-A1	8/29/2011	1046	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS016-A4-6	SS016-A4	8/29/2011	1100	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS016-B0-6	SS016-B0	9/23/2011	1632	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS016-B1-6	SS016-B1	8/29/2011	1048	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS016-B4-6	SS016-B4	8/29/2011	1102	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS016-C0-6	SS016-C0	9/23/2011	1634	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS016-C1-6	SS016-C1	8/29/2011	1050	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS016-C4-6	SS016-C4	8/29/2011	1104	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS016-D0-6	SS016-D0	9/23/2011	1636	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS016-D1-6	SS016-D1	8/29/2011	1052	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS016-D4-6	SS016-D4	8/29/2011	1106	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS016-E0-6	SS016-E0	9/23/2011	1638	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS016-E1-6	SS016-E1	8/29/2011	1054	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS016-E4-6	SS016-E4	8/29/2011	1108	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS016-F0-6	SS016-F0	9/23/2011	1640	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS016-F1-6	SS016-F1	8/29/2011	1056	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS016-F4-6	SS016-F4	8/29/2011	1110	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS016-G0-6	SS016-G0	9/23/2011	1642	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS016-G1-6	SS016-G1	8/29/2011	1058	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS016-G1-6	SS016-G1	8/29/2011	1112	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS016-L-12	SS016-L	8/22/2011	955	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS016-L-6	SS016-L	8/22/2011	945	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS016-R-12	SS016-R	8/22/2011	1000	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS016-R-6	SS016-R	8/22/2011	950	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS017-A0-6	SS017-A0	9/16/2011	830	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS017-A1-6	SS017-A1	8/29/2011	1114	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS017-A4-6	SS017-A4	8/29/2011	1128	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS017-B0-6	SS017-B0	9/16/2011	832	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS017-B1-6	SS017-B1	8/29/2011	1116	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS017-B4-6	SS017-B4	8/29/2011	1130	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS017-C0-6	SS017-C0	9/16/2011	834	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS017-C1-6	SS017-C1	8/29/2011	1118	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS017-C4-6	SS017-C4	8/29/2011	1132	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS017-D0-6	SS017-D0	9/16/2011	836	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS017-D1-6	SS017-D1	8/29/2011	1120	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS017-D4-6	SS017-D4	8/29/2011	1134	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS017-E0-6	SS017-E0	9/16/2011	838	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS017-E1-6	SS017-E1	8/29/2011	1122	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS017-E4-6	SS017-E4	8/29/2011	1136	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS017-F0-6	SS017-F0	9/16/2011	840	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS017-F1-6	SS017-F1	8/29/2011	1124	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS017-F4-6	SS017-F4	8/29/2011	1138	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS017-G0-6	SS017-G0	9/16/2011	842	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS017-G1-6	SS017-G1	8/29/2011	1126	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS017-G1-6	SS017-G1	8/29/2011	1140	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS017-L-12	SS017-L	8/22/2011	1015	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS017-L-6	SS017-L	8/22/2011	1005	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS017-R-12	SS017-R	8/22/2011	1020	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS017-R-6	SS017-R	8/22/2011	1010	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS018-A1-6	SS018-A1	8/29/2011	1142	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS018-A4-6	SS018-A4	8/29/2011	1156	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS018-B0-6	SS018-B0	9/16/2011	1235	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS018-B1-6	SS018-B1	8/29/2011	1144	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a

Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SS018-B4-6	SS018-B4	8/29/2011	1158	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS018-C0-6	SS018-C0	9/16/2011	1240	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS018-C1-6	SS018-C1	8/29/2011	1146	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS018-C4-6	SS018-C4	8/29/2011	1200	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS018-D0-6	SS018-D0	9/16/2011	1245	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS018-D1-6	SS018-D1	8/29/2011	1148	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS018-D4-6	SS018-D4	8/29/2011	1230	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS018-E0-6	SS018-E0	9/16/2011	1250	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS018-E1-6	SS018-E1	8/29/2011	1150	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS018-E4-6	SS018-E4	8/29/2011	1232	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS018-F0-6	SS018-F0	9/16/2011	1255	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS018-F1-6	SS018-F1	8/29/2011	1152	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS018-F4-6	SS018-F4	8/29/2011	1234	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS018-G0-6	SS018-G0	9/16/2011	1300	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS018-G1-6	SS018-G1	8/29/2011	1154	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS018-G1-6	SS018-G1	8/29/2011	1236	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS018-L-12	SS018-L	8/22/2011	1035	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS018-L-6	SS018-L	8/22/2011	1025	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS018-R-12	SS018-R	8/22/2011	1040	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS018-R-6	SS018-R	8/22/2011	1030	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS019-A0-6	SS019-A0	9/16/2011	1400	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS019-A1-6	SS019-A1	8/29/2011	1238	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS019-A4-6	SS019-A4	8/29/2011	1252	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS019-B0-6	SS019-B0	9/16/2011	1405	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS019-B1-6	SS019-B1	8/29/2011	1240	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS019-B4-6	SS019-B4	8/29/2011	1254	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS019-C0-6	SS019-C0	9/16/2011	1410	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS019-C1-6	SS019-C1	8/29/2011	1242	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS019-C4-6	SS019-C4	8/29/2011	1256	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS019-D0-6	SS019-D0	9/16/2011	1415	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS019-D1-6	SS019-D1	8/29/2011	1244	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS019-D4-6	SS019-D4	8/29/2011	1258	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS019-E0-6	SS019-E0	9/16/2011	1420	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS019-E1-6	SS019-E1	8/29/2011	1246	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS019-E4-6	SS019-E4	8/29/2011	1300	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS019-F0-6	SS019-F0	9/16/2011	1425	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS019-F1-6	SS019-F1	8/29/2011	1248	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS019-F4-6	SS019-F4	8/29/2011	1302	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS019-G0-6	SS019-G0	9/16/2011	1430	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS019-G1-6	SS019-G1	8/29/2011	1250	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS019-G1-6	SS019-G1	8/29/2011	1304	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS019-L-12	SS019-L	8/22/2011	1055	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS019-L-6	SS019-L	8/22/2011	1045	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS019-R-12	SS019-R	8/22/2011	1100	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS019-R-6	SS019-R	8/22/2011	1050	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS020-A0-6	SS020-A0	9/16/2011	1600	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS020-A1-6	SS020-A1	8/29/2011	1306	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS020-A4-6	SS020-A4	8/29/2011	1320	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS020-B0-6	SS020-B0	9/16/2011	1605	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS020-B1-6	SS020-B1	8/29/2011	1308	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS020-B4-6	SS020-B4	8/29/2011	1322	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS020-C0-6	SS020-C0	9/16/2011	1610	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS020-C1-6	SS020-C1	8/29/2011	1310	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS020-C4-6	SS020-C4	8/29/2011	1324	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS020-D0-6	SS020-D0	9/16/2011	1615	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS020-D1-6	SS020-D1	8/29/2011	1312	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS020-D4-6	SS020-D4	8/29/2011	1326	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS020-E0-6	SS020-E0	9/16/2011	1620	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS020-E1-6	SS020-E1	8/29/2011	1314	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS020-E4-6	SS020-E4	8/29/2011	1328	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS020-F0-6	SS020-F0	9/16/2011	1625	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a

Attachment C-3, Field Sample Summary
Page 12 of 51

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SS020-F1-6	SS020-F1	8/29/2011	1316	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS020-F4-6	SS020-F4	8/29/2011	1330	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS020-G0-6	SS020-G0	9/16/2011	1630	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS020-G1-6	SS020-G1	8/29/2011	1318	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS020-G1-6	SS020-G1	8/29/2011	1332	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS020-L-12	SS020-L	8/22/2011	1115	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS020-L-6	SS020-L	8/22/2011	1105	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS020-R-12	SS020-R	8/22/2011	1120	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS020-R-6	SS020-R	8/22/2011	1110	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS021-A0-6	SS021-A0	9/17/2011	830	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS021-A1-6	SS021-A1	8/29/2011	1334	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS021-A4-6	SS021-A4	8/29/2011	1348	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS021-B0-6	SS021-B0	9/17/2011	832	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS021-B1-6	SS021-B1	8/29/2011	1336	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS021-B4-6	SS021-B4	8/29/2011	1350	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS021-C0-6	SS021-C0	9/17/2011	834	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS021-C1-6	SS021-C1	8/29/2011	1338	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS021-C4-6	SS021-C4	8/29/2011	1352	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS021-D0-6	SS021-D0	9/17/2011	836	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS021-D1-6	SS021-D1	8/29/2011	1340	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS021-D4-6	SS021-D4	8/29/2011	1354	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS021-E0-6	SS021-E0	9/17/2011	838	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS021-E1-6	SS021-E1	8/29/2011	1342	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS021-E4-6	SS021-E4	8/29/2011	1356	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS021-F0-6	SS021-F0	9/17/2011	840	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS021-F1-6	SS021-F1	8/29/2011	1344	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS021-F4-6	SS021-F4	8/29/2011	1358	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS021-G0-6	SS021-G0	9/17/2011	842	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS021-G1-6	SS021-G1	8/29/2011	1346	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS021-G1-6	SS021-G1	8/29/2011	1400	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS021-L-12	SS021-L	8/22/2011	1135	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS021-L-6	SS021-L	8/22/2011	1125	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS021-R-12	SS021-R	8/22/2011	1140	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS021-R-6	SS021-R	8/22/2011	1130	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS022-A0-6	SS022-A0	9/17/2011	930	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS022-A1-6	SS022-A1	8/29/2011	1402	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS022-A4-6	SS022-A4	8/29/2011	1416	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS022-B0-6	SS022-B0	9/17/2011	932	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS022-B1-6	SS022-B1	8/29/2011	1404	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS022-B4-6	SS022-B4	8/29/2011	1418	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS022-C0-6	SS022-C0	9/17/2011	934	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS022-C1-6	SS022-C1	8/29/2011	1406	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS022-C4-6	SS022-C4	8/29/2011	1420	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS022-D0-6	SS022-D0	9/17/2011	936	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS022-D1-6	SS022-D1	8/29/2011	1408	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS022-D4-6	SS022-D4	8/29/2011	1422	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS022-E0-6	SS022-E0	9/17/2011	938	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS022-E1-6	SS022-E1	8/29/2011	1410	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS022-E4-6	SS022-E4	8/29/2011	1424	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS022-F0-6	SS022-F0	9/17/2011	940	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS022-F1-6	SS022-F1	8/29/2011	1412	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS022-F4-6	SS022-F4	8/29/2011	1426	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS022-F5-6	SS022-F5	9/22/2011	1546	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS022-G0-6	SS022-G0	9/17/2011	942	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS022-G1-6	SS022-G1	8/29/2011	1414	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS022-G1-6	SS022-G1	8/29/2011	1428	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS022-G5-6	SS022-G5	9/22/2011	1548	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS022-L-12	SS022-L	8/22/2011	1155	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS022-L-6	SS022-L	8/22/2011	1145	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS022-R-12	SS022-R	8/22/2011	1200	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS022-R-6	SS022-R	8/22/2011	1150	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a

Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SS023-A0-6	SS023-A0	9/17/2011	1100	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-A1-6	SS023-A1	8/29/2011	1430	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-A4-6	SS023-A4	8/29/2011	1444	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-A5-6	SS023-A5	9/22/2011	1604	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-B0-6	SS023-B0	9/17/2011	1102	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-B1-6	SS023-B1	8/29/2011	1432	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-B4-6	SS023-B4	8/29/2011	1446	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-B5-6	SS023-B5	9/22/2011	1606	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-C0-6	SS023-C0	9/17/2011	1104	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-C1-6	SS023-C1	8/29/2011	1434	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-C4-6	SS023-C4	8/29/2011	1448	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-C5-6	SS023-C5	9/22/2011	1608	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-D0-6	SS023-D0	9/17/2011	1106	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-D1-6	SS023-D1	8/29/2011	1436	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-D4-6	SS023-D4	8/29/2011	1450	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-D5-6	SS023-D5	9/22/2011	1610	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-E0-6	SS023-E0	9/17/2011	1108	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-E1-6	SS023-E1	8/29/2011	1438	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-E4-6	SS023-E4	8/29/2011	1452	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-E5-6	SS023-E5	9/22/2011	1612	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-F0-6	SS023-F0	9/17/2011	1110	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-F1-6	SS023-F1	8/29/2011	1440	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-F4-6	SS023-F4	8/29/2011	1454	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-F5-6	SS023-F5	9/22/2011	1614	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-G0-6	SS023-G0	9/17/2011	1112	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-G1-6	SS023-G1	8/29/2011	1442	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-G1-6	SS023-G1	8/29/2011	1456	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-G5-6	SS023-G5	9/22/2011	1616	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS023-L-12	SS023-L	8/22/2011	1310	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS023-L-6	SS023-L	8/22/2011	1300	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS023-R-12	SS023-R	8/22/2011	1315	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS023-R-6	SS023-R	8/22/2011	1305	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS024-A0-6	SS024-A0	9/17/2011	1230	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-A1-6	SS024-A1	8/29/2011	1458	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-A4-6	SS024-A4	8/29/2011	1512	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-A5-6	SS024-A5	9/22/2011	1632	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-B0-6	SS024-B0	9/17/2011	1232	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-B1-6	SS024-B1	8/29/2011	1500	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-B4-6	SS024-B4	8/29/2011	1514	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-B5-6	SS024-B5	9/22/2011	1634	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-C0-6	SS024-C0	9/17/2011	1234	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-C1-6	SS024-C1	8/29/2011	1502	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-C4-6	SS024-C4	8/29/2011	1516	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-C5-6	SS024-C5	9/22/2011	1636	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-D0-6	SS024-D0	9/17/2011	1236	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-D1-6	SS024-D1	8/29/2011	1504	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-D4-6	SS024-D4	8/29/2011	1518	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-D5-6	SS024-D5	9/22/2011	1638	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-E0-6	SS024-E0	9/17/2011	1238	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-E1-6	SS024-E1	8/29/2011	1506	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-E4-6	SS024-E4	8/29/2011	1520	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-E5-6	SS024-E5	9/22/2011	1640	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-F0-6	SS024-F0	9/17/2011	1240	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-F1-6	SS024-F1	8/29/2011	1508	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-F4-6	SS024-F4	8/29/2011	1522	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-F5-6	SS024-F5	9/22/2011	1642	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-G0-6	SS024-G0	9/17/2011	1242	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-G1-6	SS024-G1	8/29/2011	1510	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-G1-6	SS024-G1	8/29/2011	1524	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-G5-6	SS024-G5	9/22/2011	1644	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS024-L-12	SS024-L	8/22/2011	1330	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a

2011 Port Heiden Site Road Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SS024-L-6	SS024-L	8/22/2011	1320	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS024-R-12	SS024-R	8/22/2011	1335	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS024-R-6	SS024-R	8/22/2011	1325	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS025-A0-6	SS025-A0	9/17/2011	1400	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS025-A1-6	SS025-A1	8/29/2011	1526	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS025-A4-6	SS025-A4	8/29/2011	1540	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS025-A5-6	SS025-A5	9/22/2011	1700	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS025-B0-6	SS025-B0	9/17/2011	1402	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS025-B1-6	SS025-B1	8/29/2011	1528	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS025-B4-6	SS025-B4	8/29/2011	1542	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS025-B5-6	SS025-B5	9/22/2011	1702	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS025-C0-6	SS025-C0	9/17/2011	1404	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS025-C1-6	SS025-C1	8/29/2011	1530	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS025-C4-6	SS025-C4	8/29/2011	1544	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS025-C5-6	SS025-C5	9/22/2011	1701	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS025-D0-6	SS025-D0	9/17/2011	1406	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS025-D1-6	SS025-D1	8/29/2011	1532	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS025-D4-6	SS025-D4	8/29/2011	1546	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS025-E0-6	SS025-E0	9/17/2011	1408	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS025-E1-6	SS025-E1	8/29/2011	1534	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS025-E4-6	SS025-E4	8/29/2011	1548	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS025-F0-6	SS025-F0	9/17/2011	1410	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS025-F1-6	SS025-F1	8/29/2011	1536	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS025-F4-6	SS025-F4	8/29/2011	1550	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS025-G0-6	SS025-G0	9/17/2011	1412	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS025-G1-6	SS025-G1	8/29/2011	1538	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS025-G1-6	SS025-G1	8/29/2011	1552	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS025-L-12	SS025-L	8/22/2011	1350	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS025-L-6	SS025-L	8/22/2011	1340	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS025-R-12	SS025-R	8/22/2011	1355	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS025-R-6	SS025-R	8/22/2011	1345	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS026-A0-6	SS026-A0	9/17/2011	1600	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS026-A1-6	SS026-A1	8/29/2011	1554	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS026-A4-6	SS026-A4	8/29/2011	1608	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS026-B0-6	SS026-B0	9/17/2011	1602	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS026-B1-6	SS026-B1	8/29/2011	1556	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS026-B4-6	SS026-B4	8/29/2011	1610	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS026-C0-6	SS026-C0	9/17/2011	1604	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS026-C1-6	SS026-C1	8/29/2011	1558	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS026-C4-6	SS026-C4	8/29/2011	1612	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS026-D0-6	SS026-D0	9/17/2011	1606	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS026-D1-6	SS026-D1	8/29/2011	1600	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS026-D4-6	SS026-D4	8/29/2011	1614	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS026-E0-6	SS026-E0	9/17/2011	1608	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS026-E1-6	SS026-E1	8/29/2011	1602	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS026-E4-6	SS026-E4	8/29/2011	1616	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS026-F0-6	SS026-F0	9/17/2011	1610	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS026-F1-6	SS026-F1	8/29/2011	1604	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS026-F4-6	SS026-F4	8/29/2011	1618	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS026-G0-6	SS026-G0	9/17/2011	1612	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS026-G1-6	SS026-G1	8/29/2011	1606	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS026-G1-6	SS026-G1	8/29/2011	1620	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS026-L-12	SS026-L	8/22/2011	1405	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS026-L-6	SS026-L	8/22/2011	1355	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS026-R-12	SS026-R	8/22/2011	1410	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS026-R-6	SS026-R	8/22/2011	1400	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS027-A0-6	SS027-A0	9/18/2011	800	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS027-A1-6	SS027-A1	8/29/2011	1622	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS027-A4-6	SS027-A4	8/29/2011	1636	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS027-A5-6	SS027-A5	9/22/2011	1314	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS027-B0-6	SS027-B0	9/18/2011	802	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a

2011 Port Heiden Site Road Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SS027-B1-6	SS027-B1	8/29/2011	1624	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS027-B4-6	SS027-B4	8/29/2011	1638	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS027-B5-6	SS027-B5	9/22/2011	1316	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS027-C0-6	SS027-C0	9/18/2011	804	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS027-C1-6	SS027-C1	8/29/2011	1626	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS027-C4-6	SS027-C4	8/29/2011	1640	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS027-C5-6	SS027-C5	9/22/2011	1318	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS027-D0-6	SS027-D0	9/18/2011	806	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS027-D1-6	SS027-D1	8/29/2011	1628	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS027-D4-6	SS027-D4	8/29/2011	1642	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS027-E0-6	SS027-E0	9/18/2011	808	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS027-E1-6	SS027-E1	8/29/2011	1630	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS027-E4-6	SS027-E4	8/29/2011	1644	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS027-F0-6	SS027-F0	9/18/2011	810	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS027-F1-6	SS027-F1	8/29/2011	1632	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS027-F4-6	SS027-F4	8/29/2011	1646	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS027-G0-6	SS027-G0	9/18/2011	812	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS027-G1-6	SS027-G1	8/29/2011	1634	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS027-G1-6	SS027-G1	8/29/2011	1648	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS027-L-12	SS027-L	8/22/2011	1425	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS027-L-6	SS027-L	8/22/2011	1415	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS027-R-12	SS027-R	8/22/2011	1430	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS027-R-6	SS027-R	8/22/2011	1420	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS028-A0-6	SS028-A0	9/18/2011	930	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS028-A1-6	SS028-A1	8/29/2011	1650	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS028-A4-6	SS028-A4	8/29/2011	1704	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS028-B0-6	SS028-B0	9/18/2011	932	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS028-B1-6	SS028-B1	8/29/2011	1652	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS028-B4-6	SS028-B4	8/29/2011	1706	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS028-C0-6	SS028-C0	9/18/2011	934	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS028-C1-6	SS028-C1	8/29/2011	1654	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS028-C4-6	SS028-C4	8/29/2011	1708	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS028-D0-6	SS028-D0	9/18/2011	936	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS028-D1-6	SS028-D1	8/29/2011	1656	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS028-D4-6	SS028-D4	8/29/2011	1710	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS028-E0-6	SS028-E0	9/18/2011	938	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS028-E1-6	SS028-E1	8/29/2011	1658	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS028-E4-6	SS028-E4	8/29/2011	1712	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS028-F0-6	SS028-F0	9/18/2011	940	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS028-F1-6	SS028-F1	8/29/2011	1700	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS028-F4-6	SS028-F4	8/29/2011	1714	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS028-G0-6	SS028-G0	9/18/2011	942	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS028-G1-6	SS028-G1	8/29/2011	1702	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS028-G1-6	SS028-G1	8/29/2011	1716	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS028-L-12	SS028-L	8/22/2011	1445	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS028-L-6	SS028-L	8/22/2011	1435	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS028-R-12	SS028-R	8/22/2011	1450	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS028-R-6	SS028-R	8/22/2011	1440	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS029-A0-6	SS029-A0	9/18/2011	1100	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS029-A1-6	SS029-A1	8/29/2011	1718	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS029-A4-6	SS029-A4	8/29/2011	1732	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS029-B0-6	SS029-B0	9/18/2011	1102	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS029-B1-6	SS029-B1	8/29/2011	1720	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS029-B4-6	SS029-B4	8/29/2011	1734	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS029-C0-6	SS029-C0	9/18/2011	1104	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS029-C1-6	SS029-C1	8/29/2011	1722	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS029-C4-6	SS029-C4	8/29/2011	1736	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS029-D0-6	SS029-D0	9/18/2011	1106	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS029-D1-6	SS029-D1	8/29/2011	1724	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS029-D4-6	SS029-D4	8/29/2011	1738	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS029-E0-6	SS029-E0	9/18/2011	1108	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a

Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SS029-E1-6	SS029-E1	8/29/2011	1726	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS029-E4-6	SS029-E4	8/29/2011	1740	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS029-E5-6	SS029-E5	9/22/2011	1402	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-SS029-F0-6	SS029-F0	9/18/2011	1110	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS029-F1-6	SS029-F1	8/29/2011	1728	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS029-F4-6	SS029-F4	8/29/2011	1742	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS029-F5-6	SS029-F5	9/22/2011	1404	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-SS029-G0-6	SS029-G0	9/18/2011	1112	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS029-G1-6	SS029-G1	8/29/2011	1730	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS029-G1-6	SS029-G1	8/29/2011	1744	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS029-G5-6	SS029-G5	9/22/2011	1406	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-SS029-L-12	SS029-L	8/22/2011	1505	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS029-L-6	SS029-L	8/22/2011	1455	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS029-R-12	SS029-R	8/22/2011	1510	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS029-R-6	SS029-R	8/22/2011	1500	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS030-A0-6	SS030-A0	9/18/2011	1400	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-A1-6	SS030-A1	8/29/2011	1746	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-A4-6	SS030-A4	8/29/2011	1800	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-A5-6	SS030-A5	9/22/2011	1422	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-B0-6	SS030-B0	9/18/2011	1404	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-B1-6	SS030-B1	8/29/2011	1748	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-B4-6	SS030-B4	8/29/2011	1802	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-B5-6	SS030-B5	9/22/2011	1424	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-C0-6	SS030-C0	9/18/2011	1408	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-C1-6	SS030-C1	8/29/2011	1750	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-C4-6	SS030-C4	8/29/2011	1804	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-C5-6	SS030-C5	9/22/2011	1426	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-D0-6	SS030-D0	9/18/2011	1412	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-D1-6	SS030-D1	8/29/2011	1752	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-D4-6	SS030-D4	8/29/2011	1806	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-D5-6	SS030-D5	9/22/2011	1428	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-E0-6	SS030-E0	9/18/2011	1416	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-E1-6	SS030-E1	8/29/2011	1754	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-E4-6	SS030-E4	8/29/2011	1808	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-E5-6	SS030-E5	9/22/2011	1430	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-F0-6	SS030-F0	9/18/2011	1420	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-F1-6	SS030-F1	8/29/2011	1756	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-F4-6	SS030-F4	8/29/2011	1810	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-F5-6	SS030-F5	9/22/2011	1432	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-G0-6	SS030-G0	9/18/2011	1424	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-G1-6	SS030-G1	8/29/2011	1758	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-G1-6	SS030-G1	8/29/2011	1812	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-G5-6	SS030-G5	9/22/2011	1434	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS030-L-12	SS030-L	8/22/2011	1525	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS030-L-6	SS030-L	8/22/2011	1515	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS030-R-12	SS030-R	8/22/2011	1530	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS030-R-6	SS030-R	8/22/2011	1520	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS031-A1-6	SS031-A1	8/30/2011	730	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS031-A4-6	SS031-A4	8/30/2011	744	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS031-A5-6	SS031-A5	9/22/2011	1450	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS031-B1-6	SS031-B1	8/30/2011	732	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS031-B4-6	SS031-B4	8/30/2011	746	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS031-B5-6	SS031-B5	9/22/2011	1452	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS031-C1-6	SS031-C1	8/30/2011	734	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS031-C4-6	SS031-C4	8/30/2011	748	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS031-C5-6	SS031-C5	9/22/2011	1454	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS031-D1-6	SS031-D1	8/30/2011	736	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS031-D4-6	SS031-D4	8/30/2011	750	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS031-D5-6	SS031-D5	9/22/2011	1456	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS031-E1-6	SS031-E1	8/30/2011	738	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS031-F4-6	SS031-F4	8/30/2011	752	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a

2011 Port Heiden Site Road Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SS031-E5-6	SS031-E5	9/22/2011	1458	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS031-F1-6	SS031-F1	8/30/2011	740	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS031-F4-6	SS031-F4	8/30/2011	754	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS031-F5-6	SS031-F5	9/22/2011	1500	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS031-G1-6	SS031-G1	8/30/2011	742	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS031-G1-6	SS031-G1	8/30/2011	756	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS031-G5-6	SS031-G5	9/22/2011	1502	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS031-L-12	SS031-L	8/22/2011	1545	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS031-L-6	SS031-L	8/22/2011	1535	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS031-R-12	SS031-R	8/22/2011	1550	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS031-R-6	SS031-R	8/22/2011	1540	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS032-A1-6	SS032-A1	8/30/2011	758	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS032-A1-6	SS032-A1	8/30/2011	826	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS032-A4-6	SS032-A4	8/30/2011	812	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS032-A5-6	SS032-A5	9/22/2011	1518	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS032-B1-6	SS032-B1	8/30/2011	800	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS032-B4-6	SS032-B4	8/30/2011	814	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS032-B5-6	SS032-B5	9/22/2011	1520	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS032-C1-6	SS032-C1	8/30/2011	802	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS032-C4-6	SS032-C4	8/30/2011	816	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS032-C5-6	SS032-C5	9/22/2011	1522	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS032-D1-6	SS032-D1	8/30/2011	804	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS032-D4-6	SS032-D4	8/30/2011	818	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS032-D5-6	SS032-D5	9/22/2011	1524	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS032-E1-6	SS032-E1	8/30/2011	806	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS032-E4-6	SS032-E4	8/30/2011	820	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS032-E5-6	SS032-E5	9/22/2011	1526	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS032-F1-6	SS032-F1	8/30/2011	808	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS032-F4-6	SS032-F4	8/30/2011	822	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS032-F5-6	SS032-F5	9/22/2011	1528	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS032-G1-6	SS032-G1	8/30/2011	810	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS032-G1-6	SS032-G1	8/30/2011	824	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS032-G5-6	SS032-G5	9/22/2011	1530	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS032-L-12	SS032-L	8/22/2011	1605	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS032-L-6	SS032-L	8/22/2011	1555	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS032-R-12	SS032-R	8/22/2011	1610	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS032-R-6	SS032-R	8/22/2011	1600	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS033-A4-6	SS033-A4	8/30/2011	840	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS033-A5-6	SS033-A5	9/22/2011	1146	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS033-B1-6	SS033-B1	8/30/2011	828	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS033-B4-6	SS033-B4	8/30/2011	842	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS033-B5-6	SS033-B5	9/22/2011	1147	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS033-C1-6	SS033-C1	8/30/2011	830	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS033-C4-6	SS033-C4	8/30/2011	844	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS033-C5-6	SS033-C5	9/22/2011	1148	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS033-D1-6	SS033-D1	8/30/2011	832	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS033-D4-6	SS033-D4	8/30/2011	846	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS033-D5-6	SS033-D5	9/22/2011	1149	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS033-E1-6	SS033-E1	8/30/2011	834	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS033-E4-6	SS033-E4	8/30/2011	848	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS033-E5-6	SS033-E5	9/22/2011	1150	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS033-F1-6	SS033-F1	8/30/2011	836	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS033-F4-6	SS033-F4	8/30/2011	850	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS033-F5-6	SS033-F5	9/22/2011	1151	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS033-G1-6	SS033-G1	8/30/2011	838	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS033-G1-6	SS033-G1	8/30/2011	852	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS033-G5-6	SS033-G5	9/22/2011	1152	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS033-L-12	SS033-L	8/22/2011	1615	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS033-L-6	SS033-L	8/22/2011	1605	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS033-R-12	SS033-R	8/22/2011	1630	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS033-R-6	SS033-R	8/22/2011	1620	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a

2011 Port Heiden Site Road Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SS034-A1-6	SS034-A1	8/30/2011	854	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS034-A4-6	SS034-A4	8/30/2011	908	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS034-A5-6	SS034-A5	9/22/2011	1132	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS034-B1-6	SS034-B1	8/30/2011	856	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS034-B4-6	SS034-B4	8/30/2011	910	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS034-B5-6	SS034-B5	9/22/2011	1134	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS034-C1-6	SS034-C1	8/30/2011	858	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS034-C4-6	SS034-C4	8/30/2011	912	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS034-C5-6	SS034-C5	9/22/2011	1136	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS034-D1-6	SS034-D1	8/30/2011	900	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS034-D4-6	SS034-D4	8/30/2011	914	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS034-D5-6	SS034-D5	9/22/2011	1138	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS034-E1-6	SS034-E1	8/30/2011	902	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS034-E4-6	SS034-E4	8/30/2011	916	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS034-F1-6	SS034-F1	8/30/2011	904	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS034-F4-6	SS034-F4	8/30/2011	918	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS034-G1-6	SS034-G1	8/30/2011	906	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS034-G1-6	SS034-G1	8/30/2011	920	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS034-L-12	SS034-L	8/22/2011	1635	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS034-L-6	SS034-L	8/22/2011	1625	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS034-R-12	SS034-R	8/22/2011	1650	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS034-R-6	SS034-R	8/22/2011	1640	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS035-A1-6	SS035-A1	8/30/2011	922	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS035-A4-6	SS035-A4	8/30/2011	936	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS035-B1-6	SS035-B1	8/30/2011	924	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS035-B4-6	SS035-B4	8/30/2011	938	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS035-C1-6	SS035-C1	8/30/2011	926	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS035-C4-6	SS035-C4	8/30/2011	940	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS035-D1-6	SS035-D1	8/30/2011	928	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS035-D4-6	SS035-D4	8/30/2011	942	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS035-E1-6	SS035-E1	8/30/2011	930	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS035-E4-6	SS035-E4	8/30/2011	944	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS035-F1-6	SS035-F1	8/30/2011	932	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS035-F4-6	SS035-F4	8/30/2011	946	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS035-G1-6	SS035-G1	8/30/2011	934	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS035-G1-6	SS035-G1	8/30/2011	948	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS035-L-12	SS035-L	8/22/2011	1700	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS035-L-6	SS035-L	8/22/2011	1645	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS035-R-12	SS035-R	8/22/2011	1705	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS035-R-6	SS035-R	8/22/2011	1655	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS036-A1-6	SS036-A1	8/30/2011	950	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS036-A4-6	SS036-A4	8/30/2011	1004	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS036-B1-6	SS036-B1	8/30/2011	952	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS036-B4-6	SS036-B4	8/30/2011	1006	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS036-C1-6	SS036-C1	8/30/2011	954	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS036-C4-6	SS036-C4	8/30/2011	1008	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS036-D1-6	SS036-D1	8/30/2011	956	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS036-D4-6	SS036-D4	8/30/2011	1010	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS036-E1-6	SS036-E1	8/30/2011	958	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS036-E4-6	SS036-E4	8/30/2011	1012	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS036-F1-6	SS036-F1	8/30/2011	1000	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS036-F4-6	SS036-F4	8/30/2011	1014	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS036-G1-6	SS036-G1	8/30/2011	1002	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS036-G1-6	SS036-G1	8/30/2011	1016	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS036-L-12	SS036-L	8/22/2011	1720	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS036-L-6	SS036-L	8/22/2011	1710	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS036-R-12	SS036-R	8/22/2011	1725	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS036-R-6	SS036-R	8/22/2011	1715	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS037-A1-6	SS037-A1	8/30/2011	1018	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS037-A4-6	SS037-A4	8/30/2011	1032	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS037-A5-6	SS037-A5	9/22/2011	910	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a

2011 Port Heiden Site Road Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SS037-B1-6	SS037-B1	8/30/2011	1020	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS037-B4-6	SS037-B4	8/30/2011	1034	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS037-B5-6	SS037-B5	9/22/2011	915	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS037-C1-6	SS037-C1	8/30/2011	1022	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS037-C4-6	SS037-C4	8/30/2011	1036	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS037-C5-6	SS037-C5	9/22/2011	920	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS037-D1-6	SS037-D1	8/30/2011	1024	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS037-D4-6	SS037-D4	8/30/2011	1038	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS037-D5-6	SS037-D5	9/22/2011	925	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS037-E1-6	SS037-E1	8/30/2011	1026	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS037-E4-6	SS037-E4	8/30/2011	1040	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS037-E5-6	SS037-E5	9/22/2011	930	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS037-F1-6	SS037-F1	8/30/2011	1028	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS037-F4-6	SS037-F4	8/30/2011	1042	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS037-F5-6	SS037-F5	9/22/2011	935	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS037-G1-6	SS037-G1	8/30/2011	1030	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS037-G1-6	SS037-G1	8/30/2011	1044	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS037-G5-6	SS037-G5	9/22/2011	935	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS037-L-12	SS037-L	8/22/2011	1740	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS037-L-6	SS037-L	8/22/2011	1730	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS037-R-12	SS037-R	8/22/2011	1745	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS037-R-6	SS037-R	8/22/2011	1735	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS038-A1-6	SS038-A1	8/30/2011	1046	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS038-A4-6	SS038-A4	8/30/2011	1100	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS038-A5-6	SS038-A5	9/22/2011	845	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS038-B1-6	SS038-B1	8/30/2011	1048	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS038-B4-6	SS038-B4	8/30/2011	1102	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS038-B5-6	SS038-B5	9/22/2011	850	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS038-C1-6	SS038-C1	8/30/2011	1050	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS038-C4-6	SS038-C4	8/30/2011	1104	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS038-D1-6	SS038-D1	8/30/2011	1052	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS038-D4-6	SS038-D4	8/30/2011	1106	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS038-E1-6	SS038-E1	8/30/2011	1054	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS038-E4-6	SS038-E4	8/30/2011	1108	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS038-F1-6	SS038-F1	8/30/2011	1056	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS038-F4-6	SS038-F4	8/30/2011	1110	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS038-G1-6	SS038-G1	8/30/2011	1058	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS038-G1-6	SS038-G1	8/30/2011	1112	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS038-G5-6	SS038-G5	9/22/2011	855	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS038-L-12	SS038-L	8/23/2011	740	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS038-L-6	SS038-L	8/23/2011	730	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS038-R-12	SS038-R	8/23/2011	745	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS038-R-6	SS038-R	8/23/2011	735	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS039-A1-6	SS039-A1	8/30/2011	1114	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS039-A4-6	SS039-A4	8/30/2011	1128	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS039-A5-6	SS039-A5	9/24/2011	1300	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS039-B1-6	SS039-B1	8/30/2011	1116	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS039-B4-6	SS039-B4	8/30/2011	1130	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS039-B5-6	SS039-B5	9/24/2011	1305	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS039-C1-6	SS039-C1	8/30/2011	1118	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS039-C4-6	SS039-C4	8/30/2011	1300	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS039-C5-6	SS039-C5	9/24/2011	1310	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS039-D1-6	SS039-D1	8/30/2011	1120	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS039-D4-6	SS039-D4	8/30/2011	1302	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS039-D5-6	SS039-D5	9/24/2011	1315	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS039-E0-6	SS039-E0	9/24/2011	928	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS039-E1-6	SS039-E1	8/30/2011	1122	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS039-E4-6	SS039-E4	8/30/2011	1304	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS039-E5-6	SS039-E5	9/24/2011	1320	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS039-F0-6	SS039-F0	9/24/2011	930	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS039-F1-6	SS039-F1	8/30/2011	1124	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a

Attachment C-3, Field Sample Summary
Page 20 of 51

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SS039-F4-6	SS039-F4	8/30/2011	1306	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS039-F5-6	SS039-F5	9/24/2011	1325	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS039-G0-6	SS039-G0	9/24/2011	932	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS039-G1-6	SS039-G1	8/30/2011	1126	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS039-G1-6	SS039-G1	8/30/2011	1308	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS039-G5-6	SS039-G5	9/24/2011	1330	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS039-L-12	SS039-L	8/23/2011	800	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS039-L-6	SS039-L	8/23/2011	750	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS039-R-12	SS039-R	8/23/2011	805	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS039-R-6	SS039-R	8/23/2011	755	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS040-A0-6	SS040-A0	9/24/2011	954	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-A1-6	SS040-A1	8/30/2011	1310	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-A4-6	SS040-A4	8/30/2011	1324	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-A5-6	SS040-A5	9/24/2011	1410	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-B0-6	SS040-B0	9/24/2011	956	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-B1-6	SS040-B1	8/30/2011	1312	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-B4-6	SS040-B4	8/30/2011	1326	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-B5-6	SS040-B5	9/24/2011	1415	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-C0-6	SS040-C0	9/24/2011	958	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-C1-6	SS040-C1	8/30/2011	1314	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-C4-6	SS040-C4	8/30/2011	1328	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-C5-6	SS040-C5	9/24/2011	1420	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-D0-6	SS040-D0	9/24/2011	1000	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-D1-6	SS040-D1	8/30/2011	1316	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-D4-6	SS040-D4	8/30/2011	1330	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-D5-6	SS040-D5	9/24/2011	1425	CP/CF	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-E0-6	SS040-E0	9/24/2011	1002	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-E1-6	SS040-E1	8/30/2011	1318	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-E4-6	SS040-E4	8/30/2011	1332	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-E5-6	SS040-E5	9/24/2011	1430	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-F0-6	SS040-F0	9/24/2011	1004	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-F1-6	SS040-F1	8/30/2011	1320	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-F4-6	SS040-F4	8/30/2011	1334	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-F5-6	SS040-F5	9/24/2011	1435	CP/CF	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-G0-6	SS040-G0	9/24/2011	1006	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-G1-6	SS040-G1	8/30/2011	1322	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-G1-6	SS040-G1	8/30/2011	1336	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-G5-6	SS040-G5	9/24/2011	1440	CP/CF	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS040-L-12	SS040-L	8/23/2011	820	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS040-L-6	SS040-L	8/23/2011	810	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS040-R-12	SS040-R	8/23/2011	825	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS040-R-6	SS040-R	8/23/2011	815	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS041-A0-6	SS041-A0	9/24/2011	1022	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-A1-6	SS041-A1	8/30/2011	1338	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-A4-6	SS041-A4	8/30/2011	1352	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-A5-6	SS041-A5	9/24/2011	1520	CP/CF	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-B0-6	SS041-B0	9/24/2011	1024	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-B1-6	SS041-B1	8/30/2011	1340	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-B4-6	SS041-B4	8/30/2011	1354	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-B5-6	SS041-B5	9/24/2011	1525	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-C0-6	SS041-C0	9/24/2011	1026	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-C1-6	SS041-C1	8/30/2011	1342	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-C4-6	SS041-C4	8/30/2011	1356	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-C5-6	SS041-C5	9/24/2011	1530	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-D0-6	SS041-D0	9/24/2011	1028	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-D1-6	SS041-D1	8/30/2011	1344	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-D4-6	SS041-D4	8/30/2011	1358	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-D5-6	SS041-D5	9/24/2011	1535	CP/CF	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-E0-6	SS041-E0	9/24/2011	1030	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-E1-6	SS041-E1	8/30/2011	1346	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-E4-6	SS041-E4	8/30/2011	1400	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a

Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SS041-E5-6	SS041-E5	9/24/2011	1540	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-F0-6	SS041-F0	9/24/2011	1032	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-F1-6	SS041-F1	8/30/2011	1348	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-F4-6	SS041-F4	8/30/2011	1402	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-F5-6	SS041-F5	9/24/2011	1545	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-G0-6	SS041-G0	9/24/2011	1034	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-G1-6	SS041-G1	8/30/2011	1350	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-G1-6	SS041-G1	8/30/2011	1404	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-G5-6	SS041-G5	9/24/2011	1550	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS041-L-12	SS041-L	8/23/2011	840	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS041-L-6	SS041-L	8/23/2011	830	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS041-R-12	SS041-R	8/23/2011	845	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS041-R-6	SS041-R	8/23/2011	835	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS042-A0-6	SS042-A0	9/28/2011	1430	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-A1-6	SS042-A1	8/30/2011	1406	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-A4-6	SS042-A4	8/30/2011	1420	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-A5-6	SS042-A5	9/28/2011	1505	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-B0-6	SS042-B0	9/28/2011	1435	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-B1-6	SS042-B1	8/30/2011	1408	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-B4-6	SS042-B4	8/30/2011	1422	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-B5-6	SS042-B5	9/28/2011	1510	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-C0-6	SS042-C0	9/28/2011	1440	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-C1-6	SS042-C1	8/30/2011	1410	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-C4-6	SS042-C4	8/30/2011	1424	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-C5-6	SS042-C5	9/28/2011	1515	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-D0-6	SS042-D0	9/28/2011	1445	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-D1-6	SS042-D1	8/30/2011	1412	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-D4-6	SS042-D4	8/30/2011	1426	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-D5-6	SS042-D5	9/28/2011	1520	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-E0-6	SS042-E0	9/28/2011	1450	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-E1-6	SS042-E1	8/30/2011	1414	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-E4-6	SS042-E4	8/30/2011	1428	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-E5-6	SS042-E5	9/28/2011	1525	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-F0-6	SS042-F0	9/28/2011	1455	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-F1-6	SS042-F1	8/30/2011	1416	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-F4-6	SS042-F4	8/30/2011	1430	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-F5-6	SS042-F5	9/28/2011	1530	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-G0-6	SS042-G0	9/28/2011	1500	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-G1-6	SS042-G1	8/30/2011	1418	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-G1-6	SS042-G1	8/30/2011	1432	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-G5-6	SS042-G5	9/28/2011	1535	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS042-L-12	SS042-L	8/23/2011	900	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS042-L-6	SS042-L	8/23/2011	850	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS042-R-12	SS042-R	8/23/2011	905	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS042-R-6	SS042-R	8/23/2011	855	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS043-L-12	SS043-L	8/23/2011	920	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS043-L-6	SS043-L	8/23/2011	910	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS043-R-12	SS043-R	8/23/2011	925	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS043-R-6	SS043-R	8/23/2011	915	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS044-L-12	SS044-L	8/23/2011	940	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS044-L-6	SS044-L	8/23/2011	930	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS044-R-12	SS044-R	8/23/2011	945	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS044-R-6	SS044-R	8/23/2011	935	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS045-L-12	SS045-L	8/23/2011	1000	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS045-L-6	SS045-L	8/23/2011	950	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS045-R-12	SS045-R	8/23/2011	1005	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS045-R-6	SS045-R	8/23/2011	955	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS046-L-12	SS046-L	8/23/2011	1020	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS046-L-6	SS046-L	8/23/2011	1010	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS046-R-12	SS046-R	8/23/2011	1025	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS046-R-6	SS046-R	8/23/2011	1015	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a

2011 Port Heiden Site Road Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SS047-L-12	SS047-L	8/23/2011	1040	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS047-L-6	SS047-L	8/23/2011	1030	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS047-R-12	SS047-R	8/23/2011	1045	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS047-R-6	SS047-R	8/23/2011	1035	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS048-L-12	SS048-L	8/23/2011	1100	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS048-L-6	SS048-L	8/23/2011	1050	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS048-R-12	SS048-R	8/23/2011	1105	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS048-R-6	SS048-R	8/23/2011	1055	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS049-L-12	SS049-L	8/23/2011	1120	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS049-L-6	SS049-L	8/23/2011	1110	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS049-R-12	SS049-R	8/23/2011	1125	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS049-R-6	SS049-R	8/23/2011	1115	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS050-L-12	SS050-L	8/23/2011	1140	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS050-L-6	SS050-L	8/23/2011	1130	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS050-R-12	SS050-R	8/23/2011	1145	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS050-R-6	SS050-R	8/23/2011	1135	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS051-L-12	SS051-L	8/23/2011	1200	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS051-L-6	SS051-L	8/23/2011	1150	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS051-R-12	SS051-R	8/23/2011	1205	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS051-R-6	SS051-R	8/23/2011	1155	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS052-L-12	SS052-L	8/23/2011	1245	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS052-L-6	SS052-L	8/23/2011	1235	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS052-R-12	SS052-R	8/23/2011	1250	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS052-R-6	SS052-R	8/23/2011	1240	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS053-L-12	SS053-L	8/23/2011	1305	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS053-L-6	SS053-L	8/23/2011	1255	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS053-R-12	SS053-R	8/23/2011	1310	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS053-R-6	SS053-R	8/23/2011	1300	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS054-L-12	SS054-L	8/23/2011	1325	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS054-L-6	SS054-L	8/23/2011	1315	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS054-R-12	SS054-R	8/23/2011	1330	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS054-R-6	SS054-R	8/23/2011	1320	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS055-L-12	SS055-L	8/23/2011	1345	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS055-L-6	SS055-L	8/23/2011	1335	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS055-R-12	SS055-R	8/23/2011	1350	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS055-R-6	SS055-R	8/23/2011	1340	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS056-L-12	SS056-L	8/23/2011	1405	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS056-L-6	SS056-L	8/23/2011	1355	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS056-R-12	SS056-R	8/23/2011	1410	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS056-R-6	SS056-R	8/23/2011	1400	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS057-L-12	SS057-L	8/23/2011	1425	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS057-L-6	SS057-L	8/23/2011	1415	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS057-R-12	SS057-R	8/23/2011	1430	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS057-R-6	SS057-R	8/23/2011	1420	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS058-L-12	SS058-L	8/23/2011	1445	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS058-L-6	SS058-L	8/23/2011	1435	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS058-R-12	SS058-R	8/23/2011	1450	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS058-R-6	SS058-R	8/23/2011	1440	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS059-L-12	SS059-L	8/23/2011	1505	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS059-L-6	SS059-L	8/23/2011	1455	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS059-R-12	SS059-R	8/23/2011	1510	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS059-R-6	SS059-R	8/23/2011	1500	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS060-L-12	SS060-L	8/23/2011	1525	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS060-L-6	SS060-L	8/23/2011	1515	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS060-R-12	SS060-R	8/23/2011	1530	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS060-R-6	SS060-R	8/23/2011	1520	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS061-L-12	SS061-L	8/23/2011	1545	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS061-L-6	SS061-L	8/23/2011	1535	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS061-R-12	SS061-R	8/23/2011	1550	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS061-R-6	SS061-R	8/23/2011	1540	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS062-L-12	SS062-L	8/23/2011	1605	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a

2011 Port Heiden Site Road Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SS062-L-6	SS062-L	8/23/2011	1555	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS062-R-12	SS062-R	8/23/2011	1610	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS062-R-6	SS062-R	8/23/2011	1600	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS063-L-12	SS063-L	8/23/2011	1625	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS063-L-6	SS063-L	8/23/2011	1615	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS063-R-12	SS063-R	8/23/2011	1630	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS063-R-6	SS063-R	8/23/2011	1620	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS064-L-12	SS064-L	8/23/2011	1645	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS064-L-6	SS064-L	8/23/2011	1635	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS064-R-12	SS064-R	8/23/2011	1650	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS064-R-6	SS064-R	8/23/2011	1640	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS065-L-12	SS065-L	8/23/2011	1705	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS065-L-6	SS065-L	8/23/2011	1655	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS065-R-12	SS065-R	8/23/2011	1710	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS065-R-6	SS065-R	8/23/2011	1700	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS066-L-12	SS066-L	8/23/2011	1725	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS066-L-6	SS066-L	8/23/2011	1715	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS066-R-12	SS066-R	8/23/2011	1730	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS066-R-6	SS066-R	8/23/2011	1720	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS067-L-12	SS067-L	8/23/2011	1745	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS067-L-6	SS067-L	8/23/2011	1735	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS067-R-12	SS067-R	8/23/2011	1750	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS067-R-6	SS067-R	8/23/2011	1740	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS068-L-12	SS068-L	8/23/2011	1805	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS068-L-6	SS068-L	8/23/2011	1755	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS068-R-12	SS068-R	8/23/2011	1805	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS068-R-6	SS068-R	8/23/2011	1800	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS069-L-12	SS069-L	8/23/2011	1820	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS069-L-6	SS069-L	8/23/2011	1810	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS069-R-12	SS069-R	8/23/2011	1825	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS069-R-6	SS069-R	8/23/2011	1815	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS070-L-12	SS070-L	8/24/2011	935	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS070-L-6	SS070-L	8/24/2011	925	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS070-R-12	SS070-R	8/24/2011	940	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS070-R-6	SS070-R	8/24/2011	930	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS071-L-12	SS071-L	8/24/2011	955	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS071-L-6	SS071-L	8/24/2011	945	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS071-R-12	SS071-R	8/24/2011	1000	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS071-R-6	SS071-R	8/24/2011	950	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS072-L-12	SS072-L	8/24/2011	1015	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS072-L-6	SS072-L	8/24/2011	1005	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS072-R-12	SS072-R	8/24/2011	1020	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS072-R-6	SS072-R	8/24/2011	1010	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS073-L-12	SS073-L	8/24/2011	1035	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS073-L-6	SS073-L	8/24/2011	1025	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS073-R-12	SS073-R	8/24/2011	1040	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS073-R-6	SS073-R	8/24/2011	1030	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS074-L-12	SS074-L	8/24/2011	1055	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS074-L-6	SS074-L	8/24/2011	1045	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS074-R-12	SS074-R	8/24/2011	1100	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS074-R-6	SS074-R	8/24/2011	1050	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS075-L-12	SS075-L	8/24/2011	1115	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS075-L-6	SS075-L	8/24/2011	1105	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS075-R-12	SS075-R	8/24/2011	1120	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS075-R-6	SS075-R	8/24/2011	1110	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS076-L-12	SS076-L	8/24/2011	1135	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS076-L-6	SS076-L	8/24/2011	1125	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS076-R-12	SS076-R	8/24/2011	1140	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS076-R-6	SS076-R	8/24/2011	1130	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS077-L-12	SS077-L	8/24/2011	1155	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS077-L-6	SS077-L	8/24/2011	1145	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a

Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SS077-R-12	SS077-R	8/24/2011	1200	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS077-R-6	SS077-R	8/24/2011	1150	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS078-L-12	SS078-L	8/24/2011	1235	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS078-L-6	SS078-L	8/24/2011	1230	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS078-R-12	SS078-R	8/24/2011	1240	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS078-R-6	SS078-R	8/24/2011	1245	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS079-L-12	SS079-L	8/24/2011	1300	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS079-L-6	SS079-L	8/24/2011	1250	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS079-R-12	SS079-R	8/24/2011	1305	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS079-R-6	SS079-R	8/24/2011	1255	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS080-L-12	SS080-L	8/24/2011	1320	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS080-L-6	SS080-L	8/24/2011	1310	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS080-R-12	SS080-R	8/24/2011	1325	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS080-R-6	SS080-R	8/24/2011	1315	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS081-L-12	SS081-L	8/24/2011	1340	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS081-L-6	SS081-L	8/24/2011	1330	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS081-R-12	SS081-R	8/24/2011	1345	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS081-R-6	SS081-R	8/24/2011	1335	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS082-L-12	SS082-L	8/24/2011	1400	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS082-L-6	SS082-L	8/24/2011	1350	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS082-R-12	SS082-R	8/24/2011	1450	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS082-R-6	SS082-R	8/24/2011	1355	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS083-A1-6	SS083-A1	8/31/2011	800	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS083-A4-6	SS083-A4	8/31/2011	814	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS083-B1-6	SS083-B1	8/31/2011	802	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS083-B4-6	SS083-B4	8/31/2011	816	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS083-C1-6	SS083-C1	8/31/2011	804	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS083-C4-6	SS083-C4	8/31/2011	818	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS083-D1-6	SS083-D1	8/31/2011	806	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS083-D4-6	SS083-D4	8/31/2011	820	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS083-E1-6	SS083-E1	8/31/2011	808	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS083-E4-6	SS083-E4	8/31/2011	822	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS083-F1-6	SS083-F1	8/31/2011	810	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS083-F4-6	SS083-F4	8/31/2011	824	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS083-G1-6	SS083-G1	8/31/2011	812	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS083-G4-6	SS083-G4	8/31/2011	826	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS083-L-12	SS083-L	8/24/2011	1420	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS083-L-6	SS083-L	8/24/2011	1410	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS083-R-12	SS083-R	8/24/2011	1425	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS083-R-6	SS083-R	8/24/2011	1415	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS084-A1-6	SS084-A1	8/31/2011	828	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS084-A4-6	SS084-A4	8/31/2011	842	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS084-B1-6	SS084-B1	8/31/2011	830	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS084-B4-6	SS084-B4	8/31/2011	844	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS084-C1-6	SS084-C1	8/31/2011	832	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS084-C4-6	SS084-C4	8/31/2011	846	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS084-D1-6	SS084-D1	8/31/2011	834	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS084-D4-6	SS084-D4	8/31/2011	848	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS084-E1-6	SS084-E1	8/31/2011	836	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS084-E4-6	SS084-E4	8/31/2011	850	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS084-F1-6	SS084-F1	8/31/2011	838	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS084-F4-6	SS084-F4	8/31/2011	852	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS084-G1-6	SS084-G1	8/31/2011	840	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS084-G4-6	SS084-G4	8/31/2011	854	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS084-L-12	SS084-L	8/24/2011	1440	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS084-L-6	SS084-L	8/24/2011	1430	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS084-R-12	SS084-R	8/24/2011	1445	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS084-R-6	SS084-R	8/24/2011	1435	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS085-A1-6	SS085-A1	8/31/2011	856	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS085-A4-6	SS085-A4	8/31/2011	910	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS085-B1-6	SS085-B1	8/31/2011	858	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a

**2011 Port Heiden Site Road
Field Sample Summary**

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SS085-B4-6	SS085-B4	8/31/2011	912	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS085-C1-6	SS085-C1	8/31/2011	900	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS085-C4-6	SS085-C4	8/31/2011	914	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS085-D1-6	SS085-D1	8/31/2011	902	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS085-D4-6	SS085-D4	8/31/2011	916	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS085-E1-6	SS085-E1	8/31/2011	904	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS085-E4-6	SS085-E4	8/31/2011	918	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS085-F1-6	SS085-F1	8/31/2011	906	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS085-F4-6	SS085-F4	8/31/2011	920	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS085-G1-6	SS085-G1	8/31/2011	908	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS085-G4-6	SS085-G4	8/31/2011	922	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS085-L-12	SS085-L	8/24/2011	1500	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS085-L-6	SS085-L	8/24/2011	1450	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS085-R-12	SS085-R	8/24/2011	1505	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS085-R-6	SS085-R	8/24/2011	1455	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS086-A0-6	SS086-A0	9/29/2011	1317	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS086-A1-6	SS086-A1	8/31/2011	924	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS086-A4-6	SS086-A4	8/31/2011	938	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS086-A5-6	SS086-A5	9/29/2011	900	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS086-B0-6	SS086-B0	9/29/2011	1319	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS086-B1-6	SS086-B1	8/31/2011	926	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS086-B4-6	SS086-B4	8/31/2011	940	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS086-B5-6	SS086-B5	9/29/2011	902	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS086-C0-6	SS086-C0	9/29/2011	1321	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS086-C1-6	SS086-C1	8/31/2011	928	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS086-C4-6	SS086-C4	8/31/2011	942	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS086-C5-6	SS086-C5	9/29/2011	904	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS086-D0-6	SS086-D0	9/29/2011	1323	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS086-D1-6	SS086-D1	8/31/2011	930	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS086-D4-6	SS086-D4	8/31/2011	944	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS086-D5-6	SS086-D5	9/29/2011	906	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS086-E0-6	SS086-E0	9/29/2011	1325	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS086-E1-6	SS086-E1	8/31/2011	932	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS086-E4-6	SS086-E4	8/31/2011	946	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS086-E5-6	SS086-E5	9/29/2011	908	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS086-F0-6	SS086-F0	9/29/2011	1327	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS086-F1-6	SS086-F1	8/31/2011	934	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS086-F4-6	SS086-F4	8/31/2011	948	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS086-F5-6	SS086-F5	9/29/2011	910	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS086-G0-6	SS086-G0	9/29/2011	1329	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS086-G1-6	SS086-G1	8/31/2011	936	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS086-G4-6	SS086-G4	8/31/2011	950	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS086-G5-6	SS086-G5	9/29/2011	912	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS086-L-12	SS086-L	8/24/2011	1520	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS086-L-6	SS086-L	8/24/2011	1510	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS086-R-12	SS086-R	8/24/2011	1525	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS086-R-6	SS086-R	8/24/2011	1515	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS087-A0-6	SS087-A0	9/29/2011	1331	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS087-A1-6	SS087-A1	8/31/2011	952	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS087-A4-6	SS087-A4	8/31/2011	1006	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS087-A5-6	SS087-A5	9/29/2011	914	CP/CF	2	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS087-B0-6	SS087-B0	9/29/2011	1333	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS087-B1-6	SS087-B1	8/31/2011	954	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS087-B4-6	SS087-B4	8/31/2011	1008	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS087-B5-6	SS087-B5	9/29/2011	916	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS087-C0-6	SS087-C0	9/29/2011	1335	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS087-C1-6	SS087-C1	8/31/2011	956	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS087-C4-6	SS087-C4	8/31/2011	1010	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS087-C5-6	SS087-C5	9/29/2011	918	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS087-D0-6	SS087-D0	9/29/2011	1337	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS087-D1-6	SS087-D1	8/31/2011	958	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a

**2011 Port Heiden Site Road
Field Sample Summary**

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SS087-D4-6	SS087-D4	8/31/2011	1012	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS087-D5-6	SS087-D5	9/29/2011	920	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS087-E0-6	SS087-E0	9/29/2011	1339	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS087-E1-6	SS087-E1	8/31/2011	1000	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS087-E4-6	SS087-E4	8/31/2011	1014	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS087-E5-6	SS087-E5	9/29/2011	922	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS087-F0-6	SS087-F0	9/29/2011	1341	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS087-F1-6	SS087-F1	8/31/2011	1002	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS087-F4-6	SS087-F4	8/31/2011	1016	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS087-F5-6	SS087-F5	9/29/2011	924	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS087-G0-6	SS087-G0	9/29/2011	1343	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS087-G1-6	SS087-G1	8/31/2011	1004	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS087-G4-6	SS087-G4	8/31/2011	1018	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS087-G5-6	SS087-G5	9/29/2011	926	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS087-L-12	SS087-L	8/24/2011	1540	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS087-L-6	SS087-L	8/24/2011	1530	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS087-R-12	SS087-R	8/24/2011	1545	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS087-R-6	SS087-R	8/24/2011	1535	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS088-A0-6	SS088-A0	9/29/2011	1345	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS088-A1-6	SS088-A1	8/31/2011	1020	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS088-A4-6	SS088-A4	8/31/2011	1034	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS088-A5-6	SS088-A5	9/29/2011	928	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS088-B0-6	SS088-B0	9/29/2011	1347	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS088-B1-6	SS088-B1	8/31/2011	1022	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS088-B4-6	SS088-B4	8/31/2011	1036	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS088-B5-6	SS088-B5	9/29/2011	930	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS088-C0-6	SS088-C0	9/29/2011	1349	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS088-C1-6	SS088-C1	8/31/2011	1024	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS088-C4-6	SS088-C4	8/31/2011	1038	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS088-C5-6	SS088-C5	9/29/2011	932	CP/CF	2	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS088-D0-6	SS088-D0	9/29/2011	1351	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS088-D1-6	SS088-D1	8/31/2011	1026	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS088-D4-6	SS088-D4	8/31/2011	1040	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS088-D5-6	SS088-D5	9/29/2011	934	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS088-E0-6	SS088-E0	9/29/2011	1353	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS088-E1-6	SS088-E1	8/31/2011	1028	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS088-E4-6	SS088-E4	8/31/2011	1042	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS088-E5-6	SS088-E5	9/29/2011	936	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS088-F0-6	SS088-F0	9/29/2011	1355	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS088-F1-6	SS088-F1	8/31/2011	1030	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS088-F4-6	SS088-F4	8/31/2011	1044	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS088-F5-6	SS088-F5	9/29/2011	938	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS088-G0-6	SS088-G0	9/29/2011	1357	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS088-G1-6	SS088-G1	8/31/2011	1032	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS088-G4-6	SS088-G4	8/31/2011	1046	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS088-G5-6	SS088-G5	9/29/2011	940	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS088-L-12	SS088-L	8/24/2011	1600	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS088-L-6	SS088-L	8/24/2011	1550	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS088-R-12	SS088-R	8/24/2011	1605	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS088-R-6	SS088-R	8/24/2011	1555	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS089-A0-6	SS089-A0	9/29/2011	1359	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS089-A1-6	SS089-A1	8/31/2011	1300	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS089-A4-6	SS089-A4	8/31/2011	1314	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS089-A5-6	SS089-A5	9/29/2011	942	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS089-B0-6	SS089-B0	9/29/2011	1401	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS089-B1-6	SS089-B1	8/31/2011	1302	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS089-B4-6	SS089-B4	8/31/2011	1316	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS089-B5-6	SS089-B5	9/29/2011	944	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS089-C0-6	SS089-C0	9/29/2011	1403	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS089-C1-6	SS089-C1	8/31/2011	1304	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS089-C4-6	SS089-C4	8/31/2011	1318	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a

**2011 Port Heiden Site Road
Field Sample Summary**

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-SS089-C5-6	SS089-C5	9/29/2011	946	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS089-D0-6	SS089-D0	9/29/2011	1405	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS089-D1-6	SS089-D1	8/31/2011	1306	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS089-D4-6	SS089-D4	8/31/2011	1320	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS089-D5-6	SS089-D5	9/29/2011	948	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS089-E0-6	SS089-E0	9/29/2011	1407	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS089-E1-6	SS089-E1	8/31/2011	1308	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS089-E4-6	SS089-E4	8/31/2011	1322	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS089-E5-6	SS089-E5	9/29/2011	950	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS089-F0-6	SS089-F0	9/29/2011	1409	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS089-F1-6	SS089-F1	8/31/2011	1310	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS089-F4-6	SS089-F4	8/31/2011	1324	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS089-F5-6	SS089-F5	9/29/2011	952	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS089-G0-6	SS089-G0	9/29/2011	1411	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS089-G1-6	SS089-G1	8/31/2011	1312	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS089-G4-6	SS089-G4	8/31/2011	1326	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS089-G5-6	SS089-G5	9/29/2011	954	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS089-L-12	SS089-L	8/24/2011	1620	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS089-L-6	SS089-L	8/24/2011	1610	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS089-R-12	SS089-R	8/24/2011	1625	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS089-R-6	SS089-R	8/24/2011	1615	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS090-A0-6	SS090-A0	9/29/2011	1413	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS090-A1-6	SS090-A1	8/31/2011	1328	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS090-A4-6	SS090-A4	8/31/2011	1342	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS090-A5-6	SS090-A5	9/29/2011	956	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS090-B0-6	SS090-B0	9/29/2011	1415	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS090-B1-6	SS090-B1	8/31/2011	1330	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS090-B4-6	SS090-B4	8/31/2011	1344	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS090-B5-6	SS090-B5	9/29/2011	958	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS090-C0-6	SS090-C0	9/29/2011	1417	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS090-C1-6	SS090-C1	8/31/2011	1332	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS090-C4-6	SS090-C4	8/31/2011	1346	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS090-C5-6	SS090-C5	9/29/2011	1000	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS090-D0-6	SS090-D0	9/29/2011	1419	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS090-D1-6	SS090-D1	8/31/2011	1334	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS090-D4-6	SS090-D4	8/31/2011	1348	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS090-D5-6	SS090-D5	9/29/2011	1002	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS090-E0-6	SS090-E0	9/29/2011	1421	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS090-E1-6	SS090-E1	8/31/2011	1336	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS090-E4-6	SS090-E4	8/31/2011	1350	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS090-E5-6	SS090-E5	9/29/2011	1004	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS090-F0-6	SS090-F0	9/29/2011	1423	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS090-F1-6	SS090-F1	8/31/2011	1338	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS090-F4-6	SS090-F4	8/31/2011	1352	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS090-F5-6	SS090-F5	9/29/2011	1006	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS090-G0-6	SS090-G0	9/29/2011	1425	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS090-G1-6	SS090-G1	8/31/2011	1340	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS090-G4-6	SS090-G4	8/31/2011	1354	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-SS090-G5-6	SS090-G5	9/29/2011	1008	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-SS090-L-12	SS090-L	8/24/2011	1640	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS090-L-6	SS090-L	8/24/2011	1630	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-SS090-R-12	SS090-R	8/24/2011	1645	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	8-point composite	n/a	n/a
11PH-SS090-R-6	SS090-R	8/24/2011	1635	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	8-point composite	n/a	n/a
11PH-ST1-3-10	ST1-3-10	8/26/2011	833	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Waste Characterization	n/a	n/a
11PH-ST1-3-11	ST1-3-11	8/26/2011	835	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Waste Characterization	n/a	n/a
11PH-ST1-3-12	ST1-3-12	8/26/2011	837	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Waste Characterization	n/a	n/a
11PH-TU001-L-100-6	TU001-L-100	9/20/2011	1316	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU001-L-50-12	TU001-L-50	9/1/2011	1605	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU001-L-50-18	TU001-L-50	9/20/2011	1308	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	12	1.5	12-1.5	Tundra Stepout	n/a	n/a
11PH-TU001-L-75-12	TU001-L-75	9/20/2011	1312	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU001-L-75-6	TU001-L-75	9/1/2011	1555	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a

**2011 Port Heiden Site Road
Field Sample Summary**

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-TU001-R-100-6	TU001-R-100	9/20/2011	1304	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU001-R1-A-6	TU001-R1-A	9/30/2011	1830	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	n/a	n/a	n/a
11PH-TU001-R1-B-6	TU001-R1-B	9/30/2011	1831	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	n/a	n/a	n/a
11PH-TU001-R1-C-6	TU001-R1-C	9/30/2011	1832	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	n/a	n/a	n/a
11PH-TU001-R1-D-6	TU001-R1-D	9/30/2011	1833	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	n/a	n/a	n/a
11PH-TU001-R1-E-6	TU001-R1-E	9/30/2011	1834	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	n/a	n/a	n/a
11PH-TU001-R1-F-6	TU001-R1-F	9/30/2011	1835	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	n/a	n/a	n/a
11PH-TU001-R1-G-6	TU001-R1-G	9/30/2011	1836	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	n/a	n/a	n/a
11PH-TU001-R-50-12	TU001-R-50	9/1/2011	1600	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU001-R-75-12	TU001-R-75	9/20/2011	1300	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU001-R-75-6	TU001-R-75	9/1/2011	1550	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU002-L-50-12	TU002-L-50	9/1/2011	1545	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU002-L-50-6	TU002-L-50	8/27/2011	1729	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU002-R-50-12	TU002-R-50	9/1/2011	1540	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU002-R-50-6	TU002-R-50	8/27/2011	1721	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU002-R-75-6	TU002-R-75	9/1/2011	1530	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU003-R-50-6	TU003-R-50	8/27/2011	1718	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU004-L-100-6	TU004-L-100	9/1/2011	1515	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU004-L-125-12	TU004-L-125	9/28/2011	830	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU004-L-125-6	TU004-L-125	9/27/2011	900	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU004-L-150-12	TU004-L-150	9/29/2011	1300	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	n/a	n/a	n/a
11PH-TU004-L-150-6	TU004-L-150	9/28/2011	832	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU004-L-175-12	TU004-L-175	9/30/2011	825	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	n/a	n/a	n/a
11PH-TU004-L-175-6	TU004-L-175	9/29/2011	1350	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	n/a	n/a	n/a
11PH-TU004-L-200-6	TU004-L-200	9/30/2011	824	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	n/a	n/a	n/a
11PH-TU004-L-50-12	TU004-L-50	9/1/2011	1525	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU004-L-50-18	TU004-L-50	9/20/2011	1320	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.5	1-1.5	Tundra Stepout	n/a	n/a
11PH-TU004-L-50-6	TU004-L-50	8/27/2011	1732	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU004-R-50-12	TU004-R-50	9/1/2011	1520	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU004-R-50-6	TU004-R-50	8/27/2011	1715	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU004-R-75-6	TU004-R-75	9/1/2011	1510	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU005-L-100-6	TU005-L-100	9/20/2011	1332	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU005-L-50-12	TU005-L-50	9/1/2011	1505	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU005-L-50-6	TU005-L-50	8/27/2011	1735	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU005-L-75-12	TU005-L-75	9/20/2011	1328	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU005-L-75-6	TU005-L-75	9/1/2011	1455	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU005-R-50-12	TU005-R-50	9/1/2011	1500	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU005-R-50-6	TU005-R-50	8/27/2011	1712	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU005-R-75-6	TU005-R-75	9/1/2011	1450	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU006-L-100-6	TU006-L-100	9/20/2011	1344	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU006-L-50-12	TU006-L-50	9/1/2011	1445	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU006-L-50-18	TU006-L-50	9/20/2011	1336	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.5	1-1.5	Tundra Stepout	n/a	n/a
11PH-TU006-L-50-6	TU006-L-50	8/27/2011	1738	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU006-L-75-12	TU006-L-75	9/20/2011	1340	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU006-L-75-6	TU006-L-75	9/1/2011	1435	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU006-R-50-12	TU006-R-50	9/1/2011	1440	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU006-R-50-6	TU006-R-50	8/27/2011	1709	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU006-R-75-6	TU006-R-75	9/1/2011	1430	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU007-L-50-12	TU007-L-50	9/1/2011	1425	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU007-L-50-18	TU007-L-50	9/20/2011	1354	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	12	1.5	12-1.5	Tundra Stepout	n/a	n/a
11PH-TU007-L-50-6	TU007-L-50	8/27/2011	1741	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU007-L-75-6	TU007-L-75	9/1/2011	1415	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU007-R-100-6	TU007-R-100	9/20/2011	1352	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU007-R-50-12	TU007-R-50	9/1/2011	1420	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU007-R-50-6	TU007-R-50	8/27/2011	1706	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU007-R-75-12	TU007-R-75	9/20/2011	1348	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU007-R-75-6	TU007-R-75	9/1/2011	1410	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU008-L-50-12	TU008-L-50	9/1/2011	1405	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU008-L-50-18	TU008-L-50	9/20/2011	1358	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.5	1-1.5	Tundra Stepout	n/a	n/a
11PH-TU008-L-50-6	TU008-L-50	8/27/2011	1744	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU008-R-50-12	TU008-R-50	9/1/2011	1400	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a

**2011 Port Heiden Site Road
Field Sample Summary**

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-TU008-R-50-6	TU008-R-50	8/27/2011	1703	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU008-R-75-6	TU008-R-75	9/1/2011	1350	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU009-L1-A-6	TU009-L1-A	9/23/2011	1328	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU009-L1-B-6	TU009-L1-B	9/23/2011	1330	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU009-L1-C-6	TU009-L1-C	9/23/2011	1332	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU009-L1-D-6	TU009-L1-D	9/23/2011	1334	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU009-L1-E-6	TU009-L1-E	9/23/2011	1336	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU009-L1-F-6	TU009-L1-F	9/23/2011	1338	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU009-L1-G-6	TU009-L1-G	9/23/2011	1340	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU009-L-50-12	TU009-L-50	9/1/2011	1345	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU009-L-50-6	TU009-L-50	8/27/2011	1747	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU009-R-100-6	TU009-R-100	9/20/2011	1406	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU009-R-50-12	TU009-R-50	9/1/2011	1340	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU009-R-50-6	TU009-R-50	8/27/2011	1700	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU009-R-75-12	TU009-R-75	9/20/2011	1402	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU009-R-75-6	TU009-R-75	9/1/2011	1330	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU010-L1-A-6	TU010-L1-A	9/23/2011	1356	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU010-L1-B-6	TU010-L1-B	9/23/2011	1358	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU010-L1-C-6	TU010-L1-C	9/23/2011	1400	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU010-L1-D-6	TU010-L1-D	9/23/2011	1402	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU010-L1-E-6	TU010-L1-E	9/23/2011	1404	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU010-L1-F-6	TU010-L1-F	9/23/2011	1406	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU010-L1-G-6	TU010-L1-G	9/23/2011	1408	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU010-L-50-12	TU010-L-50	9/1/2011	1325	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU010-L-50-6	TU010-L-50	8/27/2011	1750	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU010-R1-A-6	TU010-R1-A	9/24/2011	914	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU010-R1-B-6	TU010-R1-B	9/24/2011	916	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU010-R1-C-6	TU010-R1-C	9/24/2011	918	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU010-R1-D-6	TU010-R1-D	9/24/2011	920	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU010-R1-E-6	TU010-R1-E	9/24/2011	922	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU010-R1-F-6	TU010-R1-F	9/24/2011	924	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU010-R1-G-6	TU010-R1-G	9/24/2011	926	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU010-R-50-12	TU010-R-50	9/1/2011	1320	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU010-R-50-6	TU010-R-50	8/27/2011	1355	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU010-R-75-6	TU010-R-75	9/1/2011	1310	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU011-L-100-6	TU011-L-100	9/20/2011	1412	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU011-L1-A-6	TU011-L1-A	9/23/2011	1424	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU011-L1-B-6	TU011-L1-B	9/23/2011	1426	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU011-L1-C-6	TU011-L1-C	9/23/2011	1428	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU011-L1-D-6	TU011-L1-D	9/23/2011	1430	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU011-L1-E-6	TU011-L1-E	9/23/2011	1432	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU011-L1-F-6	TU011-L1-F	9/23/2011	1434	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU011-L1-G-6	TU011-L1-G	9/23/2011	1436	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU011-L2-A-6	TU011-L2-A	9/28/2011	900	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU011-L2-B-6	TU011-L2-B	9/28/2011	904	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU011-L2-C-6	TU011-L2-C	9/28/2011	908	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU011-L2-D-6	TU011-L2-D	9/27/2011	1620	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU011-L2-E-6	TU011-L2-E	9/28/2011	912	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU011-L2-F-6	TU011-L2-F	9/28/2011	916	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU011-L2-G-6	TU011-L2-G	9/28/2011	920	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU011-L3-D-6	TU011-L3-D	9/29/2011	1610	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU011-L3-G-6	TU011-L3-G	10/3/2011	1030	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU011-L4-D-6	TU011-L4-D	9/27/2011	1625	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU011-L-50-12	TU011-L-50	9/1/2011	1350	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU011-L-50-6	TU011-L-50	8/27/2011	1400	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU011-L-75-12	TU011-L-75	9/20/2011	1410	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU011-L-75-6	TU011-L-75	9/1/2011	1150	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU011-R1-A-6	TU011-R1-A	9/23/2011	914	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU011-R1-B-6	TU011-R1-B	9/23/2011	916	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU011-R1-C-6	TU011-R1-C	9/23/2011	918	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU011-R1-D-6	TU011-R1-D	9/23/2011	920	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a

**2011 Port Heiden Site Road
Field Sample Summary**

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-TU011-R1-E-6	TU011-R1-E	9/23/2011	922	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU011-R1-F-6	TU011-R1-F	9/23/2011	924	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU011-R1-G-6	TU011-R1-G	9/23/2011	926	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU011-R-50-12	TU011-R-50	9/1/2011	1300	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU011-R-50-6	TU011-R-50	8/27/2011	1350	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU011-R-75-6	TU011-R-75	9/1/2011	1148	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU012-L-100-12	TU012-L-100	9/27/2011	905	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU012-L-100-6	TU012-L-100	9/20/2011	1426	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU012-L-125-6	TU012-L-12	9/27/2011	910	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU012-L1-A-6	TU012-L1-A	9/23/2011	1452	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU012-L1-B-6	TU012-L1-B	9/23/2011	1454	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU012-L1-C-6	TU012-L1-C	9/23/2011	1456	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU012-L1-D-6	TU012-L1-D	9/23/2011	1458	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU012-L1-E-6	TU012-L1-E	9/23/2011	1500	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU012-L1-F-6	TU012-L1-F	9/23/2011	1502	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU012-L1-G-6	TU012-L1-G	9/23/2011	1504	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU012-L2-A-6	TU012-L2-A	9/29/2011	1615	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU012-L2-B-6	TU012-L2-B	10/1/2011	1637	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU012-L2-C-6	TU012-L2-C	9/29/2011	1620	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU012-L2-D-6	TU012-L2-D	9/27/2011	1635	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU012-L2-E-6	TU012-L2-E	9/29/2011	1625	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU012-L2-F-6	TU012-L2-F	10/1/2011	1638	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU012-L2-F-6	TU012-L2-F	10/3/2011	1035	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU012-L3-A-6	TU012-L3-A	10/1/2011	1639	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU012-L3-B-6	TU012-L3-B	10/3/2011	1040	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU012-L3-C-6	TU012-L3-C	10/1/2011	1640	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU012-L3-D-6	TU012-L3-D	9/29/2011	1630	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU012-L3-E-6	TU012-L3-E	10/1/2011	1641	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU012-L3-F-6	TU012-L3-F	10/3/2011	1045	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU012-L4-A-6	TU012-L4-A	10/3/2011	1049	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU012-L4-C-6	TU012-L4-C	10/3/2011	1052	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU012-L4-D-6	TU012-L4-D	9/27/2011	1630	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU012-L4-E-6	TU012-L4-E	10/3/2011	1055	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU012-L-50-12	TU012-L-50	9/1/2011	1146	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU012-L-50-18	TU012-L-50	9/20/2011	1418	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.5	1-1.5	Tundra Stepout	n/a	n/a
11PH-TU012-L-50-6	TU012-L-50	8/27/2011	1405	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU012-L-75-12	TU012-L-75	9/20/2011	1422	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU012-L-75-6	TU012-L-75	9/1/2011	1144	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU012-R1-A-6	TU012-R1-A	9/23/2011	928	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU012-R1-B-6	TU012-R1-B	9/23/2011	930	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU012-R1-C-6	TU012-R1-C	9/23/2011	932	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU012-R1-D-6	TU012-R1-D	9/23/2011	934	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU012-R1-E-6	TU012-R1-E	9/23/2011	936	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU012-R1-F-6	TU012-R1-F	9/23/2011	938	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU012-R1-G-6	TU012-R1-G	9/23/2011	940	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU012-R-50-6	TU012-R-50	8/27/2011	1345	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU013-L1-A-6	TU013-L1-A	9/23/2011	1520	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU013-L1-B-6	TU013-L1-B	9/23/2011	1522	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU013-L1-C-6	TU013-L1-C	9/23/2011	1524	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU013-L1-D-6	TU013-L1-D	9/23/2011	1526	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU013-L1-E-6	TU013-L1-E	9/23/2011	1528	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU013-L1-F-6	TU013-L1-F	9/23/2011	1530	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU013-L1-G-6	TU013-L1-G	9/23/2011	1532	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU013-L2-D-6	TU013-L2-D	9/27/2011	1500	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU013-L2-E-6	TU013-L2-E	10/3/2011	1200	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU013-L2-F-6	TU013-L2-F	10/1/2011	1647	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU013-L2-G-6	TU013-L2-G	9/29/2011	1635	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU013-L3-F-6	TU013-L3-F	10/3/2011	1203	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU013-L3-G-6	TU013-L3-G	10/1/2011	1648	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU013-L-50-12	TU013-L-50	9/1/2011	1142	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU013-L-50-18	TU013-L-50	9/20/2011	1430	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.5	1-1.5	Tundra Stepout	n/a	n/a

**2011 Port Heiden Site Road
Field Sample Summary**

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-TU013-L-50-24	TU013-L-50	9/27/2011	915	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1.5	2	1.5-2	Tundra Stepout	n/a	n/a
11PH-TU013-L-50-6	TU013-L-50	8/27/2011	1410	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU013-L-75-6	TU013-L-75	9/1/2011	1138	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU013-R1-A-6	TU013-R1-A	9/23/2011	942	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU013-R1-B-6	TU013-R1-B	9/23/2011	944	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU013-R1-C-6	TU013-R1-C	9/23/2011	946	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU013-R1-D-6	TU013-R1-D	9/23/2011	948	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU013-R1-E-6	TU013-R1-E	9/23/2011	950	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU013-R1-F-6	TU013-R1-F	9/23/2011	952	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU013-R1-G-6	TU013-R1-G	9/23/2011	954	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU013-R2-D-6	TU013-R2-D	9/28/2011	1300	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU013-R-50-12	TU013-R-50	9/1/2011	1140	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU013-R-50-6	TU013-R-50	8/27/2011	1340	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU013-R-75-6	TU013-R-75	9/1/2011	1136	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU014-L-100-12	TU014-L-100	9/27/2011	920.4	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU014-L-100-6	TU014-L-100	9/20/2011	1438	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU014-L-125-6	TU014-L-125	9/27/2011	925	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU014-L1-A-6	TU014-L1-A	9/23/2011	1548	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU014-L1-B-6	TU014-L1-B	9/23/2011	1550	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU014-L1-C-6	TU014-L1-C	9/23/2011	1552	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU014-L1-D-6	TU014-L1-D	9/23/2011	1554	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU014-L1-E-6	TU014-L1-E	9/23/2011	1556	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU014-L1-F-6	TU014-L1-F	9/23/2011	1558	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU014-L1-G-6	TU014-L1-G	9/23/2011	1600	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU014-L2-A-6	TU014-L2-A	9/29/2011	1640	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU014-L2-B-6	TU014-L2-B	10/1/2011	1649	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU014-L2-C-6	TU014-L2-C	10/3/2011	1206	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU014-L2-D-6	TU014-L2-D	9/27/2011	1505	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU014-L2-E-6	TU014-L2-E	9/29/2011	1642	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU014-L2-F-6	TU014-L2-F	9/29/2011	1644	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU014-L3-A-6	TU014-L3-A	10/1/2011	1650	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU014-L3-B-6	TU014-L3-B	10/3/2011	1209	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU014-L4-A-6	TU014-L4-A	10/3/2011	1212	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU014-L-50-12	TU014-L-50	9/1/2011	1134	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU014-L-50-6	TU014-L-50	8/27/2011	1415	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU014-L-75-12	TU014-L-75	9/20/2011	1434	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU014-L-75-6	TU014-L-75	9/1/2011	1132	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU014-R1-A-6	TU014-R1-A	9/23/2011	956	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU014-R1-B-6	TU014-R1-B	9/23/2011	958	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU014-R1-C-6	TU014-R1-C	9/23/2011	1000	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU014-R1-D-6	TU014-R1-D	9/23/2011	1002	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU014-R1-E-6	TU014-R1-E	9/23/2011	1004	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU014-R1-F-6	TU014-R1-F	9/23/2011	1006	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU014-R1-G-6	TU014-R1-G	9/23/2011	1008	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU014-R-50-6	TU014-R-50	8/27/2011	1335	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU015-L-100-6	TU015-L-10	9/20/2011	1452	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU015-L1-A-6	TU015-L1-A	9/23/2011	1616	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU015-L1-B-6	TU015-L1-B	9/23/2011	1618	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU015-L1-C-6	TU015-L1-C	9/23/2011	1620	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU015-L1-D-6	TU015-L1-D	9/23/2011	1622	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU015-L1-E-6	TU015-L1-E	9/23/2011	1624	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU015-L1-F-6	TU015-L1-F	9/23/2011	1626	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU015-L1-G-6	TU015-L1-G	9/23/2011	1628	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU015-L2-A-6	TU015-L2-A	10/1/2011	1632	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU015-L2-D-6	TU015-L2-D	9/27/2011	1510	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU015-L2-F-6	TU015-L2-F	10/3/2011	1215	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU015-L2-G-6	TU015-L2-G	10/1/2011	1633	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU015-L3-G-6	TU015-L3-G	10/3/2011	1217	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU015-L4-D-6	TU015-L4-D	9/28/2011	924	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU015-L-50-12	TU015-L-50	9/1/2011	1130	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU015-L-50-6	TU015-L-50	8/27/2011	1420	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a

**2011 Port Heiden Site Road
Field Sample Summary**

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-TU015-L-75-12	TU015-L-75	9/20/2011	1448	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU015-L-75-6	TU015-L-75	9/1/2011	1126	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU015-R1-A-6	TU015-R1-A	9/23/2011	905	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU015-R1-B-6	TU015-R1-B	9/23/2011	905	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU015-R1-C-6	TU015-R1-C	9/23/2011	905	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU015-R1-D-6	TU015-R1-D	9/23/2011	905	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU015-R1-E-6	TU015-R1-E	9/23/2011	905	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU015-R1-F-6	TU015-R1-F	9/23/2011	905	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU015-R1-G-6	TU015-R1-G	9/23/2011	905	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU015-R2-C-6	TU015-R2-C	9/26/2011	1704	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU015-R-50-12	TU015-R-50	9/1/2011	1128	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU015-R-50-6	TU015-R-50	8/27/2011	1330	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU015-R-75-6	TU015-R-75	9/1/2011	1124	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU016-L-100-12	TU016-L-100	9/27/2011	930.6	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU016-L-100-6	TU016-L-100	9/20/2011	1500	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU016-L-125-6	TU016-L-125	9/27/2011	935.4	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU016-L1-A-6	TU016-L1-A	9/23/2011	1644	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU016-L1-B-6	TU016-L1-B	9/23/2011	1646	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU016-L1-C-6	TU016-L1-C	9/23/2011	1648	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU016-L1-D-6	TU016-L1-D	9/23/2011	1650	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU016-L1-E-6	TU016-L1-E	9/23/2011	1652	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU016-L1-F-6	TU016-L1-F	9/23/2011	1654	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU016-L1-G-6	TU016-L1-G	9/23/2011	1656	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU016-L2-B-6	TU016-L2-B	10/3/2011	1220	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU016-L2-C-6	TU016-L2-C	9/27/2011	1515	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU016-L2-C-6	TU016-L2-C	10/1/2011	1623	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU016-L2-D-6	TU016-L2-D	9/27/2011	1515	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU016-L2-E-6	TU016-L2-E	10/1/2011	1624	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU016-L2-F-6	TU016-L2-F	10/1/2011	1625	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU016-L2-G-6	TU016-L2-G	10/1/2011	1626	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU016-L3-C-6	TU016-L3-C	10/3/2011	1222	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU016-L3-D-6	TU016-L3-D	10/1/2011	1627	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU016-L3-E-6	TU016-L3-E	10/3/2011	1225	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU016-L3-F-6	TU016-L3-F	10/3/2011	1227	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU016-L3-G-6	TU016-L3-G	10/3/2011	1229	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU016-L-50-12	TU016-L-50	9/1/2011	1122	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU016-L-50-6	TU016-L-50	8/27/2011	1425	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU016-L-75-12	TU016-L-75	9/20/2011	1456	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU016-L-75-6	TU016-L-75	9/1/2011	1120	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU016-R1-A-6	TU016-R1-A	9/23/2011	1010	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU016-R1-B-6	TU016-R1-B	9/23/2011	1012	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU016-R1-C-6	TU016-R1-C	9/23/2011	1014	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU016-R1-D-6	TU016-R1-D	9/23/2011	1016	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU016-R1-E-6	TU016-R1-E	9/23/2011	1018	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU016-R1-F-6	TU016-R1-F	9/23/2011	1020	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU016-R1-G-6	TU016-R1-G	9/23/2011	1022	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU016-R-50-6	TU016-R-50	8/27/2011	1325	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU017-L-100-6	TU017-L-10	9/20/2011	1642	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU017-L1-A-6	TU017-L1-A	9/16/2011	845	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L1-B-6	TU017-L1-B	9/16/2011	850	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L1-C-6	TU017-L1-C	9/16/2011	855	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L1-D-6	TU017-L1-D	9/16/2011	900	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L1-E-6	TU017-L1-E	9/16/2011	905	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L1-F-6	TU017-L1-F	9/16/2011	910	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L1-G-6	TU017-L1-G	9/16/2011	915	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L2-A-6	TU017-L2-A	9/16/2011	920	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L2-B-6	TU017-L2-B	9/16/2011	925	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L2-C-6	TU017-L2-C	9/16/2011	930	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L2-D-6	TU017-L2-D	9/16/2011	935	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L2-E-6	TU017-L2-E	9/16/2011	940	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L2-F-6	TU017-L2-F	9/16/2011	945	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a

2011 Port Heiden Site Road Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-TU017-L2-G-6	TU017-L2-G	9/16/2011	950	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L3-A-6	TU017-L3-A	9/16/2011	955	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L3-B-6	TU017-L3-B	9/16/2011	1000	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L3-C-6	TU017-L3-C	9/16/2011	1005	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L3-D-6	TU017-L3-D	9/16/2011	1010	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L3-E-6	TU017-L3-E	9/16/2011	1015	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L3-F-6	TU017-L3-F	9/16/2011	1020	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L3-G-6	TU017-L3-G	9/16/2011	1025	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L4-A-6	TU017-L4-A	9/16/2011	1030	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L4-B-6	TU017-L4-B	9/16/2011	1035	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L4-C-6	TU017-L4-C	9/16/2011	1040	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L4-D-6	TU017-L4-D	9/16/2011	1045	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L4-E-6	TU017-L4-E	9/16/2011	1050	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L4-F-6	TU017-L4-F	9/16/2011	1055	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L4-G-6	TU017-L4-G	9/16/2011	1100	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-L-50-12	TU017-L-50	9/1/2011	1118	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU017-L-50-6	TU017-L-50	8/27/2011	1430	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU017-L-75-12	TU017-L-75	9/20/2011	1638	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU017-L-75-6	TU017-L-75	9/1/2011	1114	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU017-R-100-12	TU017-R-100	9/27/2011	940	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU017-R-100-6	TU017-R-100	9/20/2011	1634	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU017-R-125-6	TU017-R-125	9/27/2011	945	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU017-R1-A-6	TU017-R1-A	9/23/2011	1024	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-R1-B-6	TU017-R1-B	9/23/2011	1026	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-R1-C-6	TU017-R1-C	9/23/2011	1028	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-R1-D-6	TU017-R1-D	9/23/2011	1030	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-R1-E-6	TU017-R1-E	9/23/2011	1032	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-R1-F-6	TU017-R1-F	9/23/2011	1034	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-R1-G-6	TU017-R1-G	9/23/2011	1036	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-R2-D-6	TU017-R2-D	9/28/2011	928	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU017-R-50-12	TU017-R-50	9/1/2011	1116	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU017-R-50-6	TU017-R-50	8/27/2011	1320	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU017-R-75-12	TU017-R-75	9/20/2011	1630	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU017-R-75-6	TU017-R-75	9/1/2011	1112	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU018-L-100-6	TU018-L-100	9/20/2011	1650	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU018-L1-A-6	TU018-L1-A	9/16/2011	1302	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-L1-B-6	TU018-L1-B	9/16/2011	1304	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-L1-C-6	TU018-L1-C	9/16/2011	1306	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-L1-D-6	TU018-L1-D	9/16/2011	1308	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-L1-E-6	TU018-L1-E	9/16/2011	1310	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-L1-F-6	TU018-L1-F	9/16/2011	1312	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-L1-G-6	TU018-L1-G	9/16/2011	1314	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-L2-A-6	TU018-L2-A	9/16/2011	1316	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-L2-B-6	TU018-L2-B	9/16/2011	1318	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-L2-C-6	TU018-L2-C	9/16/2011	1320	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-L2-D-6	TU018-L2-D	9/16/2011	1322	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-L2-E-6	TU018-L2-E	9/16/2011	1324	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-L2-F-6	TU018-L2-F	9/16/2011	1326	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-L2-G-6	TU018-L2-G	9/16/2011	1328	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-L3-A-6	TU018-L3-A	9/16/2011	1330	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-L3-B-6	TU018-L3-B	9/16/2011	1332	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-L3-C-6	TU018-L3-C	9/16/2011	1334	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-L3-D-6	TU018-L3-D	9/16/2011	1336	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-L3-E-6	TU018-L3-E	9/16/2011	1338	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-L3-F-6	TU018-L3-F	9/16/2011	1340	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-L3-G-6	TU018-L3-G	9/16/2011	1342	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-L4-A-6	TU018-L4-A	9/16/2011	1344	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-L-50-12	TU018-L-50	9/1/2011	1110	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU018-L-50-6	TU018-L-50	8/27/2011	1435	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU018-L-75-12	TU018-L-75	9/20/2011	1646	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU018-L-75-6	TU018-L-75	9/1/2011	1108	CP	1	BAG	~ 10 OZ	4 ± 2°	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a

Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-TU018-R1-A-6	TU018-R1-A	9/23/2011	1037	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-R1-B-6	TU018-R1-B	9/23/2011	1038	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-R1-C-6	TU018-R1-C	9/23/2011	1040	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-R1-D-6	TU018-R1-D	9/23/2011	1042	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-R1-E-6	TU018-R1-E	9/23/2011	1044	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-R1-F-6	TU018-R1-F	9/23/2011	1046	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-R1-G-6	TU018-R1-G	9/23/2011	1048	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU018-R-50-6	TU018-R-50	8/27/2011	1315	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	5	0	Tundra Characterization	n/a	n/a
11PH-TU019-L-100-12	TU019-L-10	9/27/2011	950.4	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU019-L-100-6	TU019-L-10	9/20/2011	1658	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU019-L-125-6	TU019-L-12	9/27/2011	955.8	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU019-L1-A-6	TU019-L1-A	9/16/2011	1432	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L1-B-6	TU019-L1-B	9/16/2011	1434	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L1-C-6	TU019-L1-C	9/16/2011	1436	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L1-D-6	TU019-L1-D	9/16/2011	1438	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L1-E-6	TU019-L1-E	9/16/2011	1440	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L1-F-6	TU019-L1-F	9/16/2011	1442	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L1-G-6	TU019-L1-G	9/16/2011	1444	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L2-A-6	TU019-L2-A	9/16/2011	1446	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L2-B-6	TU019-L2-B	9/16/2011	1448	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L2-C-6	TU019-L2-C	9/16/2011	1450	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L2-D-6	TU019-L2-D	9/16/2011	1452	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L2-E-6	TU019-L2-E	9/16/2011	1454	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L2-F-6	TU019-L2-F	9/16/2011	1456	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L2-G-6	TU019-L2-G	9/16/2011	1458	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L3-A-6	TU019-L3-A	9/16/2011	1500	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L3-B-6	TU019-L3-B	9/16/2011	1502	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L3-C-6	TU019-L3-C	9/16/2011	1504	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L3-D-6	TU019-L3-D	9/16/2011	1506	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L3-E-6	TU019-L3-E	9/16/2011	1508	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L3-F-6	TU019-L3-F	9/16/2011	1510	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L3-G-6	TU019-L3-G	9/16/2011	1512	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L4-B-6	TU019-L4-B	9/16/2011	1514	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L4-C-6	TU019-L4-C	9/16/2011	1516	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L4-D-6	TU019-L4-D	9/16/2011	1518	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L4-E-6	TU019-L4-E	9/16/2011	1520	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L4-F-6	TU019-L4-F	9/16/2011	1522	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L4-G-6	TU019-L4-G	9/16/2011	1524	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-L-50-12	TU019-L-50	9/1/2011	1106	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU019-L-50-6	TU019-L-50	8/27/2011	1440	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU019-L-75-12	TU019-L-75	9/20/2011	1654	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU019-L-75-6	TU019-L-75	9/1/2011	1104	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU019-R1-A-6	TU019-R1-A	9/23/2011	1050	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-R1-B-6	TU019-R1-B	9/23/2011	1052	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-R1-C-6	TU019-R1-C	9/23/2011	1054	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-R1-D-6	TU019-R1-D	9/23/2011	1056	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-R1-E-6	TU019-R1-E	9/23/2011	1058	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-R1-F-6	TU019-R1-F	9/23/2011	1100	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-R1-G-6	TU019-R1-G	9/23/2011	1102	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU019-R-50-6	TU019-R-50	8/27/2011	1310	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU020-L1-A-6	TU020-L1-A	9/16/2011	1645	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-L1-B-6	TU020-L1-B	9/16/2011	1650	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-L1-C-6	TU020-L1-C	9/16/2011	1655	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-L1-D-6	TU020-L1-D	9/16/2011	1700	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-L1-E-6	TU020-L1-E	9/16/2011	1705	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-L1-F-6	TU020-L1-F	9/16/2011	1710	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-L1-G-6	TU020-L1-G	9/16/2011	1715	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-L2-A-6	TU020-L2-A	9/16/2011	1720	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-L2-B-6	TU020-L2-B	9/16/2011	1725	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-L2-C-6	TU020-L2-C	9/16/2011	1730	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-L2-D-6	TU020-L2-D	9/16/2011	1735	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a

2011 Port Heiden Site Road Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-TU020-L2-E-6	TU020-L2-E	9/16/2011	1740	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-L2-F-6	TU020-L2-F	9/16/2011	1745	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-L2-G-6	TU020-L2-G	9/16/2011	1750	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-L3-A-6	TU020-L3-A	9/16/2011	1755	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-L3-B-6	TU020-L3-B	9/16/2011	1800	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-L3-C-6	TU020-L3-C	9/16/2011	1805	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-L3-D-6	TU020-L3-D	9/16/2011	1810	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-L3-E-6	TU020-L3-E	9/16/2011	1815	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-L3-F-6	TU020-L3-F	9/16/2011	1820	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-L4-A-6	TU020-L4-A	9/16/2011	1825	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-L4-B-6	TU020-L4-B	9/16/2011	1830	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-L4-C-6	TU020-L4-C	9/16/2011	1835	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-L4-D-6	TU020-L4-D	9/16/2011	1840	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-L4-E-6	TU020-L4-E	9/16/2011	1845	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-L-50-12	TU020-L-50	9/1/2011	1102	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU020-L-50-6	TU020-L-50	8/27/2011	1445	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU020-L-75-12	TU020-L-75	9/20/2011	1700	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU020-L-75-6	TU020-L-75	9/1/2011	1058	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU020-L-75-6	TU020-L-75	9/20/2011	1704	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU020-R1-A-6	TU020-R1-A	9/23/2011	1104	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-R1-B-6	TU020-R1-B	9/23/2011	1106	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-R1-C-6	TU020-R1-C	9/23/2011	1108	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-R1-D-6	TU020-R1-D	9/23/2011	1110	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-R1-E-6	TU020-R1-E	9/23/2011	1112	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-R1-F-6	TU020-R1-F	9/23/2011	1114	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-R1-G-6	TU020-R1-G	9/23/2011	1116	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU020-R-50-12	TU020-R-50	9/1/2011	1100	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU020-R-50-6	TU020-R-50	8/27/2011	1305	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU020-R-75-6	TU020-R-75	9/1/2011	1056	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU021-L1-A-6	TU021-L1-A	9/17/2011	844	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU021-L1-B-6	TU021-L1-B	9/17/2011	846	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU021-L1-C-6	TU021-L1-C	9/17/2011	848	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU021-L1-D-6	TU021-L1-D	9/17/2011	848	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU021-L1-E-6	TU021-L1-E	9/17/2011	850	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU021-L1-F-6	TU021-L1-F	9/17/2011	852	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU021-L1-G-6	TU021-L1-G	9/17/2011	854	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU021-L2-A-6	TU021-L2-A	9/27/2011	1525	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU021-L2-B-6	TU021-L2-B	9/17/2011	856	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU021-L2-C-6	TU021-L2-C	9/17/2011	858	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU021-L2-D-6	TU021-L2-D	9/17/2011	900	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU021-L2-E-6	TU021-L2-E	9/17/2011	902	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU021-L2-F-6	TU021-L2-F	9/27/2011	1540	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU021-L2-G-6	TU021-L2-G	9/27/2011	1545	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU021-L3-C-6	TU021-L3-C	9/17/2011	904	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU021-L3-D-6	TU021-L3-D	9/17/2011	906	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU021-L3-E-6	TU021-L3-E	9/17/2011	908	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU021-L-50-12	TU021-L-50	9/1/2011	1054	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU021-L-50-6	TU021-L-50	8/27/2011	1150	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU021-L-75-6	TU021-L-75	9/1/2011	1052	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU021-R1-A-6	TU021-R1-A	9/23/2011	1118	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU021-R1-B-6	TU021-R1-B	9/23/2011	1120	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU021-R1-C-6	TU021-R1-C	9/23/2011	1122	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU021-R1-D-6	TU021-R1-D	9/23/2011	1124	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU021-R1-E-6	TU021-R1-E	9/23/2011	1126	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU021-R1-F-6	TU021-R1-F	9/23/2011	1128	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU021-R1-G-6	TU021-R1-G	9/23/2011	1130	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU021-R-50-6	TU021-R-50	8/27/2011	1145	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU022-L-100-6	TU022-L-10	9/20/2011	1712	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU022-L1-A-6	TU022-L1-A	9/17/2011	1000	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-L1-B-6	TU022-L1-B	9/17/2011	1002	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-L1-C-6	TU022-L1-C	9/17/2011	1004	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a

2011 Port Heiden Site Road Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-TU022-L1-D-6	TU022-L1-D	9/17/2011	1006	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-L1-E-6	TU022-L1-E	9/17/2011	1008	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-L1-F-6	TU022-L1-F	9/17/2011	1010	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-L2-A-6	TU022-L2-A	9/27/2011	1530	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-L2-B-6	TU022-L2-B	9/17/2011	1014	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-L2-C-6	TU022-L2-C	9/17/2011	1016	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-L2-D-6	TU022-L2-D	9/17/2011	1018	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-L2-E-6	TU022-L2-E	9/17/2011	1020	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-L2-F-6	TU022-L2-F	9/17/2011	1022	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-L2-G-6	TU022-L2-G	9/17/2011	1024	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-L3-B-6	TU022-L3-B	9/27/2011	1535	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-L3-C-6	TU022-L3-C	9/17/2011	1026	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-L3-D-6	TU022-L3-D	9/17/2011	1028	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-L3-E-6	TU022-L3-E	9/17/2011	1030	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-L3-F-6	TU022-L3-F	9/17/2011	1032	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-L4-C-6	TU022-L4-C	9/17/2011	1034	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-L4-D-6	TU022-L4-D	9/17/2011	1036	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-L4-E-6	TU022-L4-E	9/17/2011	1038	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-L-50-12	TU022-L-50	9/1/2011	1050	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU022-L-50-6	TU022-L-50	8/27/2011	1155	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU022-L-75-12	TU022-L-75	9/20/2011	1708	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU022-L-75-6	TU022-L-75	9/1/2011	1048	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU022-R1-A-6	TU022-R1-A	9/22/2011	1550	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-R1-B-6	TU022-R1-B	9/22/2011	1552	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-R1-C-6	TU022-R1-C	9/22/2011	1554	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-R1-D-6	TU022-R1-D	9/22/2011	1556	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-R1-E-6	TU022-R1-E	9/22/2011	1558	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-R1-F-6	TU022-R1-F	9/22/2011	1600	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-R1-G-6	TU022-R1-G	9/22/2011	1602	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU022-R-50-6	TU022-R-50	8/27/2011	1140	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU023-L2-A-6	TU023-L2-A	9/27/2011	1550	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU023-L2-B-6	TU023-L2-B	9/27/2011	1555	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU023-L2-C-6	TU023-L2-C	9/17/2011	1128	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU023-L2-D-6	TU023-L2-D	9/17/2011	1130	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU023-L2-E-6	TU023-L2-E	9/17/2011	1132	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU023-L2-F-6	TU023-L2-F	9/17/2011	1134	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU023-L2-G-6	TU023-L2-G	9/17/2011	1136	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU023-L3-B-6	TU023-L3-B	9/29/2011	1646	CP/CF	2	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU023-L3-C-6	TU023-L3-C	9/27/2011	1600	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU023-L3-D-6	TU023-L3-D	9/17/2011	1138	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU023-L3-E-6	TU023-L3-E	9/27/2011	1605	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU023-L3-F-6	TU023-L3-F	9/27/2011	1610	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU023-L3-G-6	TU023-L3-G	9/27/2011	1615	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU023-L-50-6	TU023-L-50	8/27/2011	1200	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU023-L-75-6	TU023-L-75	9/1/2011	1042	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU023-R1-A-6	TU023-R1-A	9/22/2011	1618	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU023-R1-B-6	TU023-R1-B	9/22/2011	1620	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU023-R1-C-6	TU023-R1-C	9/22/2011	1622	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU023-R1-D-6	TU023-R1-D	9/22/2011	1624	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU023-R1-E-6	TU023-R1-E	9/22/2011	1626	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU023-R1-F-6	TU023-R1-F	9/22/2011	1628	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU023-R1-G-6	TU023-R1-G	9/22/2011	1630	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU023-R-50-12	TU023-R-50	9/1/2011	1044	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU023-R-50-6	TU023-R-50	8/27/2011	1135	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU023-R-75-6	TU023-R-75	9/1/2011	1040	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU024-L1-G-6	TU024-L1-G	9/17/2011	1256	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU024-L2-A-6	TU024-L2-A	9/17/2011	1258	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU024-L2-B-6	TU024-L2-B	9/17/2011	1300	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU024-L2-C-6	TU024-L2-C	9/17/2011	1302	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU024-L2-D-6	TU024-L2-D	9/17/2011	1304	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU024-L2-E-6	TU024-L2-E	9/17/2011	1306	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a

**2011 Port Heiden Site Road
Field Sample Summary**

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-TU024-L2-F-6	TU024-L2-F	9/17/2011	1308	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU024-L2-G-6	TU024-L2-G	9/17/2011	1310	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU024-L3-B-6	TU024-L3-B	9/29/2011	1654	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU024-L3-D-6	TU024-L3-D	9/17/2011	1312	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU024-L3-E-6	TU024-L3-E	9/28/2011	940	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU024-L3-F-6	TU024-L3-F	9/28/2011	944	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU024-L3-G-6	TU024-L3-G	9/28/2011	948	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU024-L4-A-6	TU024-L4-A	9/29/2011	1656	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU024-L4-C-6	TU024-L4-C	9/29/2011	1658	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU024-L4-E-6	TU024-L4-E	9/29/2011	1700	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU024-L4-F-6	TU024-L4-F	9/29/2011	1702	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU024-L4-G-6	TU024-L4-G	9/29/2011	1704	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU024-L-50-12	TU024-L-50	9/1/2011	1038	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU024-L-50-6	TU024-L-50	8/27/2011	1230	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU024-L-75-6	TU024-L-75	9/1/2011	1034	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU024-R-100-6	TU024-R-10	9/20/2011	1720	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU024-R1-A-6	TU024-R1-A	9/22/2011	1646	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-TU024-R1-B-6	TU024-R1-B	9/22/2011	1648	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-TU024-R1-C-6	TU024-R1-C	9/22/2011	1650	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-TU024-R1-D-6	TU024-R1-D	9/22/2011	1652	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-TU024-R1-E-6	TU024-R1-E	9/22/2011	1654	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU024-R1-F-6	TU024-R1-F	9/22/2011	1656	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU024-R1-G-6	TU024-R1-G	9/22/2011	1658	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-TU024-R2-D-6	TU024-R2-D	9/26/2011	1700	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU024-R2-E-6	TU024-R2-E	9/26/2011	1705	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU024-R2-F-6	TU024-R2-F	9/26/2011	1706	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU024-R-50-12	TU024-R-50	9/1/2011	1036	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU024-R-50-6	TU024-R-50	8/27/2011	1130	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU024-R-75-12	TU024-R-75	9/20/2011	1716	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU024-R-75-6	TU024-R-75	9/1/2011	1032	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU025-L-100-12	TU025-L-10	9/27/2011	1000	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU025-L-100-6	TU025-L-10	9/20/2011	1736	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU025-L-125-6	TU025-L-12	9/27/2011	1005	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU025-L1-A-6	TU025-L1-A	9/17/2011	1430	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU025-L1-B-6	TU025-L1-B	9/17/2011	1432	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU025-L1-C-6	TU025-L1-C	9/17/2011	1434	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU025-L1-D-6	TU025-L1-D	9/17/2011	1436	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU025-L1-E-6	TU025-L1-E	9/17/2011	1438	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU025-L1-F-6	TU025-L1-F	9/17/2011	1440	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU025-L1-G-6	TU025-L1-G	9/17/2011	1442	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU025-L2-A-6	TU025-L2-A	9/17/2011	1444	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU025-L2-B-6	TU025-L2-B	9/17/2011	1446	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU025-L2-C-6	TU025-L2-C	9/17/2011	1448	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU025-L2-D-6	TU025-L2-D	9/17/2011	1450	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU025-L2-E-6	TU025-L2-E	9/17/2011	1452	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU025-L2-F-6	TU025-L2-F	9/17/2011	1454	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU025-L2-G-6	TU025-L2-G	9/17/2011	1456	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU025-L3-A-6	TU025-L3-A	9/28/2011	952	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU025-L3-B-6	TU025-L3-B	9/17/2011	1458	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU025-L3-D-6	TU025-L3-D	9/17/2011	1502	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU025-L3-E-6	TU025-L3-E	9/17/2011	1504	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU025-L-50-12	TU025-L-50	9/1/2011	1030	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU025-L-50-6	TU025-L-50	8/27/2011	1235	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU025-L-75-12	TU025-L-75	9/20/2011	1732	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU025-L-75-6	TU025-L-75	9/1/2011	1026	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU025-R-100-6	TU025-R-10	9/20/2011	1728	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU025-R1-A-6	TU025-R1-A	9/22/2011	1704	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU025-R1-B-6	TU025-R1-B	9/22/2011	1706	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU025-R1-C-6	TU025-R1-C	9/22/2011	1708	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU025-R1-D-6	TU025-R1-D	9/22/2011	1710	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-TU025-R1-E-6	TU025-R1-E	9/22/2011	1712	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a

**2011 Port Heiden Site Road
Field Sample Summary**

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-TU025-R1-F-6	TU025-R1-F	9/22/2011	1714	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-TU025-R1-G-6	TU025-R1-G	9/22/2011	1716	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Shoulder Characterization	n/a	n/a
11PH-TU025-R2-C-6	TU025-R2-C	9/26/2011	1708	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU025-R2-D-6	TU025-R2-D	9/26/2011	1710	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU025-R4-D-6	TU025-R4-D	9/26/2011	1711	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU025-R-50-12	TU025-R-50	9/1/2011	1028	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU025-R-50-6	TU025-R-50	8/27/2011	1125	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU025-R-75-12	TU025-R-75	9/20/2011	1724	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU025-R-75-6	TU025-R-75	9/1/2011	1024	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU026-L-100-6	TU026-L-10	9/20/2011	1752	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU026-L1-A-6	TU026-L1-A	9/17/2011	1630	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-L1-B-6	TU026-L1-B	9/17/2011	1635	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-L1-C-6	TU026-L1-C	9/17/2011	1640	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-L1-D-6	TU026-L1-D	9/17/2011	1645	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-L1-E-6	TU026-L1-E	9/17/2011	1650	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-L1-F-6	TU026-L1-F	9/17/2011	1655	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-L1-G-6	TU026-L1-G	9/17/2011	1700	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-L2-A-6	TU026-L2-A	9/17/2011	1705	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-L2-B-6	TU026-L2-B	9/17/2011	1710	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-L2-C-6	TU026-L2-C	9/17/2011	1715	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-L2-D-6	TU026-L2-D	9/17/2011	1720	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-L2-E-6	TU026-L2-E	9/17/2011	1725	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-L2-F-6	TU026-L2-F	9/17/2011	1730	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-L3-A-6	TU026-L3-A	9/17/2011	1740	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-L3-B-6	TU026-L3-B	9/17/2011	1742	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-L3-C-6	TU026-L3-C	9/17/2011	1744	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-L3-D-6	TU026-L3-D	9/17/2011	1746	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-L3-E-6	TU026-L3-E	9/17/2011	1748	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-L3-F-6	TU026-L3-F	9/17/2011	1750	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-L3-G-6	TU026-L3-G	9/17/2011	1752	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-L4-B-6	TU026-L4-B	9/29/2011	1648	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU026-L4-C-6	TU026-L4-C	9/17/2011	1754	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-L4-C-6	TU026-L4-C	10/1/2011	1615	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU026-L4-D-6	TU026-L4-D	9/17/2011	1756	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-L4-D-6	TU026-L4-D	10/1/2011	1616	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU026-L-50-12	TU026-L-50	9/1/2011	1022	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU026-L-50-6	TU026-L-50	8/27/2011	1240	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU026-L-75-12	TU026-L-75	9/20/2011	1748	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU026-L-75-6	TU026-L-75	9/1/2011	1018	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU026-R-100-6	TU026-R-10	9/20/2011	1744	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU026-R1-A-6	TU026-R1-A	9/22/2011	1300	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-R1-B-6	TU026-R1-B	9/22/2011	1302	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-R1-C-6	TU026-R1-C	9/22/2011	1304	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-R1-D-6	TU026-R1-D	9/22/2011	1306	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-R1-E-6	TU026-R1-E	9/22/2011	1308	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-R1-F-6	TU026-R1-F	9/22/2011	1310	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-R1-G-6	TU026-R1-G	9/22/2011	1312	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-R2-A-6	TU026-R2-A	10/3/2011	1235	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU026-R2-B-6	TU026-R2-B	10/1/2011	1611	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU026-R2-C-6	TU026-R2-C	9/29/2011	1650	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU026-R2-D-6	TU026-R2-D	9/26/2011	1712	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-R2-E-6	TU026-R2-E	9/29/2011	1652	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU026-R2-F-6	TU026-R2-F	10/1/2011	1612	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU026-R2-G-6	TU026-R2-G	9/26/2011	1714	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-R3-B-6	TU026-R3-B	10/3/2011	1237	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU026-R3-C-6	TU026-R3-C	10/1/2011	1613	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU026-R3-D-6	TU026-R3-D	9/29/2011	1654	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU026-R3-E-6	TU026-R3-E	10/1/2011	1614	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU026-R3-F-6	TU026-R3-F	10/3/2011	1240	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU026-R4-D-6	TU026-R4-D	9/26/2011	1716	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU026-R-50-12	TU026-R-50	9/1/2011	1020	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a

2011 Port Heiden Site Road Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-TU026-R-50-6	TU026-R-50	8/27/2011	1120	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU026-R-75-12	TU026-R-75	9/20/2011	1740	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU026-R-75-6	TU026-R-75	9/1/2011	1016	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU027-L-100-12	TU027-L-10	9/27/2011	1010	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU027-L-100-6	TU027-L-10	9/20/2011	1812	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU027-L-125-6	TU027-L-12	9/27/2011	1015	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU027-L-1-A-6	TU027-L-1-A	9/18/2011	814	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-L-1-B-6	TU027-L-1-B	9/18/2011	816	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-L-1-C-6	TU027-L-1-C	9/18/2011	818	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-L-1-D-6	TU027-L-1-D	9/18/2011	820	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-L-1-E-6	TU027-L-1-E	9/18/2011	822	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-L-1-F-6	TU027-L-1-F	9/18/2011	824	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-L-1-G-6	TU027-L-1-G	9/18/2011	826	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-L-2-A-6	TU027-L-2-A	9/18/2011	828	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-L-2-B-6	TU027-L-2-B	9/18/2011	830	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-L-2-C-6	TU027-L-2-C	9/18/2011	832	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-L-2-D-6	TU027-L-2-D	9/18/2011	834	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-L-2-E-6	TU027-L-2-E	9/18/2011	836	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-L-2-F-6	TU027-L-2-F	9/18/2011	838	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-L-2-G-6	TU027-L-2-G	9/18/2011	840	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-L-3-A-6	TU027-L-3-A	9/18/2011	842	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-L-3-B-6	TU027-L-3-B	9/18/2011	844	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-L-3-C-6	TU027-L-3-C	9/18/2011	846	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-L-3-D-6	TU027-L-3-D	9/18/2011	848	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-L-3-E-6	TU027-L-3-E	9/18/2011	850	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-L-3-G-6	TU027-L-3-G	9/18/2011	854	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-L-4-A-6	TU027-L-4-A	9/18/2011	856	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-L-4-D-6	TU027-L-4-D	9/18/2011	902	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-L-50-12	TU027-L-50	9/1/2011	1014	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU027-L-50-6	TU027-L-50	8/27/2011	1245	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU027-L-75-12	TU027-L-75	9/20/2011	1808	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU027-L-75-6	TU027-L-75	9/1/2011	1010	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU027-R-100-6	TU027-R-10	9/20/2011	1804	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU027-R1-A-6	TU027-R1-A	9/22/2011	1320	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-R1-B-6	TU027-R1-B	9/22/2011	1322	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-R1-C-6	TU027-R1-C	9/22/2011	1324	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-R1-D-6	TU027-R1-D	9/22/2011	1326	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-R1-E-6	TU027-R1-E	9/22/2011	1328	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-R1-F-6	TU027-R1-F	9/22/2011	1330	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-R1-G-6	TU027-R1-G	9/22/2011	1332	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-R2-A-6	TU027-R2-A	9/26/2011	1718	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-R2-D-6	TU027-R2-D	9/26/2011	1720	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-R4-D-6	TU027-R4-D	9/26/2011	1722	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU027-R-50-12	TU027-R-50	9/1/2011	1012	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU027-R-50-18	TU027-R-50	9/20/2011	1756	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.5	1-1.5	Tundra Stepout	n/a	n/a
11PH-TU027-R-50-6	TU027-R-50	8/27/2011	1115	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU027-R-75-12	TU027-R-75	9/20/2011	1800	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU027-R-75-6	TU027-R-75	9/1/2011	1008	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU028-L-100-6	TU028-L-10	9/21/2011	906	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU028-L1-A-6	TU028-L1-A	9/18/2011	944	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU028-L1-B-6	TU028-L1-B	9/18/2011	946	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU028-L1-C-6	TU028-L1-C	9/18/2011	948	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU028-L1-D-6	TU028-L1-D	9/18/2011	950	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU028-L1-E-6	TU028-L1-E	9/18/2011	952	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU028-L1-F-6	TU028-L1-F	9/18/2011	954	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU028-L1-G-6	TU028-L1-G	9/18/2011	956	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU028-L2-A-6	TU028-L2-A	9/18/2011	958	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU028-L2-B-6	TU028-L2-B	9/18/2011	1000	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU028-L2-C-6	TU028-L2-C	9/18/2011	1002	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU028-L2-D-6	TU028-L2-D	9/18/2011	1004	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU028-L2-E-6	TU028-L2-E	9/18/2011	1006	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a

**2011 Port Heiden Site Road
Field Sample Summary**

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-TU028-L2-F-6	TU028-L2-F	9/18/2011	1008	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU028-L2-G-6	TU028-L2-G	9/18/2011	1010	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU028-L3-A-6	TU028-L3-A	9/18/2011	1012	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU028-L3-B-6	TU028-L3-B	9/18/2011	1014	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU028-L3-C-6	TU028-L3-C	9/18/2011	1016	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU028-L3-D-6	TU028-L3-D	9/18/2011	1018	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU028-L3-E-6	TU028-L3-E	9/18/2011	1020	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU028-L3-F-6	TU028-L3-F	9/18/2011	1022	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU028-L4-B-6	TU028-L4-B	9/29/2011	1646	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU028-L4-E-6	TU028-L4-E	9/29/2011	1648	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU028-L-50-12	TU028-L-50	9/1/2011	1006	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU028-L-50-6	TU028-L-50	8/27/2011	1250	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU028-L-75-6	TU028-L-75	9/1/2011	1002	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU028-R1-A-6	TU028-R1-A	9/22/2011	1348	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU028-R1-B-6	TU028-R1-B	9/22/2011	1350	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU028-R1-C-6	TU028-R1-C	9/22/2011	1352	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU028-R1-D-6	TU028-R1-D	9/22/2011	1354	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU028-R1-E-6	TU028-R1-E	9/22/2011	1356	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU028-R1-F-6	TU028-R1-F	9/22/2011	1358	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU028-R1-G-6	TU028-R1-G	9/22/2011	1400	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU028-R2-B-6	TU028-R2-B	10/3/2011	1245	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU028-R2-C-6	TU028-R2-C	10/1/2011	1602	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU028-R2-D-6	TU028-R2-D	9/29/2011	1650	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU028-R2-E-6	TU028-R2-E	10/1/2011	1603	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU028-R2-F-6	TU028-R2-F	10/3/2011	1248	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU028-R3-C-6	TU028-R3-C	10/3/2011	1250	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU028-R3-D-6	TU028-R3-D	10/1/2011	1604	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU028-R3-E-6	TU028-R3-E	10/3/2011	1252	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU028-R-50-12	TU028-R-50	9/1/2011	1004	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU028-R-50-6	TU028-R-50	8/27/2011	1110	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU028-R-75-6	TU028-R-75	9/1/2011	1000	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU029-L-100-6	TU029-L-100	9/21/2011	930	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU029-L1-A-6	TU029-L1-A	9/18/2011	1114	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU029-L1-B-6	TU029-L1-B	9/18/2011	1116	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU029-L1-C-6	TU029-L1-C	9/18/2011	1118	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU029-L1-D-6	TU029-L1-D	9/18/2011	1120	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU029-L1-E-6	TU029-L1-E	9/18/2011	1122	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU029-L1-F-6	TU029-L1-F	9/18/2011	1124	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU029-L1-G-6	TU029-L1-G	9/18/2011	1126	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU029-L2-A-6	TU029-L2-A	9/18/2011	1128	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU029-L2-B-6	TU029-L2-B	9/18/2011	1130	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU029-L2-C-6	TU029-L2-C	9/18/2011	1230	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU029-L2-D-6	TU029-L2-D	9/18/2011	1234	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU029-L2-E-6	TU029-L2-E	9/18/2011	1238	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU029-L2-F-6	TU029-L2-F	9/18/2011	1242	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU029-L2-G-6	TU029-L2-G	9/27/2011	1640	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU029-L3-A-6	TU029-L3-A	9/18/2011	1246	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU029-L3-B-6	TU029-L3-B	9/18/2011	1250	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU029-L3-C-6	TU029-L3-C	9/18/2011	1254	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU029-L3-D-6	TU029-L3-D	9/18/2011	1258	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU029-L3-G-6	TU029-L3-G	10/1/2011	1554	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU029-L4-D-6	TU029-L4-D	9/18/2011	1310	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU029-L-50-12	TU029-L-50	9/1/2011	958	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU029-L-50-6	TU029-L-50	8/27/2011	1255	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU029-L-75-12	TU029-L-75	9/21/2011	924	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU029-L-75-6	TU029-L-75	9/1/2011	954	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU029-R-100-6	TU029-R-100	9/21/2011	918	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU029-R1-A-6	TU029-R1-A	9/22/2011	1408	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU029-R1-B-6	TU029-R1-B	9/22/2011	1410	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU029-R1-C-6	TU029-R1-C	9/22/2011	1412	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU029-R1-C-6	TU029-R1-C	9/22/2011	1412	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a

**2011 Port Heiden Site Road
Field Sample Summary**

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-TU029-R1-D-6	TU029-R1-D	9/22/2011	1414	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU029-R1-E-6	TU029-R1-E	9/22/2011	1416	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU029-R1-F-6	TU029-R1-F	9/22/2011	1418	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU029-R1-G-6	TU029-R1-G	9/22/2011	1420	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU029-R2-C-6	TU029-R2-C	10/1/2011	1557	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU029-R2-D-6	TU029-R2-D	9/29/2011	1652	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU029-R2-E-6	TU029-R2-E	10/1/2011	1558	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU029-R2-F-6	TU029-R2-F	10/3/2011	1255	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU029-R3-D-6	TU029-R3-D	10/1/2011	1559	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU029-R3-E-6	TU029-R3-E	10/3/2011	1257	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU029-R-50-12	TU029-R-50	9/1/2011	956	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU029-R-50-6	TU029-R-50	8/27/2011	1105	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU029-R-75-12	TU029-R-75	9/21/2011	912	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU029-R-75-6	TU029-R-75	9/1/2011	952	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU030-L1-A-6	TU030-L1-A	9/18/2011	1428	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU030-L1-B-6	TU030-L1-B	9/18/2011	1432	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU030-L1-C-6	TU030-L1-C	9/18/2011	1436	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU030-L1-D-6	TU030-L1-D	9/18/2011	1440	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU030-L1-E-6	TU030-L1-E	9/18/2011	1444	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU030-L1-F-6	TU030-L1-F	9/18/2011	1448	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU030-L1-G-6	TU030-L1-G	9/18/2011	1452	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU030-L2-A-6	TU030-L2-A	9/27/2011	1645	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU030-L2-A-6	TU030-L2-A	9/29/2011	1706	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU030-L2-B-6	TU030-L2-B	9/27/2011	1650	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU030-L2-B-6	TU030-L2-B	9/29/2011	1708	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU030-L2-C-6	TU030-L2-C	9/27/2011	1655	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU030-L2-C-6	TU030-L2-C	9/29/2011	1710	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU030-L2-D-6	TU030-L2-D	9/27/2011	1700	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU030-L2-E-6	TU030-L2-E	9/27/2011	1705	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU030-L3-A-6	TU030-L3-A	9/30/2011	1150	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU030-L3-A-6	TU030-L3-A	10/1/2011	1553	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU030-L3-B-6	TU030-L3-B	9/30/2011	1152	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU030-L3-C-6	TU030-L3-C	9/30/2011	1154	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU030-L-50-6	TU030-L-50	8/27/2011	1300	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU030-R1-A-6	TU030-R1-A	9/22/2011	1436	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU030-R1-B-6	TU030-R1-B	9/22/2011	1438	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU030-R1-C-6	TU030-R1-C	9/22/2011	1440	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU030-R1-D-6	TU030-R1-D	9/22/2011	1442	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU030-R1-E-6	TU030-R1-E	9/22/2011	1444	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU030-R1-F-6	TU030-R1-F	9/22/2011	1446	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU030-R1-G-6	TU030-R1-G	9/22/2011	1448	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU030-R2-D-6	TU030-R2-D	9/28/2011	1305	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU030-R-50-12	TU030-R-50	9/1/2011	950	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU030-R-50-6	TU030-R-50	8/27/2011	1100	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU030-R-75-6	TU030-R-75	9/1/2011	948	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU031-L1-A-6	TU031-L1-A	9/18/2011	1456	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU031-L1-B-6	TU031-L1-B	9/18/2011	1500	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU031-L1-C-6	TU031-L1-C	9/18/2011	1504	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU031-L1-D-6	TU031-L1-D	9/18/2011	1508	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU031-L1-E-6	TU031-L1-E	9/18/2011	1512	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU031-L1-F-6	TU031-L1-F	9/18/2011	1516	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU031-L1-G-6	TU031-L1-G	9/18/2011	1520	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU031-L2-A-6	TU031-L2-A	9/27/2011	1710	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU031-L2-B-6	TU031-L2-B	9/27/2011	1715	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU031-L2-D-6	TU031-L2-D	9/18/2011	1528	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU031-L2-E-6	TU031-L2-E	9/18/2011	1532	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU031-L2-F-6	TU031-L2-F	9/27/2011	1720	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU031-L2-G-6	TU031-L2-G	9/27/2011	1730	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU031-L-50-12	TU031-L-50	9/1/2011	946	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU031-L-50-6	TU031-L-50	8/27/2011	1615	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU031-L-75-6	TU031-L-75	9/1/2011	944	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a

Field Sample Summary

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-TU031-R1-A-6	TU031-R1-A	9/22/2011	1504	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU031-R1-B-6	TU031-R1-B	9/22/2011	1506	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU031-R1-C-6	TU031-R1-C	9/22/2011	1508	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU031-R1-D-6	TU031-R1-D	9/22/2011	1510	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU031-R1-E-6	TU031-R1-E	9/22/2011	1512	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU031-R1-F-6	TU031-R1-F	9/22/2011	1514	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU031-R1-G-6	TU031-R1-G	9/22/2011	1516	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU031-R-50-6	TU031-R-50	8/27/2011	1450	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU032-L-100-6	TU032-L-10	9/21/2011	942	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU032-L1-A-6	TU032-L1-A	9/18/2011	1600	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU032-L1-B-6	TU032-L1-B	9/18/2011	1604	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU032-L1-C-6	TU032-L1-C	9/18/2011	1608	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU032-L1-D-6	TU032-L1-D	9/18/2011	1612	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU032-L1-E-6	TU032-L1-E	9/18/2011	1616	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU032-L1-F-6	TU032-L1-F	9/18/2011	1620	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU032-L1-G-6	TU032-L1-G	9/18/2011	1624	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU032-L2-A-6	TU032-L2-A	9/27/2011	1725	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU032-L2-B-6	TU032-L2-B	9/18/2011	1628	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU032-L2-C-6	TU032-L2-C	9/18/2011	1632	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU032-L2-D-6	TU032-L2-D	9/18/2011	1636	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU032-L2-E-6	TU032-L2-E	9/18/2011	1640	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU032-L2-F-6	TU032-L2-F	9/18/2011	1644	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU032-L2-G-6	TU032-L2-G	9/18/2011	1648	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU032-L4-D-6	TU032-L4-D	9/18/2011	1704	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU032-L-50-12	TU032-L-50	9/1/2011	942	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU032-L-50-6	TU032-L-50	8/27/2011	1611	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU032-L-75-12	TU032-L-75	9/21/2011	936	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU032-L-75-6	TU032-L-75	9/1/2011	940	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU032-R1-A-6	TU032-R1-A	9/22/2011	1532	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU032-R1-B-6	TU032-R1-B	9/22/2011	1534	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU032-R1-C-6	TU032-R1-C	9/22/2011	1536	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU032-R1-D-6	TU032-R1-D	9/22/2011	1538	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU032-R1-E-6	TU032-R1-E	9/22/2011	1540	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU032-R1-F-6	TU032-R1-F	9/22/2011	1542	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU032-R1-G-6	TU032-R1-G	9/22/2011	1544	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU032-R2-B-6	TU032-R2-B	9/28/2011	1310	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU032-R-50-6	TU032-R-50	8/27/2011	1453	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU033-L1-A-6	TU033-L1-A	9/18/2011	1708	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-L1-B-6	TU033-L1-B	9/18/2011	1710	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-L1-C-6	TU033-L1-C	9/18/2011	1712	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-L1-D-6	TU033-L1-D	9/18/2011	1714	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-L1-E-6	TU033-L1-E	9/18/2011	1716	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-L1-F-6	TU033-L1-F	9/18/2011	1718	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-L1-G-6	TU033-L1-G	9/18/2011	1720	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-L2-A-6	TU033-L2-A	9/18/2011	1722	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-L2-B-6	TU033-L2-B	9/18/2011	1724	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-L2-C-6	TU033-L2-C	9/18/2011	1726	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-L2-D-6	TU033-L2-D	9/18/2011	1728	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-L2-E-6	TU033-L2-E	9/18/2011	1730	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-L2-F-6	TU033-L2-F	9/18/2011	1732	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-L2-G-6	TU033-L2-G	9/18/2011	1734	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-L3-A-6	TU033-L3-A	9/28/2011	956	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-L3-B-6	TU033-L3-B	9/28/2011	1000	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-L3-C-6	TU033-L3-C	9/28/2011	1004	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-L3-D-6	TU033-L3-D	9/18/2011	1736	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-L3-E-6	TU033-L3-E	9/28/2011	1008	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-L3-F-6	TU033-L3-F	9/28/2011	1012	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-L-50-12	TU033-L-50	9/1/2011	938	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU033-L-50-6	TU033-L-50	8/27/2011	1608	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU033-L-75-6	TU033-L-75	9/1/2011	934	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU033-R1-A-6	TU033-R1-A	9/22/2011	1153	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a

**2011 Port Heiden Site Road
Field Sample Summary**

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-TU033-R1-B-6	TU033-R1-B	9/22/2011	1154	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-R1-C-6	TU033-R1-C	9/22/2011	1155	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-R1-D-6	TU033-R1-D	9/22/2011	1156	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-R1-E-6	TU033-R1-E	9/22/2011	1157	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-R1-F-6	TU033-R1-F	9/22/2011	1158	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-R1-G-6	TU033-R1-G	9/22/2011	1159	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-R2-B-6	TU033-R2-B	10/2/2011	1433	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU033-R2-C-6	TU033-R2-C	9/30/2011	1356	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU033-R2-D-6	TU033-R2-D	9/28/2011	1315	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-R2-E-6	TU033-R2-E	9/30/2011	1358	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU033-R2-F-6	TU033-R2-F	9/28/2011	1320	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-R2-G-6	TU033-R2-G	9/28/2011	1325	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU033-R3-C-6	TU033-R3-C	10/2/2011	1434	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU033-R3-D-6	TU033-R3-D	9/30/2011	1400	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU033-R3-E-6	TU033-R3-E	10/2/2011	1435	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU033-R3-F-6	TU033-R3-F	9/30/2011	1402	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU033-R3-G-6	TU033-R3-G	9/30/2011	1404	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU033-R4-E-6	TU033-R4-E	10/3/2011	1300	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU033-R4-F-6	TU033-R4-F	10/2/2011	1436	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU033-R-50-12	TU033-R-50	9/1/2011	936	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU033-R-50-6	TU033-R-50	8/27/2011	1456	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU033-R-75-6	TU033-R-75	9/1/2011	932	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU034-L-100-12	TU034-L-10	9/27/2011	1020	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU034-L-100-6	TU034-L-10	9/21/2011	954	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU034-L-125-6	TU034-L-12	9/27/2011	1025	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU034-L1-A-6	TU034-L1-A	9/18/2011	1738	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU034-L1-B-6	TU034-L1-B	9/18/2011	1740	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU034-L1-C-6	TU034-L1-C	9/18/2011	1742	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU034-L1-D-6	TU034-L1-D	9/18/2011	1744	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU034-L1-E-6	TU034-L1-E	9/18/2011	1746	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU034-L1-F-6	TU034-L1-F	9/18/2011	1748	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU034-L1-G-6	TU034-L1-G	9/18/2011	1750	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU034-L2-A-6	TU034-L2-A	9/18/2011	1752	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU034-L2-B-6	TU034-L2-B	9/18/2011	1754	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU034-L2-C-6	TU034-L2-C	9/18/2011	1756	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU034-L2-D-6	TU034-L2-D	9/18/2011	1758	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU034-L3-A-6	TU034-L3-A	9/28/2011	1016	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU034-L3-B-6	TU034-L3-B	9/28/2011	1020	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU034-L-50-12	TU034-L-50	9/1/2011	930	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU034-L-50-6	TU034-L-50	8/27/2011	1605	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU034-L-75-12	TU034-L-75	9/21/2011	948	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU034-L-75-6	TU034-L-75	9/1/2011	928	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU034-R1-A-6	TU034-R1-A	9/22/2011	1140	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU034-R1-B-6	TU034-R1-B	9/22/2011	1141	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU034-R1-D-6	TU034-R1-D	9/22/2011	1142	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU034-R1-E-6	TU034-R1-E	9/22/2011	1143	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU034-R1-F-6	TU034-R1-F	9/22/2011	1144	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU034-R1-G-6	TU034-R1-G	9/22/2011	1145	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU034-R2-A-6	TU034-R2-A	9/28/2011	1330	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU034-R2-B-6	TU034-R2-B	9/28/2011	1335	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU034-R2-C-6	TU034-R2-C	9/28/2011	1340	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU034-R2-D-6	TU034-R2-D	9/28/2011	1345	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU034-R2-F-6	TU034-R2-F	9/28/2011	1350	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU034-R3-A-6	TU034-R3-A	10/1/2011	1507	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU034-R3-B-6	TU034-R3-B	10/1/2011	1508	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU034-R-50-6	TU034-R-50	8/27/2011	1459	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU035-L1-A-6	TU035-L1-A	9/20/2011	900	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU035-L1-B-6	TU035-L1-B	9/20/2011	904	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU035-L1-C-6	TU035-L1-C	9/20/2011	908	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU035-L1-D-6	TU035-L1-D	9/20/2011	912	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU035-L1-E-6	TU035-L1-E	9/20/2011	916	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	.5	0-6" bgs	Tundra Characterization	n/a	n/a

**2011 Port Heiden Site Road
Field Sample Summary**

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-TU035-L1-F-6	TU035-L1-F	9/20/2011	920	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU035-L1-G-6	TU035-L1-G	9/20/2011	924	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU035-L-50-6	TU035-L-50	8/27/2011	1602	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU035-R-100-6	TU035-R-10	9/21/2011	1006	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU035-R1-A-6	TU035-R1-A	9/22/2011	1052	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU035-R1-B-6	TU035-R1-B	9/22/2011	1054	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU035-R1-C-6	TU035-R1-C	9/22/2011	1056	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU035-R1-D-6	TU035-R1-D	9/22/2011	1058	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU035-R1-E-6	TU035-R1-E	9/22/2011	1100	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU035-R1-F-6	TU035-R1-F	9/22/2011	1102	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU035-R1-G-6	TU035-R1-G	9/22/2011	1104	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU035-R2-D-6	TU035-R2-D	9/22/2011	1108	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU035-R2-D-6	TU035-R2-D	9/22/2011	1108	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU035-R-50-12	TU035-R-50	9/1/2011	926	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU035-R-50-6	TU035-R-50	8/27/2011	1502	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU035-R-75-12	TU035-R-75	9/21/2011	1000	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU035-R-75-6	TU035-R-75	9/1/2011	924	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU036-L1-A-6	TU036-L1-A	9/20/2011	928	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU036-L1-B-6	TU036-L1-B	9/20/2011	932	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU036-L1-C-6	TU036-L1-C	9/20/2011	936	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU036-L1-D-6	TU036-L1-D	9/20/2011	940	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU036-L1-E-6	TU036-L1-E	9/20/2011	944	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU036-L1-F-6	TU036-L1-F	9/20/2011	948	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU036-L1-G-6	TU036-L1-G	9/20/2011	952	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU036-L2-A-6	TU036-L2-A	9/28/2011	1028	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU036-L2-C-6	TU036-L2-C	9/28/2011	1024	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU036-L-50-6	TU036-L-50	8/27/2011	1559	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU036-R1-A-6	TU036-R1-A	9/22/2011	1020	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU036-R1-B-6	TU036-R1-B	9/22/2011	1022	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU036-R1-C-6	TU036-R1-C	9/22/2011	1024	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU036-R1-D-6	TU036-R1-D	9/22/2011	1026	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU036-R1-E-6	TU036-R1-E	9/22/2011	1028	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU036-R1-F-6	TU036-R1-F	9/22/2011	1030	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU036-R1-G-6	TU036-R1-G	9/22/2011	1032	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU036-R2-B-6	TU036-R2-B	9/22/2011	1036	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU036-R2-B-6	TU036-R2-B	9/22/2011	1036	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU036-R2-D-6	TU036-R2-D	9/22/2011	1040	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU036-R2-D-6	TU036-R2-D	9/22/2011	1040	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU036-R-50-12	TU036-R-50	9/1/2011	922	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU036-R-50-6	TU036-R-50	8/27/2011	1505	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU036-R-75-6	TU036-R-75	9/1/2011	920	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU037-L-100-12	TU037-L-10	9/27/2011	1035.4	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU037-L-100-6	TU037-L-10	9/21/2011	1030	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU037-L-125-12	TU037-L-12	9/28/2011	834	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU037-L-125-6	TU037-L-12	9/27/2011	1040	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU037-L-150-6	TU037-L-15	9/28/2011	836	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU037-L1-A-6	TU037-L1-A	9/20/2011	956	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU037-L1-B-6	TU037-L1-B	9/20/2011	1000	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU037-L1-C-6	TU037-L1-C	9/20/2011	1004	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU037-L1-D-6	TU037-L1-D	9/20/2011	1008	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU037-L1-E-6	TU037-L1-E	9/20/2011	1012	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU037-L1-F-6	TU037-L1-F	9/20/2011	1016	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU037-L1-G-6	TU037-L1-G	9/20/2011	1020	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU037-L2-E-6	TU037-L2-E	9/20/2011	1032	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU037-L2-F-6	TU037-L2-F	9/20/2011	1036	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU037-L2-G-6	TU037-L2-G	9/20/2011	1040	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU037-L3-F-6	TU037-L3-F	9/20/2011	1056	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU037-L3-G-6	TU037-L3-G	9/20/2011	1100	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU037-L4-D-6	TU037-L4-D	9/28/2011	1032	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU037-L-50-12	TU037-L-50	9/1/2011	918	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU037-L-50-6	TU037-L-50	8/27/2011	1556	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a

**2011 Port Heiden Site Road
Field Sample Summary**

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-TU037-L-75-12	TU037-L-75	9/21/2011	1024	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU037-L-75-18	TU037-L-75	9/27/2011	1030	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.5	1-1.5	Tundra Stepout	n/a	n/a
11PH-TU037-L-75-6	TU037-L-75	9/1/2011	914	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU037-R1-A-6	TU037-R1-A	9/22/2011	940	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU037-R1-B-6	TU037-R1-B	9/22/2011	945	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU037-R1-C-6	TU037-R1-C	9/22/2011	950	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU037-R1-D-6	TU037-R1-D	9/22/2011	955	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU037-R1-E-6	TU037-R1-E	9/22/2011	1000	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU037-R1-F-6	TU037-R1-F	9/22/2011	1005	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU037-R1-G-6	TU037-R1-G	9/22/2011	1010	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU037-R2-A-6	TU037-R2-A	9/28/2011	1400	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU037-R2-A-6	TU037-R2-A	9/28/2011	1400	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU037-R2-B-6	TU037-R2-B	9/28/2011	1405	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU037-R2-D-6	TU037-R2-D	9/28/2011	1410	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU037-R-50-12	TU037-R-50	9/1/2011	916	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU037-R-50-6	TU037-R-50	8/27/2011	1508	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU037-R-75-12	TU037-R-75	9/21/2011	1012	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU037-R-75-6	TU037-R-75	9/1/2011	912	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU038-L-100-12	TU038-L-10	9/27/2011	1045	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU038-L-100-6	TU038-L-10	9/21/2011	1042	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU038-L-125-12	TU038-L-12	9/28/2011	838	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU038-L-125-6	TU038-L-12	9/27/2011	1050.4	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU038-L-150-6	TU038-L-15	9/28/2011	840	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU038-L1-A-6	TU038-L1-A	9/20/2011	1102	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU038-L1-B-6	TU038-L1-B	9/20/2011	1104	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU038-L1-C-6	TU038-L1-C	9/20/2011	1106	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU038-L1-D-6	TU038-L1-D	9/20/2011	1108	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU038-L1-E-6	TU038-L1-E	9/20/2011	1110	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU038-L1-F-6	TU038-L1-F	9/20/2011	1112	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU038-L1-G-6	TU038-L1-G	9/20/2011	1114	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU038-L2-A-6	TU038-L2-A	9/20/2011	1116	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU038-L2-B-6	TU038-L2-B	9/20/2011	1118	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU038-L2-C-6	TU038-L2-C	9/20/2011	1120	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU038-L2-D-6	TU038-L2-D	9/20/2011	1122	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU038-L2-E-6	TU038-L2-E	9/20/2011	1124	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU038-L2-F-6	TU038-L2-F	9/20/2011	1126	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU038-L2-G-6	TU038-L2-G	9/20/2011	1128	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU038-L3-A-6	TU038-L3-A	9/20/2011	1130	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU038-L3-D-6	TU038-L3-D	9/20/2011	1136	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU038-L3-E-6	TU038-L3-E	9/20/2011	1138	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU038-L3-F-6	TU038-L3-F	9/20/2011	1140	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU038-L3-G-6	TU038-L3-G	9/20/2011	1142	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU038-L4-D-6	TU038-L4-D	9/20/2011	1148	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU038-L4-E-6	TU038-L4-E	9/20/2011	1150	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU038-L4-F-6	TU038-L4-F	9/20/2011	1152	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU038-L4-G-6	TU038-L4-G	9/20/2011	1154	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU038-L-50-12	TU038-L-50	9/1/2011	910	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU038-L-50-6	TU038-L-50	8/27/2011	1553	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU038-L5-D-6	TU038-L5-D	10/3/2011	1308	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	n/a	n/a	n/a
11PH-TU038-L5-E-6	TU038-L5-E	10/2/2011	1421	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	n/a	n/a	n/a
11PH-TU038-L5-F-6	TU038-L5-F	9/30/2011	1427	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	n/a	n/a	n/a
11PH-TU038-L5-G-6	TU038-L5-G	9/30/2011	1422	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	n/a	n/a	n/a
11PH-TU038-L-75-12	TU038-L-75	9/21/2011	1036	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU038-L-75-6	TU038-L-75	9/1/2011	908	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU038-R1-A-6	TU038-R1-A	9/22/2011	900	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU038-R1-G-6	TU038-R1-G	9/22/2011	905	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU038-R-50-6	TU038-R-50	8/27/2011	1511	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU039-L-100-12	TU039-L-10	9/27/2011	1055	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU039-L-100-6	TU039-L-10	9/21/2011	1054	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU039-L-125-6	TU039-L-12	9/27/2011	1100	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU039-L1-A-6	TU039-L1-A	9/24/2011	934	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a

**2011 Port Heiden Site Road
Field Sample Summary**

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-TU039-L1-B-6	TU039-L1-B	9/24/2011	936	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU039-L1-C-6	TU039-L1-C	9/24/2011	938	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU039-L1-D-6	TU039-L1-D	9/24/2011	940	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU039-L1-E-6	TU039-L1-E	9/24/2011	944	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU039-L1-F-6	TU039-L1-F	9/24/2011	948	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU039-L1-G-6	TU039-L1-G	9/24/2011	952	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU039-L2-A-6	TU039-L2-A	9/30/2011	1429	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU039-L2-B-6	TU039-L2-B	9/30/2011	1432	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU039-L2-C-6	TU039-L2-C	9/30/2011	1434	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU039-L2-D-6	TU039-L2-D	9/28/2011	1036	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU039-L2-E-6	TU039-L2-E	9/30/2011	1436	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU039-L2-F-6	TU039-L2-F	9/30/2011	1438	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU039-L2-G-6	TU039-L2-G	9/30/2011	1430	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU039-L3-A-6	TU039-L3-A	10/1/2011	1458	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU039-L3-B-6	TU039-L3-B	10/2/2011	1351	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU039-L3-C-6	TU039-L3-C	10/2/2011	1352	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU039-L3-D-6	TU039-L3-D	10/2/2011	1353	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU039-L3-E-6	TU039-L3-E	10/2/2011	1354	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU039-L3-F-6	TU039-L3-F	10/2/2011	1355	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU039-L3-G-6	TU039-L3-G	10/2/2011	1356	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU039-L4-A-6	TU039-L4-A	10/1/2011	1459	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU039-L4-B-6	TU039-L4-B	10/2/2011	1358	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU039-L4-D-6	TU039-L4-D	9/28/2011	1040	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU039-L4-F-6	TU039-L4-F	10/3/2011	1313	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU039-L4-G-6	TU039-L4-G	10/3/2011	1316	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU039-L-50-12	TU039-L-50	9/1/2011	906	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU039-L-50-6	TU039-L-50	8/27/2011	1550	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU039-L5-A-6	TU039-L5-A	10/2/2011	1358	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU039-L-75-12	TU039-L-75	9/21/2011	1048	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU039-L-75-6	TU039-L-75	9/1/2011	902	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU039-R1-A-6	TU039-R1-A	9/24/2011	1335	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU039-R1-B-6	TU039-R1-B	9/24/2011	1340	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU039-R1-C-6	TU039-R1-C	9/24/2011	1345	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU039-R1-D-6	TU039-R1-D	9/24/2011	1350	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU039-R1-E-6	TU039-R1-E	9/24/2011	1355	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU039-R1-F-6	TU039-R1-F	9/24/2011	1400	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU039-R1-G-6	TU039-R1-G	9/24/2011	1405	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU039-R-50-12	TU039-R-50	9/1/2011	904	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU039-R-50-6	TU039-R-50	8/27/2011	1514	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU039-R-75-6	TU039-R-75	9/1/2011	900	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU040-L-100-6	TU040-L-10	9/21/2011	1106	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU040-L1-A-6	TU040-L1-A	9/24/2011	1008	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU040-L1-B-6	TU040-L1-B	9/24/2011	1010	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU040-L1-C-6	TU040-L1-C	9/24/2011	1012	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU040-L1-D-6	TU040-L1-D	9/24/2011	1014	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU040-L1-E-6	TU040-L1-E	9/24/2011	1016	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU040-L1-F-6	TU040-L1-F	9/24/2011	1018	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU040-L1-G-6	TU040-L1-G	9/24/2011	1020	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU040-L2-A-6	TU040-L2-A	9/30/2011	1510	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU040-L2-B-6	TU040-L2-B	9/30/2011	1513	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU040-L2-C-6	TU040-L2-C	9/30/2011	1516	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU040-L2-D-6	TU040-L2-D	9/28/2011	1040	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU040-L2-E-6	TU040-L2-E	9/30/2011	1519	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU040-L2-F-6	TU040-L2-F	9/30/2011	1522	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU040-L2-G-6	TU040-L2-G	9/30/2011	1525	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU040-L3-A-6	TU040-L3-A	10/3/2011	1322	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU040-L3-F-6	TU040-L3-F	10/2/2011	1331	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU040-L3-G-6	TU040-L3-G	10/2/2011	1332	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU040-L-50-12	TU040-L-50	9/1/2011	858	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Characterization	n/a	n/a
11PH-TU040-L-50-6	TU040-L-50	8/27/2011	1547	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Stepout	n/a	n/a
11PH-TU040-L-75-12	TU040-L-75	9/21/2011	1100	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1		n/a	n/a

**2011 Port Heiden Site Road
Field Sample Summary**

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-TU040-L-75-6	TU040-L-75	9/1/2011	856	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU040-R1-A-6	TU040-R1-A	9/24/2011	1445	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU040-R1-B-6	TU040-R1-B	9/24/2011	1450	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU040-R1-C-6	TU040-R1-C	9/24/2011	1455	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU040-R1-D-6	TU040-R1-D	9/24/2011	1500	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU040-R1-E-6	TU040-R1-E	9/24/2011	1505	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU040-R1-F-6	TU040-R1-F	9/24/2011	1510	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU040-R1-G-6	TU040-R1-G	9/24/2011	1515	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU040-R-50-6	TU040-R-50	8/27/2011	1517	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Stepout	n/a	n/a
11PH-TU041-L-100-6	TU041-L-10	9/21/2011	1124	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU041-L1-A-6	TU041-L1-A	9/24/2011	1036	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU041-L1-B-6	TU041-L1-B	9/24/2011	1038	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU041-L1-C-6	TU041-L1-C	9/24/2011	1040	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU041-L1-D-6	TU041-L1-D	9/24/2011	1042	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU041-L1-E-6	TU041-L1-E	9/24/2011	1044	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU041-L1-F-6	TU041-L1-F	9/24/2011	1046	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU041-L1-G-6	TU041-L1-G	9/24/2011	1048	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU041-L2-A-6	TU041-L2-A	9/30/2011	1526	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU041-L2-B-6	TU041-L2-B	9/30/2011	1527	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU041-L2-C-6	TU041-L2-C	9/30/2011	1529	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU041-L2-D-6	TU041-L2-D	9/28/2011	1040	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU041-L2-E-6	TU041-L2-E	9/30/2011	1532	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU041-L2-F-6	TU041-L2-F	9/30/2011	1533	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU041-L2-G-6	TU041-L2-G	9/30/2011	1535	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU041-L3-D-6	TU041-L3-D	10/3/2011	1325	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU041-L3-E-6	TU041-L3-E	10/2/2011	1328	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU041-L3-F-6	TU041-L3-F	10/2/2011	1329	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU041-L3-G-6	TU041-L3-G	10/2/2011	1330	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5			n/a	n/a
11PH-TU041-L4-E-6	TU041-L4-E	10/3/2011	1327	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU041-L4-F-6	TU041-L4-F	10/3/2011	1329	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU041-L4-G-6	TU041-L4-G	10/3/2011	1331	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU041-L-50-12	TU041-L-50	9/1/2011	854	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU041-L-50-18	TU041-L-50	9/21/2011	1112	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	1	1.5	1-1.5	Tundra Stepout	n/a	n/a
11PH-TU041-L-50-6	TU041-L-50	8/27/2011	1544	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU041-L-75-12	TU041-L-75	9/21/2011	1118	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU041-L-75-6	TU041-L-75	9/1/2011	852	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU041-R1-A-6	TU041-R1-A	9/24/2011	1555	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU041-R1-B-6	TU041-R1-B	9/24/2011	1600	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU041-R1-C-6	TU041-R1-C	9/24/2011	1605	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU041-R1-D-6	TU041-R1-D	9/24/2011	1610	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU041-R1-E-6	TU041-R1-E	9/24/2011	1615	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU041-R1-F-6	TU041-R1-F	9/24/2011	1620	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU041-R1-G-6	TU041-R1-G	9/24/2011	1625	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU041-R-50-6	TU041-R-50	8/27/2011	1520	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU042-L-100-12	TU042-L-10	9/27/2011	1105	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU042-L-100-6	TU042-L-10	9/21/2011	1136	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU042-L-125-6	TU042-L-12	9/27/2011	1110	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU042-L1-A-6	TU042-L1-A	9/28/2011	1615	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU042-L1-B-6	TU042-L1-B	9/28/2011	1620	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU042-L1-C-6	TU042-L1-C	9/28/2011	1625	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU042-L1-D-6	TU042-L1-D	9/28/2011	1630	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU042-L1-E-6	TU042-L1-E	9/28/2011	1635	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU042-L1-F-6	TU042-L1-F	9/28/2011	1640	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU042-L1-G-6	TU042-L1-G	9/28/2011	1645	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU042-L2-A-6	TU042-L2-A	10/1/2011	1453	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU042-L2-B-6	TU042-L2-B	10/1/2011	1454	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU042-L2-D-6	TU042-L2-D	9/28/2011	1044	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU042-L3-A-6	TU042-L3-A	10/3/2011	1333	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU042-L-50-12	TU042-L-50	9/1/2011	850	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU042-L-50-6	TU042-L-50	8/27/2011	1541	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU042-L-75-12	TU042-L-75	9/21/2011	1130	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a

**2011 Port Heiden Site Road
Field Sample Summary**

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-TU042-L-75-6	TU042-L-75	9/1/2011	848	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU042-R1-A-6	TU042-R1-A	9/28/2011	1540	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU042-R1-B-6	TU042-R1-B	9/28/2011	1545	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU042-R1-C-6	TU042-R1-C	9/28/2011	1550	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU042-R1-D-6	TU042-R1-D	9/28/2011	1555	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU042-R1-E-6	TU042-R1-E	9/28/2011	1600	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU042-R1-F-6	TU042-R1-F	9/28/2011	1605	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU042-R1-G-6	TU042-R1-G	9/28/2011	1610	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Characterization	n/a	n/a
11PH-TU042-R-50-6	TU042-R-50	8/27/2011	1523	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0	0	Tundra Characterization	n/a	n/a
11PH-TU043-L-100-6	TU043-L-10	9/21/2011	1148	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU043-L-50-12	TU043-L-50	9/1/2011	846	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU043-L-50-6	TU043-L-50	8/27/2011	1538	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU043-L-75-12	TU043-L-75	9/21/2011	1142	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU043-L-75-6	TU043-L-75	9/1/2011	844	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU043-R-50-6	TU043-R-50	8/27/2011	1526	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU044-L-100-6	TU044-L-10	9/21/2011	1200	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU044-L-50-12	TU044-L-50	9/1/2011	842	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU044-L-50-6	TU044-L-50	8/27/2011	1535	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU044-L-75-12	TU044-L-75	9/21/2011	1154	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU044-L-75-6	TU044-L-75	9/1/2011	840	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU044-R-50-6	TU044-R-50	8/27/2011	1529	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU045-L-50-6	TU045-L-50	8/28/2011	1100	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU049-L-50-6	TU049-L-50	8/28/2011	1102	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU065-R-50-6	TU065-R-50	8/28/2011	1106	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU067-R-50-6	TU067-R-50	8/28/2011	1108	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU081-L-50-6	TU081-L-50	8/28/2011	1112	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU082-L-50-6	TU082-L-50	8/28/2011	1114	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU083-L-50-12	TU083-L-50	9/1/2011	838	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU083-L-50-6	TU083-L-50	8/28/2011	1116	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0	0	Tundra Characterization	n/a	n/a
11PH-TU083-L-75-6	TU083-L-75	9/1/2011	836	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU083-R-50-6	TU083-R-50	8/28/2011	1146	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU084-L-50-6	TU084-L-50	8/28/2011	1118	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU084-R-50-6	TU084-R-50	8/28/2011	1144	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU085-L-50-6	TU085-L-50	8/28/2011	1120	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU085-R-50-12	TU085-R-50	9/1/2011	834	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU085-R-50-6	TU085-R-50	8/28/2011	1142	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU085-R-75-6	TU085-R-75	9/1/2011	832	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU086-L1-A-6	TU086-L1-A	9/29/2011	1427	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU086-L1-B-6	TU086-L1-B	9/29/2011	1429	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU086-L1-C-6	TU086-L1-C	9/29/2011	1431	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU086-L1-D-6	TU086-L1-D	9/29/2011	1433	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU086-L1-E-6	TU086-L1-E	9/29/2011	1435	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU086-L1-F-6	TU086-L1-F	9/29/2011	1437	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU086-L1-G-6	TU086-L1-G	9/29/2011	1439	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU086-L-50-6	TU086-L-50	8/28/2011	1122	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU086-R-100-6	TU086-R-10	9/21/2011	1310	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU086-R1-A-6	TU086-R1-A	9/29/2011	1010	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU086-R1-B-6	TU086-R1-B	9/29/2011	1012	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU086-R1-C-6	TU086-R1-C	9/29/2011	1014	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU086-R1-D-6	TU086-R1-D	9/29/2011	1016	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU086-R1-E-6	TU086-R1-E	9/29/2011	1018	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU086-R1-F-6	TU086-R1-F	9/29/2011	1020	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU086-R1-G-6	TU086-R1-G	9/29/2011	1022	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU086-R4-D-6	TU086-R4-D	9/29/2011	1540	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU086-R-50-12	TU086-R-50	9/1/2011	830	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU086-R-50-6	TU086-R-50	8/28/2011	1140	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU086-R-75-12	TU086-R-75	9/21/2011	1300	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU086-R-75-6	TU086-R-75	9/1/2011	828	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU087-L1-A-6	TU087-L1-A	9/29/2011	1441	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU087-L1-B-6	TU087-L1-B	9/29/2011	1443	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU087-L1-C-6	TU087-L1-C	9/29/2011	1445	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a

**2011 Port Heiden Site Road
Field Sample Summary**

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-TU087-L1-D-6	TU087-L1-D	9/29/2011	1447	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU087-L1-E-6	TU087-L1-E	9/29/2011	1449	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU087-L1-F-6	TU087-L1-F	9/29/2011	1451	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU087-L1-G-6	TU087-L1-G	9/29/2011	1453	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU087-L-50-12	TU087-L-50	9/1/2011	826	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU087-L-50-6	TU087-L-50	8/28/2011	1124	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU087-L-75-6	TU087-L-75	9/1/2011	824	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU087-R1-A-6	TU087-R1-A	9/29/2011	1024	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU087-R1-B-6	TU087-R1-B	9/29/2011	1026	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU087-R1-C-6	TU087-R1-C	9/29/2011	1028	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU087-R1-D-6	TU087-R1-D	9/29/2011	1030	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU087-R1-E-6	TU087-R1-E	9/29/2011	1032	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU087-R1-E-6	TU087-R1-E	10/2/2011	1313	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU087-R1-F-6	TU087-R1-F	9/29/2011	1034	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU087-R1-G-6	TU087-R1-G	9/29/2011	1036	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU087-R1-G-6	TU087-R1-G	10/2/2011	1314	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU087-R-50-6	TU087-R-50	8/28/2011	1138	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU088-L-100-6	TU088-L-10	9/21/2011	1350	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU088-L1-A-6	TU088-L1-A	9/29/2011	1455	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-L1-B-6	TU088-L1-B	9/29/2011	1457	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-L1-C-6	TU088-L1-C	9/29/2011	1459	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-L1-D-6	TU088-L1-D	9/29/2011	1501	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-L1-E-6	TU088-L1-E	9/29/2011	1503	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-L1-F-6	TU088-L1-F	9/29/2011	1505	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-L1-G-6	TU088-L1-G	9/29/2011	1507	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-L2-D-6	TU088-L2-D	9/29/2011	1550	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-L2-E-6	TU088-L2-E	10/3/2011	1340	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-L4-D-6	TU088-L4-D	9/29/2011	1555	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-L-50-12	TU088-L-50	9/1/2011	822	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU088-L-50-6	TU088-L-50	8/28/2011	1126	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU088-L-75-12	TU088-L-75	9/21/2011	1340	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU088-L-75-6	TU088-L-75	9/1/2011	818	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU088-R-100-6	TU088-R-10	9/21/2011	1330	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU088-R1-A-6	TU088-R1-A	9/29/2011	1038	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-R1-B-6	TU088-R1-B	9/29/2011	1040	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-R1-C-6	TU088-R1-C	9/29/2011	1042	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-R1-D-6	TU088-R1-D	9/29/2011	1044	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-R1-E-6	TU088-R1-E	9/29/2011	1046	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-R1-F-6	TU088-R1-F	9/29/2011	1048	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-R1-G-6	TU088-R1-G	9/29/2011	1050	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-R2-A-6	TU088-R2-A	10/1/2011	1440	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-R2-B-6	TU088-R2-B	10/3/2011	1343	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-R2-C-6	TU088-R2-C	10/1/2011	1442	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-R2-D-6	TU088-R2-D	9/29/2011	1542	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-R2-E-6	TU088-R2-E	10/1/2011	1444	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-R2-F-6	TU088-R2-F	10/1/2011	1446	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-R2-G-6	TU088-R2-G	10/1/2011	1448	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-R3-C-6	TU088-R3-C	10/3/2011	1345	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-R3-D-6	TU088-R3-D	10/1/2011	1450	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-R3-D-6	TU088-R3-D	10/3/2011	1347	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-R3-E-6	TU088-R3-E	10/3/2011	1349	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-R3-F-6	TU088-R3-F	10/3/2011	1352	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-R3-G-6	TU088-R3-G	10/3/2011	1355	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU088-R-50-12	TU088-R-50	9/1/2011	820	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU088-R-50-6	TU088-R-50	8/28/2011	1136	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU088-R-75-12	TU088-R-75	9/21/2011	1320	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU088-R-75-6	TU088-R-75	9/1/2011	816	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU089-L-100-12	TU089-L-10	9/27/2011	1115	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU089-L-100-6	TU089-L-10	9/21/2011	1430	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU089-L-125-6	TU089-L-12	9/27/2011	1120.4	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU089-L1-A-6	TU089-L1-A	9/29/2011	159	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a

**2011 Port Heiden Site Road
Field Sample Summary**

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-TU089-L1-B-6	TU089-L1-B	9/29/2011	1511	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU089-L1-C-6	TU089-L1-C	9/29/2011	1513	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU089-L1-D-6	TU089-L1-D	9/29/2011	1515	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU089-L1-E-6	TU089-L1-E	9/29/2011	1517	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU089-L1-F-6	TU089-L1-F	9/29/2011	1519	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU089-L1-G-6	TU089-L1-G	9/29/2011	1521	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU089-L2-A-6	TU089-L2-A	10/3/2011	1357	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU089-L2-A-6	TU089-L2-A	10/3/2011	1357	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU089-L50-12	TU089-L-50	9/1/2011	814	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU089-L-50-6	TU089-L-50	8/28/2011	1128	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU089-L-75-12	TU089-L-75	9/21/2011	1420	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU089-L-75-6	TU089-L-75	9/1/2011	810	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU089-R-100-6	TU089-R-10	9/21/2011	150	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU089-R1-A-6	TU089-R1-A	9/29/2011	1052	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU089-R1-B-6	TU089-R1-B	9/29/2011	1054	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU089-R1-C-6	TU089-R1-C	9/29/2011	1056	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU089-R1-D-6	TU089-R1-D	9/29/2011	1058	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU089-R1-E-6	TU089-R1-E	9/29/2011	1100	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU089-R1-F-6	TU089-R1-F	9/29/2011	1102	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU089-R1-G-6	TU089-R1-G	9/29/2011	1104	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU089-R2-A-6	TU089-R2-A	10/1/2011	1435	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU089-R2-B-6	TU089-R2-B	10/3/2011	1359	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU089-R2-D-6	TU089-R2-D	9/29/2011	1544	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU089-R2-F-6	TU089-R2-F	10/1/2011	1434	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU089-R2-G-6	TU089-R2-G	10/1/2011	1433	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU089-R3-A-6	TU089-R3-A	10/3/2011	1402	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU089-R-50-12	TU089-R-50	9/1/2011	812	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU089-R-50-6	TU089-R-50	8/28/2011	1134	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU089-R-75-12	TU089-R-75	9/21/2011	1400	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU089-R-75-6	TU089-R-75	9/1/2011	808	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU090-L-100-12	TU090-L-10	9/27/2011	1130	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU090-L-100-6	TU090-L-10	9/21/2011	1510	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU090-L-125-12	TU090-L-12	9/28/2011	842	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU090-L-125-6	TU090-L-12	9/27/2011	1135	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU090-L-150-12	TU090-L-15	9/28/2011	1310	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1		n/a	n/a
11PH-TU090-L-150-6	TU090-L-15	9/28/2011	844	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU090-L-175-12	TU090-L-17	9/30/2011	848	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1		n/a	n/a
11PH-TU090-L-175-6	TU090-L-17	9/28/2011	1315	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU090-L1-A-6	TU090-L1-A	9/29/2011	1523	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU090-L1-B-6	TU090-L1-B	9/29/2011	1525	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU090-L1-C-6	TU090-L1-C	9/29/2011	1527	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU090-L1-D-6	TU090-L1-D	9/29/2011	1529	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU090-L1-E-6	TU090-L1-E	9/29/2011	1531	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU090-L1-F-6	TU090-L1-F	9/29/2011	1533	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU090-L1-G-6	TU090-L1-G	9/29/2011	1535	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU090-L-200-6	TU090-L-20	9/30/2011	846	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU090-L2-B-6	TU090-L2-B	10/3/2011	1405	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU090-L2-C-6	TU090-L2-C	10/1/2011	1420	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU090-L2-D-6	TU090-L2-D	9/29/2011	1600	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU090-L2-E-6	TU090-L2-E	10/1/2011	1422	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU090-L2-G-6	TU090-L2-G	10/3/2011	1408	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU090-L3-C-6	TU090-L3-C	10/3/2011	1410	CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU090-L3-D-6	TU090-L3-D	10/1/2011	1424	CP/CF	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU090-L-50-12	TU090-L-50	9/1/2011	806	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU090-L-75-12	TU090-L-75	9/21/2011	1500	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU090-L-75-6	TU090-L-75	9/1/2011	802	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU090-R-100-6	TU090-R-10	9/21/2011	1450	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU090-R2-D-6	TU090-R2-D	9/29/2011	1546	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs		n/a	n/a
11PH-TU090-R-50-12	TU090-R-50	9/1/2011	804	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a
11PH-TU090-R-50-6	TU090-R-50	8/28/2011	1132	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0	0.5	0	Tundra Characterization	n/a	n/a
11PH-TU090-R-75-12	TU090-R-75	9/21/2011	1440	CP	1	BAG	~ 10 OZ	4 ± 2"	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a

**2011 Port Heiden Site Road
Field Sample Summary**

Sample ID	Location ID	Collection Date	Time	Sampler	QTY	Container Type	Volume	Preservative	Matrix	Analyses Requested	QC	TAT	Starting Depth (feet bgs)	Ending Depth (feet bgs)	Depth (feet bgs)	Sample Type	Cooler ID	Lab SDG
11PH-TU090-R-75-18	TU090-R-75	9/27/2011	1125	CP	1	BAG	~ 10 OZ	4 ± 2'	SO	Field GC SW 8082	n/a	n/a	1	1.5	1-1.5	Tundra Stepout	n/a	n/a
11PH-TU090-R-75-6	TU090-R-75	9/1/2011	800	CP	1	BAG	~ 10 OZ	4 ± 2'	SO	Field GC SW 8082	n/a	n/a	0	0.5	0-6" bgs	Tundra Stepout	n/a	n/a
11PH-TU023-L-50-12	TU023-L-50	9/1/2011	1046	CP	1	BAG	~ 10 OZ	4 ± 2'	SO	Field GC SW 8082	n/a	n/a	0.5	1	.5 - 1	Tundra Stepout	n/a	n/a

ATTACHMENT C-4
Laboratory Data Deliverables

(provided separately on CD)

APPENDIX D
Field Screening Report

Field Screening for Aroclor 1260 Using a Gas Chromatograph and Electron Capture Detector

Document No: PH-SOP-1	Page: 1 of 12
Effective Date: 1 April 2011	Rev. 0

Table of Contents

1.0	OBJECTIVE	2
2.0	SCOPE AND APPLICATION	2
3.0	HEALTH AND SAFETY	2
3.1.	Extraction Solvent.....	2
3.2.	Calibration Standards.....	2
3.3.	Compressed Gases.....	2
3.4.	SOIL SAMPLES	3
4.0	INTERFERENCES.....	3
4.1.	Solvents, Reagents, and Other Sample Processing Materials	3
4.2.	Sample Matrix.....	3
4.3.	Carry-Over	3
5.0	SAMPLE HANDLING.....	3
6.0	APPARATUS	3
6.1.	Extraction Equipment	3
6.2.	Analytical Equipment.....	4
6.3.	Other Equipment	4
7.0	REAGENTS	4
7.1.	Solvents.....	4
7.2.	Standards	5
8.0	QUALITY CONTROL.....	6
8.1.	Extraction Quality Control.....	6
8.2.	Calibration Quality Control.....	7
8.3.	Instrument Quality Control.....	7
9.0	EXTRACTION.....	8
9.1.	Sample Preparation.....	8
9.2.	Sample Sonication.....	9
10.0	CALIBRATION AND ANALYSIS.....	9
10.1.	Calibration	9
10.2.	Daily Analysis	10
11.0	CALCULATIONS	11
11.1.	Percent Recovery	11
11.2.	Relative Percent Difference.....	11
11.3.	Preparation Factor.....	11
11.4.	Final Sample Concentration	12

TABLES

Table 7-1	PCB Calibration Standard Dilutions	6
Table 9-1	Daily Analysis Sequence Example (PCB).....	11

1.0 OBJECTIVE

This screening procedure is used to identify and quantitate polychlorinated biphenyls (PCB) Aroclor 1260 in soil and sediment in an onsite field laboratory.

2.0 SCOPE AND APPLICATION

This procedure is applicable for the screening of soils and sediments for the presence of commercial PCB mixtures (also known as Aroclors). This Standard Operating Procedure (SOP) describes the extraction and analytical conditions used to determine the concentration of target analytes in soil and sediment samples using a solvent extraction and analysis on a gas chromatograph (GC) equipped with an electron capture detector (ECD). Control of the GC and data processing is accomplished using Agilent's ChemStation software. Aroclor 1260 will be the primary compound of interest. Other PCB Aroclors (1016, 1221, 1232, 1242, 1248, and 1254) can also be qualitatively identified using this procedure by request.

3.0 HEALTH AND SAFETY

This section provides general information on chemicals and other materials used in this procedure. The Material Safety Data Sheets (MSDS) for each chemical are included in Appendix D Attachment 1, Site Safety and Health Plan (SSHP). Personnel using this procedure must be trained on the information contained in the MSDSs, the engineering controls in the field laboratory, and the personal protective equipment (PPE) outlined in this SOP.

3.1. Extraction Solvent

A mixture of 10 percent acetone in hexane will be the solvent used in the extraction and analysis steps of this procedure. The toxicity or carcinogenicity of each reagent used in this method has not been precisely determined; however, each chemical should be treated as a potential health hazard and handled according the MSDS. In addition to the potentially toxic effects, hexane is also flammable in the liquid and vapor phases. Exposure to these reagents will be reduced to the lowest possible level using engineering controls and PPE.

The engineering controls used to reduce the health and fire risks include the use of a fume hood, bottle top solvent dispensers, and a protected storage location for solvents. A fume hood capable of displacing 200 cubic feet per minute will be installed in the sample preparation area. The handling of solvents will be restricted to the fume hood to ensure that any solvent vapors will be removed from the work area and vented outside the building. The fume hood will also contain the solvent in the event of a spill. The use of a bottle top dispenser will reduce the amount of solvent vapors generated from an opened solvent bottle as well as minimize the potential for spillage. A protected area for the storage of solvent, away from the main work area, will be designated. Keeping the protected storage area for the solvents separate from the main work area will reduce the contact with bulk containers. All solvent bottles not in use are kept in a storage cabinet designed for flammable solvents. The use of eye protection and nitrile gloves are mandatory when handling solvents.

3.2. Calibration Standards

The calibration standards consist of a known quantity of the Aroclor of interest (1260). Aroclor 1260, as well as other PCBs, are suspected carcinogens. The primary route of entry of PCBs to the body occurs through dermal exposure and ingestion. The use of nitrile gloves and eye protection are mandatory when handling any calibration standards. A fresh pair of gloves will be donned after handling calibration standards or sample extracts.

3.3. Compressed Gases

The compressed gases helium and nitrogen are used in conjunction with the GC. The compressed gas cylinders must be secured in cylinder stands or by other appropriate means to prevent tipping. The storage location of the cylinders will be selected to minimize contact while working in the area.

Protective shatterproof safety glasses or goggles must be donned while working with compressed gases. This includes attaching or removing the regulator from a cylinder.

3.4. SOIL SAMPLES

All soil samples will be treated as potentially containing PCBs. Care must be used when handling soil samples to prevent the possible spreading of contaminants in the work area. In addition to wearing nitrile gloves while handling samples, the work area used to weigh out and extract soil samples will be lined with disposable poly sheeting and cleaned daily.

4.0 INTERFERENCES

This section provides a summary of the interferences that can affect the performance of this procedure.

4.1. Solvents, Reagents, and Other Sample Processing Materials

Interference may be caused by contaminants in solvents, reagents, glassware, and other sample-processing hardware. These contaminants may lead to discrete artifacts and/or elevated baselines in the chromatograms. Sample processing materials/hardware designed for GC analysis is used to reduce interferences. Method blanks are analyzed to evaluate the level of potential interferences from sample processing equipment.

4.2. Sample Matrix

Sample matrix interferences may be caused by other compounds that are extracted with the target compounds. The extent of matrix interferences will vary considerably from source to source. Selecting the correct solvent and avoiding sample extract concentration will minimize the potential for matrix interference. High moisture content is not expected in the samples collected for this project. If high moisture content is present, chemical drying may be necessary prior to extraction.

4.3. Carry-Over

Contamination by carry-over can occur whenever high level and low level samples are sequentially analyzed. To reduce carry-over, a solvent blank should be analyzed following an unusually concentrated sample to ensure that the analytical equipment is clean before further samples are analyzed. In addition, samples suspected of containing high concentrations of PCBs may be diluted prior to analysis.

5.0 SAMPLE HANDLING

Samples will be collected from the site and transported to the onsite laboratory for processing. The samples will initially be collected in a 1-gallon plastic bag. The soil will require homogenization prior to preparation. Homogenization will occur at the onsite laboratory. Once the sample is homogenized, a portion should be sub-sampled for analysis. The sample will be weighed out in a new unused 40-milliliter vial. If a sample is selected to be used for offsite correlation, a second portion of soil will be sub-sampled into a new unused 8 oz jar. The sample will be labeled with the location, sample identification, date and time of collection, sampler initials, and requested analysis.

6.0 APPARATUS

The following section describes the main equipment used for this procedure.

6.1. Extraction Equipment

The main equipment for the extraction portion of this procedure is a heated ultrasonic bath (Misonix C250 or equivalent), a fume hood (200 cubic feet per minute displacement), and an analytical balance (OHAUS TP2KS or equivalent).

6.2. Analytical Equipment

The main analytical equipment used for the analysis portion of this procedure is an Agilent 7890 GC equipped with electronic pressure control, an autosampler, and an ECD. The column installed in the GC will be an RTX-5ms 15-meter by 0.32-millimeter by 0.25-micrometer (or equivalent). The instrument operating conditions are as follows:

Equipment Settings for PCB Analysis

GC Settings

Carrier gas: Helium (constant flow mode set to 1 ml/minute (min))

Make-up gas: Nitrogen (constant column + makeup mode set to 40 mL/min)

Injector temperature: 250 °C

Detector temperature: 310 °C

Injection type: Splitless

Oven Program

Total run time: 11.3 minutes

Initial temperature: 135 °C

Initial hold time: 0 minute

Ramp 1: 16 °C /minute

Temperature 1: 300 °C

Hold time 1: 1 minute

Equilibration time: 0 minute

Injector/Tray Settings

Injection Volume: 1 µl Tray set to prep sample 1 minute before the end of run.

Note: Instrument operating conditions may be changed onsite to achieve optimum performance.

6.3. Other Equipment

Several other pieces of equipment will be used in this procedure. This equipment includes analytical syringes, volumetric flasks, and a calibrated bottle top dispenser.

The analytical syringes used in this procedure vary in size from 5 microliters for the autosampler, to 0.1 milliliter and 1 milliliter for dilutions. All syringes are designed for analytical use. In addition to the syringes, class "A" volumetric flasks (10 milliliters, 50 milliliters, and 100 milliliters) and a bottle-top solvent dispenser (Brand 2.5 milliliters to 25 milliliters) will be used for diluting standards and solvent addition.

7.0 REAGENTS

This section describes the reagents and standards used in this procedure to provide details on how the working standards are diluted. Although Aroclor 1260 is the primary compound of interest, Aroclor 1254 may be encountered. Directions for making Aroclor 1254 standards are included for informational purposes only.

7.1. Solvents

The solvent used for extraction and analysis will be a mixture of 10 percent acetone in hexane (pesticide grade).

7.2. Standards

Several stock PCB standards will be needed for this procedure. The PCB standards are described in sections 6.2.1 to 6.2.3. For each portion of the PCB procedure, there are two primary standards. The PCB standards are the calibration stock standard (1,000 µg/mL 1260 sigma/Aldrich part# 90129R and 1,000 µg/mL 1254 sigma/Aldrich part# 90128R) and the second source verification standard (1,000 µg/mL 1260 Restek part# 32012 and 1,000 µg/mL 1254 Restek part# 32011). These stock standards will be diluted to make the working standards.

7.2.1. PCB Working Calibration Stock Standard

The directions for making the working calibration stock standard at 10 mg/L are as follows:

- Using the bottle top dispenser, rinse a 10-milliliter volumetric flask and a 1,000-microliter syringe with a small portion of hexane three times. Discard the rinses into the waste solvent container.
- Add 5 milliliter of hexane to the 10-milliliter volumetric flask.
- Measure out 1,000 microliters of the calibration stock standard (1,000 µg/mL 1260 sigma/Aldrich part# 90129R) using the 1,000 µL syringe. Be sure no air bubbles are present in the syringe. Wipe the tip of the syringe with a KimWipe®.
- With the tip of the needle slightly below the solvent level, add the calibration stock standard to the 10 mL volumetric flask then remove the syringe.
- Fill the volumetric flask to the mark with hexane mixture, place the stopper in the flask, and invert three times. Do not shake the volumetric flask.
- Discard the solution in the neck of the flask as PCB waste, carefully pour the remaining solution into a 40 mL vial, and then close with a cap.
- Mark the meniscus using a Sharpie® and date the line. Label the bottle as follows:
- PCB Working Calibration Stock
- 100 mg/L 1260 in hexane
- Date and initials / expires: (two months after creation)
- Keep the standard in a cool location.
- The working calibration stock standard will also be used as the working laboratory control standard.

7.2.2. PCB Working Initial Calibration Verification Standard

The directions for making the working initial calibration verification stock standard at 1 mg/L are as follows:

- Using the bottle top dispenser, rinse a 10 mL volumetric flask and a 100 µL syringe with a small portion of hexane three times. Discard the rinses into the waste solvent container.
- Add 5 mL of hexane to the 10 mL volumetric flask.
- Measure out 10 µL of the calibration stock standard (1,000 µg/mL 1260 Restek part# 32012) using the 25 µL syringe. Be sure no air bubbles are present in the syringe. Wipe the tip of the syringe with a KimWipe®.
- With the tip of the needle slightly below the solvent level, add the calibration stock standard to the 10 mL volumetric flask, and then remove the syringe.
- Fill the volumetric flask to the mark with hexane, place the stopper in the flask, and invert three times. Do not shake the volumetric flask.
- Discard the solution in the neck of the flask as PCB waste, carefully pour the remaining solution into a 40 mL vial, and then close with a cap.

- Mark the meniscus using a Sharpie® and date the line. Label the 40 mL vial as follows:
- PCB Working Initial Calibration Verification Stock
- 1 mg/L 1260 in Hexane
- Date and initials / expires: (two months after creation)
- Keep the standard in a cool location.

7.2.3. PCB Calibration Standards

The directions for making the working calibration standards at 0.1, 1.0, and 2.5 mg/L are as follows:

- Rinse a 100 µL and a 1 mL volumetric syringe with a small portion of hexane three times. Discard the rinses into the waste solvent container.
- Label the 2 mL autosampler vials before addition of the standards.
- Using the directions in Table 7-1, add the appropriate volumes of the working calibration stock standard and hexane to a 2 mL autosampler vial.
- Cap the vials and store in a cool location until use.

Table 7-1
PCB Calibration Standard Dilutions

Standard 1 0.1 mg/L	Standard 2 1.0 mg/L	Standard 3 2.5 mg/L
80 µL Std. 3 (2.5 mg/L)	20 µL of stock	50 µL of stock
1920 µL hexane	1980 µL hexane	1950 µL hexane

8.0 QUALITY CONTROL

This section provides an overview of the quality control samples used to produce results. Quality control samples in each phase of the process ensure that the data produced using this procedure are of high quality.

8.1. Extraction Quality Control

The extraction quality control samples consist of a method blank, a laboratory control sample (LCS), a laboratory control sample duplicate (LCSD), and a sample duplicate (DUP).

8.1.1. Method Blank

The method blank sample is made up of a solid matrix (silica sand) that is similar to the project sample matrix and put through the extraction process with the project samples.

The method blank is used to verify that the apparatus and supplies used in the extraction step are free from interferences and target analytes. The frequency of the method blanks will be one method blank per each day when samples are extracted, up to 40 samples. The acceptance criteria for the method blank are that no analytes or interferences are found above one-half the action level.

8.1.2. Laboratory Control Sample

The laboratory control sample is made up of a solid matrix (silica sand) that is similar to the project sample matrix and put through the extraction process with the project samples. The LCS is used to verify that the extraction step will recover the target analytes from the solid matrix. The frequency of the LCS will be one LCS per each day samples are

extracted, up to 40 samples. The acceptance criteria for the LCS will be a recovery within 30% of the expected value.

8.1.3. Sample Duplicate

The DUP is used to evaluate the overall precision of the extraction and analysis steps. The DUP is a randomly chosen project sample that will be extracted and analyzed twice in the same extraction batch. The frequency of the DUP will be one DUP per each day samples are extracted, up to 40 samples. Although there will be no criteria applied to the DUP, the relative percent difference between the parent sample and the DUP should be less than 30%.

If the method blanks or LCSs do not meet acceptance criteria, consult a senior chemist for troubleshooting advice. Samples will need to be re-extracted if the method blank and/or the LCS do not meet acceptance criteria.

8.2. Calibration Quality Control

The calibration quality control samples consist of an initial calibration verification standard, a performance check sample, and a method detection level check sample.

8.2.1. Initial Calibration Verification

The initial calibration verification (ICV) standard consists of a separate source standard than the calibration standards. The ICV standard concentration will be near the midpoint of the calibration curve (typically 1.0 ppm for PCBs). The ICV is analyzed immediately after the multi-point calibration. The ICV recovery must be within 25% of the expected value.

8.2.2. Performance Evaluation Samples

The other performance evaluation samples required for quality control are performance check samples and a method detection level check sample.

The performance check sample consists of a purchased soil sample that contains a known amount of target analytes. The vendor used for the performance check sample will be Resource Technology Corporation. The reported value of the performance check sample must meet the manufactures specified recovery criteria.

The method detection level check standard consists of a portion of silica sand spiked with target analytes at a level near the low calibration point and processed through the extraction and analysis steps of this procedure. The method detection level check standard must show a discernable pattern and be within 50% of the expected value.

8.3. Instrument Quality Control

The instrument quality control samples consist of the instrument blank and the daily calibration curve verification samples.

8.3.1. Instrument Blank

The instrument blank consists of hexane only. Analysis of the instrument blank will allow for the evaluation system contamination. The instrument blank should show minimal system contamination (less than the low calibration point) and a regular baseline. Instrument blanks are analyzed at the start of the daily sequence and should follow potentially high level samples to reduce the possibility of carry-over contamination between samples.

8.3.2. Daily Continuing Calibration Curve Verification Sample

The daily continuing calibration verification (CCV) sample consists of the same standard used for the initial calibration at a concentration near the midpoint of the calibration

(typically 1.0 ppm for PCBs). The calibration curve will be evaluated each day sample analysis occurs to verify the instrument responses have not changed significantly since the calibration curve was obtained.

The daily CCV is analyzed at the beginning of the daily sequence (after the instrument blanks), after every 20 project samples, and at the end of the daily sequence. The CCV recovery must be within 25% of the expected value. If a CCV does not meet the acceptance criteria, the associated sample results are considered suspect and should be used with caution. Continued failure of CCVs will require system maintenance, new standards, and/or recalibration. If the instrument does not meet acceptance criteria after the system maintenance outlined in Section 8.2.1 is completed, consult a senior chemist for further maintenance/troubleshooting steps.

9.0 EXTRACTION

This section describes the two phases of the extraction process by which the target analytes are removed from the sample matrix and silica gel treatment of the sample extract.

9.1. Sample Preparation

The first stage in the extraction process is weighing out the sample. During the extraction phase, the sample is homogenized and then a portion is weighed out using the following steps:

- Don a fresh pair of nitrile gloves and make sure the fume hood is functioning.
- Select the samples to be extracted. Randomly select a sample to be analyzed in duplicate.
- Verify that the balance is set up on a stable, level surface. Verify the scale is operating correctly by using the reference weights. Enter the scale verification in the field logbook. The scale must be operating within ± 1 percent of the true weight. Recalibrate the scale if necessary.
- Verify that the bottle top solvent dispenser is set to deliver 10 mL of hexane by using a class "A" 10 mL volumetric flask. Adjust the bottle top dispenser so that it fills the 10 mL flask to the mark. Record the verification in the field logbook.
- Place a weigh dish on the scale and tare.
- Using a new wooden tongue depressor, weigh out two 40 mL vials containing 10 to 12 grams of silica sand for the method blank, LCS, and an LCSD. Record the weights in the field logbook. Spike the LCS and LCSD with 100 μ L of the PCB working calibration stock standard before adding 10 mL of hexane.
- Record the sample identification of the field samples, to be included in the extraction batch, in the field logbook and individually on the 40 mL vials. Homogenize the sample by thoroughly mixing the sample in a Zip-Loc bag. Note in the logbook the presence of any oversized material (large rocks or debris).
- Place a 40-mL vial on the scale and tare.
- Using a new wooden tongue depressor, weigh out 10 to 12 grams of sample. Record the weight in the field logbook.
- Add approximately 3 grams of sodium sulfate (or less depending on soil moisture content) to the 40-mL vial and mix.
- Working in the fume hood, add 10 mL of hexane/acetone to the 40-mL vial containing the sample and cap. Record the amount of hexane added to each sample in the field logbook. Shake the solvent/sample mixture for 1 minute and then place in the holding rack.

Repeat the steps above for all samples to be extracted. Verification of scale accuracy and dispenser accuracy will be performed at the start of the day.

9.2. Sample Sonication

The second stage of the extraction process is sonication. During the sonication stage, mechanical energy and heat are applied to the sample/solvent mixture. The application of heat and energy facilitates the transfer of target analytes from the sample matrix to the solvent.

- With the sonicator in the fume hood, add water to the bath until the water level is close to the solvent level in the 40-mL vial.
- Turn on the power to the sonicator and set the temperature to 45 °C. Allow temperature of the bath to equilibrate.
- Carefully transfer the 40-mL vials that contain the sample and solvent to the sonicator bath. Verify caps are secured during transfer. Start sonication while keeping the samples in the sonicator for 60 minutes.
- Shake the 40-mL vials at 20 minutes and 40 minutes.
- Once 60 minutes have elapsed, turn off the sonicator and remove the samples from the bath. Allow samples to settle and cool to room temperature under the fume hood.
- Using a new Pasteur pipette for each sample, transfer about 1.5 mL of the sample extract to a labeled autosampler vial and cap securely. Mark the meniscus with a fine tip marker.

The extraction process is completed at this point. Extracts should be stored in a cool location when not in use.

10.0 CALIBRATION AND ANALYSIS

This section describes the type of calibration used for quantitation and how it will be applied to calculate the concentration of the target analytes in the samples.

10.1. Calibration

The calibration for all analytes will be established and verified before the analysis of samples. The first phase of the calibration is the analysis of the calibration standards described in Table 7-1 using the instrument parameters outlined in Section 5.2. If another Aroclor other than 1260 is encountered during analysis, the 1260 response factor may be used to estimate the concentrations. If more accurate quantitation is required, that sample will be reanalyzed once a calibration curve is in place and validated for that Aroclor by the procedure outlined in this section.

10.1.1. Calibration Curve

ChemStation software will be configured to use a linear calibration curve model or average response factor for the calibration of 1260. The 1260 response will be based on a minimum of three individual peaks that are summed and averaged. A secondary alternative to the sum average is to base the PCB response on total area of the timed group of all peaks that elute within the Aroclor pattern.

A minimum of three points will be used for the calibration curve, with one point at or below the reporting limit. Calibration standards must be analyzed sequentially and within the same daily sequence. The calibration will be considered acceptable if the correlation coefficient (R²) of the regression line is greater than 0.990 or if the relative percent difference of the average response factors is less than 20%. Each column used for analysis will have its own unique calibration.

Sample analysis cannot proceed until the calibration curve meets the acceptance criteria specified in this section. If the instrument does not meet acceptance criteria after the system maintenance outlined in Section 10.2.1 is completed, consult a senior chemist for further maintenance/troubleshooting steps.

10.2. Daily Analysis

Daily analysis includes system maintenance, filling in a run sequence, and data processing. Daily analysis will not commence until an acceptable calibration is obtained.

10.2.1. System Maintenance

System maintenance is performed on an “as needed” basis. System maintenance will typically be performed on a daily basis after large numbers of samples, or samples with dark colored extracts, are analyzed. System maintenance may include the following:

- Turn off inlet heater and oven and allow the injectors to cool to less than 100 °C.
- Remove the septa nut and used septa. Discard used septa and replace with a new one. Replace the septa nut and hand tighten.
- Loosen the injector weldment and remove the injector liner. Install a clean liner and tighten the injector weldment. The dirty liner is saved and will be cleaned and reused.
- Turn off gas flow to the inlet and open the GC oven. Loosen the column nut at the base of the injector.
- Trim approximately 2 inches from the front of the guard column. Reinstall the column into the base of the injector.
- Turn on gas flow to the inlet and use the leak detector to verify that there are no leaks. Tighten fittings if needed.
- Turn on the GC oven and inlet heater. Allow temperatures to reach operating levels.

Instrument blanks made up of hexane are injected until a stable baseline is achieved (typically one to two blanks). Continued baseline instability is an indicator of leaks or other system problems and is beyond the scope of this procedure. Consult a senior chemist for further maintenance/troubleshooting steps.

10.2.2. Run Sequence

Analysis may only proceed once the calibration and the calibration verification meet acceptance criteria and typically occurs as follows:

- Allow the sample extracts produced during the extraction step of this procedure to come to room temperature.
- Enter the samples to be analyzed into the sequence table of the ChemStation software. A typical PCB sequence will begin with one or two solvent blanks, followed by the daily CCV, then extraction quality control samples (method blank and LCS/LCSD), and finally project samples. An example daily sequence is shown in Table 9-1.
- Save the sequence using a unique identifier and then start the sequence.

Proceed to data processing.

Table 9-1
Daily Analysis Sequence Example (PCB)

Run No.	Vial No.	Sample ID	Dilution	Notes
1	1	IB	1	
2	1	IB	1	
3	2	CCV	1	
4	3	LCS	1	
5	4	LCS	1	
6	5	method blank	1	
7	6	XXX-NW-SO 1	1	
8	7	XXX-NW-SO 2	1	
9	8	XXX-NW-SO 3	1	
10	9	XXX-NW-SO 4	1	
11	2	CCV	1	
12	1	IB	1	
13	10	XXX-NW-SO 5	1	
14	11	XXX-NW-SO 5 x 10	10	100 µL / 900 µL Dark Color
15	2	CCV	1	
16	2	IB	1	

10.2.3. Data Processing

To obtain the concentration of Aroclor in the sample extract, each sample chromatogram will be processed by the ChemStation software using method integration events and the current calibration curve. The analyst must review each sample chromatogram to verify the presence of an Aroclor (pattern recognition) and determine if the integration of the peaks is correct (baselines and retention times). The extract concentration will be adjusted for the sample preparation information to produce the final concentration in the sample.

11.0 CALCULATIONS

11.1. Percent Recovery

$$R = \left(\frac{SR}{AC} \right) * 100$$

Where: R = % Recovery
SR = Sample Result
AC = Accepted Concentration

11.2. Relative Percent Difference

$$RPD = \left(\frac{(RI - RS)}{(RI + RS) / 2} \right) * 100$$

Where: RPD = Relative Percent Difference
RI = Initial Result
RS = Second Result

11.3. Preparation Factor

$$PF = \frac{Wi}{Fv}$$

Where: PF = Prep Factor
Wi = Initial Dry Weight
Fv = Final Volume

11.4. Final Sample Concentration

Final Concentration (mg/kg) = PF * Solution Concentration * Instrument Dilution Factor

Note: The solution concentration and instrument dilution factor are obtained from the results page of the sample chromatogram.

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SP83L-6-0-L	—	0.35	—	—
11PH-SP83L-6-6-L	—	0.03	—	—
11PH-SP83L-5-0-L	—	0.13	—	—
11PH-SP83L-5-6-L	—	0.10	—	—
11PH-SP83L-5-12-L	—	0.03	—	—
11PH-SP83L-4-0-L	—	0.48	—	—
11PH-SP83L-4-6-L	—	0.16	—	—
11PH-SP83L-4-12-L	—	0.01	—	—
11PH-SP83L-4-18-L	—	0.02	—	—
11PH-SP83L-3-0-L	—	0.61	—	—
11PH-SP83L-3-6-L	—	0.15	—	—
11PH-SP83L-3-12-L	—	0.30	—	—
11PH-SP83L-3-18-L	—	0.14	—	—
11PH-SP83L-3-24-L	—	ND [0.141]	—	—
11PH-SP83L-2-0-L	—	0.75	—	—
11PH-SP83L-2-6-L	—	0.13	—	—
11PH-SP83L-2-12-L	—	0.27	—	—
11PH-SP83L-2-18-L	—	0.05	—	—
11PH-SP83L-2-24-L	—	ND [0.140]	—	—
11PH-SP83L-2-30-L	—	ND [0.156]	—	—
11PH-SP83L-1-0-L	—	0.57	—	—
11PH-SP83L-1-6-L	—	0.28	—	—
11PH-SP83L-1-12-L	—	0.21	—	—
11PH-SP83L-1-18-L	—	0.03	—	—
11PH-SP83L-1-18-L-Dup	—	0.05	—	—
11PH-SP83L-1-24-L	—	0.11	—	—
11PH-SP83L-1-30-L	—	ND [0.152]	—	—
11PH-SP83L-1-36-L	—	ND [0.148]	—	—
11PH-SP83L-0-0-L	—	0.42	—	—
11PH-SP83L-0-6-L	—	0.38	—	—
11PH-SP83L-0-12-L	—	0.12	—	—
11PH-SP83L-0-18-L	—	0.23	—	—
11PH-SP83L-0-24-L	—	0.18	—	—
11PH-SP83L-0-30-L	—	0.02	—	—
11PH-SP83L-0-36-L	—	ND [0.152]	—	—
11PH-SP83L-0-42-L	—	ND [0.148]	—	—
11PH-SP83L-0-48-L	—	ND [0.158]	—	—
11PH-SP83L-0-0-C	—	0.51	—	—
11PH-SP83L-0-6-C	—	0.50	—	—
11PH-SP83L-0-12-C	—	0.08	—	—
11PH-SP83L-0-18-C	—	0.05	—	—
11PH-SP83L-0-24-C	—	0.03	—	—
11PH-SP83L-0-30-C	—	0.02	—	—
11PH-SP83L-0-36-C	—	0.00	—	—
11PH-SP83L-0-42-C	—	ND [0.167]	—	—
11PH-SP83L-0-48-C	—	ND [0.161]	—	—
11PH-SP83L-0-0-R	—	0.37	—	—
11PH-SP83L-0-6-R	—	0.49	—	—
11PH-SP83L-0-12-R	—	0.07	—	—
11PH-SP83L-0-18-R	—	0.14	—	—
11PH-SP83L-0-24-R	—	0.04	—	—
11PH-SP83L-0-30-R	—	0.09	—	—
11PH-SP83L-0-36-R	—	0.02	—	—
11PH-SP83L-0-42-R	—	0.02	—	—
11PH-SP83L-0-48-R	—	0.02	—	—
11PH-SP83L-1-0-R	—	0.73	—	—
11PH-SP83L-1-6-R	—	0.75	—	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SP83L-1-12-R	—	0.09	—	—
11PH-SP83L-1-18-R	—	0.05	—	—
11PH-SP83L-1-24-R	—	0.06	—	—
11PH-SP83L-1-30-R	—	0.03	—	—
11PH-SP83L-1-36-R	—	0.02	—	—
11PH-SP83L-2-0-R	—	0.83	—	—
11PH-SP83L-2-6-R	—	0.20	—	—
11PH-SP83L-2-12-R	—	0.27	—	—
11PH-SP83L-2-18-R	—	0.09	—	—
11PH-SP83L-2-24-R	—	ND [0.160]	—	—
11PH-SP83L-2-30-R	—	0.01	—	—
11PH-SP83L-3-0-R	—	0.65	—	—
11PH-SP83L-3-6-R	—	0.11	—	—
11PH-SP83L-3-12-R	—	0.25	—	—
11PH-SP83L-3-18-R	—	ND [0.152]	—	—
11PH-SP83L-3-24-R	—	ND [0.146]	—	—
11PH-SP83L-4-0-R	—	0.57	—	—
11PH-SP83L-4-6-R	—	0.20	—	—
11PH-SP83L-4-12-R	—	0.03	—	—
11PH-SP83L-4-18-R	—	ND [0.157]	—	—
11PH-SP83L-5-0-R	—	0.13	—	—
11PH-SP83L-5-0-R-Dup	—	0.13	—	—
11PH-SP83L-5-6-R	—	0.19	—	—
11PH-SP83L-5-12-R	—	0.03	—	—
11PH-SP83L-6-0-R	—	0.33	—	—
11PH-SP83L-6-6-R	—	0.12	—	—
11PH-SP61R-7-0-L	—	0.08	—	—
11PH-SP61R-6-0-L	—	0.15	—	—
11PH-SP61R-6-6-L	—	0.01	—	—
11PH-SP61R-5-0-L	—	0.11	—	—
11PH-SP61R-5-6-L	—	0.04	—	—
11PH-SP61R-5-12-L	—	ND [0.162]	—	—
11PH-SP61R-4-0-L	—	0.14	—	—
11PH-SP61R-4-6-L	—	0.06	—	—
11PH-SP61R-4-12-L	—	ND [0.143]	—	—
11PH-SP61R-4-18-L	—	ND [0.163]	—	—
11PH-SP61R-3-0-L	—	0.17	—	—
11PH-SP61R-3-6-L	—	ND [0.145]	—	—
11PH-SP61R-3-6-L-Dup	—	ND [0.139]	—	—
11PH-SP61R-3-12-L	—	ND [0.150]	—	—
11PH-SP61R-3-18-L	—	ND [0.148]	—	—
11PH-SP61R-2-0-L	—	0.22	—	—
11PH-SP61R-2-6-L	—	0.02	—	—
11PH-SP61R-2-12-L	—	ND [0.134]	—	—
11PH-SP61R-2-18-L	—	ND [0.147]	—	—
11PH-SP61R-2-24-L	—	ND [0.151]	—	—
11PH-SP61R-1-0-L	—	0.23	—	—
11PH-SP61R-1-6-L	—	0.05	—	—
11PH-SP61R-1-12-L	—	ND [0.140]	—	—
11PH-SP61R-1-18-L	—	ND [0.146]	—	—
11PH-SP61R-1-24-L	—	ND [0.157]	—	—
11PH-SP61R-1-30-L	—	ND [0.137]	—	—
11PH-SP61R-0-0-L	—	0.16	—	—
11PH-SP61R-0-6-L	—	0.21	—	—
11PH-SP61R-0-12-L	—	0.01	—	—
11PH-SP61R-0-18-L	—	ND [0.143]	—	—
11PH-SP61R-0-24-L	—	ND [0.155]	—	—
11PH-SP61R-0-30-L	—	ND [0.143]	—	—
11PH-SP61R-0-36-L	—	ND [0.139]	—	—
11PH-SP61R-0-0-C	—	0.19	—	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SP61R-0-6-C	—	0.15	—	—
11PH-SP61R-0-12-C	—	ND [0.139]	—	—
11PH-SP61R-0-18-C	—	ND [0.142]	—	—
11PH-SP61R-0-24-C	—	ND [0.144]	—	—
11PH-SP61R-0-30-C	—	ND [0.152]	—	—
11PH-SP61R-0-36-C	—	0.02	—	—
11PH-SP61R-0-0-R	—	0.20	—	—
11PH-SP61R-0-0-R-Dup	—	0.22	—	—
11PH-SP61R-0-6-R	—	0.12	—	—
11PH-SP61R-0-12-R	—	ND [0.158]	—	—
11PH-SP61R-0-18-R	—	ND [0.149]	—	—
11PH-SP61R-0-24-R	—	ND [0.141]	—	—
11PH-SP61R-0-30-R	—	ND [0.158]	—	—
11PH-SP61R-0-36-R	—	0.05	—	—
11PH-SP61R-1-0-R	—	0.21	—	—
11PH-SP61R-1-6-R	—	0.06	—	—
11PH-SP61R-1-12-R	—	ND [0.152]	—	—
11PH-SP61R-1-18-R	—	ND [0.136]	—	—
11PH-SP61R-1-24-R	—	ND [0.154]	—	—
11PH-SP61R-1-30-R	—	ND [0.166]	—	—
11PH-SP61R-2-0-R	—	0.14	—	—
11PH-SP61R-2-6-R	—	0.03	—	—
11PH-SP61R-2-12-R	—	ND [0.144]	—	—
11PH-SP61R-2-18-R	—	ND [0.153]	—	—
11PH-SP61R-2-24-R	—	ND [0.143]	—	—
11PH-SP61R-3-0-R	—	0.18	—	—
11PH-SP61R-3-6-R	—	ND [0.129]	—	—
11PH-SP61R-3-12-R	—	ND [0.146]	—	—
11PH-SP61R-3-18-R	—	ND [0.170]	—	—
11PH-SP61R-4-0-R	—	0.21	—	—
11PH-SP61R-4-6-R	—	0.11	—	—
11PH-SP61R-4-12-R	—	ND [0.133]	—	—
11PH-SP61R-4-18-R	—	ND [0.160]	—	—
11PH-SP61R-5-0-R	—	0.09	—	—
11PH-SP61R-5-6-R	—	ND [0.130]	—	—
11PH-SP61R-5-12-R	—	ND [0.160]	—	—
11PH-SP61R-6-0-R	—	0.07	—	—
11PH-SP61R-6-6-R	—	ND [0.168]	—	—
11PH-SP61R-7-0-R	—	0.07	—	—
11PH-SP35L-9-0-L	—	5.41	—	—
11PH-SP35L-8-0-L	—	7.44	—	—
11PH-SP35L-8-6-L	—	3.02	—	—
11PH-SP35L-7-0-L	—	9.03	—	—
11PH-SP35L-7-6-L	—	8.58	—	—
11PH-SP35L-7-12-L	—	2.93	—	—
11PH-SP35L-6-0-L	—	10.46	—	—
11PH-SP35L-6-6-L	—	15.66	—	—
11PH-SP35L-6-12-L	—	12.34	—	—
11PH-SP35L-5-0-L	—	17.02	—	—
11PH-SP35L-5-6-L	—	11.85	—	—
11PH-SP35L-5-12-L	—	3.30	—	—
11PH-SP35L-5-18-L	—	4.64	—	—
11PH-SP35L-4-0-L	—	6.77	—	—
11PH-SP35L-4-6-L	—	30.09	—	—
11PH-SP35L-4-12-L	—	5.14	—	—
11PH-SP35L-4-18-L	—	3.85	—	—
11PH-SP35L-4-24-L	—	1.44	—	—
11PH-SP35L-3-0-L	—	11.20	—	—
11PH-SP35L-3-6-L	—	7.96	—	—
11PH-SP35L-3-12-L	—	5.45	—	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SP35L-3-18-L	—	4.77	—	—
11PH-SP35L-3-24-L	—	4.86	—	—
11PH-SP35L-3-30-L	—	0.22	—	—
11PH-SP35L-2-0-L	—	17.10	—	—
11PH-SP35L-2-6-L	—	5.92	—	—
11PH-SP35L-2-12-L	—	5.13	—	—
11PH-SP35L-2-18-L	—	5.54	—	—
11PH-SP35L-2-24-L	—	2.29	—	—
11PH-SP35L-2-30-L	—	0.12	—	—
11PH-SP35L-1-0-L	—	10.57	—	—
11PH-SP35L-1-0-L-Dup	—	7.25	—	—
11PH-SP35L-1-6-L	—	6.73	—	—
11PH-SP35L-1-12-L	—	18.44	—	—
11PH-SP35L-1-18-L	—	1.71	—	—
11PH-SP35L-1-24-L	—	0.58	—	—
11PH-SP35L-1-30-L	—	0.07	—	—
11PH-SP35L-0-0-L	—	3.99	—	—
11PH-SP35L-0-6-L	—	5.30	—	—
11PH-SP35L-0-12-L	—	19.64	—	—
11PH-SP35L-0-18-L	—	65.82	—	—
11PH-SP35L-0-24-L	—	3.45	—	—
11PH-SP35L-0-30-L	—	0.21	—	—
11PH-SP35L-0-36-L	—	0.02	—	—
11PH-SP35L-0-0-C	—	2.79	—	—
11PH-SP35L-0-6-C	—	5.08	—	—
11PH-SP35L-0-12-C	—	14.21	—	—
11PH-SP35L-0-18-C	—	28.43	—	—
11PH-SP35L-0-24-C	—	0.84	—	—
11PH-SP35L-0-30-C	—	0.12	—	—
11PH-SP35L-0-36-C	—	0.07	—	—
11PH-SP35L-0-0-R	—	4.33	—	—
11PH-SP35L-0-6-R	—	7.28	—	—
11PH-SP35L-0-12-R	—	4.56	—	—
11PH-SP35L-0-12-R-Dup	—	4.93	—	—
11PH-SP35L-0-18-R	—	13.24	—	—
11PH-SP35L-0-24-R	—	1.74	—	—
11PH-SP35L-0-30-R	—	0.03	—	—
11PH-SP35L-0-36-R	—	0.22	—	—
11PH-SP35L-1-0-R	—	4.78	—	—
11PH-SP35L-1-6-R	—	6.47	—	—
11PH-SP35L-1-12-R	—	3.08	—	—
11PH-SP35L-1-18-R	—	1.04	—	—
11PH-SP35L-1-24-R	—	0.02	—	—
11PH-SP35L-1-30-R	—	0.06	—	—
11PH-SP35L-2-0-R	—	9.05	—	—
11PH-SP35L-2-6-R	—	2.40	—	—
11PH-SP35L-2-12-R	—	4.32	—	—
11PH-SP35L-2-18-R	—	1.51	—	—
11PH-SP35L-2-24-R	—	0.03	—	—
11PH-SP35L-2-30-R	—	0.05	—	—
11PH-SP35L-3-0-R	—	9.69	—	—
11PH-SP35L-3-6-R	—	9.84	—	—
11PH-SP35L-3-12-R	—	3.92	—	—
11PH-SP35L-3-18-R	—	5.60	—	—
11PH-SP35L-3-24-R	—	0.87	—	—
11PH-SP35L-3-30-R	—	0.28	—	—
11PH-SP35L-4-0-R	—	4.07	—	—
11PH-SP35L-4-6-R	—	3.56	—	—
11PH-SP35L-4-12-R	—	2.29	—	—
11PH-SP35L-4-18-R	—	5.04	—	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SP35L-4-24-R	—	1.06	—	—
11PH-SP35L-5-0-R	—	4.13	—	—
11PH-SP35L-5-6-R	—	13.42	—	—
11PH-SP35L-5-12-R	—	2.72	—	—
11PH-SP35L-5-18-R	—	2.32	—	—
11PH-SP35L-6-0-R	—	10.07	—	—
11PH-SP35L-6-6-R	—	10.79	—	—
11PH-SP35L-6-12-R	—	8.13	—	—
11PH-SP35L-7-0-R	—	6.36	—	—
11PH-SP35L-7-6-R	—	3.52	—	—
11PH-SP35L-7-12-R	—	5.12	—	—
11PH-SP35L-8-0-R	—	11.74	—	—
11PH-SP35L-8-6-R	—	1.88	—	—
11PH-SP35L-9-0-R	—	9.57	—	—
11PH-SP27R-5-0-L	—	5.22	—	—
11PH-SP27R-4-0-L	—	5.92	—	—
11PH-SP27R-4-6-L	—	4.73	—	—
11PH-SP27R-3-0-L	—	4.70	—	—
11PH-SP27R-3-6-L	—	2.20	—	—
11PH-SP27R-3-12-L	—	0.80	—	—
11PH-SP27R-2-0-L	—	9.03	—	—
11PH-SP27R-2-6-L	—	2.29	—	—
11PH-SP27R-2-6-L-Dup	—	2.43	—	—
11PH-SP27R-2-12-L	—	0.10	—	—
11PH-SP27R-2-18-L	—	0.01	—	—
11PH-SP27R-1-0-L	—	1.66	—	—
11PH-SP27R-1-6-L	—	0.13	—	—
11PH-SP27R-1-12-L	—	2.80	—	—
11PH-SP27R-1-18-L	—	0.01	—	—
11PH-SP27R-1-24-L	—	0.02	—	—
11PH-SP27R-0-0-L	—	0.96	—	—
11PH-SP27R-0-6-L	—	2.34	—	—
11PH-SP27R-0-12-L	—	2.28	—	—
11PH-SP27R-0-18-L	—	0.25	—	—
11PH-SP27R-0-24-L	—	0.06	—	—
11PH-SP27R-0-30-L	—	ND [0.159]	—	—
11PH-SP27R-0-0-C	—	1.92	—	—
11PH-SP27R-0-6-C	—	3.58	—	—
11PH-SP27R-0-12-C	—	1.80	—	—
11PH-SP27R-0-18-C	—	0.10	—	—
11PH-SP27R-0-24-C	—	0.26	—	—
11PH-SP27R-0-30-C	—	ND [0.160]	—	—
11PH-SP27R-0-0-R	—	3.86	—	—
11PH-SP27R-0-6-R	—	2.94	—	—
11PH-SP27R-0-12-R	—	2.12	—	—
11PH-SP27R-0-18-R	—	0.05	—	—
11PH-SP27R-0-24-R	—	0.10	—	—
11PH-SP27R-0-30-R	—	0.09	—	—
11PH-SP27R-1-0-R	—	3.28	—	—
11PH-SP27R-1-0-R-Dup	—	2.76	—	—
11PH-SP27R-1-6-R	—	2.67	—	—
11PH-SP27R-1-12-R	—	3.18	—	—
11PH-SP27R-1-18-R	—	0.03	—	—
11PH-SP27R-1-24-R	—	0.05	—	—
11PH-SP27R-2-0-R	—	6.85	—	—
11PH-SP27R-2-6-R	—	5.31	—	—
11PH-SP27R-2-12-R	—	1.62	—	—
11PH-SP27R-2-18-R	—	0.06	—	—
11PH-SP27R-3-0-R	—	5.45	—	—
11PH-SP27R-3-6-R	—	3.41	—	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SP27R-3-12-R	—	0.06	—	—
11PH-SP27R-4-0-R	—	5.21	—	—
11PH-SP27R-4-6-R	—	4.12	—	—
11PH-SP27R-5-0-R	—	2.53	—	—
11PH-SP16R-4-0-L	—	8.10	—	—
11PH-SP16R-3-0-L	—	7.37	—	—
11PH-SP16R-3-6-L	—	1.00	—	—
11PH-SP16R-2-0-L	—	7.26	—	—
11PH-SP16R-2-6-L	—	4.54	—	—
11PH-SP16R-2-12-L	—	0.19	—	—
11PH-SP16R-1-0-L	—	7.87	—	—
11PH-SP16R-1-6-L	—	10.80	—	—
11PH-SP16R-1-12-L	—	1.65	—	—
11PH-SP16R-1-18-L	—	0.22	—	—
11PH-SP16R-0-0-L	—	14.74	—	—
11PH-SP16R-0-6-L	—	20.18	—	—
11PH-SP16R-0-12-L	—	4.27	—	—
11PH-SP16R-0-18-L	—	0.46	—	—
11PH-SP16R-0-24-L	—	0.25	—	—
11PH-SP16R-0-0-C	—	6.86	—	—
11PH-SP16R-0-6-C	—	15.47	—	—
11PH-SP16R-0-12-C	—	9.01	—	—
11PH-SP16R-0-18-C	—	0.61	—	—
11PH-SP16R-0-24-C	—	0.99	—	—
11PH-SP16R-0-0-R	—	8.03	—	—
11PH-SP16R-0-6-R	—	16.78	—	—
11PH-SP16R-0-12-R	—	6.28	—	—
11PH-SP16R-0-18-R	—	3.22	—	—
11PH-SP16R-0-24-R	—	1.03	—	—
11PH-SP16R-1-0-R	—	7.36	—	—
11PH-SP16R-1-6-R	—	6.36	—	—
11PH-SP16R-1-12-R	—	2.08	—	—
11PH-SP16R-1-18-R	—	0.59	—	—
11PH-SP16R-2-0-R	—	7.54	—	—
11PH-SP16R-2-6-R	—	6.21	—	—
11PH-SP16R-2-12-R	—	0.28	—	—
11PH-SP16R-3-0-R	—	10.72	—	—
11PH-SP16R-3-0-R-Dup	—	12.14	—	—
11PH-SP16R-3-6-R	—	0.13	—	—
11PH-SP16R-4-0-R	—	2.73	—	—
11PH-SS01-L-6	11PH-SS001-L-6	1.37	2.480	1.806
11PH-SS01-L-12	11PH-SS001-L-12	0.83	1.470	1.780
11PH-SS01-R-6	11PH-SS001-R-6	4.43	9.990	2.256
11PH-SS01-R-12	11PH-SS001-R-12	0.98	1.560	1.597
11PH-SS02-L-6	11PH-SS002-L-6	0.13	0.271	2.022
11PH-SS02-L-12	11PH-SS002-L-12	0.06	0.097	1.591
11PH-SS02-R-6	11PH-SS002-R-6	2.11	9.240	4.381
11PH-SS02-R-12	11PH-SS002-R-12	1.26	2.530	2.011
11PH-SS03-L-6	11PH-SS003-L-6	2.57	6.420	2.497
11PH-SS03-L-12	11PH-SS003-L-12	5.52	11.600	2.100
11PH-SS03-R-6	11PH-SS003-R-6	1.81	6.420	3.555
11PH-SS03-R-12	11PH-SS003-R-12	1.39	3.570	2.570
11PH-SS04-L-6	11PH-SS004-L-6	3.50	8.650	2.473
11PH-SS04-L-12	11PH-SS004-L-12	10.52	6.200	0.590
11PH-SS04-R-6	11PH-SS004-R-6	1.76	5.410	3.081
11PH-SS04-R-12	11PH-SS004-R-12	0.81	2.750	3.407
11PH-SS05-L-6	11PH-SS005-L-6	2.19	5.960	2.727
11PH-SS05-L-12	11PH-SS005-L-12	1.64	3.220	1.959
11PH-SS05-R-6	11PH-SS005-R-6	1.13	3.410	3.026
11PH-SS05-R-12	11PH-SS005-R-12	0.64	1.530	2.380

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SS06-L-6	11PH-SS006-L-6	1.41	3.810	2.699
11PH-SS06-L-12	11PH-SS006-L-12	0.92	1.740	1.882
11PH-SS06-R-6	11PH-SS006X-R-6	0.69	1.900	2.771
11PH-SS06-R-12	11PH-SS006-R-12	0.47	1.190	2.517
11PH-SS07-L-6	11PH-SS007-L-6	0.79	1.430	1.819
11PH-SS07-L-12	11PH-SS007-L-12	0.92	1.590	1.723
11PH-SS07-R-6	11PH-SS007-R-6	1.18	3.600	3.062
11PH-SS07-R-12	11PH-SS007-R-12	0.25	0.580	2.321
11PH-SS08-L-6	11PH-SS008-L-6	0.80	1.340	1.680
11PH-SS08-L-12	11PH-SS008-L-12	3.17	6.680	2.105
11PH-SS08-R-6	11PH-SS008-R-6	2.05	69.500	33.837
11PH-SS08-R-12	–	20.91	–	–
11PH-SS09-L-6	11PH-SS009-L-6	1.75	4.160	2.375
11PH-SS09-L-12	11PH-SS009-L-12	1.88	5.130	2.730
11PH-SS09-R-6	11PH-SS009-R-6	2.08	3.850	1.850
11PH-SS09-R-6-Dup	–	1.69	–	–
11PH-SS09-R-12	11PH-SS009-R-12	1.00	2.240	2.251
11PH-SS10-L-6	11PH-SS010-L-6	2.22	5.400	2.438
11PH-SS10-L-12	11PH-SS010-L-12	4.70	7.590	1.614
11PH-SS10-R-6	11PH-SS010-R-6	1.54	2.560	1.660
11PH-SS10-R-12	11PH-SS010-R-12	0.28	0.884	3.211
11PH-SS11-L-6	11PH-SS011-L-6	1.67	4.620	2.767
11PH-SS11-L-12	11PH-SS011-L-12	2.80	2.560	0.915
11PH-SS11-R-6	11PH-SS011-R-6	1.23	2.450	1.989
11PH-SS11-R-12	11PH-SS011-R-12	1.80	4.170	2.320
11PH-SS12-L-6	11PH-SS012-L-6	1.37	3.950	2.876
11PH-SS12-L-12	11PH-SS012-L-12	2.68	5.860	2.190
11PH-SS12-R-6	11PH-SS012-R-6	1.37	4.590	3.361
11PH-SS12-R-12	11PH-SS012-R-12	3.36	6.040	1.800
11PH-SS13-L-6	11PH-SS013-L-6	1.69	3.640	2.157
11PH-SS13-L-12	11PH-SS013-L-12	1.24	2.170	1.745
11PH-SS13-R-6	11PH-SS013-R-6	1.26	1.830	1.451
11PH-SS13-R-12	11PH-SS013-R-12	1.32	3.710	2.815
11PH-SS14-L-6	11PH-SS014-L-6	2.91	6.820	2.342
11PH-SS14-L-12	11PH-SS014-L-12	1.53	3.450	2.248
11PH-SS14-R-6	–	0.44	–	–
11PH-SS14-R-6-Dup	11PH-SS014-R-6	0.66	1.160	1.753
11PH-SS14-R-12	11PH-SS014-R-12	0.06	0.069	1.152
11PH-SS15-L-6	11PH-SS015-L-6	2.83	5.460	1.931
11PH-SS15-L-12	11PH-SS015-L-12	2.31	4.450	1.923
11PH-SS15-R-6	11PH-SS015-R-6	0.67	1.840	2.739
11PH-SS15-R-12	11PH-SS015-R-12	0.14	0.240	1.724
11PH-SS16-L-6	11PH-SS016-L-6	1.63	3.040	1.861
11PH-SS16-L-12	11PH-SS016-L-12	3.38	9.150	2.709
11PH-SS16-R-6	11PH-SS016-R-6	2.38	3.400	1.426
11PH-SS16-R-12	11PH-SS016-R-12	2.10	3.000	1.430
11PH-SS17-L-6	11PH-SS017-L-6	2.60	4.590	1.765
11PH-SS17-L-12	11PH-SS017-L-12	1.46	2.570	1.763
11PH-SS17-R-6	11PH-SS017-R-6	3.37	9.040	2.681
11PH-SS17-R-12	11PH-SS017-R-12	1.06	3.750	3.538
11PH-SS18-L-6	11PH-SS018-L-6	0.72	1.840	2.548
11PH-SS18-L-12	11PH-SS018X-L-12	2.48	4.780	1.930
–	11PH-SS018-L-12	–	3.510	–
11PH-SS18-R-6	11PH-SS018-R-6	0.95	1.640	1.728
11PH-SS18-R-12	11PH-SS018-R-12	0.74	1.970	2.648
11PH-SS19-L-6	11PH-SS019-L-6	1.55	4.050	2.607
11PH-SS19-L-12	11PH-SS019-L-12	2.57	7.160	2.786
11PH-SS19-R-6	11PH-SS019-R-6	1.23	2.710	2.207
11PH-SS19-R-12	11PH-SS019-R-12	1.10	3.040	2.756
11PH-SS20-L-6	11PH-SS020-L-6	0.84	1.560	1.856

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SS20-L-12	11PH-SS020-L-12	3.11	6.230	2.003
11PH-SS20-R-6	11PH-SS020-R-6	1.31	3.500	2.672
11PH-SS20-R-12	11PH-SS020-R-12	1.12	1.740	1.555
11PH-SS21-L-6	11PH-SS021-L-6	1.11	2.530	2.275
11PH-SS21-L-12	11PH-SS021-L-12	10.28	24.200	2.355
11PH-SS21-R-6	11PH-SS021-R-6	1.88	4.560	2.420
11PH-SS21-R-12	11PH-SS021-R-12	2.01	4.750	2.365
11PH-SS22-L-6	11PH-SS022-L-6	1.56	3.050	1.950
11PH-SS22-L-12	11PH-SS022-L-12	5.35	11.200	2.092
11PH-SS22-R-6	11PH-SS022-R-6	2.51	3.660	1.456
11PH-SS22-R-12	11PH-SS022-R-12	1.57	3.830	2.442
11PH-SS23-L-6	11PH-SS023-L-6	2.52	4.650	1.845
11PH-SS23-L-12	11PH-SS023-L-12	12.50	25.600	2.047
11PH-SS23-R-6	11PH-SS023-R-6	2.66	7.800	2.933
11PH-SS23-R-12	11PH-SS023-R-12	1.86	6.760	3.630
11PH-SS24-L-6	11PH-SS024-L-6	6.83	13.400	1.962
11PH-SS24-L-12	-	9.20	-	-
11PH-SS24-L-12-Dup	11PH-SS024-L-12	9.96	17.000	1.707
11PH-SS24-R-6	11PH-SS024-R-6	2.80	5.290	1.892
11PH-SS24-R-12	11PH-SS024-R-12	3.25	5.460	1.682
11PH-SS25-L-6	11PH-SS025-L-6	3.07	6.040	1.966
11PH-SS25-L-12	11PH-SS025-L-12	6.84	10.300	1.506
11PH-SS25-R-6	11PH-SS025-R-6	1.92	2.690	1.401
11PH-SS25-R-12	11PH-SS025-R-12	0.40	0.752	1.882
11PH-SS26-L-6	11PH-SS026-L-6	3.40	6.460	1.900
11PH-SS26-L-12	11PH-SS026-L-12	3.84	6.610	1.720
11PH-SS26-R-6	11PH-SS026-R-6	3.33	6.650	1.997
11PH-SS26-R-12	11PH-SS026-R-12	1.40	3.120	2.234
11PH-SS27-L-6	11PH-SS027-L-6	0.56	1.300	2.338
11PH-SS27-L-12	11PH-SS027-L-12	2.32	3.930	1.694
11PH-SS27-R-6	11PH-SS027-R-6	0.80	1.720	2.139
11PH-SS27-R-12	11PH-SS027-R-12	1.03	2.150	2.093
11PH-SS28-L-6	11PH-SS028-L-6	0.09	0.277	3.223
11PH-SS28-L-12	11PH-SS028-L-12	1.31	3.070	2.336
11PH-SS28-R-6	11PH-SS028-R-6	0.01	ND [0.063]	-
11PH-SS28-R-12	11PH-SS028-R-12	0.01	0.036	4.545
11PH-SS29-L-6	11PH-SS029-L-6	4.11	11.200	2.728
11PH-SS29-L-12	11PH-SS029-L-12	2.97	5.090	1.714
11PH-SS29-R-6	11PH-SS029-R-6	2.71	4.530	1.670
11PH-SS29-R-12	11PH-SS029-R-12	0.75	1.800	2.387
11PH-SS30-L-6	11PH-SS030-L-6	2.72	4.830	1.778
11PH-SS30-L-12	11PH-SS030-L-12	2.26	4.330	1.913
11PH-SS30-R-6	11PH-SS030-R-6	2.73	4.200	1.541
11PH-SS30-R-12	11PH-SS030-R-12	2.98	7.500	2.519
11PH-SS31-L-6	11PH-SS031-L-6	2.85	6.650	2.330
11PH-SS31-L-12	11PH-SS031-L-12	3.48	4.650	1.335
11PH-SS31-R-6	11PH-SS031-R-6	1.97	3.680	1.869
11PH-SS31-R-12	11PH-SS031-R-12	6.69	20.500	3.066
11PH-SS32-L-6	11PH-SS032-L-6	2.76	7.530	2.729
11PH-SS32-L-12	11PH-SS032-L-12	2.35	4.700	1.997
11PH-SS32-R-6	11PH-SS032-R-6	2.98	5.060	1.698
11PH-SS32-R-12	11PH-SS032-R-12	2.12	4.470	2.111
11PH-SS33-L-6	11PH-SS033-L-6	4.11	13.100	3.185
11PH-SS33-L-12	11PH-SS033-L-12	6.04	11.300	1.871
11PH-SS33-R-6	11PH-SS033-R-6	0.98	3.260	3.339
11PH-SS33-R-12	11PH-SS033-R-12	1.71	3.670	2.141
11PH-SS34-L-6	11PH-SS034-L-6	3.20	5.940	1.857
11PH-SS34-L-12	11PH-SS034-L-12	3.45	6.470	1.877
11PH-SS34-R-6	11PH-SS034-R-6	0.74	1.300	1.748
11PH-SS34-R-12	11PH-SS034-R-12	2.73	7.290	2.674

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SS35-L-6	11PH-SS035-L-6	2.86	6.100	2.132
11PH-SS35-L-12	11PH-SS035-L-12	3.37	5.420	1.611
11PH-SS35-R-6	11PH-SS035X-R-6	2.76	5.850	2.119
11PH-SS35-R-12	11PH-SS035-R-12	2.51	3.820	1.521
11PH-SS36-L-6	11PH-SS036-L-6	1.77	3.620	2.041
11PH-SS36-L-12	11PH-SS036-L-12	3.19	6.570	2.058
11PH-SS36-R-6	11PH-SS036-R-6	2.07	5.770	2.786
11PH-SS36-R-12	11PH-SS036-R-12	3.31	5.510	1.666
11PH-SS37-L-6	11PH-SS037-L-6	2.86	9.460	3.310
11PH-SS37-L-12	11PH-SS037-L-12	2.64	5.620	2.132
11PH-SS37-R-6	11PH-SS037-R-6	1.74	3.660	2.108
11PH-SS37-R-12	11PH-SS037-R-12	3.64	5.700	1.564
11PH-SS37-R-12-Dup	–	3.06	–	–
11PH-SS38-L-6	11PH-SS038-L-6	3.34	6.470	1.939
11PH-SS38-L-12	11PH-SS038X-L-12	5.43	11.100	2.043
–	11PH-SS038-L-12	–	9.380	–
11PH-SS38-R-6	11PH-SS038-R-6	0.46	1.160	2.532
11PH-SS38-R-12	11PH-SS038-R-12	3.94	9.590	2.435
11PH-SS39-L-6	11PH-SS039-L-6	3.83	8.640	2.258
11PH-SS39-L-12	11PH-SS039-L-12	4.92	12.300	2.499
11PH-SS39-R-6	11PH-SS039-R-6	6.44	32.800	5.092
11PH-SS39-R-12	11PH-SS039-R-12	6.97	15.800	2.267
11PH-SS40-L-6	11PH-SS040-L-6	2.68	6.950	2.598
11PH-SS40-L-12	11PH-SS040-L-12	3.15	9.060	2.878
11PH-SS40-R-6	–	2.17	–	–
11PH-SS40-R-6-Dup	11PH-SS040-R-6	2.20	5.710	2.590
11PH-SS40-R-12	11PH-SS040-R-12	1.10	3.600	3.285
11PH-SS41-L-6	11PH-SS041-L-6	1.55	3.270	2.107
11PH-SS41-L-12	11PH-SS041-L-12	1.39	3.520	2.540
11PH-SS41-R-6	11PH-SS041-R-6	0.53	1.590	2.999
11PH-SS41-R-12	11PH-SS041-R-12	0.36	1.740	4.768
11PH-SS42-L-6	11PH-SS042-L-6	0.61	1.020	1.667
11PH-SS42-L-12	11PH-SS042-L-12	0.75	1.700	2.269
11PH-SS42-R-6	11PH-SS042-R-6	0.49	0.922	1.873
11PH-SS42-R-12	11PH-SS042-R-12	0.24	0.726	2.973
11PH-SS43-L-6	11PH-SS043-L-6	0.29	0.480	1.660
11PH-SS43-L-12	11PH-SS043-L-12	0.36	0.555	1.555
11PH-SS43-R-6	11PH-SS043-R-6	0.23	0.387	1.652
11PH-SS43-R-12	11PH-SS043-R-12	0.11	0.228	2.079
11PH-SS44-L-6	11PH-SS044-L-6	0.22	0.640	2.876
11PH-SS44-L-12	11PH-SS044-L-12	0.23	0.441	1.893
11PH-SS44-R-6	11PH-SS044-R-6	0.29	0.570	1.940
11PH-SS44-R-12	11PH-SS044-R-12	0.10	0.327	3.235
11PH-SS45-L-6	11PH-SS045-L-6	0.19	0.379	1.973
11PH-SS45-L-12	11PH-SS045-L-12	0.21	0.362	1.715
11PH-SS45-R-6	11PH-SS045-R-6	0.13	0.371	2.825
11PH-SS45-R-12	11PH-SS045-R-12	0.04	0.141	3.695
11PH-SS46-L-6	11PH-SS046-L-6	0.12	0.198	1.686
11PH-SS46-L-12	11PH-SS046-L-12	0.09	0.148	1.608
11PH-SS46-R-6	11PH-SS046-R-6	0.09	0.175	1.906
11PH-SS46-R-12	11PH-SS046-R-12	0.01	ND [0.062]	–
11PH-SS47-L-6	11PH-SS047-L-6	0.14	0.224	1.548
11PH-SS47-L-12	11PH-SS047-L-12	0.11	0.178	1.551
11PH-SS47-R-6	11PH-SS047X-R-6	0.13	0.233	1.728
11PH-SS47-R-12	11PH-SS047-R-12	0.09	0.155	1.796
11PH-SS48-L-6	11PH-SS048-L-6	0.16	0.329	2.026
11PH-SS48-L-12	11PH-SS048-L-12	0.13	0.207	1.655
11PH-SS48-R-6	11PH-SS048-R-6	0.18	0.344	1.929
11PH-SS48-R-12	11PH-SS048-R-12	0.10	0.169	1.622
11PH-SS49-L-6	11PH-SS049-L-6	0.20	0.337	1.652

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SS49-L-12	11PH-SS049-L-12	0.07	0.106	1.519
11PH-SS49-R-6	11PH-SS049-R-6	0.16	0.223	1.429
11PH-SS49-R-12	11PH-SS049-R-12	0.11	0.208	1.842
11PH-SS50-L-6	11PH-SS050-L-6	0.19	0.290	1.535
11PH-SS50-L-12	11PH-SS050-L-12	0.10	0.155	1.577
11PH-SS50-R-6	11PH-SS050-R-6	0.15	0.235	1.595
11PH-SS50-R-12	11PH-SS050-R-12	0.16	0.277	1.756
11PH-SS51-L-6	11PH-SS051-L-6	0.17	0.288	1.717
11PH-SS51-L-12	11PH-SS051-L-12	0.09	0.133	1.405
11PH-SS51-R-6	11PH-SS051-R-6	0.16	0.230	1.438
11PH-SS51-R-12	11PH-SS051-R-12	0.05	0.112	2.148
11PH-SS52-L-6	11PH-SS052-L-6	0.10	0.159	1.585
11PH-SS52-L-12	11PH-SS052-L-12	0.10	0.157	1.540
11PH-SS52-R-6	11PH-SS052-R-6	0.09	0.095	1.030
11PH-SS52-R-12	11PH-SS052-R-12	0.05	0.046	0.891
–	11PH-SS075-L-12	–	0.048	–
11PH-SS53-L-6	11PH-SS053-L-6	0.08	0.097	1.163
–	11PH-GP015-C-0-2	–	0.050	–
11PH-SS53-L-12	11PH-SS053-L-12	0.09	0.109	1.199
11PH-SS53-R-6	11PH-SS053-R-6	0.06	0.062	0.991
11PH-SS53-R-12	11PH-SS053-R-12	0.05	0.063	1.369
11PH-SS54-L-6	11PH-SS054X-L-6	0.08	0.152	1.915
11PH-SS54-L-12	11PH-SS054-L-12	0.12	0.156	1.303
11PH-SS54-R-6	11PH-SS054-R-6	0.04	0.033	0.789
11PH-SS54-R-12	11PH-SS054-R-12	0.04	ND [0.058]	–
–	11PH-GP075-C-4-6	–	0.033	–
–	11PH-GP079-C-4-6	–	0.033	–
11PH-SS55-L-6	–	0.07	–	–
11PH-SS55-L-12	11PH-SS055-L-12	0.09	0.124	1.391
11PH-SS55-R-6	11PH-SS055-R-6	0.18	0.217	1.205
11PH-SS55-R-12	11PH-SS055-R-12	0.02	ND [0.058]	–
11PH-SS56-L-6	11PH-SS056-L-6	0.07	0.075	1.119
11PH-SS56-L-12	11PH-SS056-L-12	0.10	0.140	1.392
11PH-SS56-R-6	11PH-SS056-R-6	0.06	0.070	1.246
11PH-SS56-R-12	11PH-SS056-R-12	0.02	ND [0.057]	–
11PH-SS57-L-6	11PH-SS057-L-6	0.09	0.092	1.035
11PH-SS57-L-12	11PH-SS057X-L-12	0.08	0.143	1.693
11PH-SS57-R-6	11PH-SS057-R-6	0.07	0.090	1.262
11PH-SS57-R-12	–	0.03	–	–
11PH-SS57-R-12-Dup	11PH-SS057-R-12	0.04	0.029	0.732
–	11PH-GP078-R-0-2	–	0.031	–
11PH-SS58-L-6	11PH-SS058-L-6	0.08	0.211	2.598
11PH-SS58-L-12	11PH-SS058-L-12	0.11	0.211	1.936
11PH-SS58-R-6	11PH-SS058-R-6	0.06	0.063	1.043
11PH-SS58-R-12	–	0.02	–	–
11PH-SS59-L-6	11PH-SS059-L-6	0.09	0.173	1.892
11PH-SS59-L-12	11PH-SS059-L-12	0.13	0.249	1.864
11PH-SS59-R-6	11PH-SS059-R-6	0.07	0.110	1.500
11PH-SS59-R-12	11PH-SS059-R-12	0.07	0.106	1.541
–	11PH-SS057-L-12	–	0.106	–
11PH-SS60-L-6	11PH-SS060-L-6	0.11	0.295	2.609
11PH-SS60-L-12	11PH-SS060-L-12	0.14	0.215	1.560
11PH-SS60-R-6	11PH-SS060-R-6	0.11	0.170	1.541
11PH-SS60-R-12	11PH-SS060-R-12	0.03	0.058	1.954
11PH-SS61-L-6	11PH-SS061-L-6	0.13	0.265	2.010
11PH-SS61-L-12	11PH-SS061-L-12	0.13	0.219	1.736
11PH-SS61-R-6	11PH-SS061-R-6	0.09	0.131	1.497
11PH-SS61-R-12	11PH-SS061-R-12	0.04	0.086	2.195
11PH-SS62-L-6	11PH-SS062-L-6	0.19	0.326	1.759
11PH-SS62-L-12	11PH-SS062-L-12	0.10	0.209	2.136

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SS62-R-6	11PH-SS062-R-6	0.09	0.171	1.837
–	11PH-SS047-R-6	–	0.209	–
11PH-SS62-R-12	11PH-SS062-R-12	0.01	0.034	2.277
11PH-SS63-L-6	11PH-SS063-L-6	0.11	0.218	2.021
11PH-SS63-L-12	11PH-SS063-L-12	0.07	0.196	2.742
11PH-SS63-R-6	11PH-SS063-R-6	0.13	0.309	2.353
11PH-SS63-R-12	11PH-SS063-R-12	0.02	0.041	1.886
11PH-SS64-L-6	11PH-SS064X-L-6	0.02	0.032	2.004
11PH-SS64-L-12	11PH-SS064-L-12	0.05	0.097	2.034
11PH-SS64-R-6	11PH-SS064-R-6	0.17	0.389	2.272
11PH-SS64-R-12	11PH-SS064-R-12	0.15	0.323	2.224
11PH-SS65-L-6	11PH-SS065-L-6	0.08	0.177	2.329
–	11PH-GP088-R-0-2	–	0.325	–
11PH-SS65-L-12	11PH-SS065-L-12	0.07	0.186	2.556
11PH-SS65-R-6	11PH-SS065-R-6	0.27	0.798	2.991
11PH-SS65-R-12	11PH-SS065-R-12	0.02	0.051	2.580
11PH-SS66-L-6	11PH-SS066-L-6	0.12	0.259	2.174
11PH-SS66-L-12	11PH-SS066-L-12	0.05	0.109	2.181
11PH-SS66-R-6	11PH-SS066-R-6	0.17	0.464	2.688
11PH-SS66-R-12	11PH-SS066-R-12	0.05	0.119	2.533
–	11PH-SS082X-L-12	–	0.120	–
11PH-SS67-L-6	11PH-SS067-L-6	0.11	0.180	1.666
11PH-SS67-L-12	11PH-SS067-L-12	0.03	0.064	1.924
–	11PH-GP075-C-0-2	–	0.180	–
11PH-SS67-L-12-Dup	–	0.03	–	–
11PH-SS67-R-6	11PH-SS067-R-6	0.27	0.556	2.026
11PH-SS67-R-12	11PH-SS067-R-12	0.06	0.221	3.702
11PH-SS68-L-6	11PH-SS068-L-6	0.12	0.171	1.381
11PH-SS68-L-12	11PH-SS068-L-12	0.02	ND [0.059]	–
11PH-SS68-R-6	11PH-SS068-R-6	0.13	0.208	1.574
11PH-SS68-R-12	11PH-SS068-R-12	0.04	0.075	2.089
–	11PH-GP030-C-0-2	–	0.077	–
11PH-SS69-L-6	11PH-SS069-L-6	0.17	0.345	2.074
–	11PH-SS055-L-6	–	0.080	–
11PH-SS69-L-12	11PH-SS069-L-12	0.09	0.139	1.587
–	11PH-TU024X-L4-A-6	–	0.346	–
11PH-SS69-R-6	11PH-SS069X-R-6	0.09	0.155	1.811
11PH-SS69-R-12	11PH-SS069-R-12	0.05	0.135	2.539
11PH-SS70-L-6	11PH-SS070-L-6	0.10	0.154	1.503
11PH-SS70-L-12	11PH-SS070-L-12	0.01	ND [0.061]	–
11PH-SS70-R-6	11PH-SS070-R-6	0.10	0.167	1.671
11PH-SS70-R-12	11PH-SS070-R-12	0.04	0.060	1.582
11PH-SS71-L-6	11PH-SS071-L-6	0.11	0.203	1.852
11PH-SS71-L-12	11PH-SS071-L-12	0.02	0.033	1.816
11PH-SS71-R-6	11PH-SS071-R-6	0.07	0.149	2.016
11PH-SS71-R-12	11PH-SS071-R-12	0.03	0.044	1.688
11PH-SS72-L-6	–	0.17	–	–
11PH-SS72-L-6-Dup	11PH-SS072-L-6	0.19	0.362	1.906
11PH-SS72-L-12	11PH-SS072-L-12	0.03	0.091	2.624
11PH-SS72-R-6	11PH-SS072-R-6	0.12	0.243	2.085
11PH-SS72-R-12	11PH-SS072-R-12	0.07	0.110	1.664
–	11PH-GP065-C-0-2	–	0.247	–
11PH-SS73-L-6	11PH-SS073-L-6	0.09	0.223	2.621
11PH-SS73-L-12	11PH-SS073-L-12	0.03	0.052	1.775
–	11PH-GP087-L-0-2	–	0.223	–
11PH-SS73-R-6	11PH-SS073-R-6	0.07	0.154	2.187
11PH-SS73-R-12	11PH-SS073-R-12	0.03	0.041	1.511
11PH-SS74-L-6	11PH-SS074-L-6	0.08	0.193	2.417
11PH-SS74-L-12	11PH-SS074-L-12	0.04	0.041	1.096
–	11PH-GP079-C-2-4	–	0.042	–

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SS74-R-6	11PH-SS074-R-6	0.04	0.089	2.109
11PH-SS74-R-12	11PH-SS074-R-12	0.02	0.045	2.375
11PH-SS75-L-6	11PH-SS075-L-6	0.06	0.121	2.164
11PH-SS75-L-12	11PH-SS075X-L-12	0.04	0.053	1.407
11PH-SS75-R-6	11PH-SS075-R-6	0.07	0.149	2.185
11PH-SS75-R-12	11PH-SS075-R-12	0.07	0.130	1.896
11PH-SS76-L-6	11PH-SS076X-L-6	0.10	0.171	1.734
11PH-SS76-L-12	11PH-SS076-L-12	0.04	0.044	1.207
11PH-SS76-R-6	11PH-SS076-R-6	0.11	0.151	1.377
11PH-SS76-R-12	11PH-SS076-R-12	0.05	0.060	1.292
11PH-SS77-L-6	11PH-SS077-L-6	0.10	0.183	1.795
11PH-SS77-L-12	11PH-SS077-L-12	0.04	0.058	1.469
11PH-SS77-R-6	11PH-SS077-R-6	0.16	0.170	1.079
11PH-SS77-R-12	11PH-SS077-R-12	0.05	0.064	1.358
–	11PH-GP086-R-0-2	–	0.065	–
11PH-SS78-L-6	11PH-SS078-L-6	0.11	0.221	1.969
11PH-SS78-L-12	11PH-SS078-L-12	0.06	0.093	1.484
11PH-SS78-R-6	11PH-SS078-R-6	0.10	0.166	1.596
–	11PH-SS076-L-6	–	0.166	–
11PH-SS78-R-12	11PH-SS078-R-12	0.13	0.190	1.504
11PH-SS79-L-6	11PH-SS079-L-6	0.13	0.254	2.022
11PH-SS79-L-12	11PH-SS079-L-12	0.05	0.093	1.846
–	11PH-SS054-L-6	–	0.094	–
11PH-SS79-R-6	11PH-SS079-R-6	0.13	0.122	0.911
11PH-SS79-R-12	11PH-SS079-R-12	0.09	0.131	1.516
11PH-SS80-L-6	11PH-SS080-L-6	0.17	0.273	1.564
11PH-SS80-L-12	11PH-SS080-L-12	0.18	0.353	1.982
11PH-SS80-R-6	11PH-SS080-R-6	0.12	0.161	1.400
11PH-SS80-R-12	11PH-SS080-R-12	0.07	0.093	1.262
–	11PH-GP025-C-0-2	–	0.161	–
11PH-SS81-L-6	11PH-SS081-L-6	0.27	0.529	1.984
11PH-SS81-L-12	11PH-SS081-L-12	0.05	0.083	1.559
11PH-SS81-R-6	11PH-SS081-R-6	0.14	0.273	1.920
11PH-SS81-R-12	11PH-SS081-R-12	0.10	0.111	1.136
11PH-SS82-L-6	11PH-SS082-L-6	0.22	0.310	1.431
11PH-SS82-L-12	11PH-SS082-L-12	0.10	0.124	1.239
–	11PH-SS069-R-6	–	0.129	–
11PH-SS82-R-6	11PH-SS082-R-6	0.17	0.173	1.018
11PH-SS82-R-12	11PH-SS082-R-12	0.09	0.114	1.337
11PH-SS83-L-6	11PH-SS083-L-6	0.44	0.641	1.442
11PH-SS83-L-12	11PH-SS083-L-12	0.13	0.169	1.301
–	11PH-GP065-C-4-6	–	0.169	–
11PH-SS83-R-6	11PH-SS083-R-6	0.28	0.298	1.046
11PH-SS83-R-12	11PH-SS083-R-12	0.11	0.113	1.051
11PH-SS84-L-6	11PH-SS084-L-6	0.36	0.389	1.090
11PH-SS84-L-12	11PH-SS084-L-12	0.09	0.108	1.160
11PH-SS84-R-6	11PH-SS084-R-6	0.35	0.502	1.444
11PH-SS84-R-12	11PH-SS084-R-12	0.22	0.297	1.326
11PH-SS85-L-6	11PH-SS085-L-6	0.43	0.466	1.091
11PH-SS85-L-12	11PH-SS085-L-12	0.24	0.272	1.129
11PH-SS85-R-6	11PH-SS085-R-6	0.28	0.339	1.218
11PH-SS85-R-12	11PH-SS085-R-12	0.55	0.429	0.778
11PH-SS86-L-6	11PH-SS086-L-6	0.57	0.671	1.180
11PH-SS86-L-6-Dup	–	0.53	–	–
11PH-SS86-L-12	11PH-SS086-L-12	0.25	0.313	1.245
–	11PH-SS045X-R-6	–	0.315	–
11PH-SS86-R-6	11PH-SS086-R-6	0.40	0.438	1.099
11PH-SS86-R-12	11PH-SS086-R-12	0.33	0.378	1.131
11PH-SS87-L-6	11PH-SS087-L-6	0.40	0.494	1.241
11PH-SS87-L-12	11PH-SS087-L-12	0.29	0.363	1.264

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SS87-R-6	11PH-SS087-R-6	1.49	2.000	1.339
11PH-SS87-R-12	11PH-SS087-R-12	0.71	0.786	1.103
11PH-SS88-L-6	11PH-SS088-L-6	0.53	0.869	1.642
11PH-SS88-L-12	11PH-SS088-L-12	0.40	0.472	1.191
11PH-SS88-R-6	–	0.71	–	–
11PH-SS88-R-12	11PH-SS088-R-12	0.81	1.010	1.254
11PH-SS89-L-6	11PH-SS089-L-6	0.58	1.060	1.824
11PH-SS89-L-12	11PH-SS089-L-12	0.79	0.896	1.130
11PH-SS89-L-12-Dup	–	0.62	–	–
11PH-SS89-R-6	11PH-SS089-R-6	0.32	0.459	1.428
11PH-SS89-R-12	11PH-SS089-R-12	0.75	0.571	0.760
11PH-SS90-L-6	11PH-SS090-L-6	0.64	0.993	1.560
11PH-SS90-L-12	11PH-SS090-L-12	2.94	1.030	0.351
11PH-SS90-R-6	11PH-SS090-R-6	0.52	1.130	2.178
11PH-SS90-R-12	11PH-SS090-R-12	0.75	1.690	2.241
11PH-SS08-R-12-Rep	11PH-SS008-R-12	35.29	4.600	0.130
11PH-SS08-R-12-Rep/Dil	–	27.56	–	–
11PH-SS08-R-12 Rerun	–	22.07	–	–
11PH-SS08-R-12 Rerun/Dil	–	21.24	–	–
11PH-TU01-L-50-6	–	0.68	–	–
11PH-TU01-R-50-6	–	0.58	–	–
11PH-TU02-L-50-6	–	0.59	–	–
11PH-TU02-R-50-6	–	3.24	–	–
11PH-TU03-R-50-6	–	0.11	–	–
11PH-TU04-L-50-6	–	1.43	–	–
11PH-TU04-R-50-6	11PH-TU004-R-50-6	0.31	0.443	1.424
11PH-TU05-L-50-6	–	0.90	–	–
11PH-TU05-L-50-6-Dup	–	0.94	–	–
11PH-TU05-R-50-6	11PH-TU005-R-50-6	0.38	0.394	1.047
11PH-TU06-L-50-6	–	1.84	–	–
11PH-TU06-R-50-6	–	0.43	–	–
11PH-TU07-L-50-6	–	0.45	–	–
11PH-TU07-R-50-6	–	0.41	–	–
11PH-TU08-L-50-6	–	0.65	–	–
11PH-TU08-R-50-6	11PH-TU008-R-50-6	0.39	0.536	1.366
11PH-TU09-L-50-6	–	1.52	–	–
11PH-TU09-R-50-6	11PH-TU009-R-50-6	0.31	0.483	1.583
11PH-TU10-L-50-6	–	1.12	–	–
11PH-TU10-R-50-6	11PH-TU010-R-50-6	0.27	0.280	1.040
11PH-TU11-L-50-6	–	1.29	–	–
11PH-TU11-R-50-6	11PH-TU011-R-50-6	0.26	0.430	1.661
11PH-TU12-L-50-6	–	1.45	–	–
11PH-TU12-R-50-6	–	0.16	–	–
11PH-TU13-L-50-6	–	0.47	–	–
11PH-TU13-R-50-6	11PH-TU013-R-50-6	0.46	0.644	1.389
11PH-TU14-L-50-6	–	1.33	–	–
11PH-TU14-R-50-6	–	0.17	–	–
11PH-TU15-L-50-6	–	1.31	–	–
11PH-TU15-R-50-6	–	0.68	–	–
11PH-TU16-L-50-6	–	0.72	–	–
11PH-TU16-R-50-6	–	0.19	–	–
11PH-TU17-L-50-6	11PH-TU017-L-50-6	1.18	1.590	1.345
11PH-TU17-R-50-6	11PH-TU017-R-50-6	0.54	1.050	1.943
–	11PH-TU021-R1-A-6	–	1.590	–
11PH-TU18-L-50-6	–	1.34	–	–
11PH-TU18-R-50-6	–	0.15	–	–
11PH-TU19-L-50-6	11PH-TU019-L-50-6	0.51	1.570	3.102
11PH-TU19-R-50-6	–	0.14	–	–

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU20-L-50-6	11PH-TU020-L-50-6	1.10	1.990	1.811
11PH-TU20-R-50-6	11PH-TU020-R-50-6	0.24	0.322	1.356
–	11PH-SS010X-C5-6	–	1.990	–
11PH-TU21-L-50-6	–	1.72	–	–
11PH-TU21-R-50-6	–	0.11	–	–
11PH-TU22-L-50-6	–	2.66	–	–
11PH-TU22-R-50-6	–	0.06	–	–
11PH-TU23-L-50-6	–	1.63	–	–
11PH-TU23-R-50-6	11PH-TU023-R-50-6	0.37	0.452	1.212
–	11PH-TU032X-L-50-6	–	0.453	–
11PH-TU24-L-50-6	–	1.86	–	–
–	11PH-TU032-L4-D-6	–	0.455	–
11PH-TU24-R-50-6	–	1.45	–	–
11PH-TU25-L-50-6	11PH-TU025-L-50-6	0.54	1.250	2.296
11PH-TU25-R-50-6	–	1.48	–	–
11PH-TU26-L-50-6	11PH-TU026-L-50-6	0.46	1.040	2.255
11PH-TU26-R-50-6	11PH-TU026-R-50-6	0.32	0.343	1.071
–	11PH-SS088-R-06	–	1.040	–
11PH-TU27-L-50-6	–	2.36	–	–
11PH-TU27-R-50-6	–	1.38	–	–
11PH-TU28-L-50-6	–	3.07	–	–
11PH-TU28-R-50-6	11PH-TU028-R-50-6	0.41	0.414	1.022
11PH-TU29-L-50-6	–	5.20	–	–
11PH-TU29-R-50-6	11PH-TU029-R-50-6	0.60	0.611	1.019
11PH-TU30-L-50-6	–	0.19	–	–
11PH-TU30-R-50-6	–	0.72	–	–
11PH-TU31-L-50-6	11PH-TU031-L-50-6	0.48	0.577	1.206
11PH-TU31-R-50-6	–	0.18	–	–
11PH-TU32-L-50-6	11PH-TU032-L-50-6	0.31	0.485	1.552
11PH-TU32-R-50-6	–	0.13	–	–
11PH-TU33-L-50-6	–	2.34	–	–
11PH-TU33-R-50-6	–	3.64	–	–
11PH-TU34-L-50-6	–	0.97	–	–
11PH-TU34-R-50-6	–	0.04	–	–
11PH-TU34-R-50-6-Dup	–	0.04	–	–
11PH-TU35-L-50-6	–	0.04	–	–
11PH-TU35-R-50-6	–	1.60	–	–
11PH-TU36-L-50-6	–	0.08	–	–
11PH-TU36-R-50-6	–	1.13	–	–
11PH-TU37-L-50-6	11PH-TU037-L-50-6	0.32	0.871	2.750
11PH-TU37-R-50-6	–	0.59	–	–
11PH-TU38-L-50-6	–	6.03	–	–
11PH-TU38-R-50-6	–	0.13	–	–
–	11PH-TU038-L-100-6	–	6.050	–
11PH-TU39-L-50-6	–	2.14	–	–
11PH-TU39-R-50-6	–	0.99	–	–
11PH-TU40-L-50-6	–	1.27	–	–
11PH-TU40-R-50-6	–	0.19	–	–
11PH-TU41-L-50-6	–	0.65	–	–
11PH-TU41-R-50-6	–	0.07	–	–
11PH-TU42-L-50-6	–	1.15	–	–
11PH-TU42-R-50-6	–	0.19	–	–
11PH-TU43-L-50-6	11PH-TU043-L-50-6	0.49	0.534	1.098
11PH-TU43-R-50-6	–	0.05	–	–
11PH-TU44-L-50-6	11PH-TU044-L-50-6	0.27	0.372	1.361
–	11PH-GP080-L-0-2	–	0.376	–
11PH-TU44-R-50-6	–	0.07	–	–
11PH-TU45-L-50-6	–	0.07	–	–
11PH-TU49-L-50-6	–	0.02	–	–
11PH-TU65-R-50-6	–	0.03	–	–

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU67-R-50-6	—	0.04	—	—
11PH-TU81-L-50-6	—	0.01	—	—
11PH-TU82-L-50-6	—	0.06	—	—
11PH-TU83-L-50-6	11PH-TU083-L-50-6	0.29	0.394	1.365
11PH-TU83-R-50-6	—	0.11	—	—
11PH-TU84-L-50-6	—	0.03	—	—
11PH-TU84-R-50-6	—	0.11	—	—
11PH-TU85-L-50-6	—	0.04	—	—
11PH-TU85-R-50-6	11PH-TU085-R-50-6	0.34	0.298	0.876
11PH-TU85-R-50-6-Dup	—	0.34	—	—
11PH-TU86-L-50-6	—	0.12	—	—
11PH-TU86-R-50-6	11PH-TU086-R-50-6	0.39	0.342	0.873
11PH-TU87-L-50-6	11PH-TU087-L-50-6	0.49	0.178	0.361
11PH-TU87-R-50-6	—	0.13	—	—
11PH-TU88-L-50-6	11PH-TU088-L-50-6	0.30	3.050	10.229
11PH-TU88-R-50-6	—	2.49	—	—
11PH-TU89-L-50-6	11PH-TU089-L-50-6	0.32	0.530	1.679
11PH-TU89-R-50-6	—	0.99	—	—
11PH-TU90-L-50-6	—	1.17	—	—
11PH-TU90-R-50-6	—	0.72	—	—
11PH-SS010-A1-6	—	3.92	—	—
11PH-SS010-B1-6	—	4.05	—	—
11PH-SS010-C1-6	—	4.36	—	—
11PH-SS010-D1-6	—	3.67	—	—
11PH-SS010-E1-6	—	3.57	—	—
11PH-SS010-F1-6	—	4.33	—	—
11PH-SS010-G1-6	—	4.30	—	—
11PH-SS010-C4-6	—	2.72	—	—
11PH-SS010-D4-6	—	4.10	—	—
11PH-SS010-E4-6	—	4.39	—	—
11PH-SS010-F4-6	—	4.92	—	—
11PH-SS010-G4-6	—	4.12	—	—
11PH-SS011-A1-6	—	2.87	—	—
11PH-SS011-B1-6	—	3.18	—	—
11PH-SS011-C1-6	—	2.48	—	—
11PH-SS011-C1-6-Dup	—	3.00	—	—
11PH-SS011-D1-6	—	2.92	—	—
11PH-SS011-E1-6	—	3.57	—	—
11PH-SS011-F1-6	—	3.79	—	—
11PH-SS011-G1-6	—	2.47	—	—
11PH-SS011-A4-6	—	3.41	—	—
11PH-SS011-B4-6	—	5.81	—	—
11PH-SS011-C4-6	—	1.97	—	—
11PH-SS011-D4-6	—	1.86	—	—
11PH-SS011-E4-6	—	2.07	—	—
11PH-SS011-F4-6	—	2.44	—	—
11PH-SS011-G4-6	—	2.18	—	—
11PH-SS012-A1-6	—	3.01	—	—
11PH-SS012-B1-6	—	2.82	—	—
11PH-SS012-C1-6	—	5.23	—	—
11PH-SS012-D1-6	—	3.21	—	—
11PH-SS012-E1-6	—	2.25	—	—
11PH-SS012-F1-6	—	1.37	—	—
11PH-SS012-G1-6	—	2.90	—	—
11PH-SS012-A4-6	—	1.62	—	—
11PH-SS012-B4-6	—	1.35	—	—
11PH-SS012-C4-6	—	1.55	—	—
11PH-SS012-D4-6	—	2.70	—	—
11PH-SS012-E4-6	—	2.00	—	—
11PH-SS012-F4-6	—	3.66	—	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SS012-G4-6	—	3.15	—	—
11PH-SS013-A1-6	—	1.44	—	—
11PH-SS013-B1-6	—	1.54	—	—
11PH-SS013-C1-6	—	1.87	—	—
11PH-SS013-D1-6	—	1.82	—	—
11PH-SS013-E1-6	—	1.54	—	—
11PH-SS013-F1-6	—	2.19	—	—
11PH-SS013-G1-6	—	0.02	—	—
11PH-SS013-A4-6	—	3.55	—	—
11PH-SS013-B4-6	—	1.82	—	—
11PH-SS013-C4-6	—	1.59	—	—
11PH-SS014-A1-6	—	1.07	—	—
11PH-SS014-B1-6	—	2.36	—	—
11PH-SS014-C1-6	—	6.75	—	—
11PH-SS014-D1-6	—	7.83	—	—
11PH-SS014-E1-6	—	4.93	—	—
11PH-SS014-F1-6	—	6.55	—	—
11PH-SS014-G1-6	—	8.36	—	—
11PH-SS014-A4-6	—	0.72	—	—
11PH-SS014-B4-6	—	0.73	—	—
11PH-SS014-B4-6-Dup	—	0.69	—	—
11PH-SS014-C4-6	—	0.70	—	—
11PH-SS014-D4-6	—	1.22	—	—
11PH-SS014-E4-6	—	0.92	—	—
11PH-SS014-F4-6	—	1.48	—	—
11PH-SS014-G4-6	—	1.58	—	—
11PH-SS015-A1-6	—	11.24	—	—
11PH-SS015-B1-6	—	14.09	—	—
11PH-SS015-C1-6	—	4.98	—	—
11PH-SS015-D1-6	—	5.09	—	—
11PH-SS015-E1-6	—	4.55	—	—
11PH-SS015-F1-6	—	0.17	—	—
11PH-SS015-G1-6	—	0.23	—	—
11PH-SS015-A4-6	—	2.90	—	—
11PH-SS015-B4-6	—	1.27	—	—
11PH-SS015-C4-6	—	1.89	—	—
11PH-SS015-D4-6	—	0.69	—	—
11PH-SS015-E4-6	—	0.50	—	—
11PH-SS015-F4-6	—	0.47	—	—
11PH-SS015-G4-6	—	0.86	—	—
11PH-SS016-A1-6	—	0.19	—	—
11PH-SS016-B1-6	—	0.98	—	—
11PH-SS016-C1-6	—	5.92	—	—
11PH-SS016-D1-6	—	4.72	—	—
11PH-SS016-E1-6	—	2.52	—	—
11PH-SS016-F1-6	—	3.85	—	—
11PH-SS016-G1-6	—	3.20	—	—
11PH-SS016-A4-6	—	0.57	—	—
11PH-SS016-B4-6	—	0.61	—	—
11PH-SS016-C4-6	—	4.76	—	—
11PH-SS016-D4-6	—	6.62	—	—
11PH-SS016-E4-6	—	9.60	—	—
11PH-SS016-F4-6	—	5.01	—	—
11PH-SS016-G4-6	—	4.63	—	—
11PH-SS017-A1-6	—	5.96	—	—
11PH-SS017-B1-6	—	5.17	—	—
11PH-SS017-C1-6	—	3.59	—	—
11PH-SS017-D1-6	—	3.51	—	—
11PH-SS017-E1-6	—	2.53	—	—
11PH-SS017-F1-6	—	3.05	—	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SS017-G1-6	—	1.16	—	—
11PH-SS017-A4-6	—	4.67	—	—
11PH-SS017-B4-6	—	2.95	—	—
11PH-SS017-C4-6	—	3.69	—	—
11PH-SS017-D4-6	—	2.81	—	—
11PH-SS017-E4-6	—	2.18	—	—
11PH-SS017-F4-6	—	2.03	—	—
11PH-SS017-G4-6	—	4.27	—	—
11PH-SS018-A1-6	—	0.82	—	—
11PH-SS018-B1-6	—	0.04	—	—
11PH-SS018-C1-6	—	0.51	—	—
11PH-SS018-D1-6	—	2.94	—	—
11PH-SS018-E1-6	—	1.04	—	—
11PH-SS018-F1-6	—	1.33	—	—
11PH-SS018-G1-6	—	1.61	—	—
11PH-SS018-A4-6	—	1.17	—	—
11PH-SS018-B4-6	—	1.37	—	—
11PH-SS018-B4-6-Dup	—	1.35	—	—
11PH-SS018-C4-6	—	2.91	—	—
11PH-SS018-D4-6	—	1.53	—	—
11PH-SS018-E4-6	—	2.04	—	—
11PH-SS018-F4-6	—	1.77	—	—
11PH-SS018-G4-6	—	1.41	—	—
11PH-SS019-A1-6	—	1.61	—	—
11PH-SS019-B1-6	—	1.47	—	—
11PH-SS019-C1-6	—	1.20	—	—
11PH-SS019-D1-6	—	0.84	—	—
11PH-SS019-E1-6	—	0.13	—	—
11PH-SS019-F1-6	—	0.70	—	—
11PH-SS019-G1-6	—	0.19	—	—
11PH-SS019-A4-6	—	1.03	—	—
11PH-SS019-B4-6	—	4.21	—	—
11PH-SS019-C4-6	—	1.90	—	—
11PH-SS019-D4-6	—	2.00	—	—
11PH-SS019-E4-6	—	1.50	—	—
11PH-SS019-F4-6	—	1.62	—	—
11PH-SS019-G4-6	—	2.71	—	—
11PH-SS020-A1-6	—	1.00	—	—
11PH-SS020-B1-6	—	0.91	—	—
11PH-SS020-C1-6	—	1.47	—	—
11PH-SS020-C1-6-Dup	—	1.41	—	—
11PH-SS020-D1-6	—	1.26	—	—
11PH-SS020-E1-6	—	5.17	—	—
11PH-SS020-F1-6	—	1.64	—	—
11PH-SS020-G1-6	—	1.34	—	—
11PH-SS020-A4-6	—	1.75	—	—
11PH-SS020-B4-6	—	1.99	—	—
11PH-SS020-C4-6	—	1.51	—	—
11PH-SS020-D4-6	—	0.94	—	—
11PH-SS020-E4-6	—	1.33	—	—
11PH-SS020-F4-6	—	1.59	—	—
11PH-SS020-G4-6	—	2.43	—	—
11PH-SS021-A1-6	—	1.37	—	—
11PH-SS021-B1-6	—	1.45	—	—
11PH-SS021-C1-6	—	2.59	—	—
11PH-SS021-D1-6	—	1.63	—	—
11PH-SS021-E1-6	—	2.24	—	—
11PH-SS021-F1-6	—	1.21	—	—
11PH-SS021-G1-6	—	1.83	—	—
11PH-SS021-A4-6	—	2.77	—	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SS021-B4-6	—	1.30	—	—
11PH-SS021-C4-6	—	2.73	—	—
11PH-SS021-D4-6	—	3.89	—	—
11PH-SS021-E4-6	—	4.28	—	—
11PH-SS021-E4-6-Dup	—	4.22	—	—
11PH-SS021-F4-6	—	1.30	—	—
11PH-SS021-G4-6	—	1.08	—	—
11PH-SS022-A1-6	—	1.52	—	—
11PH-SS022-B1-6	—	1.21	—	—
11PH-SS022-C1-6	—	2.15	—	—
11PH-SS022-D1-6	—	1.96	—	—
11PH-SS022-E1-6	—	5.59	—	—
11PH-SS022-F1-6	—	3.09	—	—
11PH-SS022-G1-6	—	4.98	—	—
11PH-SS022-A4-6	—	1.79	—	—
11PH-SS022-B4-6	—	2.89	—	—
11PH-SS022-C4-6	—	3.58	—	—
11PH-SS022-D4-6	—	1.52	—	—
11PH-SS022-E4-6	—	3.00	—	—
11PH-SS022-F4-6	—	1.24	—	—
11PH-SS022-G4-6	—	2.49	—	—
11PH-SS023-A1-6	—	4.06	—	—
11PH-SS023-B1-6	—	4.18	—	—
11PH-SS023-C1-6	—	4.85	—	—
11PH-SS023-D1-6	—	3.08	—	—
11PH-SS023-E1-6	—	0.74	—	—
11PH-SS023-F1-6	—	2.30	—	—
11PH-SS023-G1-6	—	4.28	—	—
11PH-SS023-A4-6	—	3.07	—	—
11PH-SS023-B4-6	—	3.12	—	—
11PH-SS023-C4-6	—	2.06	—	—
11PH-SS023-D4-6	—	1.56	—	—
11PH-SS023-E4-6	—	2.61	—	—
11PH-SS023-F4-6	—	3.87	—	—
11PH-SS023-G4-6	—	3.06	—	—
11PH-SS024-A1-6	—	7.92	—	—
11PH-SS024-B1-6	—	6.09	—	—
11PH-SS024-C1-6	—	2.75	—	—
11PH-SS024-D1-6	—	2.31	—	—
11PH-SS024-E1-6	—	5.52	—	—
11PH-SS024-F1-6	—	17.30	—	—
11PH-SS024-G1-6	—	6.40	—	—
11PH-SS024-A4-6	—	1.54	—	—
11PH-SS024-B4-6	—	1.98	—	—
11PH-SS024-C4-6	—	2.55	—	—
11PH-SS024-D4-6	—	3.94	—	—
11PH-SS024-E4-6	—	2.73	—	—
11PH-SS024-F4-6	—	1.74	—	—
11PH-SS024-G4-6	—	1.46	—	—
11PH-SS025-A1-6	—	4.95	—	—
11PH-SS025-B1-6	—	3.42	—	—
11PH-SS025-C1-6	—	5.31	—	—
11PH-SS025-D1-6	—	2.72	—	—
11PH-SS025-E1-6	—	5.27	—	—
11PH-SS025-F1-6	—	3.36	—	—
11PH-SS025-G1-6	—	0.44	—	—
11PH-SS025-A4-6	—	6.03	—	—
11PH-SS025-B4-6	—	1.38	—	—
11PH-SS025-C4-6	—	0.73	—	—
11PH-SS025-D4-6	—	0.24	—	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SS025-E4-6	—	0.17	—	—
11PH-SS025-F4-6	—	0.20	—	—
11PH-SS025-G4-6	—	2.38	—	—
11PH-SS026-A1-6	—	5.14	—	—
11PH-SS026-B1-6	—	2.58	—	—
11PH-SS026-C1-6	—	3.23	—	—
11PH-SS026-D1-6	—	3.63	—	—
11PH-SS026-E1-6	—	3.82	—	—
11PH-SS026-F1-6	—	7.34	—	—
11PH-SS026-G1-6	—	4.64	—	—
11PH-SS026-A4-6	—	0.80	—	—
11PH-SS026-B4-6	—	1.20	—	—
11PH-SS026-C4-6	—	6.06	—	—
11PH-SS026-D4-6	—	1.98	—	—
11PH-SS026-E4-6	—	2.20	—	—
11PH-SS026-E4-6-Dup	—	1.96	—	—
11PH-SS026-F4-6	—	4.93	—	—
11PH-SS026-G4-6	—	0.55	—	—
11PH-SS027-A1-6	—	4.55	—	—
11PH-SS027-B1-6	—	2.79	—	—
11PH-SS027-C1-6	—	3.24	—	—
11PH-SS027-D1-6	—	0.66	—	—
11PH-SS027-E1-6	—	0.49	—	—
11PH-SS027-F1-6	—	1.77	—	—
11PH-SS027-G1-6	—	1.96	—	—
11PH-SS027-A4-6	—	2.67	—	—
11PH-SS027-B4-6	—	5.75	—	—
11PH-SS027-C4-6	—	1.74	—	—
11PH-SS027-D4-6	—	0.02	—	—
11PH-SS027-E4-6	—	ND [0.137]	—	—
11PH-SS027-F4-6	—	ND [0.128]	—	—
11PH-SS027-G4-6	—	ND [0.132]	—	—
11PH-SS028-A1-6	—	1.40	—	—
11PH-SS028-B1-6	—	0.64	—	—
11PH-SS028-C1-6	—	2.15	—	—
11PH-SS028-D1-6	—	2.11	—	—
11PH-SS028-E1-6	—	1.33	—	—
11PH-SS028-F1-6	—	1.21	—	—
11PH-SS028-G1-6	—	1.77	—	—
11PH-SS028-A4-6	—	0.01	—	—
11PH-SS028-B4-6	—	0.01	—	—
11PH-SS028-C4-6	—	0.00	—	—
11PH-SS028-D4-6	—	0.04	—	—
11PH-SS028-E4-6	—	0.04	—	—
11PH-SS028-F4-6	—	0.02	—	—
11PH-SS028-G4-6	—	0.02	—	—
11PH-SS029-A1-6	—	1.32	—	—
11PH-SS029-B1-6	—	5.77	—	—
11PH-SS029-C1-6	—	4.47	—	—
11PH-SS029-D1-6	—	4.95	—	—
11PH-SS029-E1-6	—	4.68	—	—
11PH-SS029-F1-6	—	5.36	—	—
11PH-SS029-G1-6	—	7.10	—	—
11PH-SS029-A4-6	—	2.20	—	—
11PH-SS029-B4-6	—	1.48	—	—
11PH-SS029-C4-6	—	2.83	—	—
11PH-SS029-D4-6	—	4.26	—	—
11PH-SS029-E4-6	—	2.11	—	—
11PH-SS029-F4-6	—	4.98	—	—
11PH-SS029-F4-6-Dup	—	5.47	—	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SS029-G4-6	—	2.01	—	—
11PH-SS030-A1-6	—	4.61	—	—
11PH-SS030-B1-6	—	3.76	—	—
11PH-SS030-C1-6	—	5.60	—	—
11PH-SS030-D1-6	—	5.38	—	—
11PH-SS030-D1-6-Dup	—	5.07	—	—
11PH-SS030-E1-6	—	3.99	—	—
11PH-SS030-F1-6	—	4.52	—	—
11PH-SS030-G1-6	—	2.71	—	—
11PH-SS030-A4-6	—	2.00	—	—
11PH-SS030-B4-6	—	3.37	—	—
11PH-SS030-C4-6	—	2.40	—	—
11PH-SS030-D4-6	—	3.99	—	—
11PH-SS030-E4-6	—	2.27	—	—
11PH-SS030-F4-6	—	1.51	—	—
11PH-SS030-G4-6	—	4.27	—	—
11PH-SS031-A1-6	—	3.73	—	—
11PH-SS031-B1-6	—	5.12	—	—
11PH-SS031-C1-6	—	4.79	—	—
11PH-SS031-D1-6	—	2.91	—	—
11PH-SS031-E1-6	—	2.21	—	—
11PH-SS031-F1-6	—	2.86	—	—
11PH-SS031-G1-6	—	2.01	—	—
11PH-SS031-A4-6	—	5.74	—	—
11PH-SS031-B4-6	—	6.13	—	—
11PH-SS031-C4-6	—	3.10	—	—
11PH-SS031-D4-6	—	2.46	—	—
11PH-SS031-E4-6	—	3.96	—	—
11PH-SS031-F4-6	—	2.04	—	—
11PH-SS031-G4-6	—	1.85	—	—
11PH-SS032-A1-6	—	2.72	—	—
11PH-SS032-B1-6	—	3.73	—	—
11PH-SS032-C1-6	—	2.65	—	—
11PH-SS032-D1-6	—	3.83	—	—
11PH-SS032-E1-6	—	2.99	—	—
11PH-SS032-F1-6	—	2.49	—	—
11PH-SS032-G1-6	—	3.04	—	—
11PH-SS032-A4-6	—	2.60	—	—
11PH-SS032-B4-6	—	4.75	—	—
11PH-SS032-C4-6	—	0.97	—	—
11PH-SS032-D4-6	—	2.52	—	—
11PH-SS032-E4-6	—	5.05	—	—
11PH-SS032-F4-6	—	4.14	—	—
11PH-SS032-G4-6	—	4.36	—	—
11PH-SS033-A1-6	—	3.72	—	—
11PH-SS033-A1-6-Dup	—	5.12	—	—
11PH-SS033-B1-6	—	5.75	—	—
11PH-SS033-C1-6	—	5.31	—	—
11PH-SS033-D1-6	—	4.15	—	—
11PH-SS033-E1-6	—	3.37	—	—
11PH-SS033-F1-6	—	4.16	—	—
11PH-SS033-G1-6	—	3.33	—	—
11PH-SS033-A4-6	—	4.26	—	—
11PH-SS033-B4-6	—	5.09	—	—
11PH-SS033-C4-6	—	1.05	—	—
11PH-SS033-D4-6	—	0.34	—	—
11PH-SS033-E4-6	—	0.25	—	—
11PH-SS033-F4-6	—	0.49	—	—
11PH-SS033-G4-6	—	0.62	—	—
11PH-SS034-A1-6	—	4.18	—	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SS034-B1-6	—	6.68	—	—
11PH-SS034-C1-6	—	5.19	—	—
11PH-SS034-D1-6	—	3.42	—	—
11PH-SS034-E1-6	—	3.39	—	—
11PH-SS034-F1-6	—	6.35	—	—
11PH-SS034-G1-6	—	3.84	—	—
11PH-SS034-A4-6	—	0.22	—	—
11PH-SS034-B4-6	—	0.96	—	—
11PH-SS034-C4-6	—	0.17	—	—
11PH-SS034-D4-6	—	0.96	—	—
11PH-SS034-E4-6	—	2.29	—	—
11PH-SS034-F4-6	—	4.97	—	—
11PH-SS034-G4-6	—	5.89	—	—
11PH-SS035-A1-6	—	3.63	—	—
11PH-SS035-B1-6	—	10.31	—	—
11PH-SS035-C1-6	—	7.04	—	—
11PH-SS035-D1-6	—	6.12	—	—
11PH-SS035-E1-6	—	5.05	—	—
11PH-SS035-F1-6	—	3.14	—	—
11PH-SS035-G1-6	—	3.88	—	—
11PH-SS035-A4-6	—	4.01	—	—
11PH-SS035-B4-6	—	6.34	—	—
11PH-SS035-C4-6	—	5.87	—	—
11PH-SS035-D4-6	—	2.86	—	—
11PH-SS035-E4-6	—	3.41	—	—
11PH-SS035-F4-6	—	2.00	—	—
11PH-SS035-G4-6	—	3.46	—	—
11PH-SS036-A1-6	—	3.77	—	—
11PH-SS036-B1-6	—	2.59	—	—
11PH-SS036-C1-6	—	1.66	—	—
11PH-SS036-D1-6	—	1.21	—	—
11PH-SS036-E1-6	—	2.08	—	—
11PH-SS036-E1-6-Dup	—	2.24	—	—
11PH-SS036-F1-6	—	1.31	—	—
11PH-SS036-G1-6	—	1.81	—	—
11PH-SS036-A4-6	—	5.18	—	—
11PH-SS036-B4-6	—	4.12	—	—
11PH-SS036-C4-6	—	2.73	—	—
11PH-SS036-D4-6	—	4.29	—	—
11PH-SS036-E4-6	—	3.67	—	—
11PH-SS036-F4-6	—	1.93	—	—
11PH-SS036-G4-6	—	0.60	—	—
11PH-SS037-A1-6	—	3.77	—	—
11PH-SS037-B1-6	—	3.92	—	—
11PH-SS037-C1-6	—	4.84	—	—
11PH-SS037-D1-6	—	4.82	—	—
11PH-SS037-E1-6	—	6.85	—	—
11PH-SS037-F1-6	—	3.71	—	—
11PH-SS037-G1-6	—	6.31	—	—
11PH-SS037-A4-6	—	0.73	—	—
11PH-SS037-B4-6	—	2.17	—	—
11PH-SS037-C4-6	—	1.51	—	—
11PH-SS037-D4-6	—	2.07	—	—
11PH-SS037-E4-6	—	4.97	—	—
11PH-SS037-F4-6	—	2.84	—	—
11PH-SS037-G4-6	—	2.69	—	—
11PH-SS038-A1-6	—	5.69	—	—
11PH-SS038-B1-6	—	5.97	—	—
11PH-SS038-C1-6	—	0.41	—	—
11PH-SS038-D1-6	—	2.18	—	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SS038-E1-6	—	7.33	—	—
11PH-SS038-F1-6	—	8.74	—	—
11PH-SS038-G1-6	—	7.06	—	—
11PH-SS038-A4-6	—	2.63	—	—
11PH-SS038-B4-6	—	2.48	—	—
11PH-SS038-C4-6	—	0.27	—	—
11PH-SS038-D4-6	—	0.08	—	—
11PH-SS038-E4-6	—	0.20	—	—
11PH-SS038-F4-6	—	0.06	—	—
11PH-SS038-G4-6	—	1.59	—	—
11PH-SS039-A1-6	—	3.91	—	—
11PH-SS039-B1-6	—	4.69	—	—
11PH-SS039-C1-6	—	5.61	—	—
11PH-SS039-D1-6	—	6.60	—	—
11PH-SS039-E1-6	—	6.16	—	—
11PH-SS039-F1-6	—	5.35	—	—
11PH-SS039-G1-6	—	4.84	—	—
11PH-SS039-A4-6	—	7.54	—	—
11PH-SS039-B4-6	—	7.10	—	—
11PH-SS039-C4-6	—	9.68	—	—
11PH-SS039-D4-6	—	11.06	—	—
11PH-SS039-E4-6	—	9.81	—	—
11PH-SS039-F4-6	—	4.56	—	—
11PH-SS039-G4-6	—	5.78	—	—
11PH-SS040-A1-6	—	6.73	—	—
11PH-SS040-B1-6	—	3.04	—	—
11PH-SS040-C1-6	—	3.02	—	—
11PH-SS040-D1-6	—	3.42	—	—
11PH-SS040-E1-6	—	2.47	—	—
11PH-SS040-E1-6-Dup	—	2.66	—	—
11PH-SS040-F1-6	—	1.73	—	—
11PH-SS040-G1-6	—	1.68	—	—
11PH-SS040-A4-6	—	4.24	—	—
11PH-SS040-B4-6	—	3.98	—	—
11PH-SS040-C4-6	—	3.46	—	—
11PH-SS040-D4-6	—	1.52	—	—
11PH-SS040-E4-6	—	0.77	—	—
11PH-SS040-F4-6	—	0.53	—	—
11PH-SS040-G4-6	—	0.62	—	—
11PH-SS041-A1-6	—	0.95	—	—
11PH-SS041-B1-6	—	2.96	—	—
11PH-SS041-C1-6	—	1.64	—	—
11PH-SS041-D1-6	—	1.98	—	—
11PH-SS041-E1-6	—	1.27	—	—
11PH-SS041-F1-6	—	1.74	—	—
11PH-SS041-G1-6	—	2.06	—	—
11PH-SS041-A4-6	—	1.05	—	—
11PH-SS041-B4-6	—	0.94	—	—
11PH-SS041-C4-6	—	0.87	—	—
11PH-SS041-D4-6	—	1.31	—	—
11PH-SS041-E4-6	—	1.50	—	—
11PH-SS041-F4-6	—	1.26	—	—
11PH-SS041-G4-6	—	0.69	—	—
11PH-SS042-A1-6	—	0.96	—	—
11PH-SS042-B1-6	—	0.97	—	—
11PH-SS042-C1-6	—	0.96	—	—
11PH-SS042-D1-6	—	1.12	—	—
11PH-SS042-E1-6	—	0.75	—	—
11PH-SS042-F1-6	—	0.61	—	—
11PH-SS042-G1-6	—	0.41	—	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SS042-A4-6	—	0.87	—	—
11PH-SS042-B4-6	—	0.81	—	—
11PH-SS042-C4-6	—	0.70	—	—
11PH-SS042-D4-6	—	0.79	—	—
11PH-SS042-D4-6-Dup	—	0.70	—	—
11PH-SS042-E4-6	—	0.66	—	—
11PH-SS042-F4-6	—	0.65	—	—
11PH-SS042-G4-6	—	0.41	—	—
11PH-SS083-A1-6	—	0.29	—	—
11PH-SS083-B1-6	—	0.32	—	—
11PH-SS083-C1-6	—	0.35	—	—
11PH-SS083-D1-6	—	0.33	—	—
11PH-SS083-E1-6	—	0.18	—	—
11PH-SS083-F1-6	—	0.25	—	—
11PH-SS083-G1-6	—	0.17	—	—
11PH-SS083-A4-6	—	0.16	—	—
11PH-SS083-B4-6	—	0.15	—	—
11PH-SS083-C4-6	—	0.27	—	—
11PH-SS083-D4-6	—	0.22	—	—
11PH-SS083-E4-6	—	0.17	—	—
11PH-SS083-F4-6	—	0.23	—	—
11PH-SS083-G4-6	—	0.34	—	—
11PH-SS084-A1-6	—	0.16	—	—
11PH-SS084-B1-6	—	0.17	—	—
11PH-SS084-C1-6	—	0.24	—	—
11PH-SS084-D1-6	—	0.25	—	—
11PH-SS084-E1-6	—	0.23	—	—
11PH-SS084-F1-6	—	0.29	—	—
11PH-SS084-G1-6	—	0.26	—	—
11PH-SS084-G1-6-Dup	—	0.25	—	—
11PH-SS084-A4-6	—	0.31	—	—
11PH-SS084-B4-6	—	0.23	—	—
11PH-SS084-C4-6	—	0.24	—	—
11PH-SS084-D4-6	—	0.17	—	—
11PH-SS084-E4-6	—	0.19	—	—
11PH-SS084-F4-6	—	0.17	—	—
11PH-SS084-G4-6	—	0.22	—	—
11PH-SS085-A1-6	—	0.32	—	—
11PH-SS085-B1-6	—	0.38	—	—
11PH-SS085-C1-6	—	0.30	—	—
11PH-SS085-D1-6	—	0.29	—	—
11PH-SS085-E1-6	—	0.27	—	—
11PH-SS085-F1-6	—	0.38	—	—
11PH-SS085-G1-6	—	0.35	—	—
11PH-SS085-A4-6	—	0.26	—	—
11PH-SS085-B4-6	—	0.29	—	—
11PH-SS085-C4-6	—	0.30	—	—
11PH-SS085-D4-6	—	0.29	—	—
11PH-SS085-E4-6	—	0.28	—	—
11PH-SS085-F4-6	—	0.35	—	—
11PH-SS085-G4-6	—	0.33	—	—
11PH-SS086-A1-6	—	0.35	—	—
11PH-SS086-B1-6	—	0.41	—	—
11PH-SS086-C1-6	—	0.45	—	—
11PH-SS086-D1-6	—	0.37	—	—
11PH-SS086-E1-6	—	0.31	—	—
11PH-SS086-F1-6	—	0.34	—	—
11PH-SS086-G1-6	—	0.41	—	—
11PH-SS086-A4-6	—	0.22	—	—
11PH-SS086-B4-6	—	0.28	—	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SS086-C4-6	—	0.39	—	—
11PH-SS086-D4-6	—	0.25	—	—
11PH-SS086-E4-6	—	0.23	—	—
11PH-SS086-F4-6	—	0.37	—	—
11PH-SS086-G4-6	—	0.29	—	—
11PH-SS087-A1-6	—	0.40	—	—
11PH-SS087-B1-6	—	0.45	—	—
11PH-SS087-C1-6	—	0.49	—	—
11PH-SS087-D1-6	—	0.47	—	—
11PH-SS087-E1-6	—	0.19	—	—
11PH-SS087-F1-6	—	0.39	—	—
11PH-SS087-G1-6	—	0.54	—	—
11PH-SS087-G1-6-Dup	—	0.48	—	—
11PH-SS087-A4-6	—	0.45	—	—
11PH-SS087-B4-6	—	0.51	—	—
11PH-SS087-C4-6	—	0.18	—	—
11PH-SS087-D4-6	—	0.58	—	—
11PH-SS087-E4-6	—	1.19	—	—
11PH-SS087-F4-6	—	0.57	—	—
11PH-SS087-G4-6	—	0.78	—	—
11PH-SS088-A1-6	—	0.62	—	—
11PH-SS088-B1-6	—	0.60	—	—
11PH-SS088-C1-6	—	0.47	—	—
11PH-SS088-D1-6	—	0.47	—	—
11PH-SS088-E1-6	—	0.57	—	—
11PH-SS088-F1-6	—	0.61	—	—
11PH-SS088-G1-6	—	0.80	—	—
11PH-SS088-A4-6	—	0.51	—	—
11PH-SS088-B4-6	—	0.65	—	—
11PH-SS088-C4-6	—	0.57	—	—
11PH-SS088-D4-6	—	0.60	—	—
11PH-SS088-E4-6	—	0.77	—	—
11PH-SS088-F4-6	—	0.71	—	—
11PH-SS088-G4-6	—	0.90	—	—
11PH-SS089-A1-6	—	0.63	—	—
11PH-SS089-B1-6	—	0.59	—	—
11PH-SS089-C1-6	—	0.52	—	—
11PH-SS089-D1-6	—	0.79	—	—
11PH-SS089-E1-6	—	0.54	—	—
11PH-SS089-F1-6	—	0.62	—	—
11PH-SS089-G1-6	—	0.44	—	—
11PH-SS089-A4-6	—	0.52	—	—
11PH-SS089-B4-6	—	0.11	—	—
11PH-SS089-C4-6	—	0.17	—	—
11PH-SS089-D4-6	—	0.77	—	—
11PH-SS089-E4-6	—	0.73	—	—
11PH-SS089-F4-6	—	0.20	—	—
11PH-SS089-G4-6	—	0.04	—	—
11PH-SS090-A1-6	—	0.06	—	—
11PH-SS090-B1-6	—	0.01	—	—
11PH-SS090-C1-6	—	0.83	—	—
11PH-SS090-D1-6	—	0.78	—	—
11PH-SS090-E1-6	—	1.07	—	—
11PH-SS090-F1-6	—	1.01	—	—
11PH-SS090-G1-6	—	1.45	—	—
11PH-SS090-G1-6-Dup	—	1.39	—	—
11PH-SS090-A4-6	—	0.07	—	—
11PH-SS090-B4-6	—	0.17	—	—
11PH-SS090-C4-6	—	0.75	—	—
11PH-SS090-D4-6	—	0.90	—	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SS090-E4-6	—	1.04	—	—
11PH-SS090-F4-6	—	0.80	—	—
11PH-SS090-G4-6	—	1.11	—	—
11PH-SS009-A1-6	—	2.50	—	—
11PH-SS009-B1-6	—	5.54	—	—
11PH-SS009-C1-6	—	1.67	—	—
11PH-SS009-D1-6	—	4.02	—	—
11PH-SS009-E1-6	—	3.82	—	—
11PH-SS009-F1-6	—	4.71	—	—
11PH-SS009-G1-6	—	3.35	—	—
11PH-SS009-A4-6	—	1.87	—	—
11PH-SS009-B4-6	—	1.46	—	—
11PH-SS009-C4-6	—	4.14	—	—
11PH-SS009-D4-6	—	5.66	—	—
11PH-SS009-E4-6	—	1.97	—	—
11PH-SS009-F4-6	—	1.75	—	—
11PH-SS009-G4-6	—	1.53	—	—
11PH-SS010-A4-6	—	4.98	—	—
11PH-SS010-B4-6	—	2.38	—	—
11PH-SS013-D4-6	—	0.35	—	—
11PH-SS013-E4-6	—	0.53	—	—
11PH-SS013-F4-6	—	2.21	—	—
11PH-SS013-G4-6	—	3.32	—	—
11PH-TU001-L-50-12	—	7.38	—	—
11PH-TU001-R-50-12	—	0.04	—	—
11PH-TU002-L-50-12	—	0.04	—	—
11PH-TU002-R-50-12	—	ND [0.134]	—	—
11PH-TU004-L-50-12	—	1.14	—	—
11PH-TU004-R-50-12	—	0.09	—	—
11PH-TU005-L-50-12	—	0.01	—	—
11PH-TU005-R-50-12	—	0.01	—	—
11PH-TU006-L-50-12	11PH-TU006-L-50-12	0.36	0.491	1.363
11PH-TU006-R-50-12	—	0.02	—	—
11PH-TU007-L-50-12	—	3.35	—	—
11PH-TU007-R-50-12	—	0.10	—	—
11PH-TU008-L-50-12	11PH-TU008-L-50-12	0.33	0.753	2.252
11PH-TU008-R-50-12	—	0.09	—	—
11PH-TU009-L-50-12	—	0.05	—	—
11PH-TU009-R-50-12	—	ND [0.120]	—	—
11PH-TU010-L-50-12	—	0.05	—	—
11PH-TU010-R-50-12	—	0.01	—	—
11PH-TU011-L-50-12	—	0.02	—	—
11PH-TU011-R-50-12	—	0.01	—	—
11PH-TU012-L-50-12	11PH-TU012-L-50-12	0.30	0.404	1.339
11PH-TU013-L-50-12	—	2.59	—	—
11PH-TU013-R-50-12	—	0.03	—	—
11PH-TU014-L-50-12	—	0.01	—	—
11PH-TU015-L-50-12	—	0.01	—	—
11PH-TU015-R-50-12	—	0.01	—	—
11PH-TU016-L-50-12	—	0.08	—	—
11PH-TU017-L-50-12	—	ND [0.173]	—	—
11PH-TU017-L-50-12-Dup	—	0.01	—	—
11PH-TU017-R-50-12	—	0.01	—	—
11PH-TU018-L-50-12	—	0.01	—	—
11PH-TU019-L-50-12	—	0.01	—	—
11PH-TU020-L-50-12	—	0.01	—	—
11PH-TU020-R-50-12	—	ND [0.127]	—	—
11PH-TU021-L-50-12	—	0.03	—	—
11PH-TU022-L-50-12	—	0.05	—	—
11PH-TU023-L-50-12	—	0.02	—	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU023-R-50-12	–	0.02	–	–
11PH-TU024-L-50-12	–	0.05	–	–
11PH-TU024-R-50-12	–	0.02	–	–
11PH-TU025-L-50-12	–	0.01	–	–
11PH-TU025-R-50-12	–	0.04	–	–
11PH-TU026-L-50-12	–	0.09	–	–
11PH-TU026-R-50-12	–	0.02	–	–
11PH-TU027-L-50-12	–	0.09	–	–
11PH-TU027-R-50-12	11PH-TU027-R-50-12	0.32	0.648	2.051
11PH-TU028-L-50-12	–	0.01	–	–
11PH-TU028-R-50-12	–	0.01	–	–
11PH-TU029-L-50-12	–	ND [0.147]	–	–
11PH-TU029-R-50-12	–	0.02	–	–
11PH-TU030-R-50-12	–	0.02	–	–
11PH-TU031-L-50-12	–	0.05	–	–
11PH-TU032-L-50-12	–	ND [0.125]	–	–
11PH-TU033-L-50-12	–	0.08	–	–
11PH-TU033-R-50-12	–	0.09	–	–
11PH-TU034-L-50-12	–	0.01	–	–
11PH-TU035-R-50-12	–	0.01	–	–
11PH-TU036-R-50-12	–	0.02	–	–
11PH-TU037-L-50-12	–	0.03	–	–
11PH-TU037-R-50-12	–	0.07	–	–
11PH-TU038-L-50-12	–	0.15	–	–
11PH-TU039-L-50-12	–	0.02	–	–
11PH-TU039-R-50-12	–	ND [0.133]	–	–
11PH-TU040-L-50-12	–	0.02	–	–
11PH-TU041-L-50-12	–	0.70	–	–
11PH-TU042-L-50-12	–	0.05	–	–
11PH-TU043-L-50-12	–	0.02	–	–
11PH-TU044-L-50-12	–	0.02	–	–
11PH-TU083-L-50-12	–	0.03	–	–
11PH-TU085-R-50-12	–	0.01	–	–
11PH-TU086-R-50-12	–	0.07	–	–
11PH-TU087-L-50-12	–	ND [0.168]	–	–
11PH-TU088-L-50-12	–	0.02	–	–
11PH-TU088-R-50-12	–	0.19	–	–
11PH-TU089-L-50-12	–	0.01	–	–
11PH-TU089-R-50-12	–	ND [0.167]	–	–
11PH-TU089-R-50-12-Dup	–	ND [0.151]	–	–
11PH-TU090-L-50-12	–	0.01	–	–
11PH-TU090-R-50-12	–	0.01	–	–
11PH-TU001-L-75-6	–	0.91	–	–
11PH-TU001-R-75-6	–	0.45	–	–
11PH-TU002-R-75-6	–	0.04	–	–
11PH-TU004-L-100-6	11PH-TU004-L-100-6	0.51	0.544	1.075
–	11PH-SS087X-B5-6	–	0.546	–
11PH-TU004-R-75-6	–	0.05	–	–
11PH-TU005-L-75-6	–	1.48	–	–
11PH-TU005-R-75-6	–	0.11	–	–
11PH-TU006-L-75-6	11PH-TU006-L-75-6	0.22	0.383	1.722
11PH-TU006-R-75-6	–	0.08	–	–
11PH-TU007-L-75-6	–	0.12	–	–
11PH-TU007-R-75-6	11PH-TU007-R-75-6	0.25	0.257	1.015
11PH-TU008-R-75-6	–	0.13	–	–
11PH-TU009-R-75-6	11PH-TU009-R-75-6	0.52	0.551	1.066
11PH-TU010-R-75-6	–	0.01	–	–
11PH-TU011-L-75-6	–	0.81	–	–
11PH-TU011-R-75-6	–	0.03	–	–
11PH-TU012-L-75-6	–	0.87	–	–

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU013-L-75-6	—	0.05	—	—
11PH-TU013-R-75-6	—	0.11	—	—
11PH-TU014-L-75-6	11PH-TU014-L-75-6	0.22	0.297	1.363
11PH-TU015-L-75-6	11PH-TU015-L-75-6	0.44	0.495	1.124
11PH-TU015-R-75-6	11PH-TU015-R-75-6	0.20	0.226	1.120
11PH-TU016-L-75-6	—	0.97	—	—
11PH-TU017-L-75-6	—	0.66	—	—
11PH-TU017-R-75-6	11PH-TU017-R-75-6	0.24	0.381	1.566
11PH-TU017-R-75-6-Dup	—	0.30	—	—
11PH-TU018-L-75-6	11PH-TU018-L-75-6	0.26	0.451	1.747
11PH-TU019-L-75-6	11PH-TU019-L-75-6	0.98	1.270	1.293
11PH-TU020-L-75-6	11PH-TU020-L-75-6	1.32	1.800	1.365
11PH-TU020-R-75-6	—	0.12	—	—
11PH-TU021-L-75-6	—	0.15	—	—
11PH-TU022-L-75-6	11PH-TU022-L-75-6	0.70	0.985	1.413
11PH-TU023-L-75-6	—	0.13	—	—
11PH-TU023-R-75-6	—	0.08	—	—
11PH-TU024-L-75-6	—	0.10	—	—
11PH-TU024-R-75-6	—	0.82	—	—
11PH-TU025-L-75-6	11PH-TU025-L-75-6	0.31	0.286	0.928
11PH-TU025-R-75-6	—	0.84	—	—
11PH-TU026-L-75-6	11PH-TU026-L-75-6	0.44	0.298	0.676
11PH-TU026-R-75-6	—	0.78	—	—
11PH-TU027-L-75-6	—	0.98	—	—
11PH-TU027-R-75-6	—	0.73	—	—
11PH-TU028-L-75-6	11PH-TU028-L-75-6	0.33	0.464	1.407
11PH-TU028-R-75-6	—	0.18	—	—
11PH-TU029-L-75-6	11PH-TU029-L-75-6	0.58	1.020	1.770
11PH-TU029-R-75-6	11PH-TU029-R-75-6	0.34	0.438	1.286
11PH-TU030-R-75-6	—	0.10	—	—
11PH-TU030-R-75-6-Dup	—	0.10	—	—
11PH-TU031-L-75-6	—	0.11	—	—
11PH-TU032-L-75-6	11PH-TU032-L-75-6	0.52	0.393	0.758
11PH-TU033-L-75-6	—	0.01	—	—
11PH-TU033-R-75-6	—	0.16	—	—
11PH-TU034-L-75-6	11PH-TU034-L-75-6	0.32	0.398	1.235
11PH-TU035-R-75-6	—	0.82	—	—
11PH-TU036-R-75-6	—	0.03	—	—
11PH-TU037-L-75-6	11PH-TU037-L-75-6	0.55	0.553	1.012
—	11PH-TU011-R1-D-6	—	0.554	—
11PH-TU037-R-75-6	—	1.00	—	—
11PH-TU038-L-75-6	—	0.97	—	—
11PH-TU039-L-75-6	—	1.61	—	—
11PH-TU039-R-75-6	—	0.04	—	—
11PH-TU040-L-75-6	11PH-TU040-L-75-6	0.58	1.780	3.074
11PH-TU041-L-75-6	11PH-TU041-L-75-6	0.46	0.948	2.058
11PH-TU042-L-75-6	—	0.77	—	—
11PH-TU043-L-75-6	11PH-TU043-L-75-6	0.56	0.622	1.106
11PH-TU044-L-75-6	11PH-TU044-L-75-6	0.43	0.640	1.477
11PH-TU083-L-75-6	—	0.02	—	—
11PH-TU085-R-75-6	—	0.16	—	—
11PH-TU086-R-75-6	—	0.66	—	—
11PH-TU087-L-75-6	—	0.01	—	—
11PH-TU088-L-75-6	—	1.55	—	—
11PH-TU088-R-75-6	11PH-TU088-R-75-6	0.27	0.491	1.835
11PH-TU089-L-75-6	11PH-TU089-L-75-6	0.39	0.715	1.843
11PH-TU089-R-75-6	—	1.96	—	—
11PH-TU090-L-75-6	—	4.25	—	—
11PH-TU090-R-75-6	—	2.40	—	—
11PH-SS017-AO-6	—	0.71	—	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SS017-AO-6-Dup	—	0.75	—	—
11PH-SS017-BO-6	—	1.07	—	—
11PH-SS017-CO-6	—	1.08	—	—
11PH-SS017-DO-6	—	1.00	—	—
11PH-SS017-EO-6	—	1.11	—	—
11PH-SS017-FO-6	—	1.10	—	—
11PH-SS017-GO-6	—	1.22	—	—
11PH-TU017-L1-A-6	—	1.14	—	—
11PH-TU017-L1-B-6	—	1.29	—	—
11PH-TU017-L1-C-6	—	1.54	—	—
11PH-TU017-L1-D-6	—	1.06	—	—
11PH-TU017-L1-E-6	—	0.99	—	—
11PH-TU017-L1-F-6	—	1.35	—	—
11PH-TU017-L1-G-6	—	1.61	—	—
11PH-TU017-L2-A-6	—	1.56	—	—
11PH-TU017-L2-B-6	—	1.27	—	—
11PH-TU017-L2-C-6	11PH-TU017-L2-C-6	0.33	1.060	3.204
11PH-TU017-L2-D-6	11PH-TU017-L2-D-6	0.35	1.870	5.280
11PH-TU017-L2-E-6	—	0.86	—	—
11PH-TU017-L2-F-6	11PH-TU017-L2-F-6	0.55	2.320	4.192
11PH-TU017-L2-G-6	—	0.63	—	—
11PH-TU017-L3-A-6	—	0.67	—	—
11PH-TU017-L3-B-6	—	1.49	—	—
11PH-TU017-L3-C-6	11PH-TU017-L3-C-6	0.50	2.110	4.220
11PH-TU017-L3-D-6	—	0.70	—	—
11PH-TU017-L3-E-6	11PH-TU017-L3-E-6	0.28	1.530	5.383
11PH-TU017-L3-F-6	11PH-TU017-L3-F-6	0.30	1.300	4.356
11PH-TU017-L3-G-6	11PH-TU017-L3-G-6	0.36	1.470	4.114
11PH-TU017-L4-A-6	11PH-TU017-L4-A-6	0.35	1.360	3.838
11PH-TU017-L4-B-6	—	0.09	—	—
11PH-TU017-L4-C-6	—	0.08	—	—
11PH-TU017-L4-D-6	—	0.14	—	—
11PH-TU017-L4-E-6	11PH-TU017-L4-E-6	0.25	1.120	4.443
11PH-TU017-L4-F-6	11PH-TU017-L4-F-6	0.29	1.170	4.005
11PH-TU017-L4-G-6	—	0.19	—	—
11PH-SS018-A0-6	—	0.58	—	—
11PH-SS018-B0-6	—	0.79	—	—
11PH-SS018-C0-6	—	0.72	—	—
11PH-SS018-D0-6	—	1.02	—	—
11PH-SS018-E0-6	—	0.62	—	—
11PH-SS018-F0-6	—	0.61	—	—
11PH-SS018-G0-6	—	0.55	—	—
11PH-TU018-L1-A-6	—	1.56	—	—
11PH-TU018-L1-B-6	—	1.27	—	—
11PH-TU018-L1-C-6	—	2.17	—	—
11PH-TU018-L1-D-6	—	1.14	—	—
11PH-TU018-L1-E-6	—	1.36	—	—
11PH-TU018-L1-F-6	—	0.77	—	—
11PH-TU018-L1-G-6	—	1.16	—	—
11PH-TU018-L2-A-6	—	1.21	—	—
11PH-TU018-L2-B-6	—	0.87	—	—
11PH-TU018-L2-C-6	—	0.86	—	—
11PH-TU018-L2-D-6	—	0.66	—	—
11PH-TU018-L2-E-6	11PH-TU018-L2-E-6	0.49	1.680	3.443
11PH-TU018-L2-F-6	11PH-TU018-L2-F-6	0.52	1.150	2.230
11PH-TU018-L2-G-6	11PH-TU018-L2-G-6	0.30	1.360	4.560
11PH-TU018-L3-A-6	11PH-TU018-L3-A-6	0.44	0.888	2.001
11PH-TU018-L3-B-6	11PH-TU018-L3-B-6	0.32	1.330	4.124
11PH-TU018-L3-C-6	11PH-TU018-L3-C-6	0.49	1.060	2.161
11PH-TU018-L3-D-6	11PH-TU018-L3-D-6	0.39	1.210	3.091

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU018-L3-E-6	11PH-TU018-L3-E-6	0.36	1.160	3.219
11PH-TU018-L3-F-6	11PH-TU018-L3-F-6	0.30	0.706	2.334
11PH-TU018-L3-G-6	11PH-TU018-L3-G-6	0.44	0.459	1.034
11PH-TU018-L4-A-6	—	0.16	—	—
11PH-SS019-A0-6	—	1.06	—	—
11PH-SS019-B0-6	—	0.66	—	—
11PH-SS019-C0-6	—	1.82	—	—
11PH-SS019-D0-6	—	0.69	—	—
11PH-SS019-E0-6	11PH-SS019-E0-6	0.51	1.210	2.353
11PH-SS019-F0-6	—	0.93	—	—
11PH-SS019-F0-6-Dup	—	0.75	—	—
11PH-SS019-G0-6	—	1.59	—	—
11PH-TU019-L1-A-6	—	1.08	—	—
11PH-TU019-L1-B-6	—	0.93	—	—
11PH-TU019-L1-C-6	—	0.90	—	—
11PH-TU019-L1-D-6	—	1.52	—	—
11PH-TU019-L1-E-6	—	1.90	—	—
11PH-TU019-L1-F-6	—	1.01	—	—
11PH-TU019-L1-G-6	11PH-TU019X-L1-G-6	0.46	1.510	3.254
11PH-TU019-L2-A-6	—	0.15	—	—
11PH-TU019-L2-B-6	11PH-TU019-L2-B-6	0.39	1.260	3.229
11PH-TU019-L2-C-6	11PH-TU019-L2-C-6	0.20	0.661	3.283
11PH-TU019-L2-D-6	11PH-TU019-L2-D-6	0.32	0.801	2.495
11PH-TU019-L2-E-6	11PH-TU019-L2-E-6	0.38	1.610	4.247
11PH-TU019-L2-F-6	11PH-TU019-L2-F-6	0.26	1.090	4.128
11PH-TU019-L2-G-6	—	0.14	—	—
11PH-TU019-L3-A-6	11PH-TU019-L3-A-6	0.27	1.020	3.753
11PH-TU019-L3-B-6	11PH-TU019-L3-B-6	0.34	1.450	4.274
11PH-TU019-L3-C-6	11PH-TU019-L3-C-6	0.26	0.797	3.116
11PH-TU019-L3-D-6	—	0.14	—	—
11PH-TU019-L3-E-6	11PH-TU019-L3-E-6	0.20	0.386	1.910
11PH-TU019-L3-F-6	—	0.19	—	—
11PH-TU019-L3-G-6	11PH-TU019-L3-G-6	0.33	0.892	2.733
11PH-TU019-L4-B-6	—	0.14	—	—
11PH-TU019-L4-C-6	11PH-TU019-L4-C-6	0.22	0.512	2.281
11PH-TU019-L4-D-6	—	0.06	—	—
11PH-TU019-L4-E-6	—	0.10	—	—
11PH-TU019-L4-F-6	—	0.11	—	—
11PH-TU019-L4-G-6	—	0.10	—	—
11PH-SS020-A0-6	—	0.56	—	—
11PH-SS020-B0-6	—	0.74	—	—
11PH-SS020-C0-6	—	0.46	—	—
11PH-SS020-D0-6	—	0.95	—	—
11PH-SS020-E0-6	—	0.47	—	—
11PH-SS020-F0-6	—	0.80	—	—
11PH-SS020-G0-6	—	0.76	—	—
11PH-TU0020-L1-A-6	—	1.54	—	—
11PH-TU0020-L1-B-6	—	1.71	—	—
11PH-TU0020-L1-C-6	—	1.15	—	—
11PH-TU0020-L1-D-6	—	1.03	—	—
11PH-TU0020-L1-E-6	—	1.66	—	—
11PH-TU0020-L1-F-6	—	1.19	—	—
11PH-TU0020-L1-G-6	—	1.80	—	—
11PH-TU0020-L2-A-6	11PH-TU020-L2-A-6	0.39	1.340	3.429
11PH-TU0020-L2-B-6	11PH-TU020-L2-B-6	0.35	1.030	2.920
11PH-TU0020-L2-B-6-Dup	—	0.30	—	—
11PH-TU0020-L2-C-6	—	0.64	—	—
11PH-TU0020-L2-D-6	11PH-TU020-L2-D-6	0.44	1.230	2.789
11PH-TU0020-L2-E-6	—	0.79	—	—
11PH-TU001-L-50-18	—	0.03	—	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU004-L-50-18	—	0.06	—	—
11PH-TU006-L-50-18	—	0.11	—	—
11PH-TU007-L-50-18	—	0.23	—	—
11PH-TU008-L-50-18	—	6.86	—	—
11PH-TU012-L-50-18	—	0.06	—	—
11PH-TU013-L-50-18	11PH-TU013-L-50-18	0.70	1.310	1.862
11PH-TU027-R-50-18	—	0.10	—	—
11PH-TU001-L-75-12	—	0.01	—	—
11PH-TU001-R-75-12	—	ND [0.148]	—	—
11PH-TU001-L-100-6	—	0.14	—	—
11PH-TU001-L-100-6-Dup	—	0.14	—	—
11PH-TU001-R-100-6	—	0.12	—	—
11PH-TU005-L-100-6	—	0.19	—	—
11PH-TU006-L-100-6	—	0.04	—	—
11PH-TU007-R-100-6	—	0.16	—	—
11PH-TU009-R-100-6	—	0.02	—	—
11PH-TU011-L-100-6	—	ND [0.142]	—	—
11PH-TU012-L-100-6	11PH-TU012-L-100-6	0.36	1.030	2.891
11PH-TU014-L-100-6	11PH-TU014-L-100-6	0.35	0.998	2.890
11PH-TU015-L-100-6	—	0.12	—	—
11PH-TU016-L-100-6	11PH-TU016-L-100-6	0.61	0.723	1.191
11PH-TU017-L-100-6	—	0.15	—	—
11PH-TU017-R-100-6	11PH-TU017-R-100-6	0.27	0.436	1.633
11PH-TU018-L-100-6	—	0.12	—	—
11PH-TU019-L-100-6	11PH-TU019-L-100-6	0.20	0.274	1.339
11PH-TU020-L-100-6	—	0.08	—	—
11PH-TU022-L-100-6	—	0.13	—	—
11PH-TU024-R-100-6	—	0.13	—	—
11PH-TU025-L-100-6	11PH-TU025-L-100-6	0.24	0.255	1.049
11PH-TU025-R-100-6	—	0.13	—	—
11PH-TU026-L-100-6	—	0.18	—	—
11PH-TU026-R-100-6	—	0.01	—	—
11PH-TU027-L-100-6	11PH-TU027-L-100-6	0.39	0.633	1.629
11PH-TU027-R-100-6	—	0.12	—	—
11PH-TU020-L2-F-6	11PH-TU020-L2-F-6	0.35	0.797	2.256
11PH-TU020-L2-G-6	—	0.19	—	—
11PH-TU020-L3-A-6	11PH-TU020-L3-A-6	0.30	0.629	2.129
11PH-TU020-L3-B-6	—	0.19	—	—
11PH-TU020-L3-C-6	11PH-TU020-L3-C-6	0.22	0.613	2.824
11PH-TU020-L3-D-6	—	0.07	—	—
11PH-TU020-L3-E-6	—	0.13	—	—
11PH-TU020-L3-E-6-Dup	—	0.15	—	—
11PH-TU020-L3-F-6	—	0.12	—	—
11PH-TU020-L4-A-6	—	0.12	—	—
11PH-TU020-L4-B-6	—	0.11	—	—
11PH-TU020-L4-C-6	—	0.08	—	—
11PH-TU020-L4-D-6	—	0.13	—	—
11PH-TU020-L4-E-6	—	0.09	—	—
11PH-SS021-A0-6	—	1.23	—	—
11PH-SS021-B0-6	—	0.95	—	—
11PH-SS021-C0-6	—	1.65	—	—
11PH-SS021-D0-6	—	0.79	—	—
11PH-SS021-E0-6	—	0.95	—	—
11PH-SS021-F0-6	—	0.81	—	—
11PH-SS021-G0-6	—	0.83	—	—
11PH-TU021-L1-A-6	—	1.44	—	—
11PH-TU021-L1-B-6	—	2.27	—	—
11PH-TU021-L1-C-6	—	1.78	—	—
11PH-TU021-L1-D-6	—	1.59	—	—
11PH-TU021-L1-E-6	—	0.81	—	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU021-L1-F-6	—	0.97	—	—
11PH-TU021-L1-G-6	—	1.22	—	—
11PH-TU021-L2-B-6	11PH-TU021-L2-B-6	0.42	0.609	1.444
11PH-TU021-L2-C-6	11PH-TU021-L2-C-6	0.39	0.748	1.912
11PH-TU021-L2-D-6	—	0.80	—	—
11PH-TU021-L2-E-6	—	0.77	—	—
11PH-SS022-A0-6	—	1.04	—	—
11PH-SS022-B0-6	—	1.07	—	—
11PH-SS022-C0-6	—	1.31	—	—
11PH-SS022-D0-6	—	0.82	—	—
11PH-SS022-E0-6	—	1.09	—	—
11PH-SS022-F0-6	—	0.74	—	—
11PH-SS022-G0-6	—	1.20	—	—
11PH-TU022-L1-A-6	—	1.94	—	—
11PH-TU022-L1-B-6	—	2.45	—	—
11PH-TU022-L1-C-6	—	1.22	—	—
11PH-TU022-L1-D-6	—	2.34	—	—
11PH-TU022-L1-E-6	—	1.95	—	—
11PH-TU022-L1-F-6	11PH-TU022-L1-F-6	1.34	3.710	2.773
11PH-TU041-L-50-18	—	0.01	—	—
11PH-TU005-L-75-12	—	0.03	—	—
11PH-TU006-L-75-12	—	ND [0.126]	—	—
11PH-TU011-L-75-12	—	ND [0.132]	—	—
11PH-TU012-L-75-12	—	0.04	—	—
11PH-TU014-L-75-12	—	ND [0.142]	—	—
11PH-TU015-L-75-12	—	ND [0.140]	—	—
11PH-TU016-L-75-12	—	0.01	—	—
11PH-TU017-L-75-12	—	ND [0.165]	—	—
11PH-TU018-L-75-12	—	ND [0.186]	—	—
11PH-TU019-L-75-12	—	ND [0.174]	—	—
11PH-TU020-L-75-12	—	0.02	—	—
11PH-TU022-L-75-12	—	ND [0.160]	—	—
11PH-TU022-L-75-12-Dup	—	ND [0.173]	—	—
11PH-TU025-L-75-12	—	ND [0.185]	—	—
11PH-TU026-L-75-12	—	ND [0.162]	—	—
11PH-TU027-L-75-12	—	ND [0.147]	—	—
11PH-TU028-L-75-12	—	ND [0.150]	—	—
11PH-TU029-L-75-12	—	0.01	—	—
11PH-TU032-L-75-12	—	ND [0.133]	—	—
11PH-TU034-L-75-12	—	ND [0.150]	—	—
11PH-TU037-L-75-12	11PH-TU037-L-75-12	0.60	5.710	9.577
11PH-TU038-L-75-12	—	ND [0.184]	—	—
11PH-TU039-L-75-12	—	0.02	—	—
11PH-TU040-L-75-12	—	ND [0.187]	—	—
11PH-TU041-L-75-12	—	ND [0.171]	—	—
11PH-TU042-L-75-12	—	ND [0.149]	—	—
11PH-TU043-L-75-12	—	ND [0.141]	—	—
11PH-TU044-L-75-12	—	ND [0.187]	—	—
11PH-TU007-R-75-12	—	ND [0.187]	—	—
11PH-TU009-R-75-12	—	ND [0.137]	—	—
11PH-TU017-R-75-12	—	ND [0.160]	—	—
11PH-TU024-R-75-12	—	ND [0.140]	—	—
11PH-TU025-R-75-12	—	0.01	—	—
11PH-TU026-R-75-12	—	ND [0.138]	—	—
11PH-TU027-R-75-12	—	ND [0.132]	—	—
11PH-TU029-R-75-12	—	ND [0.138]	—	—
11PH-TU035-R-75-12	—	ND [0.162]	—	—
11PH-TU037-R-75-12	—	ND [0.176]	—	—
11PH-TU004-R-100-12	—	ND [0.128]	—	—
11PH-TU088-L-75-12	—	ND [0.158]	—	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU089-L-75-12	–	0.01	–	–
11PH-TU090-L-75-12	–	ND [0.173]	–	–
11PH-TU086-R-75-12	–	ND [0.136]	–	–
11PH-TU089-R-75-12	–	0.02	–	–
11PH-TU090-R-75-12	11PH-TU090-R-75-12	1.75	4.860	2.773
11PH-TU028-L-100-6	–	0.19	–	–
11PH-TU029-L-100-6	–	0.01	–	–
11PH-TU032-L-100-6	–	0.11	–	–
11PH-TU034-L-100-6	11PH-TU034-L-100-6	0.35	0.459	1.321
11PH-TU037-L-100-6	11PH-TU037-L-100-6	0.20	0.713	3.646
11PH-TU038-L-100-6	11PH-TU038X-L-100-6	2.73	6.120	2.245
11PH-TU039-L-100-6	11PH-TU039-L-100-6	0.61	1.750	2.853
11PH-TU040-L-100-6	–	0.17	–	–
11PH-TU041-L-100-6	–	0.07	–	–
11PH-TU042-L-100-6	11PH-TU042-L-100-6	0.37	1.900	5.147
11PH-TU043-L-100-6	–	0.01	–	–
11PH-TU044-L-100-6	–	0.08	–	–
11PH-TU088-L-100-6	–	0.13	–	–
11PH-TU089-L-100-6	11PH-TU089-L-100-6	1.03	2.440	2.363
11PH-TU090-L-100-6	11PH-TU090-L-100-6	0.27	2.170	7.975
11PH-TU029-R-100-6	–	0.09	–	–
11PH-TU035-R-100-6	–	0.06	–	–
11PH-TU035-R-100-6-Dup	–	0.07	–	–
11PH-TU086-R-100-6	–	0.19	–	–
11PH-TU089-R-100-6	–	0.05	–	–
11PH-TU090-R-100-6	–	0.02	–	–
11PH-TU021-L3-C-6	11PH-TU021-L3-C-6	0.21	0.527	2.507
11PH-TU021-L3-D-6	–	0.17	–	–
11PH-TU021-L3-E-6	11PH-TU021-L3-E-6	0.23	0.462	2.047
11PH-TU022-L4-G-6	–	0.65	–	–
11PH-TU022-L2-B-6	–	1.59	–	–
11PH-TU022-L2-C-6	–	0.89	–	–
11PH-TU022-L2-D-6	–	0.97	–	–
11PH-TU022-L2-E-6	–	0.68	–	–
11PH-TU022-L2-F-6	–	0.17	–	–
11PH-TU022-L2-G-6	11PH-TU022-L2-G-6	0.53	2.010	3.810
11PH-TU022-L3-C-6	11PH-TU022-L3-C-6	0.40	1.330	3.346
11PH-TU088-R-75-12	–	0.02	–	–
11PH-TU088-R-100-6	–	0.18	–	–
11PH-TU022-L3-D-6	11PH-TU022X-L3-D-6	0.29	1.030	3.495
11PH-TU022-L3-E-6	11PH-TU022-L3-E-6	0.46	1.340	2.936
11PH-TU022-L3-F-6	11PH-TU022-L3-F-6	0.43	0.616	1.445
11PH-TU022-L4-C-6	–	0.12	–	–
11PH-TU022-L4-D-6	11PH-TU022-L4-D-6	0.24	0.915	3.855
11PH-TU022-L4-E-6	11PH-TU022-L4-E-6	0.20	0.627	3.065
11PH-SS023-A0-6	–	0.78	–	–
11PH-SS023-B0-6	–	1.12	–	–
11PH-SS023-B0-6-Dup	–	0.85	–	–
11PH-SS023-C0-6	–	1.18	–	–
11PH-SS023-D0-6	–	1.83	–	–
11PH-SS023-E0-6	–	1.34	–	–
11PH-SS023-F0-6	–	1.06	–	–
11PH-SS023-G0-6	–	1.11	–	–
11PH-TU023-LI-A-6	–	1.46	–	–
11PH-TU023-LI-B-6	–	1.95	–	–
11PH-TU023-LI-C-6	–	1.80	–	–
11PH-TU023-LI-D-6	–	2.06	–	–
11PH-TU023-LI-E-6	–	1.42	–	–
11PH-TU023-LI-F-6	–	3.59	–	–
11PH-TU023-LI-G-6	–	3.14	–	–

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU023-L2-C-6	—	1.77	—	—
11PH-TU023-L2-D-6	—	1.00	—	—
11PH-TU023-L2-E-6	—	2.89	—	—
11PH-TU023-L2-F-6	—	1.45	—	—
11PH-TU023-L2-G-6	—	1.02	—	—
11PH-TU023-L3-D-6	11PH-TU023-L3-D-6	0.22	0.458	2.078
11PH-SS024-A0-6	—	1.21	—	—
11PH-SS024-B0-6	—	0.76	—	—
11PH-SS024-C0-6	—	1.35	—	—
11PH-SS024-D0-6	—	0.85	—	—
11PH-SS024-E0-6	—	1.08	—	—
11PH-SS024-F0-6	—	1.36	—	—
11PH-SS024-G0-6	—	0.74	—	—
11PH-TU024-LI-A-6	—	2.19	—	—
11PH-TU024-LI-B-6	—	3.09	—	—
11PH-TU024-LI-C-6	—	3.24	—	—
11PH-TU024-LI-D-6	—	2.26	—	—
11PH-TU024-LI-E-6	—	1.98	—	—
11PH-TU024-LI-F-6	—	2.02	—	—
11PH-TU024-L1-G-6	—	1.93	—	—
11PH-SS025-A0-6	—	1.15	—	—
11PH-SS025-B0-6	—	0.64	—	—
11PH-SS025-C0-6	—	0.74	—	—
11PH-SS025-D0-6	—	0.56	—	—
11PH-SS025-E0-6	—	0.47	—	—
11PH-SS025-F0-6	—	0.62	—	—
11PH-SS025-G0-6	—	0.89	—	—
11PH-TU025-L1-A-6	—	1.35	—	—
11PH-TU025-L1-B-6	—	1.52	—	—
11PH-TU025-L1-B-6-Dup	—	1.28	—	—
11PH-TU025-L1-C-6	—	4.13	—	—
11PH-TU025-L1-D-6	—	0.82	—	—
11PH-TU025-L1-E-6	11PH-TU025-L1-E-6	0.38	1.890	5.012
11PH-TU025-L1-F-6	—	0.68	—	—
11PH-TU025-L1-G-6	—	2.33	—	—
11PH-SS026-A0-6	—	0.98	—	—
11PH-SS026-B0-6	—	0.97	—	—
11PH-SS026-C0-6	—	1.02	—	—
11PH-SS026-D0-6	—	1.27	—	—
11PH-SS026-E0-6	—	0.81	—	—
11PH-SS026-F0-6	—	2.14	—	—
11PH-SS026-G0-6	—	0.96	—	—
11PH-TU026-L1-A-6	—	1.33	—	—
11PH-TU026-L1-B-6	—	1.33	—	—
11PH-TU026-L1-C-6	—	3.40	—	—
11PH-TU026-L1-D-6	—	1.05	—	—
11PH-TU026-L1-E-6	—	1.21	—	—
11PH-TU026-L1-F-6	—	2.25	—	—
11PH-TU026-L1-G-6	—	2.16	—	—
11PH-SS027-A0-6	—	1.15	—	—
11PH-SS027-B0-6	—	1.83	—	—
11PH-SS027-C0-6	—	1.43	—	—
11PH-SS027-D0-6	—	1.76	—	—
11PH-SS027-E0-6	—	2.10	—	—
11PH-SS027-F0-6	—	1.85	—	—
11PH-SS027-G0-6	—	1.62	—	—
11PH-TU027-L1-A-6	—	2.22	—	—
11PH-TU027-L1-B-6	—	2.46	—	—
11PH-TU027-L1-C-6	—	0.91	—	—
11PH-TU027-L1-D-6	—	2.47	—	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU027-L1-E-6	—	2.74	—	—
11PH-TU027-L1-F-6	—	2.13	—	—
11PH-TU027-L1-G-6	—	3.75	—	—
11PH-SS028-A0-6	—	1.54	—	—
11PH-SS028-B0-6	—	1.71	—	—
11PH-SS028-C0-6	—	1.52	—	—
11PH-SS028-D0-6	—	2.38	—	—
11PH-SS028-E0-6	—	1.52	—	—
11PH-SS028-F0-6	—	2.47	—	—
11PH-SS028-G0-6	—	1.53	—	—
11PH-TU028-L1-A-6	—	5.25	—	—
11PH-TU028-L1-B-6	—	2.02	—	—
11PH-TU028-L1-C-6	—	3.82	—	—
11PH-TU028-L1-D-6	—	2.55	—	—
11PH-TU028-L1-E-6	—	2.00	—	—
11PH-TU028-L1-F-6	—	1.01	—	—
11PH-TU028-L1-G-6	—	1.17	—	—
11PH-SS029-A0-6	—	1.29	—	—
11PH-SS029-B0-6	—	1.87	—	—
11PH-SS029-C0-6	—	1.07	—	—
11PH-SS029-D0-6	—	1.02	—	—
11PH-SS029-E0-6	—	1.29	—	—
11PH-SS029-F0-6	—	2.07	—	—
11PH-SS029-G0-6	—	1.21	—	—
11PH-TU029-L1-A-6	—	3.28	—	—
11PH-TU029-L1-B-6	—	1.99	—	—
11PH-TU029-L1-C-6	—	4.57	—	—
11PH-TU029-L1-D-6	—	2.39	—	—
11PH-TU029-L1-E-6	—	3.04	—	—
11PH-TU029-L1-F-6	—	0.85	—	—
11PH-TU029-L1-G-6	—	0.63	—	—
11PH-SS030-A0-6	—	1.15	—	—
11PH-SS030-A0-6-Dup	—	1.44	—	—
11PH-SS030-B0-6	—	1.65	—	—
11PH-SS030-C0-6	—	1.41	—	—
11PH-SS030-D0-6	—	1.00	—	—
11PH-SS030-E0-6	—	1.48	—	—
11PH-SS030-F0-6	—	1.02	—	—
11PH-SS030-G0-6	—	1.24	—	—
11PH-TU030-L1-A-6	—	3.65	—	—
11PH-TU030-L1-B-6	—	1.91	—	—
11PH-TU030-L1-C-6	—	1.34	—	—
11PH-TU030-L1-D-6	—	1.24	—	—
11PH-TU030-L1-E-6	—	1.56	—	—
11PH-TU030-L1-F-6	11PH-TU030-L1-F-6	0.47	1.390	2.955
11PH-TU030-L1-G-6	11PH-TU030-L1-G-6	0.42	1.450	3.452
11PH-TU031-L1-A-6	—	1.11	—	—
11PH-TU031-L1-B-6	—	0.70	—	—
11PH-TU031-L1-C-6	11PH-TU031-L1-C-6	0.46	1.260	2.749
11PH-TU031-L1-D-6	—	1.06	—	—
11PH-TU031-L1-E-6	—	1.46	—	—
11PH-TU031-L1-F-6	—	0.68	—	—
11PH-TU031-L1-G-6	—	1.08	—	—
11PH-TU031-L1-G-6-Dup	—	0.46	—	—
11PH-TU032-L1-A-6	—	1.34	—	—
11PH-TU032-L1-B-6	—	1.43	—	—
11PH-TU032-L1-C-6	—	1.03	—	—
11PH-TU032-L1-D-6	—	1.07	—	—
11PH-TU032-L1-E-6	—	1.06	—	—
11PH-TU032-L1-F-6	—	0.74	—	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU032-L1-G-6	—	1.08	—	—
11PH-TU033-L1-A-6	—	1.26	—	—
11PH-TU033-L1-B-6	—	1.30	—	—
11PH-TU033-L1-C-6	—	4.79	—	—
11PH-TU033-L1-D-6	—	0.67	—	—
11PH-TU033-L1-E-6	—	1.39	—	—
11PH-TU033-L1-F-6	—	1.00	—	—
11PH-TU033-L1-G-6	—	0.84	—	—
11PH-TU034-L1-A-6	—	0.61	—	—
11PH-TU034-L1-B-6	—	0.73	—	—
11PH-TU034-L1-C-6	11PH-TU034-L1-C-6	0.28	0.512	1.822
11PH-TU034-L1-D-6	11PH-TU034-L1-D-6	0.49	1.010	2.081
11PH-TU034-L1-E-6	11PH-TU034-L1-E-6	0.25	0.333	1.335
11PH-TU034-L1-F-6	—	0.12	—	—
11PH-TU034-L1-G-6	—	0.07	—	—
11PH-TU035-L1-A-6	—	0.15	—	—
11PH-TU035-L1-B-6	—	0.12	—	—
11PH-TU035-L1-C-6	11PH-TU035-L1-C-6	0.37	1.320	3.615
11PH-TU035-L1-D-6	11PH-TU035-L1-D-6	0.31	1.630	5.342
11PH-TU035-L1-E-6	11PH-TU035-L1-E-6	0.43	1.570	3.664
—	11PH-TU035X-L1-G-6	—	1.630	—
11PH-TU035-L1-F-6	11PH-TU035-L1-F-6	0.57	3.370	5.907
11PH-TU035-L1-G-6	11PH-TU035-L1-G-6	0.46	1.700	3.689
—	11PH-TU028-L3-C-6	—	1.700	—
11PH-TU036-L1-A-6	—	0.63	—	—
—	11PH-WP-TWC-002	—	1.700	—
11PH-TU036-L1-B-6	11PH-TU036-L1-B-6	0.58	4.690	8.046
11PH-TU036-L1-C-6	—	1.34	—	—
11PH-TU036-L1-D-6	—	0.13	—	—
11PH-TU036-L1-E-6	—	ND [0.134]	—	—
11PH-TU036-L1-F-6	—	ND [0.132]	—	—
11PH-TU036-L1-G-6	11PH-TU036-L1-G-6	0.41	2.260	5.564
11PH-TU037-L1-A-6	11PH-TU037-L1-A-6	0.45	3.830	8.487
11PH-TU037-L1-B-6	11PH-TU037-L1-B-6	0.27	2.180	8.166
11PH-TU037-L1-C-6	11PH-TU037-L1-C-6	0.36	2.410	6.747
11PH-TU037-L1-D-6	11PH-TU037-L1-D-6	0.40	1.460	3.612
11PH-TU037-L1-E-6	11PH-TU037-L1-E-6	0.31	2.120	6.827
11PH-TU037-L1-F-6	—	0.72	—	—
11PH-TU037-L1-G-6	—	1.62	—	—
11PH-TU038-L1-A-6	—	1.45	—	—
11PH-TU038-L1-B-6	—	1.84	—	—
11PH-TU038-L1-C-6	11PH-TU038-L1-C-6	0.40	2.350	5.927
11PH-TU038-L1-D-6	—	0.71	—	—
11PH-TU038-L1-E-6	—	1.01	—	—
11PH-TU038-L1-F-6	—	1.42	—	—
11PH-TU038-L1-G-6	—	1.17	—	—
11PH-SS038-A5-6	11PH-SS038-A5-6	0.50	3.530	6.994
11PH-SS038-B5-6	—	0.12	—	—
11PH-SS038-G5-6	—	0.09	—	—
11PH-TU038-R1-A-6	—	0.03	—	—
11PH-TU038-R1-G-6	—	0.01	—	—
11PH-SS037-A5-6	—	0.99	—	—
11PH-SS037-B5-6	—	0.29	—	—
11PH-SS037-C5-6	—	0.55	—	—
11PH-SS037-C5-6-Dup	—	0.68	—	—
11PH-SS037-D5-6	11PH-SS037-D5-6	0.30	2.660	8.886
11PH-SS037-E5-6	11PH-SS037-E5-6	0.30	3.180	10.762
11PH-SS037-F5-6	11PH-SS037-F5-6	0.45	3.060	6.755
11PH-SS037-G5-6	—	0.89	—	—
11PH-TU037-R1-A-6	—	0.83	—	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU037-R1-B-6	–	0.79	–	–
11PH-TU037-R1-C-6	11PH-TU037-R1-C-6	0.53	2.910	5.533
11PH-TU037-R1-D-6	11PH-TU037-R1-D-6	0.28	1.760	6.188
11PH-TU037-R1-E-6	11PH-TU037-R1-E-6	0.27	2.680	9.999
11PH-TU037-R1-F-6	–	0.19	–	–
11PH-TU037-R1-G-6	–	0.08	–	–
11PH-TU036-R1-A-6	11PH-TU036-R1-A-6	0.52	2.500	4.849
11PH-TU036-R1-B-6	–	0.67	–	–
11PH-TU036-R1-C-6	11PH-TU036-R1-C-6	0.49	2.740	5.541
11PH-TU036-R1-D-6	–	1.47	–	–
11PH-TU036-R1-E-6	11PH-TU036-R1-E-6	0.44	4.630	10.543
11PH-TU036-R1-F-6	11PH-TU036-R1-F-6	0.32	4.800	15.074
–	11PH-SS012X-L-12	–	4.800	–
11PH-TU036-R1-G-6	–	0.12	–	–
11PH-TU035-R1-A-6	11PH-TU035-R1-A-6	0.35	2.810	8.052
11PH-TU035-R1-B-6	11PH-TU035-R1-B-6	0.33	2.440	7.451
–	11PH-SS028X-L-12	–	2.880	–
11PH-TU035-R1-C-6	11PH-TU035-R1-C-6	0.47	5.050	10.835
11PH-TU035-R1-D-6	11PH-TU035-R1-D-6	0.37	2.990	8.051
11PH-TU035-R1-E-6	11PH-TU035-R1-E-6	0.54	3.980	7.432
11PH-TU035-R1-F-6	11PH-TU035-R1-F-6	0.41	4.190	10.173
11PH-TU035-R1-G-6	11PH-TU035-R1-G-6	0.50	4.980	9.988
11PH-SS034-A5-6	–	0.87	–	–
11PH-SS034-B5-6	–	0.29	–	–
11PH-SS034-C5-6	–	0.64	–	–
11PH-SS034-D5-6	–	0.55	–	–
11PH-TU034-R1-A-6	–	1.62	–	–
11PH-TU034-R1-A-6-Dup	–	1.55	–	–
11PH-TU034-R1-B-6	–	1.10	–	–
11PH-TU034-R1-C-6	–	1.01	–	–
11PH-TU034-R1-D-6	–	0.81	–	–
11PH-TU034-R1-E-6	11PH-TU034-R1-E-6	0.38	2.230	5.826
11PH-TU034-R1-F-6	–	0.69	–	–
11PH-TU034-R1-G-6	11PH-TU034-R1-G-6	0.57	5.600	9.856
11PH-SS033-A5-6	11PH-SS033-A5-6	0.36	4.000	11.010
11PH-SS033-B5-6	–	1.00	–	–
11PH-SS033-C5-6	–	0.75	–	–
11PH-SS033-D5-6	11PH-SS033-D5-6	0.41	2.040	5.011
11PH-SS033-E5-6	11PH-SS033-E5-6	0.42	1.970	4.744
11PH-SS033-F5-6	–	0.47	–	–
11PH-SS033-G5-6	–	0.60	–	–
11PH-TU033-R1-A-6	11PH-TU033-R1-A-6	0.37	2.210	5.941
11PH-TU033-R1-B-6	11PH-TU033-R1-B-6	0.22	1.680	7.704
–	11PH-TU016X-L1-C-6	–	1.680	–
11PH-TU033-R1-C-6	–	0.12	–	–
11PH-TU033-R1-D-6	11PH-TU033-R1-D-6	0.34	1.530	4.560
11PH-TU033-R1-E-6	11PH-TU033-R1-E-6	0.35	2.120	6.095
11PH-TU033-R1-F-6	–	1.00	–	–
11PH-TU033-R1-G-6	–	1.12	–	–
11PH-SS032-A5-6	–	0.87	–	–
11PH-SS032-B5-6	–	1.42	–	–
11PH-SS032-C5-6	–	0.79	–	–
11PH-SS032-D5-6	11PH-SS032-D5-6	0.46	4.520	9.773
11PH-SS032-E5-6	11PH-SS032-E5-6	0.45	2.240	5.001
11PH-SS032-F5-6	–	0.93	–	–
11PH-SS032-G5-6	–	1.52	–	–
11PH-TU032-R1-A-6	11PH-TU032-R1-A-6	0.35	1.840	5.326
11PH-TU032-R1-B-6	–	0.63	–	–
11PH-TU032-R1-C-6	11PH-TU032-R1-C-6	0.21	0.935	4.468
11PH-TU032-R1-D-6	11PH-TU032-R1-D-6	0.22	1.640	7.369

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU032-R1-E-6	–	0.11	–	–
11PH-TU032-R1-F-6	11PH-TU032-R1-F-6	0.22	0.550	2.550
11PH-TU032-R1-G-6	11PH-TU032-R1-G-6	0.24	0.874	3.653
11PH-SS031-A5-6	–	1.36	–	–
11PH-SS031-B5-6	–	1.26	–	–
11PH-SS031-C5-6	–	1.37	–	–
11PH-SS031-D5-6	–	0.46	–	–
11PH-SS031-E5-6	–	1.05	–	–
11PH-SS031-F5-6	–	0.75	–	–
11PH-SS031-G5-6	–	1.13	–	–
11PH-TU031-R1-A-6	11PH-TU031-R1-A-6	0.33	1.110	3.318
11PH-TU031-R1-B-6	11PH-TU031-R1-B-6	0.40	1.750	4.419
11PH-TU031-R1-C-6	11PH-TU031-R1-C-6	0.36	1.270	3.506
11PH-TU031-R1-D-6	11PH-TU031-R1-D-6	0.41	1.260	3.051
–	11PH-TU019-L1-G-6	–	1.270	–
–	11PH-TU029-R1-C-6	–	1.260	–
11PH-TU031-R1-E-6	11PH-TU031-R1-E-6	0.28	1.550	5.457
11PH-TU031-R1-F-6	–	0.24	–	–
11PH-TU031-R1-F-6-Dup	11PH-TU031-R1-F-6	0.29	1.630	5.558
11PH-TU031-R1-G-6	11PH-TU031-R1-G-6	0.36	1.470	4.090
11PH-SS030-A5-6	–	0.42	–	–
11PH-SS030-B5-6	–	0.59	–	–
11PH-SS030-C5-6	–	0.51	–	–
11PH-SS030-D5-6	–	0.50	–	–
11PH-SS030-E5-6	–	0.61	–	–
11PH-SS030-F5-6	–	1.02	–	–
11PH-SS030-G5-6	–	1.32	–	–
11PH-TU030-R1-A-6	11PH-TU030-R1-A-6	0.23	0.934	4.105
11PH-TU030-R1-B-6	11PH-TU030-R1-B-6	0.34	1.380	4.089
11PH-TU030-R1-C-6	11PH-TU030-R1-C-6	0.24	0.849	3.556
11PH-TU030-R1-D-6	11PH-TU030-R1-D-6	0.21	0.784	3.733
11PH-TU030-R1-E-6	–	0.18	–	–
11PH-TU030-R1-F-6	11PH-TU030-R1-F-6	0.25	1.070	4.203
11PH-TU030-R1-G-6	11PH-TU030-R1-G-6	0.40	1.610	3.990
11PH-SS029-E5-6	11PH-SS029X-E5-6	0.50	2.190	4.411
11PH-SS029-F5-6	11PH-SS029-F5-6	0.58	1.990	3.459
–	11PH-TU021X-R1-C-6	–	2.190	–
11PH-SS029-G5-6	11PH-SS029-G5-6	0.31	1.700	5.557
–	11PH-TU035-R2-D-6	–	2.190	–
11PH-TU029-R1-A-6	11PH-TU029-R1-A-6	0.33	1.400	4.232
11PH-TU029-R1-B-6	11PH-TU029-R1-B-6	0.32	1.300	4.111
11PH-TU029-R1-C-6	11PH-TU029-R1-C-6	0.33	1.580	4.823
11PH-TU029-R1-D-6	11PH-TU029-R1-D-6	0.26	1.110	4.256
11PH-TU029-R1-E-6	11PH-TU029-R1-E-6	0.31	1.260	4.080
11PH-TU029-R1-F-6	11PH-TU029-R1-F-6	0.38	1.490	3.897
11PH-TU029-R1-G-6	11PH-TU029-R1-G-6	0.20	0.713	3.609
11PH-TU028-R1-A-6	11PH-TU028-R1-A-6	0.43	1.560	3.641
11PH-TU028-R1-B-6	11PH-TU028-R1-B-6	0.46	1.470	3.179
11PH-TU028-R1-C-6	11PH-TU028-R1-C-6	0.52	2.560	4.932
11PH-TU028-R1-D-6	11PH-TU028-R1-D-6	0.59	1.860	3.160
11PH-TU028-R1-E-6	11PH-TU028-R1-E-6	0.35	1.150	3.309
11PH-TU028-R1-F-6	11PH-TU028-R1-F-6	0.42	1.670	4.020
11PH-TU028-R1-G-6	11PH-TU028-R1-G-6	0.35	1.390	3.920
11PH-TU027-R1-A-6	–	0.66	–	–
11PH-TU027-R1-A-6-Dup	–	0.70	–	–
11PH-TU027-R1-B-6	11PH-TU027-R1-B-6	0.59	1.760	2.997
11PH-TU027-R1-C-6	11PH-TU027-R1-C-6	0.25	1.440	5.816
11PH-TU027-R1-D-6	11PH-TU027-R1-D-6	0.46	0.950	2.059
11PH-TU027-R1-E-6	11PH-TU027-R1-E-6	0.22	0.791	3.659
11PH-TU027-R1-F-6	11PH-TU027-R1-F-6	0.22	1.290	5.806

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU027-R1-G-6	11PH-TU027-R1-G-6	0.28	1.070	3.794
–	11PH-TU029-L3-A-6	–	1.290	–
11PH-TU026-R1-A-6	11PH-TU026-R1-A-6	0.23	1.240	5.481
11PH-TU026-R1-B-6	11PH-TU026-R1-B-6	0.36	1.530	4.297
11PH-TU026-R1-C-6	11PH-TU026X-R1-C-6	0.34	1.530	4.549
11PH-TU026-R1-D-6	–	1.26	–	–
11PH-TU026-R1-E-6	11PH-TU026-R1-E-6	0.28	3.960	14.230
11PH-TU026-R1-F-6	11PH-TU026-R1-F-6	0.37	2.980	8.088
11PH-TU026-R1-G-6	–	0.92	–	–
11PH-SS025-A5-6	–	0.87	–	–
11PH-SS025-B5-6	–	0.71	–	–
11PH-TU025-R1-A-6	11PH-TU025-R1-A-6	0.47	2.010	4.282
11PH-TU025-R1-B-6	11PH-TU025-R1-B-6	0.41	1.530	3.692
11PH-TU025-R1-C-6	–	0.64	–	–
11PH-TU025-R1-D-6	11PH-TU025-R1-D-6	0.40	1.630	4.101
11PH-TU025-R1-E-6	11PH-TU025-R1-E-6	0.40	1.300	3.276
11PH-TU025-R1-F-6	11PH-TU025-R1-F-6	0.24	0.853	3.538
–	11PH-TU022-R1-D-6	–	0.861	–
11PH-TU025-R1-G-6	11PH-TU025-R1-G-6	0.35	1.300	3.722
11PH-SS024-A5-6	–	1.84	–	–
11PH-SS024-B5-6	–	0.76	–	–
11PH-SS024-C5-6	–	1.28	–	–
11PH-SS024-D5-6	–	0.75	–	–
11PH-SS024-E5-6	–	1.00	–	–
11PH-SS024-F5-6	11PH-SS024-F5-6	0.39	1.590	4.065
11PH-SS024-G5-6	–	0.88	–	–
11PH-TU024-R1-A-6	11PH-TU024-R1-A-6	0.41	1.780	4.363
11PH-TU024-R1-B-6	11PH-TU024-R1-B-6	0.36	2.310	6.449
11PH-TU024-R1-C-6	11PH-TU024-R1-C-6	0.37	2.450	6.610
11PH-TU024-R1-D-6	11PH-TU024-R1-D-6	0.50	2.400	4.830
–	11PH-TU035X-R1-A-6	–	2.460	–
11PH-TU024-R1-E-6	–	0.83	–	–
11PH-TU024-R1-E-6-Dup	–	0.92	–	–
11PH-TU024-R1-F-6	–	0.61	–	–
11PH-TU024-R1-G-6	11PH-TU024-R1-G-6	0.48	2.310	4.778
11PH-SS023-A5-6	11PH-SS023X-A5-6	0.52	2.350	4.509
11PH-SS023-B5-6	11PH-SS023-B5-6	0.57	1.870	3.305
11PH-SS023-C5-6	–	1.06	–	–
11PH-SS023-D5-6	–	0.65	–	–
11PH-SS023-E5-6	–	0.78	–	–
11PH-SS023-F5-6	–	0.71	–	–
11PH-SS023-G5-6	–	0.91	–	–
11PH-TU023-R1-A-6	11PH-TU023-R1-A-6	0.26	1.070	4.068
11PH-TU023-R1-B-6	11PH-TU023-R1-B-6	0.42	1.850	4.428
11PH-TU023-R1-C-6	11PH-TU023-R1-C-6	0.44	2.260	5.175
11PH-TU023-R1-D-6	11PH-TU023-R1-D-6	0.49	1.700	3.442
11PH-TU023-R1-E-6	11PH-TU023-R1-E-6	0.40	2.160	5.451
11PH-TU023-R1-F-6	11PH-TU023-R1-F-6	0.57	2.510	4.419
11PH-TU023-R1-G-6	11PH-TU023-R1-G-6	0.52	2.080	3.965
11PH-SS022-F5-6	–	0.77	–	–
11PH-SS022-G5-6	–	0.66	–	–
11PH-TU022-R1-A-6	11PH-TU022-R1-A-6	0.45	2.330	5.169
11PH-TU029-L2-A-6	–	0.66	–	–
11PH-TU029-L2-B-6	–	1.29	–	–
11PH-TU029-L2-C-6	–	0.71	–	–
11PH-TU029-L2-D-6	11PH-TU029-L2-D-6	0.57	1.110	1.957
11PH-TU029-L2-E-6	11PH-TU029-L2-E-6	0.29	1.150	3.983
11PH-TU028-L2-A-6	–	0.80	–	–
11PH-TU028-L2-B-6	–	0.99	–	–
11PH-TU028-L2-C-6	–	1.53	–	–

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU028-L2-D-6	–	0.66	–	–
11PH-TU028-L2-E-6	–	0.80	–	–
11PH-TU028-L2-F-6	–	0.84	–	–
11PH-TU028-L2-G-6	11PH-TU028-L2-G-6	0.26	0.895	3.497
11PH-TU027-L2-A-6	–	1.24	–	–
11PH-TU027-L2-B-6	–	1.56	–	–
11PH-TU027-L2-C-6	–	1.36	–	–
11PH-TU027-L2-D-6	–	1.12	–	–
11PH-TU027-L2-E-6	–	1.09	–	–
11PH-TU027-L2-F-6	11PH-TU027-L2-F-6	0.55	1.900	3.429
11PH-TU027-L2-G-6	–	1.21	–	–
11PH-TU026-L2-A-6	–	1.06	–	–
11PH-TU026-L2-B-6	–	0.97	–	–
11PH-TU026-L2-C-6	11PH-TU026-L2-C-6	0.42	1.170	2.778
11PH-TU026-L2-D-6	–	0.83	–	–
11PH-TU026-L2-E-6	11PH-TU026-L2-E-6	0.32	1.400	4.333
11PH-TU026-L2-F-6	–	1.52	–	–
11PH-TU026-L2G-6	–	1.50	–	–
11PH-TU025-L2-A-6	–	0.99	–	–
11PH-TU025-L2-B-6	–	0.64	–	–
11PH-TU025-L2-C-6	11PH-TU025-L2-C-6	0.46	1.880	4.115
11PH-TU025-L2-D-6	–	0.65	–	–
11PH-TU025-L2-F-6	–	0.18	–	–
11PH-TU025-L2-F-6-Dup	–	0.17	–	–
11PH-TU025-L2-G-6	11PH-TU025-L2-G-6	0.31	1.490	4.851
11PH-TU024-L2-A-6	–	0.92	–	–
11PH-TU024-L2-B-6	11PH-TU024-L2-B-6	0.42	1.420	3.347
11PH-TU024-L2-C-6	–	0.69	–	–
11PH-TU024-L2-D-6	–	1.28	–	–
11PH-TU024-L2-E-6	–	1.15	–	–
11PH-TU024-L2-F-6	–	0.87	–	–
11PH-TU024-L2-G-6	–	0.72	–	–
11PH-SS025-C5-6	11PH-SS025-C5-6	0.34	1.130	3.345
11PH-SS027-A5-6	–	0.82	–	–
11PH-SS027-B5-6	–	1.39	–	–
11PH-SS027-C5-6	–	1.01	–	–
11PH-TU022-R1-B-6	11PH-TU022-R1-B-6	0.48	2.440	5.095
11PH-TU022-R1-C-6	11PH-TU022-R1-C-6	0.22	0.932	4.143
11PH-TU022-R1-D-6	11PH-TU022X-R1-D-6	0.24	0.873	3.649
11PH-TU022-R1-E-6	11PH-TU022-R1-E-6	0.26	1.090	4.124
11PH-TU022-R1-F-6	11PH-TU022-R1-F-6	0.31	1.810	5.831
–	11PH-SS006-R-6	–	1.810	–
11PH-TU022-R1-G-6	–	0.17	–	–
11PH-TU034-L2-A-6	–	1.00	–	–
11PH-TU034-L2-B-6	–	0.78	–	–
11PH-TU034-L2-D-6	11PH-TU034-L2-D-6	0.36	0.843	2.351
11PH-TU038-L2-A-6	–	1.20	–	–
11PH-TU038-L2-B-6	11PH-TU038-L2-B-6	0.38	1.950	5.141
11PH-TU038-L2-D-6	–	1.26	–	–
11PH-TU038-L2-E-6	–	0.91	–	–
11PH-TU038-L2-F-6	–	1.08	–	–
11PH-TU038-L2-G-6	–	2.03	–	–
11PH-TU035-R2-D-6	11PH-TU035-R2-D-6	0.40	2.230	5.598
11PH-TU036-R2-B-6	–	0.39	–	–
11PH-TU036-R2-B-6-Dup	11PH-TU036-R2-B-6	0.42	2.740	6.458
11PH-TU037-L2-F-6	–	0.92	–	–
11PH-TU037-L2-G-6	–	2.36	–	–
11PH-TU033-L2-A-6	–	1.37	–	–
11PH-TU033-L2-B-6	–	1.64	–	–
11PH-TU033-L2-C-6	–	0.95	–	–

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU033-L2-D-6	—	0.76	—	—
11PH-TU033-L2-E-6	—	1.04	—	—
11PH-TU033-L2-F-6	—	0.81	—	—
11PH-TU033-L2-G-6	11PH-TU033-L2-G-6	0.47	0.788	1.668
11PH-TU032-L2-B-6	—	0.14	—	—
11PH-TU032-L2-C-6	—	0.13	—	—
11PH-TU032-L2-D-6	—	0.14	—	—
11PH-TU032-L2-E-6	—	0.15	—	—
11PH-TU032-L2-F-6	—	0.13	—	—
11PH-TU032-L2-G-6	11PH-TU032-L2-G-6	0.41	0.789	1.945
11PH-TU031-L2-D-6	—	0.19	—	—
11PH-TU031-L2-E-6	11PH-TU031-L2-E-6	0.57	1.470	2.581
11PH-TU029-L2-F-6	11PH-TU029-L2-F-6	0.46	1.520	3.282
11PH-TU022-L1-F-6	11PH-TU022-L1-F-6	0.54	3.710	6.912
11PH-TU036-R2-D-6	11PH-TU036-R2-D-6	0.25	2.080	8.164
11PH-TU015-R2-C-6	—	0.04	—	—
11PH-TU024-R2-D-6	11PH-TU024-R2-D-6	0.29	3.860	13.504
11PH-TU024-R2-E-6	11PH-TU024-R2-E-6	0.55	4.660	8.464
11PH-TU024-R2-F-6	11PH-TU024-R2-F-6	0.25	2.490	9.926
—	11PH-SS035-R-6	—	4.680	—
11PH-TU025-R2-C-6	11PH-TU025-R2-C-6	0.34	2.230	6.558
11PH-TU025-R2-D-6	11PH-TU025-R2-D-6	0.24	1.920	8.081
11PH-TU025-R4-D-6	—	0.04	—	—
11PH-TU026-R2-D-6	—	2.61	—	—
11PH-TU026-R2-G-6	11PH-TU026-R2-G-6	0.27	1.440	5.304
11PH-TU026-R4-D-6	—	0.09	—	—
11PH-TU027-R2-A-6	11PH-TU027-R2-A-6	0.27	1.700	6.225
11PH-TU027-R2-D-6	11PH-TU027-R2-D-6	0.59	6.760	11.516
11PH-TU027-R4-D-6	—	0.13	—	—
11PH-SS010-A0-6	11PH-SS010-A0-6	0.34	2.430	7.125
11PH-SS010-B0-6	11PH-SS010-B0-6	0.46	2.370	5.167
11PH-SS010-C0-6	—	0.92	—	—
11PH-SS010-D0-6	—	1.21	—	—
11PH-SS010-E0-6	11PH-SS010-E0-6	0.60	2.410	4.042
11PH-SS010-F0-6	11PH-SS010-F0-6	0.45	2.200	4.938
11PH-SS010-G0-6	11PH-SS010-G0-6	0.50	1.930	3.885
11PH-TU010-L1-A-6	—	0.62	—	—
11PH-TU010-L1-B-6	11PH-TU010-L1-B-6	0.46	1.950	4.261
11PH-TU010-L1-C-6	—	1.11	—	—
11PH-TU010-L1-D-6	—	1.35	—	—
11PH-TU010-R1-A-6	11PH-TU010-R1-A-6	0.30	1.160	3.897
11PH-TU010-R1-B-6	11PH-TU010-R1-B-6	0.31	0.955	3.068
11PH-TU010-R1-C-6	11PH-TU010-R1-C-6	0.23	0.704	3.121
11PH-TU010-R1-D-6	—	0.17	—	—
11PH-TU010-R1-E-6	11PH-TU010-R1-E-6	0.27	0.922	3.443
11PH-TU010-R1-F-6	—	0.18	—	—
11PH-TU010-R1-G-6	11PH-TU010-R1-G-6	0.23	0.888	3.820
11PH-TU010-R1-G-6-Dup	—	0.20	—	—
11PH-SS010-A5-6	—	0.95	—	—
11PH-SS010-B5-6	11PH-SS010-B5-6	0.46	1.640	3.532
11PH-SS010-C5-6	—	0.38	—	—
11PH-SS010-D5-6	11PH-SS010-D5-6	0.40	1.150	2.884
11PH-SS010-E5-6	11PH-SS010-E5-6	0.60	1.620	2.684
11PH-SS010-F5-6	—	0.97	—	—
11PH-SS010-G5-6	—	1.09	—	—
11PH-TU010-L1-E-6	—	1.40	—	—
11PH-TU010-L1-F-6	—	3.46	—	—
11PH-TU010-L1-G-6	—	0.92	—	—
11PH-SS009-A0-6	11PH-SS009-A0-6	0.53	2.510	4.758
11PH-SS009-B0-6	11PH-SS009-B0-6	0.37	2.910	7.820

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SS009-C0-6	–	0.69	–	–
11PH-SS009-D0-6	–	0.69	–	–
11PH-SS009-E0-6	–	0.78	–	–
11PH-SS009-F0-6	11PH-SS009-F0-6	0.49	2.470	5.050
11PH-SS009-G0-6	–	0.97	–	–
11PH-TU009-L1-A-6	11PH-TU009-L1-A-6	0.41	2.340	5.713
11PH-TU009-L1-B-6	11PH-TU009-L1-B-6	0.35	2.570	7.278
11PH-TU009-L1-C-6	11PH-TU009-L1-C-6	0.41	4.980	12.248
11PH-TU009-L1-D-6	–	0.44	–	–
11PH-TU009-L1-D-6-Dup	11PH-TU009-L1-D-6	0.44	1.790	4.062
11PH-TU009-L1-E-6	11PH-TU009-L1-E-6	0.60	3.320	5.521
11PH-TU009-L1-F-6	11PH-TU009-L1-F-6	0.33	1.710	5.241
11PH-TU009-L1-G-6	–	0.43	–	–
11PH-TU011-L1-A-6	–	0.79	–	–
11PH-TU011-L1-B-6	–	1.20	–	–
11PH-TU011-L1-C-6	–	0.67	–	–
11PH-TU011-L1-D-6	–	0.64	–	–
11PH-TU011-L1-E-6	–	1.31	–	–
11PH-TU011-L1-F-6	–	0.71	–	–
11PH-TU011-L1-G-6	–	1.57	–	–
11PH-SS011-A0-6	11PH-SS011-A0-6	0.44	1.710	3.908
11PH-SS011-B0-6	11PH-SS011-B0-6	0.47	1.670	3.557
11PH-SS011-C0-6	–	0.84	–	–
11PH-SS011-D0-6	11PH-SS011-D0-6	0.38	1.160	3.089
11PH-SS011-E0-6	11PH-SS011-E0-6	0.47	1.910	4.034
11PH-SS011-F0-6	11PH-SS011-F0-6	0.48	0.979	2.061
11PH-SS011-G0-6	–	0.66	–	–
11PH-SS011-A5-6	–	0.93	–	–
11PH-SS011-B5-6	11PH-SS011-B5-6	0.37	1.640	4.376
11PH-SS011-C5-6	11PH-SS011-C5-6	0.24	1.130	4.644
11PH-SS011-D5-6	–	0.16	–	–
11PH-SS011-E5-6	–	0.07	–	–
11PH-SS011-F5-6	–	0.07	–	–
11PH-SS011-G5-6	–	0.10	–	–
11PH-TU004-L-125-6	11PH-TU004-L-125-6	0.79	1.110	1.409
11PH-TU012-L-100-12	–	ND [0.232]	–	–
11PH-TU012-L-125-6	–	0.06	–	–
11PH-TU013-L-50-24	–	ND [0.182]	–	–
11PH-TU014-L-100-12	–	0.02	–	–
11PH-TU014-L-125-6	–	0.09	–	–
11PH-TU016-L-100-12	–	ND [0.229]	–	–
11PH-TU016-L-125-6	–	0.02	–	–
11PH-TU017-R-100-12	–	ND [0.201]	–	–
11PH-TU017-R-125-6	–	ND [0.191]	–	–
11PH-TU019-L-100-12	–	ND [0.170]	–	–
11PH-TU019-L-125-6	–	ND [0.231]	–	–
11PH-TU025-L-100-12	–	ND [0.148]	–	–
11PH-TU025-L-125-6	–	ND [0.228]	–	–
11PH-TU027-L-100-12	–	ND [0.174]	–	–
11PH-TU027-L-125-6	–	0.01	–	–
11PH-TU034-L-100-12	–	ND [0.144]	–	–
11PH-TU034-L-125-6	–	0.02	–	–
11PH-TU037-L-75-18	–	0.04	–	–
11PH-TU037-L-100-12	–	0.07	–	–
11PH-TU037-L-100-12-Dup	–	0.08	–	–
11PH-TU037-L-125-6	11PH-TU037-L-125-6	0.80	1.760	2.212
11PH-TU038-L-100-12	–	0.01	–	–
11PH-TU038-L-125-6	–	0.30	–	–
11PH-TU039-L-100-12	–	0.01	–	–
11PH-TU039-L-125-6	–	0.15	–	–

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU042-L-100-12	—	ND [0.125]	—	—
11PH-TU042-L-125-6	—	0.02	—	—
11PH-TU089-L-100-12	—	0.02	—	—
11PH-TU089-L-125-6	—	0.09	—	—
11PH-TU090-R-75-18	—	0.02	—	—
11PH-TU090-L-100-12	—	ND [0.181]	—	—
11PH-TU090-L-125-6	—	0.23	—	—
11PH-TU011-R1-A-6	11PH-TU011-R1-A-6	0.26	1.080	4.102
—	11PH-TU042X-L1-E-6	—	1.080	—
11PH-TU011-R1-B-6	11PH-TU011-R1-B-6	0.22	1.100	4.972
11PH-TU011-R1-C-6	—	0.18	—	—
11PH-TU011-R1-D-6	11PH-TU011X-R1-D-6	0.22	0.561	2.581
11PH-TU011-R1-E-6	—	0.17	—	—
11PH-TU011-R1-F-6	11PH-TU011-R1-F-6	0.21	0.606	2.901
11PH-TU011-R1-G-6	11PH-TU011-R1-G-6	0.24	0.566	2.377
11PH-SS012-A0-6	—	1.48	—	—
11PH-SS012-B0-6	—	0.14	—	—
11PH-SS012-C0-6	—	0.75	—	—
11PH-SS012-D0-6	—	0.64	—	—
11PH-SS012-E0-6	11PH-SS012-E0-6	0.26	1.010	3.863
11PH-SS012-F0-6	11PH-SS012-F0-6	0.32	1.080	3.327
11PH-SS012-G0-6	11PH-SS012-G0-6	0.56	1.140	2.051
11PH-TU012-L1-A-6	—	0.73	—	—
11PH-TU012-L1-B-6	11PH-TU012-L1-B-6	0.22	0.725	3.236
11PH-TU012-L1-B-6-Dup	—	0.17	—	—
11PH-TU012-L1-C-6	11PH-TU012-L1-C-6	0.35	1.390	3.923
11PH-TU012-L1-D-6	—	1.41	—	—
11PH-TU012-L1-E-6	11PH-TU012-L1-E-6	0.39	1.640	4.220
11PH-TU012-L1-F-6	11PH-TU012-L1-F-6	0.29	1.130	3.890
11PH-TU012-L1-G-6	11PH-TU012-L1-G-6	0.45	1.660	3.663
11PH-TU012-R1-A-6	11PH-TU012-R1-A-6	0.22	0.476	2.149
11PH-TU012-R1-B-6	11PH-TU012-R1-B-6	0.24	0.522	2.204
11PH-TU012-R1-C-6	11PH-TU012-R1-C-6	0.22	0.540	2.423
11PH-TU012-R1-D-6	11PH-TU012-R1-D-6	0.26	0.767	2.940
11PH-TU012-R1-E-6	11PH-TU012-R1-E-6	0.28	0.732	2.630
11PH-TU012-R1-F-6	11PH-TU012-R1-F-6	0.32	0.798	2.493
11PH-TU012-R1-G-6	11PH-TU012-R1-G-6	0.26	0.646	2.500
11PH-SS013-A0-6	11PH-SS013-A0-6	0.50	1.200	2.418
11PH-SS013-B0-6	11PH-SS013-B0-6	0.51	1.240	2.424
11PH-SS013-C0-6	—	0.93	—	—
11PH-SS013-D0-6	11PH-SS013-D0-6	0.50	1.470	2.963
11PH-SS013-E0-6	—	0.62	—	—
11PH-SS013-F0-6	—	1.05	—	—
11PH-SS013-G0-6	—	0.78	—	—
11PH-TU013-L1-A-6	11PH-TU013-L1-A-6	0.30	1.210	4.009
11PH-TU013-L1-B-6	11PH-TU013-L1-B-6	0.32	2.070	6.514
11PH-TU013-L1-C-6	11PH-TU013-L1-C-6	0.33	1.150	3.472
11PH-TU013-L1-D-6	11PH-TU013-L1-D-6	0.49	1.420	2.872
11PH-TU013-L1-E-6	11PH-TU013-L1-E-6	0.55	2.420	4.367
11PH-TU013-L1-F-6	11PH-TU013-L1-F-6	0.56	4.230	7.542
11PH-TU013-L1-G-6	—	1.02	—	—
11PH-TU013-R1-A-6	11PH-TU013-R1-A-6	0.29	1.100	3.758
11PH-TU013-R1-B-6	11PH-TU013-R1-B-6	0.20	1.160	5.910
11PH-TU013-R1-C-6	11PH-TU013X-R1-C-6	0.27	1.590	5.908
11PH-TU011-L2-D-6	—	0.67	—	—
11PH-TU011-L4-D-6	—	0.14	—	—
11PH-TU012-L2-D-6	—	0.87	—	—
11PH-TU012-L4-D-6	11PH-TU012-L4-D-6	0.58	1.570	2.693
11PH-TU013-L2-D-6	11PH-TU013-L2-D-6	0.32	1.050	3.249
11PH-TU014-L2-D-6	11PH-TU014-L2-D-6	0.24	0.798	3.381

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU015-L2-D-6	—	0.19	—	—
11PH-TU016-L2-D-6	—	0.79	—	—
11PH-TU016-L4-D-6	—	0.32	—	—
11PH-TU021-L2-A-6	11PH-TU021-L2-A-6	0.36	1.020	2.860
11PH-TU021-L2-F-6	11PH-TU021-L2-F-6	0.37	0.926	2.492
—	11PH-TU086-L1-G-6	—	0.928	—
11PH-TU021-L2-G-6	—	0.66	—	—
11PH-TU022-L2-A-6	11PH-TU022-L2-A-6	0.48	1.030	2.155
11PH-TU022-L3-B-6	11PH-TU022-L3-B-6	0.49	0.973	1.981
11PH-TU023-L2-A-6	11PH-TU023-L2-A-6	0.45	0.772	1.697
—	11PH-SS088X-R-12	—	0.976	—
—	11PH-TU016-L4-C-6	—	0.976	—
11PH-TU023-L2-B-6	—	1.07	—	—
11PH-TU023-L3-C-6	11PH-TU023-L3-C-6	0.25	0.575	2.265
11PH-TU023-L3-E-6	11PH-TU023-L3-E-6	0.36	0.812	2.254
11PH-TU023-L3-F-6	11PH-TU023-L3-F-6	0.22	0.466	2.110
—	11PH-GP079X-C-0-2	—	0.471	—
11PH-TU023-L3-F-6-Dup	—	0.21	—	—
11PH-TU023-L3-G-6	11PH-TU023-L3-G-6	0.25	0.527	2.109
11PH-TU013-R1-D-6	11PH-TU013-R1-D-6	0.56	1.450	2.584
11PH-TU013-R1-E-6	11PH-TU013-R1-E-6	0.51	1.610	3.181
11PH-TU013-R1-F-6	11PH-TU013-R1-F-6	0.43	1.220	2.830
11PH-TU013-R1-G-6	11PH-TU013-R1-G-6	0.20	0.706	3.610
11PH-SS014-A0-6	—	1.14	—	—
11PH-SS014-B0-6	—	0.71	—	—
11PH-SS014-C0-6	—	0.69	—	—
11PH-SS014-D0-6	—	1.03	—	—
11PH-SS014-E0-6	—	1.12	—	—
11PH-SS014-F0-6	—	2.23	—	—
11PH-SS014-G0-6	—	2.14	—	—
11PH-TU014-L1-A-6	—	0.99	—	—
11PH-TU014-L1-B-6	11PH-TU014-L1-B-6	0.46	1.450	3.142
11PH-TU014-L1-C-6	11PH-TU014-L1-C-6	0.54	1.630	3.039
11PH-TU014-L1-D-6	11PH-TU014-L1-D-6	0.54	1.780	3.309
11PH-TU014-L1-E-6	—	0.68	—	—
11PH-TU014-L1-F-6	—	0.69	—	—
11PH-TU014-L1-G-6	11PH-TU014-L1-G-6	0.58	1.650	2.858
11PH-TU014-R1-A-6	—	0.14	—	—
11PH-TU014-R1-B-6	—	0.16	—	—
11PH-TU031-L2-F-6	11PH-TU031-L2-F-6	0.25	0.464	1.843
11PH-TU031-L2-G-6	11PH-TU031-L2-G-6	0.29	0.708	2.461
11PH-TU032-L2-A-6	—	0.10	—	—
11PH-TU024-L3-D-6	11PH-TU024-L3-D-6	0.24	0.788	3.235
11PH-TU025-L3-B-6	11PH-TU025-L3-B-6	0.27	0.767	2.887
11PH-TU025-L3-D-6	—	0.11	—	—
11PH-TU026-L3-A-6	11PH-TU026-L3-A-6	0.53	1.170	2.223
11PH-TU026-L3-B-6	—	0.69	—	—
11PH-TU026-L3-D-6	—	0.98	—	—
11PH-TU026-L3-F-6	11PH-TU026-L3-F-6	0.48	1.540	3.201
11PH-TU026-L3-G-6	11PH-TU026-L3-G-6	0.30	1.010	3.393
11PH-TU026-L4-D-6	11PH-TU026-L4-D-6	0.45	1.190	2.629
11PH-TU027-L3-A-6	—	0.76	—	—
11PH-TU027-L3-B-6	11PH-TU027-L3-B-6	0.55	1.950	3.573
11PH-TU027-L3-C-6	11PH-TU027-L3-C-6	0.51	1.420	2.787
11PH-TU027-L3-D-6	11PH-TU027-L3-D-6	0.49	1.420	2.880
11PH-TU027-L3-E-6	11PH-TU027-L3-E-6	0.43	1.260	2.912
11PH-TU027-L4-D-6	11PH-TU027-L4-D-6	0.40	1.360	3.373
11PH-TU028-L3-A-6	11PH-TU028-L3-A-6	0.48	1.430	2.969
11PH-TU028-L3-B-6	—	0.64	—	—
11PH-TU028-L3-B-6-Dup	—	0.65	—	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU028-L3-C-6	11PH-TU028X-L3-C-6	0.54	1.780	3.285
11PH-TU028-L3-D-6	11PH-TU028-L3-D-6	0.35	0.920	2.628
11PH-TU028-L3-E-6	–	0.61	–	–
11PH-TU028-L3-F-6	11PH-TU028-L3-F-6	0.22	0.639	2.841
11PH-TU029-L3-A-6	11PH-TU029-L3-A-6	0.41	1.740	4.233
11PH-TU029-L3-B-6	11PH-TU029-L3-B-6	0.54	1.210	2.226
–	11PH-TU014X-L2-C-6	–	1.210	–
11PH-TU029-L3-C-6	11PH-TU029-L3-C-6	0.52	1.250	2.389
11PH-TU029-L3-D-6	11PH-TU029-L3-D-6	0.49	1.180	2.418
11PH-TU029-L4-D-6	11PH-TU029-L4-D-6	0.36	0.618	1.734
11PH-TU032-L4-D-6	11PH-TU032-L4-D-6	0.25	0.534	2.115
11PH-TU034-L2-C-6	11PH-TU034-L2-C-6	0.59	0.776	1.313
11PH-TU037-L3-F-6	11PH-TU037-L3-F-6	0.32	0.832	2.606
11PH-TU037-L3-G-6	11PH-TU037-L3-G-6	0.36	0.961	2.698
11PH-TU038-L2-C-6	11PH-TU038-L2-C-6	0.58	1.430	2.450
11PH-TU038-L3-D-6	11PH-TU038-L3-D-6	0.38	1.460	3.850
11PH-TU038-L3-E-6	11PH-TU038-L3-E-6	0.93	2.730	2.940
–	11PH-SS022X-R-12	–	2.730	–
11PH-TU038-L3-F-6	–	0.91	–	–
11PH-TU038-L3-G-6	–	1.64	–	–
11PH-TU038-L4-D-6	11PH-TU038-L4-D-6	0.36	1.420	3.891
11PH-TU004-L-125-12	–	ND [0.143]	–	–
11PH-TU004-L-150-6	11PH-TU004-L-150-6	0.36	0.779	2.189
11PH-TU037-L-125-12	–	0.03	–	–
11PH-TU037-L-150-6	–	0.17	–	–
11PH-TU038-L-125-12	–	ND [0.160]	–	–
11PH-TU038-L-125-12-Dup	–	ND [0.150]	–	–
11PH-TU038-L-150-6	–	0.06	–	–
11PH-TU090-L-125-12	–	ND [0.135]	–	–
11PH-TU090-L-150-6	–	0.96	–	–
11PH-TU029-L2-G-6	11PH-TU029-L2-G-6	0.43	1.220	2.810
11PH-TU030-L2-A-6	–	1.23	–	–
11PH-TU030-L2-B-6	–	0.63	–	–
11PH-TU030-L2-C-6	–	1.10	–	–
11PH-TU030-L2-D-6	11PH-TU030-L2-D-6	0.28	1.130	4.013
11PH-TU030-L2-E-6	11PH-TU030-L2-E-6	0.22	1.150	5.157
11PH-TU031-L2-A-6	11PH-TU031-L2-A-6	0.39	3.860	9.899
11PH-TU031-L2-B-6	11PH-TU031X-L2-B-6	0.30	1.100	3.611
11PH-TU014-R1-C-6	–	0.09	–	–
11PH-TU014-R1-D-6	–	0.13	–	–
11PH-TU014-R1-E-6	–	0.07	–	–
11PH-TU014-R1-F-6	–	0.09	–	–
11PH-TU014-R1-G-6	–	0.07	–	–
11PH-TU021-R1-A-6	11PH-TU021-R1-A-6	0.36	1.740	4.804
11PH-TU021-R1-B-6	11PH-TU021-R1-B-6	0.32	1.950	6.033
11PH-TU021-R1-C-6	11PH-TU021-R1-C-6	0.41	2.410	5.947
11PH-TU021-R1-D-6	11PH-TU021-R1-D-6	0.33	1.560	4.741
11PH-TU021-R1-E-6	11PH-TU021-R1-E-6	0.35	1.560	4.420
11PH-TU021-R1-F-6	11PH-TU021-R1-F-6	0.26	1.730	6.571
–	11PH-TU042-L2-D-6	–	1.730	–
11PH-TU021-R1-G-6	11PH-TU021-R1-G-6	0.22	1.940	8.877
11PH-TU020-R1-A-6	–	0.16	–	–
11PH-TU020-R1-B-6	11PH-TU020-R1-B-6	0.22	1.170	5.405
11PH-TU020-R1-C-6	–	0.15	–	–
11PH-TU020-R1-D-6	–	0.17	–	–
11PH-TU020-R1-E-6	–	0.12	–	–
11PH-TU020-R1-F-6	11PH-TU020-R1-F-6	0.28	1.270	4.611
11PH-TU020-R1-G-6	–	0.16	–	–
11PH-TU019-R1-A-6	–	0.10	–	–
11PH-TU019-R1-B-6	–	0.11	–	–

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU019-R1-C-6	–	0.10	–	–
11PH-TU019-R1-D-6	–	0.09	–	–
11PH-TU011-L2-A-6	–	ND [0.141]	–	–
11PH-TU011-L2-B-6	11PH-TU011-L2-B-6	0.43	5.010	11.771
–	11PH-SS003X-R-6	–	5.040	–
11PH-TU011-L2-C-6	–	0.03	–	–
11PH-TU011-L2-E-6	11PH-TU011-L2-E-6	0.26	2.480	9.482
11PH-TU011-L2-F-6	–	0.01	–	–
11PH-TU011-L2-G-6	–	0.01	–	–
11PH-TU015-L4-D-6	–	0.11	–	–
11PH-TU017-R2-D-6	–	0.01	–	–
11PH-TU024-L3-A-6	–	1.43	–	–
11PH-TU024-L3-C-6	–	0.64	–	–
11PH-TU024-L3-E-6	–	1.87	–	–
11PH-TU024-L3-F-6	–	1.12	–	–
11PH-TU024-L3-G-6	–	1.29	–	–
11PH-TU025-L3-A-6	11PH-TU025-L3-A-6	0.37	1.630	4.458
11PH-TU033-L3-A-6	11PH-TU033-L3-A-6	0.27	0.676	2.534
–	11PH-GP088X-R-10-12	–	0.680	–
11PH-TU033-L3-B-6	11PH-TU033-L3-B-6	0.42	0.745	1.760
11PH-TU033-L3-C-6	11PH-TU033-L3-C-6	0.42	0.095	0.225
–	11PH-TU034-L2-D-6	–	0.680	–
11PH-TU033-L3-E-6	–	0.09	–	–
11PH-TU033-L3-F-6	–	0.12	–	–
11PH-TU034-L3-A-6	–	0.07	–	–
11PH-TU034-L3-B-6	–	0.13	–	–
11PH-TU036-L2-A-6	–	0.08	–	–
11PH-TU036-L2-C-6	11PH-TU036-L2-C-6	0.43	5.580	12.837
11PH-TU037-L4-D-6	11PH-TU037-L4-D-6	0.39	ND [0.059]	–
11PH-TU039-L2-D-6	11PH-TU039-L2-D-6	0.44	8.050	18.288
11PH-TU039-L4-D-6	11PH-TU039-L4-D-6	0.54	5.510	10.169
11PH-TU040-L2-D-6	11PH-TU040-L2-D-6	0.40	1.880	4.714
11PH-TU041-L2-D-6	11PH-TU041-L2-D-6	0.24	1.370	5.805
–	11PH-TU029X-R1-C-6	–	1.370	–
11PH-TU042-L2-D-6	11PH-TU042X-L2-D-6	0.30	1.770	5.898
–	11PH-SS010-C5-6	–	1.770	–
11PH-TU042-L2-D-6-Dup	–	0.17	–	–
11PH-TU019-R1-E-6	11PH-TU019-R1-E-6	0.24	0.461	1.941
11PH-TU019-R1-F-6	–	0.18	–	–
11PH-TU019-R1-G-6	–	0.16	–	–
11PH-TU018-R1-A-6	–	0.12	–	–
11PH-TU018-R1-B-6	11PH-TU018-R1-B-6	0.27	2.090	7.866
11PH-TU018-R1-C-6	–	0.14	–	–
11PH-TU018-R1-D-6	–	0.14	–	–
11PH-TU018-R1-E-6	–	0.15	–	–
11PH-TU018-R1-F-6	–	0.10	–	–
11PH-TU018-R1-G-6	–	0.12	–	–
11PH-TU013-R2-D-6	–	0.07	–	–
11PH-TU030-R2-D-6	11PH-TU030-R2-D-6	0.37	0.802	2.193
11PH-TU032-R2-B-6	–	0.07	–	–
11PH-TU033-R2-D-6	–	0.92	–	–
11PH-TU033-R2-F-6	–	1.15	–	–
11PH-TU033-R2-G-6	–	0.96	–	–
11PH-TU034-R2-A-6	–	1.03	–	–
11PH-TU034-R2-B-6	–	0.82	–	–
11PH-TU034-R2-C-6	11PH-TU034-R2-C-6	0.35	1.780	5.022
11PH-TU034-R2-D-6	–	0.12	–	–
11PH-TU034-R2-F-6	11PH-TU034-R2-F-6	0.31	0.971	3.144
11PH-TU035-R2-D-6	11PH-TU035-R2-D-6	0.51	2.230	4.364
11PH-TU036-R2-B-6	11PH-TU036-R2-B-6	0.38	2.740	7.204

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU036-R2-D-6	11PH-TU036-R2-D-6	0.30	2.080	7.006
11PH-TU037-R2-A-6	11PH-TU037-R2-A-6	0.40	1.250	3.129
11PH-TU037-R2-B-6	11PH-TU037-R2-B-6	0.44	1.470	3.374
11PH-TU037-R2-D-6	11PH-TU037-R2-D-6	0.26	1.000	3.850
–	11PH-TU012X-L1-F-6	–	1.000	–
11PH-TU017-R1-A-6	–	0.12	–	–
–	11PH-TU022-L3-D-6	–	1.000	–
11PH-TU017-R1-B-6	–	0.15	–	–
11PH-TU017-R1-C-6	–	0.19	–	–
11PH-TU017-R1-D-6	–	0.08	–	–
11PH-TU017-R1-E-6	11PH-TU017-R1-E-6	0.38	1.290	3.425
11PH-TU017-R1-F-6	11PH-TU017-R1-F-6	0.20	1.050	5.210
11PH-TU017-R1-G-6	11PH-TU017-R1-G-6	0.52	2.000	3.827
11PH-SS039-A5-6	–	0.59	–	–
11PH-SS039-A5-6-Dup	–	0.58	–	–
11PH-SS039-B5-6	–	0.85	–	–
11PH-SS039-C5-6	–	1.10	–	–
11PH-SS039-D5-6	–	1.39	–	–
11PH-SS039-E5-6	–	0.60	–	–
11PH-SS039-F5-6	–	1.10	–	–
11PH-SS039-G5-6	–	1.81	–	–
11PH-TU039-R1-A-6	–	0.15	–	–
11PH-TU039-R1-B-6	11PH-TU039-R1-B-6	0.23	1.760	7.637
11PH-TU039-R1-C-6	11PH-TU039-R1-C-6	0.20	1.030	5.097
–	11PH-TU036-R2-D-6	–	1.760	–
11PH-TU039-R1-D-6	–	0.15	–	–
11PH-TU039-R1-E-6	11PH-TU039-R1-E-6	0.21	1.300	6.151
11PH-TU039-R1-F-6	–	0.10	–	–
11PH-TU039-R1-G-6	–	0.11	–	–
11PH-SS040-A5-6	–	0.68	–	–
11PH-SS040-B5-6	–	0.91	–	–
11PH-SS040-C5-6	–	0.14	–	–
11PH-SS040-D5-6	11PH-SS040-D5-6	0.21	1.120	5.352
11PH-SS040-E5-6	–	0.11	–	–
11PH-SS040-F5-6	11PH-SS040-F5-6	0.09	0.559	5.896
11PH-SS040-G5-6	11PH-SS040-G5-6	0.06	0.688	10.863
–	11PH-SS025-D5-6	–	0.693	–
11PH-TU040-R1-A-6	–	0.07	–	–
11PH-TU040-R1-B-6	–	0.07	–	–
11PH-TU040-R1-C-6	–	0.07	–	–
11PH-TU040-R1-D-6	–	0.03	–	–
11PH-TU040-R1-E-6	–	0.01	–	–
11PH-TU040-R1-F-6	–	0.02	–	–
11PH-TU040-R1-G-6	–	0.01	–	–
11PH-SS041-A5-6	11PH-SS041-A5-6	0.27	1.440	5.334
11PH-SS041-B5-6	–	0.06	–	–
11PH-SS041-C5-6	–	0.11	–	–
11PH-SS041-D5-6	11PH-SS041-D5-6	0.30	1.280	4.295
11PH-SS041-E5-6	–	0.17	–	–
11PH-SS041-E5-6-Dup	–	0.17	–	–
11PH-SS041-F5-6	11PH-SS041-F5-6	0.20	1.130	5.536
11PH-SS041-G5-6	11PH-SS041-G5-6	0.20	1.290	6.527
11PH-TU041-R1-A-6	–	0.01	–	–
11PH-TU041-R1-B-6	–	0.01	–	–
11PH-TU041-R1-C-6	–	0.01	–	–
11PH-TU041-R1-D-6	–	0.03	–	–
11PH-TU041-R1-E-6	–	0.03	–	–
11PH-TU041-R1-F-6	–	0.02	–	–
11PH-TU041-R1-G-6	–	0.04	–	–
11PH-TU039-L1-A-6	–	3.08	–	–

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU039-L1-B-6	—	1.54	—	—
11PH-TU039-L1-C-6	—	1.25	—	—
11PH-TU039-L1-D-6	—	0.85	—	—
11PH-TU039-L1-E-6	—	1.41	—	—
11PH-TU039-L1-F-6	—	0.96	—	—
11PH-TU039-L1-G-6	—	0.69	—	—
11PH-SS039-E0-6	—	1.55	—	—
11PH-SS039-F0-6	—	1.56	—	—
11PH-SS039-G0-6	—	1.34	—	—
11PH-SS041-A0-6	—	1.03	—	—
11PH-SS041-B0-6	—	1.41	—	—
11PH-TU004-L-150-12	—	ND [0.144]	—	—
11PH-TU004-L-175-6	11PH-TU004-L-175-6	0.25	0.365	1.450
11PH-TU090-L-150-12	—	ND [0.200]	—	—
11PH-TU090-L-175-6	—	2.59	—	—
11PH-SS041-C0-6	—	1.51	—	—
11PH-SS041-D0-6	—	1.27	—	—
11PH-SS041-E0-6	—	0.88	—	—
11PH-SS041-F0-6	—	1.11	—	—
11PH-SS041-G0-6	—	1.03	—	—
11PH-TU040-L1-A-6	—	0.82	—	—
11PH-TU040-L1-B-6	—	0.63	—	—
11PH-TU040-L1-C-6	—	0.67	—	—
11PH-TU040-L1-D-6	—	1.28	—	—
11PH-TU040-L1-E-6	—	1.86	—	—
11PH-TU040-L1-F-6	—	1.80	—	—
11PH-TU040-L1-G-6	—	1.02	—	—
11PH-TU041-L1-A-6	—	1.09	—	—
11PH-TU041-L1-B-6	—	1.18	—	—
11PH-TU041-L1-C-6	—	1.44	—	—
11PH-TU041-L1-D-6	11PH-TU041-L1-D-6	0.39	1.370	3.532
11PH-TU041-L1-E-6	—	0.87	—	—
11PH-TU041-L1-F-6	—	1.01	—	—
11PH-TU041-L1-G-6	—	1.00	—	—
11PH-SS040-A0-6	—	1.10	—	—
11PH-SS040-B0-6	—	1.07	—	—
11PH-SS040-C0-6	—	1.91	—	—
11PH-SS040-D0-6	—	1.77	—	—
11PH-SS040-E0-6	—	2.50	—	—
11PH-SS040-F0-6	—	1.59	—	—
11PH-SS040-G0-6	—	1.45	—	—
11PH-TU037-L2-E-6	11PH-TU037-L2-E-6	0.53	1.150	2.177
11PH-TU038-L3-A-6	11PH-TU038-L3-A-6	0.51	1.140	2.216
11PH-TU038-L4-E-6	11PH-TU038-L4-E-6	0.54	1.310	2.447
—	11PH-TU013-R1-C-6	—	1.310	—
11PH-TU038-L4-F-6	—	0.90	—	—
11PH-TU038-L4-G-6	—	2.14	—	—
11PH-TU033-L3-D-6	—	0.06	—	—
11PH-TU025-L2-E-6	—	0.79	—	—
11PH-TU025-L2-E-6-Dup	—	0.53	—	—
11PH-TU026-L3-C-6	—	0.83	—	—
11PH-TU026-L3-E-6	11PH-TU026-L3-E-6	0.20	0.632	3.163
11PH-TU027-L3-G-6	—	0.17	—	—
11PH-TU027-L4-A-6	11PH-TU027-L4-A-6	0.21	0.709	3.325
11PH-SS042-A0-6	—	0.68	—	—
11PH-SS042-B0-6	—	0.81	—	—
11PH-SS042-C0-6	—	0.95	—	—
11PH-SS042-D0-6	—	0.62	—	—
11PH-SS042-E0-6	—	0.60	—	—
11PH-SS042-F0-6	11PH-SS042-F0-6	0.24	0.709	2.905

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SS042-G0-6	11PH-SS042-G0-6	0.22	0.502	2.236
11PH-TU042-L1-A-6	–	1.00	–	–
11PH-TU042-L1-B-6	–	1.38	–	–
11PH-TU042-L1-C-6	–	0.35	–	–
11PH-TU042-L1-C-6-Dup	11PH-TU042-L1-C-6	0.39	1.690	4.323
11PH-TU042-L1-D-6	–	0.76	–	–
11PH-TU042-L1-E-6	11PH-TU042-L1-E-6	0.48	1.110	2.315
11PH-TU042-L1-F-6	11PH-TU042-L1-F-6	0.44	0.896	2.044
11PH-TU042-L1-G-6	11PH-TU042-L1-G-6	0.33	0.601	1.833
11PH-SS042-A5-6	–	0.08	–	–
11PH-SS042-B5-6	–	0.04	–	–
11PH-SS042-C5-6	–	0.15	–	–
11PH-SS042-D5-6	–	0.11	–	–
11PH-SS042-E5-6	–	0.15	–	–
11PH-SS042-F5-6	11PH-SS042-F5-6	0.21	0.850	4.103
11PH-SS042-G5-6	–	0.12	–	–
11PH-TU042-R1-A-6	–	0.02	–	–
11PH-TU042-R1-B-6	–	ND [0.157]	–	–
11PH-TU042-R1-C-6	–	0.02	–	–
11PH-TU042-R1-D-6	–	0.11	–	–
11PH-TU042-R1-E-6	–	0.01	–	–
11PH-TU042-R1-F-6	–	0.03	–	–
11PH-TU042-R1-G-6	–	0.05	–	–
11PH-SS015-A0-6	–	1.69	–	–
11PH-SS015-B0-6	–	0.91	–	–
11PH-SS015-C0-6	11PH-SS015-C0-6	0.58	1.830	3.180
11PH-SS015-D0-6	11PH-SS015-D0-6	0.46	1.720	3.734
11PH-SS015-E0-6	–	1.10	–	–
11PH-SS015-F0-6	–	1.02	–	–
11PH-SS015-G0-6	–	0.97	–	–
11PH-TU015-L1-A-6	–	0.70	–	–
11PH-TU015-L1-B-6	–	0.18	–	–
11PH-TU004-L-175-12	–	ND [0.129]	–	–
11PH-TU004-L-200-6	–	0.03	–	–
11PH-TU090-L-175-12	–	0.05	–	–
11PH-TU090-L-200-6	11PH-TU090-L-200-6	0.58	1.940	3.338
11PH-TU086-R4-D-6	11PH-TU086-R4-D-6	0.38	0.359	0.954
–	11PH-TU032X-L-75-6	–	0.360	–
11PH-TU088-L2-D-6	11PH-TU088-L2-D-6	0.23	0.760	3.256
11PH-TU088-L4-D-6	11PH-TU088-L4-D-6	0.43	1.300	2.991
11PH-TU088-R2-D-6	–	2.45	–	–
11PH-TU089-R2-D-6	–	0.18	–	–
11PH-TU090-R2-D-6	–	0.16	–	–
11PH-TU090-L2-D-6	–	1.00	–	–
11PH-TU011-L3-D-6	–	0.15	–	–
11PH-TU012-L2-A-6	–	1.77	–	–
11PH-TU012-L2-C-6	–	1.08	–	–
11PH-TU012-L2-E-6	–	2.27	–	–
11PH-TU012-L3-D-6	–	0.99	–	–
11PH-TU013-L2-G-6	–	1.02	–	–
11PH-TU024-L3-B-6	–	0.13	–	–
11PH-TU024-L4-A-6	11PH-TU024-L4-A-6	0.21	0.383	1.846
11PH-TU024-L4-C-6	–	0.05	–	–
11PH-TU024-L4-E-6	–	0.14	–	–
11PH-TU024-L4-F-6	–	0.11	–	–
11PH-TU024-L4-G-6	–	0.11	–	–
11PH-TU014-L2-A-6	–	0.80	–	–
11PH-TU014-L2-E-6	–	0.17	–	–
11PH-TU014-L2-F-6	–	0.13	–	–
11PH-TU023-L3-B-6	11PH-TU023-L3-B-6	0.22	0.426	1.952

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU028-L4-B-6	–	0.15	–	–
11PH-TU028-L4-B-6-Dup	–	0.17	–	–
11PH-TU028-L4-E-6	–	0.18	–	–
11PH-TU028-R2-D-6	–	0.79	–	–
11PH-TU026-L4-B-6	11PH-TU026-L4-B-6	0.28	0.317	1.130
11PH-TU026-R2-C-6	–	0.82	–	–
11PH-TU026-R3-D-6	–	0.18	–	–
11PH-TU026-R2-E-6	–	0.94	–	–
11PH-TU029-R2-D-6	–	0.78	–	–
11PH-TU030-L3-A-6	–	0.66	–	–
11PH-TU030-L3-B-6	11PH-TU030-L3-B-6	0.27	0.202	0.756
11PH-TU030-L3-C-6	11PH-TU030-L3-C-6	0.20	0.487	2.386
11PH-TU016-L1-F-6	–	1.18	–	–
11PH-TU016-L1-G-6	11PH-TU016-L1-G-6	0.80	2.370	2.958
11PH-SS016-A0-6	–	1.37	–	–
11PH-SS016-B0-6	–	0.88	–	–
11PH-SS016-C0-6	11PH-SS016-C0-6	0.55	2.430	4.451
11PH-SS016-D0-6	–	2.26	–	–
11PH-TU015-L1-C-6	–	0.10	–	–
11PH-TU015-L1-D-6	–	0.08	–	–
11PH-TU015-L1-E-6	11PH-TU015-L1-E-6	0.25	0.997	4.048
11PH-TU015-L1-F-6	11PH-TU015-L1-F-6	0.44	1.160	2.613
11PH-TU015-L1-G-6	–	0.87	–	–
11PH-TU015-R1-A-6	–	0.09	–	–
11PH-TU015-R1-B-6	–	0.10	–	–
11PH-TU015-R1-C-6	–	0.16	–	–
11PH-TU015-R1-D-6	–	0.05	–	–
11PH-TU015-R1-E-6	–	0.13	–	–
11PH-TU015-R1-F-6	–	0.18	–	–
11PH-TU015-R1-G-6	–	0.16	–	–
11PH-SS090-A5-6	11PH-SS090-A5-6	0.52	0.958	1.835
11PH-SS090-B5-6	–	0.18	–	–
11PH-SS090-C5-6	11PH-SS090-C5-6	0.57	1.340	2.341
11PH-SS090-D5-6	11PH-SS090-D5-6	0.37	1.040	2.834
11PH-SS090-E5-6	–	0.89	–	–
11PH-SS090-F5-6	11PH-SS090-F5-6	0.47	0.817	1.756
–	11PH-TU032X-R1-G-6	–	0.819	–
11PH-SS090-F5-6-Dup	–	0.38	–	–
11PH-SS090-G5-6	11PH-SS090-G5-6	0.36	1.020	2.799
11PH-SS089-A5-6	11PH-SS089-A5-6	0.24	0.525	2.166
11PH-SS089-B5-6	–	0.19	–	–
11PH-SS089-C5-6	–	0.02	–	–
11PH-SS089-D5-6	11PH-SS089-D5-6	0.19	0.388	2.041
11PH-SS089-E5-6	11PH-SS089-E5-6	0.27	0.609	2.248
11PH-SS089-F5-6	11PH-SS089-F5-6	0.46	0.698	1.514
11PH-SS089-G5-6	11PH-SS089-G5-6	0.28	0.495	1.787
11PH-TU089-R1-A-6	–	0.97	–	–
11PH-TU089-R1-B-6	11PH-TU089-R1-B-6	0.48	0.602	1.258
11PH-TU089-R1-C-6	–	0.06	–	–
11PH-TU089-R1-D-6	11PH-TU089-R1-D-6	0.36	0.961	2.640
–	11PH-TU031-L2-B-6	–	0.963	–
11PH-TU089-R1-E-6	11PH-TU089-R1-E-6	0.42	1.110	2.620
–	11PH-TU017X-L4-E-6	–	1.110	–
11PH-TU089-R1-F-6	–	0.80	–	–
11PH-TU089-R1-G-6	–	0.64	–	–
11PH-TU016-L1-A-6	11PH-TU016-L1-A-6	0.44	1.560	3.520
11PH-TU016-L1-B-6	11PH-TU016-L1-B-6	0.56	2.110	3.751
11PH-TU016-L1-C-6	11PH-TU016-L1-C-6	0.44	1.730	3.912
11PH-TU016-L1-D-6	11PH-TU016-L1-D-6	0.49	1.470	2.977
11PH-TU016-L1-E-6	11PH-TU016-L1-E-6	0.34	1.220	3.553

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU021-L3-G-6	—	0.17	—	—
11PH-TU030-L3-A-6	—	0.24	—	—
11PH-TU030-L3-B-6	11PH-TU030-L3-B-6	0.11	0.202	1.817
11PH-TU030-L3-C-6	11PH-TU030-L3-C-6	0.13	0.487	3.857
11PH-SS016-E0-6	—	1.32	—	—
11PH-SS016-F0-6	—	1.86	—	—
11PH-SS016-G0-6	—	2.05	—	—
11PH-TU016-R1-A-6	—	0.16	—	—
11PH-TU016-R1-B-6	—	0.16	—	—
11PH-TU016-R1-C-6	—	0.11	—	—
11PH-TU016-R1-D-6	—	0.16	—	—
11PH-TU016-R1-E-6	—	0.15	—	—
11PH-TU016-R1-F-6	11PH-TU016-R1-F-6	0.22	1.410	6.324
—	11PH-TU026-R1-C-6	—	1.410	—
11PH-TU016-R1-G-6	11PH-TU016-R1-G-6	0.26	2.040	7.752
11PH-TU088-R1-A-6	—	0.93	—	—
11PH-TU088-R1-B-6	11PH-TU088-R1-B-6	0.39	0.643	1.641
11PH-TU088-R1-C-6	—	1.21	—	—
11PH-TU088-R1-D-6	—	0.88	—	—
11PH-TU088-R1-E-6	—	0.71	—	—
11PH-TU088-R1-E-6-Dup	—	1.10	—	—
11PH-TU088-R1-F-6	—	1.48	—	—
11PH-TU088-R1-G-6	—	1.19	—	—
11PH-SS088-A5-6	—	1.76	—	—
11PH-SS088-B5-6	—	1.13	—	—
11PH-SS088-C5-6	11PH-SS088-C5-6	0.57	0.990	1.739
11PH-SS088-D5-6	—	0.64	—	—
11PH-SS088-E5-6	—	0.21	—	—
11PH-SS088-F5-6	—	0.26	—	—
11PH-SS088-G5-6	—	0.29	—	—
11PH-SS087-A5-6	11PH-SS087-A5-6	0.24	0.484	1.981
11PH-SS087-B5-6	11PH-SS087-B5-6	0.32	0.575	1.800
11PH-SS087-C5-6	11PH-SS087-C5-6	0.48	0.767	1.600
11PH-SS087-D5-6	—	0.01	—	—
11PH-SS087-E5-6	—	0.02	—	—
11PH-SS087-F5-6	—	0.06	—	—
11PH-SS087-G5-6	—	1.02	—	—
11PH-TU087-R1-A-6	—	0.17	—	—
11PH-TU087-R1-B-6	—	0.11	—	—
11PH-TU087-R1-C-6	11PH-TU087-R1-C-6	0.42	0.587	1.384
11PH-TU087-R1-D-6	11PH-TU087-R1-D-6	0.56	0.751	1.349
11PH-TU087-R1-E-6	—	1.32	—	—
11PH-TU087-R1-F-6	11PH-TU087-R1-F-6	0.23	0.389	1.728
11PH-TU087-R1-G-6	—	1.27	—	—
11PH-SS086-A5-6	—	0.02	—	—
11PH-SS086-B5-6	—	0.05	—	—
11PH-SS086-C5-6	—	0.05	—	—
11PH-SS086-D5-6	—	0.07	—	—
11PH-SS086-E5-6	—	0.15	—	—
11PH-SS086-F5-6	—	0.17	—	—
11PH-SS086-G5-6	—	0.17	—	—
11PH-TU086-R1-A-6	—	0.19	—	—
11PH-TU086-R1-B-6	—	0.12	—	—
11PH-TU086-R1-C-6	—	0.13	—	—
11PH-TU086-R1-D-6	—	0.12	—	—
11PH-TU086-R1-E-6	—	0.14	—	—
11PH-TU086-R1-E-6-Dup	—	0.14	—	—
11PH-TU086-R1-F-6	11PH-TU086-R1-F-6	0.25	0.392	1.587
11PH-TU086-R1-G-6	—	0.11	—	—
11PH-SS086-A0-6	—	0.14	—	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SS086-B0-6	—	0.14	—	—
11PH-SS086-C0-6	—	0.09	—	—
11PH-SS086-D0-6	—	0.08	—	—
11PH-SS086-E0-6	—	0.11	—	—
11PH-SS086-F0-6	—	0.09	—	—
11PH-SS086-G0-6	11PH-SS086-G0-6	0.24	0.507	2.147
11PH-TU086-L1-A-6	—	0.04	—	—
11PH-TU086-L1-B-6	—	0.05	—	—
11PH-TU086-L1-C-6	—	0.08	—	—
11PH-TU086-L1-D-6	—	0.08	—	—
11PH-TU086-L1-E-6	—	0.06	—	—
11PH-TU086-L1-F-6	—	0.04	—	—
11PH-TU086-L1-G-6	11PH-TU086X-L1-G-6	0.38	1.140	3.023
11PH-SS087-A0-6	11PH-SS087-A0-6	0.25	0.445	1.780
11PH-SS087-B0-6	11PH-SS087-B0-6	0.28	0.487	1.761
—	11PH-TU088X-L1-C-6	—	0.448	—
11PH-SS087-C0-6	11PH-SS087-C0-6	0.35	0.461	1.316
11PH-SS087-D0-6	11PH-SS087-D0-6	0.25	0.322	1.278
11PH-TU033-R2-C-6	—	0.80	—	—
11PH-TU033-R2-E-6	—	0.93	—	—
11PH-TU033-R3-D-6	11PH-TU033-R3-D-6	0.45	1.530	3.428
—	11PH-SS023X-B5-6	—	1.530	—
11PH-TU033-R3-F-6	—	0.84	—	—
11PH-TU033-R3-G-6	11PH-TU033-R3-G-6	0.26	1.550	5.897
11PH-TU038-L5-F-6	—	2.75	—	—
11PH-TU038-L5-G-6	—	1.84	—	—
11PH-TU039-L2-A-6	—	2.08	—	—
11PH-TU039-L2-B-6	—	1.84	—	—
11PH-TU039-L2-C-6	—	1.73	—	—
11PH-TU039-L2-E-6	—	0.70	—	—
11PH-TU039-L2-F-6	11PH-TU039-L2-F-6	0.59	2.410	4.117
11PH-TU039-L2-G-6	—	0.65	—	—
11PH-TU040-L2-A-6	11PH-TU040-L2-A-6	0.27	1.640	6.048
11PH-TU040-L2-B-6	—	0.16	—	—
11PH-TU040-L2-C-6	—	0.19	—	—
11PH-TU040-L2-E-6	11PH-TU040-L2-E-6	0.43	1.470	3.442
11PH-TU040-L2-F-6	—	0.66	—	—
11PH-TU040-L2-G-6	—	0.77	—	—
11PH-TU041-L2-A-6	11PH-TU041-L2-A-6	0.59	1.930	3.289
11PH-TU041-L2-A-6-Dup	—	0.57	—	—
11PH-TU041-L2-B-6	11PH-TU041-L2-B-6	0.59	1.550	2.613
11PH-TU041-L2-C-6	11PH-TU041-L2-C-6	0.31	0.896	2.923
11PH-TU041-L2-E-6	—	1.05	—	—
11PH-TU041-L2-F-6	—	1.81	—	—
11PH-TU041-L2-G-6	—	3.08	—	—
11PH-SS087-E0-6	—	0.02	—	—
11PH-SS087-F0-6	11PH-SS087-F0-6	0.23	0.162	0.699
11PH-SS087-G0-6	11PH-SS087-G0-6	0.20	0.415	2.114
11PH-TU087-L1-A-6	11PH-TU087-L1-A-6	0.20	0.108	0.532
—	11PH-GP079-C-0-2	—	0.420	—
11PH-TU087-L1-B-6	11PH-TU087-L1-B-6	0.22	0.347	1.560
11PH-TU087-L1-C-6	—	0.17	—	—
11PH-TU087-L1-D-6	—	0.15	—	—
11PH-TU087-L1-E-6	—	0.17	—	—
11PH-TU087-L1-F-6	—	0.19	—	—
11PH-TU087-L1-G-6	11PH-TU087-L1-G-6	0.21	0.408	1.920
11PH-SS088-A0-6	—	0.11	—	—
11PH-SS088-B0-6	11PH-SS088-B0-6	0.28	0.610	2.153
11PH-SS088-C0-6	11PH-SS088-C0-6	0.35	0.814	2.347
—	11PH-TU020-R1-B-6	—	0.814	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-SS088-D0-6	–	0.65	–	–
11PH-TU025-L3-E-6	11PH-TU025-L3-E-6	0.30	1.150	3.886
11PH-TU026-L4-C-6	11PH-TU026-L4-C-6	0.25	0.527	2.146
11PH-SS088-E0-6	11PH-SS088-E0-6	0.58	1.130	1.941
11PH-SS088-F0-6	11PH-SS088-F0-6	0.35	0.921	2.641
11PH-SS088-G0-6	11PH-SS088-G0-6	0.15	0.536	3.654
11PH-TU088-L1-A-6	11PH-TU088-L1-A-6	0.26	0.594	2.245
11PH-TU088-L1-B-6	–	0.08	–	–
11PH-TU088-L1-C-6	11PH-TU088-L1-C-6	0.21	0.874	4.136
11PH-TU088-L1-D-6	–	0.17	–	–
11PH-TU088-L1-E-6	–	0.69	–	–
11PH-TU088-L1-F-6	11PH-TU088-L1-F-6	0.43	1.180	2.766
11PH-TU088-L1-G-6	11PH-TU088-L1-G-6	0.52	1.140	2.204
11PH-SS089-A0-6	–	0.14	–	–
11PH-SS089-B0-6	–	0.11	–	–
11PH-SS089-C0-6	11PH-SS089-C0-6	0.29	0.828	2.857
11PH-SS089-D0-6	11PH-SS089-D0-6	0.23	0.632	2.801
11PH-SS089-E0-6	11PH-SS089-E0-6	0.41	0.728	1.775
11PH-SS089-F0-6	–	0.17	–	–
11PH-SS089-G0-6	11PH-SS089-G0-6	0.42	0.988	2.361
11PH-TU089-L1-A-6	–	0.81	–	–
11PH-TU089-L1-B-6	–	0.19	–	–
11PH-TU089-L1-B-6-Dup	11PH-TU089-L1-B-6	0.20	0.734	3.699
11PH-TU089-L1-C-6	11PH-TU089-L1-C-6	0.38	1.090	2.894
11PH-TU089-L1-D-6	11PH-TU089-L1-D-6	0.40	1.330	3.293
11PH-TU089-L1-E-6	–	0.11	–	–
11PH-TU089-L1-F-6	–	0.17	–	–
11PH-TU089-L1-G-6	–	0.12	–	–
11PH-SS090-A0-6	–	0.04	–	–
11PH-SS090-B0-6	–	0.02	–	–
11PH-SS090-C0-6	11PH-SS090-C0-6	0.35	1.120	3.190
11PH-SS090-D0-6	11PH-SS090-D0-6	0.30	0.908	2.989
11PH-SS090-E0-6	11PH-SS090-E0-6	0.38	1.070	2.818
11PH-SS090-F0-6	–	0.62	–	–
11PH-SS090-G0-6	–	0.27	–	–
11PH-TU090-L1-A-6	–	0.13	–	–
11PH-TU090-L1-B-6	–	0.15	–	–
11PH-TU090-L1-C-6	11PH-TU090-L1-C-6	0.29	0.667	2.338
11PH-TU090-L1-D-6	11PH-TU090-L1-D-6	0.42	1.150	2.740
11PH-TU090-L1-E-6	–	0.04	–	–
11PH-TU090-L1-F-6	–	0.19	–	–
11PH-TU090-L1-G-6	–	0.83	–	–
11PH-TU012-L2-B-6	11PH-TU012X-L2-B-6	0.41	0.977	2.371
11PH-TU012-L2-F-6	–	1.19	–	–
11PH-TU012-L3-A-6	–	0.97	–	–
11PH-TU012-L3-C-6	–	0.83	–	–
11PH-TU012-L3-E-6	–	1.93	–	–
11PH-TU013-L2-F-6	–	1.91	–	–
11PH-TU013-L3-G-6	11PH-TU013-L3-G-6	0.52	1.360	2.628
11PH-TU014-L2-B-6	–	0.69	–	–
11PH-TU014-L3-A-6	–	1.12	–	–
11PH-TU015-L2-A-6	–	0.06	–	–
11PH-TU015-L2-G-6	–	0.71	–	–
11PH-TU016-L2-C-6	–	0.72	–	–
11PH-TU016-L2-E-6	–	1.94	–	–
11PH-TU016-L2-F-6	–	0.88	–	–
11PH-TU016-L2-G-6	–	2.19	–	–
11PH-TU016-L3-D-6	11PH-TU016-L3-D-6	0.59	1.260	2.139
11PH-TU026-L4-C-6	11PH-TU026-L4-C-6	0.27	0.527	1.967
11PH-TU026-R2-B-6	–	0.77	–	–

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU026-R2-F-6	—	1.23	—	—
11PH-TU026-R3-C-6	11PH-TU026-R3-C-6	0.24	0.513	2.181
11PH-TU026-R3-E-6	11PH-TU026-R3-E-6	0.35	0.720	2.045
11PH-TU028-R2-C-6	—	0.72	—	—
11PH-TU028-R2-E-6	—	0.60	—	—
11PH-TU028-R3-D-6	—	0.05	—	—
11PH-TU028-R3-D-6-Dup	—	0.06	—	—
11PH-TU029-L3-G-6	11PH-TU029-L3-G-6	0.34	0.658	1.958
11PH-TU029-R2-C-6	11PH-TU029-R2-C-6	0.52	1.240	2.383
11PH-TU029-R2-E-6	—	1.31	—	—
11PH-TU029-R3-D-6	11PH-TU029-R3-D-6	0.38	0.704	1.848
11PH-TU030-L4-A-6	—	0.06	—	—
11PH-TU034-R3-A-6	—	0.10	—	—
11PH-TU034-R3-B-6	—	0.14	—	—
11PH-TU039-L3-A-6	—	2.70	—	—
11PH-TU039-L4-A-6	—	2.16	—	—
11PH-TU042-L2-A-6	—	1.86	—	—
11PH-TU042-L2-B-6	—	0.11	—	—
11PH-TU088R2-A-6	—	0.06	—	—
11PH-TU088R2-C-6	—	1.24	—	—
11PH-TU088R2-E-6	—	2.67	—	—
11PH-TU088-R2-F-6	—	1.97	—	—
11PH-TU088-R2-G-6	—	2.57	—	—
11PH-TU088-R3-D-6	—	2.53	—	—
11PH-TU089-R2-A-6	—	1.97	—	—
11PH-TU089-R2-F-6	—	0.17	—	—
11PH-TU089-R2-G-6	—	0.15	—	—
11PH-TU090-L2-C-6	—	0.79	—	—
11PH-TU090-L2-E-6	11PH-TU090-L2-E-6	0.25	0.715	2.878
11PH-TU090-L3-D-6	11PH-TU090-L3-D-6	0.20	0.899	4.512
11PH-TU033-R2-B-6	11PH-TU033-R2-B-6	0.54	1.870	3.467
11PH-TU033-R3-C-6	11PH-TU033-R3-C-6	0.41	1.540	3.783
11PH-TU033-R3-E-6	—	0.75	—	—
11PH-TU033-R4-F-6	—	0.16	—	—
11PH-TU038-L5-E-6	—	2.48	—	—
11PH-TU039-L3-B-6	—	1.64	—	—
11PH-TU039-L3-C-6	11PH-TU039-L3-C-6	0.45	2.040	4.500
11PH-TU039-L3-D-6	—	0.80	—	—
11PH-TU039-L3-E-6	11PH-TU039-L3-E-6	0.34	1.860	5.526
—	11PH-TU036-R2-B-6	—	1.860	—
11PH-TU039-L3-F-6	—	0.77	—	—
11PH-TU039-L3-G-6	—	0.61	—	—
11PH-TU039-L4-B-6	—	1.33	—	—
11PH-TU039-L5-A-6	—	2.37	—	—
11PH-TU040-L3-F-6	11PH-TU040-L3-F-6	0.24	0.808	3.406
11PH-TU040-L3-G-6	11PH-TU040-L3-G-6	0.31	0.751	2.455
11PH-TU041-L3-E-6	11PH-TU041-L3-E-6	0.63	2.540	4.052
11PH-TU041-L3-F-6	—	1.04	—	—
11PH-TU041-L3-G-6	—	0.69	—	—
11PH-TU087-R2-E-6	—	0.01	—	—
11PH-TU087-R2-G-6	—	0.05	—	—
11PH-SS001-A5-6	—	0.91	—	—
11PH-SS001-B5-6	—	0.75	—	—
11PH-SS001-C5-6	—	1.77	—	—
11PH-SS001-D5-6	—	1.77	—	—
11PH-SS001-E5-6	—	0.90	—	—
11PH-SS001-F5-6	—	1.03	—	—
11PH-SS001-G5-6	11PH-SS001-G5-6	0.32	1.140	3.589
11PH-TU001-R1-A-6	11PH-TU001-R1-A-6	0.32	1.010	3.195
11PH-TU001-R1-B-6	11PH-TU001-R1-B-6	0.44	0.968	2.222

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU001-R1-C-6	–	0.64	–	–
11PH-TU001-R1-C-6-Dup	–	0.67	–	–
11PH-TU011-L3-G-6	–	0.74	–	–
11PH-TU012-L2-F-6	–	0.55	–	–
11PH-TU012-L3-B-6	11PH-TU012-L3-B-6	0.27	1.040	3.838
11PH-TU012-L3-F-6	–	0.83	–	–
11PH-TU012-L4-A-6	–	0.61	–	–
11PH-TU012-L4-C-6	11PH-TU012-L4-C-6	0.21	0.876	4.270
11PH-TU012-L4-E-6	–	0.61	–	–
11PH-TU013-L2-E-6	–	1.06	–	–
11PH-TU013-L2-E-6-Dup	–	1.36	–	–
11PH-TU013-L3-F-6	–	0.89	–	–
11PH-TU014-L2-C-6	11PH-TU014-L2-C-6	0.37	1.250	3.363
11PH-TU014-L3-B-6	11PH-TU014-L3-B-6	0.46	1.640	3.597
11PH-TU014-L4-A-6	11PH-TU014-L4-A-6	0.21	0.799	3.779
–	11PH-SS025-D5-6	–	0.800	–
11PH-TU015-L2-F-6	–	0.11	–	–
11PH-TU015-L3-G-6	11PH-TU015-L3-G-6	0.25	0.983	3.989
11PH-TU016-L2-B-6	11PH-TU016-L2-B-6	0.50	2.090	4.219
11PH-TU016-L3-C-6	11PH-TU016-L3-C-6	0.42	1.700	4.064
11PH-TU016-L3-E-6	11PH-TU016-L3-E-6	0.44	1.360	3.093
11PH-TU016-L3-F-6	11PH-TU016-L3-F-6	0.53	2.030	3.861
11PH-TU016-L3-G-6	–	1.04	–	–
11PH-TU026-R2-A-6	11PH-TU026-R2-A-6	0.28	1.400	4.921
11PH-TU026-R3-B-6	–	0.14	–	–
11PH-TU026-R3-F-6	–	0.10	–	–
11PH-TU028-R2-B-6	–	0.86	–	–
11PH-TU028-R2-F-6	11PH-TU028-R2-F-6	0.46	1.540	3.322
11PH-TU028-R3-C-6	–	0.08	–	–
11PH-TU028-R3-E-6	–	0.14	–	–
11PH-TU029-R2-F-6	11PH-TU029-R2-F-6	0.58	4.810	8.242
11PH-TU029-R3-E-6	–	0.61	–	–
11PH-TU033-R4-E-6	11PH-TU033-R4-E-6	0.38	1.600	4.156
11PH-TU038-L5-D-6	–	1.23	–	–
11PH-TU039-L4-B-6	–	1.17	–	–
11PH-TU039-L4-F-6	11PH-TU039-L4-F-6	0.55	1.820	3.329
11PH-TU039-L4-G-6	11PH-TU039-L4-G-6	0.43	1.830	4.251
–	11PH-SS029-E5-6	–	1.830	–
11PH-TU039-L5-A-6	–	1.74	–	–
11PH-TU040-L3-A-6	11PH-TU040-L3-A-6	0.43	2.440	5.675
11PH-TU041-L3-D-6	11PH-TU041-L3-D-6	0.47	2.770	5.912
11PH-TU041-L4-E-6	–	0.41	–	–
11PH-TU041-L4-F-6	11PH-TU041-L4-F-6	0.52	1.660	3.188
11PH-TU041-L4-G-6	11PH-TU041-L4-G-6	0.33	1.470	4.494
11PH-TU042-L3-A-6	11PH-TU042-L3-A-6	0.56	1.930	3.437
11PH-TU088-L2-E-6	–	1.78	–	–
11PH-TU088-R2-B-6	–	0.06	–	–
11PH-TU088-R3-C-6	–	1.37	–	–
11PH-TU088-R3-D-6	–	2.27	–	–
11PH-TU088-R3-E-6	–	1.34	–	–
11PH-TU088-R3-F-6	–	1.18	–	–
11PH-TU088-R3-G-6	–	1.70	–	–
11PH-TU089-L2-A-6	11PH-TU089-L2-A-6	0.23	0.935	4.101
–	11PH-TU034X-R2-F-6	–	0.946	–
11PH-TU089-R2-B-6	–	0.60	–	–
11PH-TU089-R3-A-6	–	2.01	–	–
11PH-TU090-L2-B-6	11PH-TU090-L2-B-6	0.42	2.090	4.925
11PH-TU090-L2-G-6	–	0.60	–	–
11PH-TU090-L3-C-6	–	0.98	–	–
11PH-TU090-L3-C-6-Dup	–	0.64	–	–

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
11PH-TU001-R1-D-6	—	1.38	—	—
11PH-TU001-R1-E-6	—	0.91	—	—
11PH-TU001-R1-F-6	11PH-TU001-R1-F-6	0.27	0.901	3.299
—	11PH-TU012-L2-B-6	—	0.905	—
11PH-TU001-R1-G-6	—	0.78	—	—
Waste 10x dilution	—	1.55	—	—
Waste 20x dilution	—	1.64	—	—
—	11PH-AR-GPB1-0-2	—	ND [0.061]	—
—	11PH-AR-GPB1-2-4	—	ND [0.0544]	—
—	11PH-AR-GPB1-4-6	—	ND [0.086]	—
—	11PH-AR-GPB1-6-8	—	ND [0.0635]	—
—	11PH-AR-GPB10-0-2	—	ND [0.0543]	—
—	11PH-AR-GPB10-2-4	—	ND [0.0631]	—
—	11PH-AR-GPB10-4-6	—	ND [0.0711]	—
—	11PH-AR-GPB10-6-8	—	ND [0.237]	—
—	11PH-AR-GPB11-0-2	—	ND [0.0551]	—
—	11PH-AR-GPB11-10-12	—	ND [0.262]	—
—	11PH-AR-GPB11-2-4	—	ND [0.0677]	—
—	11PH-AR-GPB11-4-6	—	ND [0.064]	—
—	11PH-AR-GPB11-6-8	—	ND [0.0673]	—
—	11PH-AR-GPB11-8-10	—	ND [0.187]	—
—	11PH-AR-GPB15-0-2	—	ND [0.0622]	—
—	11PH-AR-GPB15-2-4	—	ND [0.0664]	—
—	11PH-AR-GPB15-4-6	—	ND [0.0799]	—
—	11PH-AR-GPB15-6-8	—	ND [0.0639]	—
—	11PH-AR-GPB16-0-2	—	ND [0.0603]	—
—	11PH-AR-GPB16-2-4	—	ND [0.0627]	—
—	11PH-AR-GPB16X-2-4	—	ND [0.0618]	—
—	11PH-AR-GPB16-4-6	—	ND [0.0605]	—
—	11PH-AR-GPB16-6-8	—	ND [0.0637]	—
—	11PH-AR-GPB17-0-2	—	ND [0.059]	—
—	11PH-AR-GPB17-2-4	—	ND [0.0646]	—
—	11PH-AR-GPB17-4-6	—	ND [0.06]	—
—	11PH-AR-GPB17-6-8	—	ND [0.0798]	—
—	11PH-AR-GPB18-0-2	—	ND [0.0573]	—
—	11PH-AR-GPB18-2-4	—	ND [0.0618]	—
—	11PH-AR-GPB18-4-6	—	ND [0.0577]	—
—	11PH-AR-GPB18-6-8	—	ND [0.0611]	—
—	11PH-AR-GPB19-0-2	—	ND [0.0564]	—
—	11PH-AR-GPB19-2-4	—	ND [0.0628]	—
—	11PH-AR-GPB19-4-6	—	ND [0.0574]	—
—	11PH-AR-GPB19-6-8	—	ND [0.0595]	—
—	11PH-AR-GPB2-0-2	—	ND [0.0539]	—
—	11PH-AR-GPB2-2-4	—	ND [0.0577]	—
—	11PH-AR-GPB2-4-6	—	ND [0.0688]	—
—	11PH-AR-GPB2-6-8	—	ND [0.176]	—
—	11PH-AR-GPB20-0-2	—	ND [0.0606]	—
—	11PH-AR-GPB20-2-4	—	ND [0.0707]	—
—	11PH-AR-GPB20-4-6	—	ND [0.0598]	—
—	11PH-AR-GPB20-6-8	—	ND [0.0594]	—
—	11PH-AR-GPB21-0-2	—	ND [0.0606]	—
—	11PH-AR-GPB21-2-4	—	ND [0.0585]	—
—	11PH-AR-GPB21-4-6	—	ND [0.0572]	—
—	11PH-AR-GPB21-6-8	—	ND [0.06]	—
—	11PH-AR-GPB21X-6-8	—	ND [0.06]	—
—	11PH-AR-GPB3-0-2	—	ND [0.0574]	—
—	11PH-AR-GPB3-2-4	—	ND [0.0572]	—
—	11PH-AR-GPB3-4-6	—	ND [0.0648]	—
—	11PH-AR-GPB3-6-8	—	ND [0.069]	—
—	11PH-AR-GPB4-0-2	—	ND [0.0614]	—

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
–	11PH-AR-GPB4X-0-2	–	ND [0.0598]	–
–	11PH-AR-GPB4-2-4	–	ND [0.0681]	–
–	11PH-AR-GPB4-4-6	–	ND [0.106]	–
–	11PH-AR-GPB4-6-8	–	ND [0.0758]	–
–	11PH-AR-GPB5-0-2	–	ND [0.0575]	–
–	11PH-AR-GPB5-2-4	–	ND [0.0642]	–
–	11PH-AR-GPB5-4-6	–	ND [0.0737]	–
–	11PH-AR-GPB5-6-8	–	ND [0.0662]	–
–	11PH-AR-GPB6-0-2	–	ND [0.0544]	–
–	11PH-AR-GPB6-2-4	–	ND [0.0625]	–
–	11PH-AR-GPB6-4-6	–	ND [0.0653]	–
–	11PH-AR-GPB6-6-8	–	ND [0.0709]	–
–	11PH-AR-GPB7-0-2	–	ND [0.0528]	–
–	11PH-AR-GPB7-2-4	–	ND [0.0617]	–
–	11PH-AR-GPB7-4-6	–	ND [0.0657]	–
–	11PH-AR-GPB7-6-8	–	ND [0.0757]	–
–	11PH-AR-GPB8-0-2	–	ND [0.0571]	–
–	11PH-AR-GPB8-10-12	–	ND [0.0646]	–
–	11PH-AR-GPB8-2-4	–	ND [0.0663]	–
–	11PH-AR-GPB8-4-6	–	ND [0.0676]	–
–	11PH-AR-GPB8-6-8	–	ND [0.0658]	–
–	11PH-AR-GPB8-8-10	–	ND [0.0823]	–
–	11PH-AR-GPB8X-8-10	–	ND [0.0722]	–
–	11PH-AR-GPB9-0-2	–	ND [0.0544]	–
–	11PH-AR-GPB9-2-4	–	ND [0.0625]	–
–	11PH-AR-GPB9-4-6	–	ND [0.0606]	–
–	11PH-AR-GPB9-6-8	–	ND [0.0675]	–
–	11PH-DECON-SW01-0	–	ND [0.1]	–
–	11PH-GP005-C-0-2	–	ND [0.0596]	–
–	11PH-GP005-C-2-4	–	ND [0.0631]	–
–	11PH-GP005-C-4-6	–	ND [0.0578]	–
–	11PH-GP005-C-6-8	–	ND [0.0583]	–
–	11PH-GP010-C-0-2	–	ND [0.0568]	–
–	11PH-GP010-C-2-4	–	ND [0.0616]	–
–	11PH-GP010-C-4-6	–	ND [0.0587]	–
–	11PH-GP010-C-6-8	–	ND [0.0587]	–
–	11PH-GP015-C-2-4	–	ND [0.0557]	–
–	11PH-GP015-C-4-6	–	ND [0.0574]	–
–	11PH-GP015-C-6-8	–	ND [0.0577]	–
–	11PH-GP020-C-0-2	–	ND [0.0609]	–
–	11PH-GP020-C-2-4	–	ND [0.0635]	–
–	11PH-GP020-C-4-6	–	ND [0.0615]	–
–	11PH-GP020X-C-4-6	–	ND [0.0627]	–
–	11PH-GP020-C-6-8	–	ND [0.0544]	–
–	11PH-GP025-C-2-4	–	ND [0.0628]	–
–	11PH-GP025-C-4-6	–	ND [0.0582]	–
–	11PH-GP025-C-6-8	–	ND [0.0603]	–
–	11PH-GP030-C-2-4	–	ND [0.0596]	–
–	11PH-GP030-C-4-6	–	ND [0.0611]	–
–	11PH-GP030-C-6-8	–	ND [0.0585]	–
–	11PH-GP035-C-0-2	–	ND [0.0574]	–
–	11PH-GP035-C-10-12	–	ND [0.0571]	–
–	11PH-GP035-C-2-4	–	ND [0.0569]	–
–	11PH-GP035-C-4-6	–	ND [0.0587]	–
–	11PH-GP035-C-6-8	–	ND [0.0643]	–
–	11PH-GP035-C-8-10	–	ND [0.058]	–
–	11PH-GP040-C-10-12	–	ND [0.0554]	–
–	11PH-GP040-C-12-14	–	ND [0.0546]	–
–	11PH-GP040-C-14-16	–	ND [0.0548]	–
–	11PH-GP040-C-2-4	–	ND [0.0545]	–

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
–	11PH-GP040-C-4-6	–	ND [0.055]	–
–	11PH-GP040-C-6-8	–	ND [0.0555]	–
–	11PH-GP040-C-8-10	–	ND [0.0564]	–
–	11PH-GP046-C-2-4	–	ND [0.0633]	–
–	11PH-GP046-C-4-6	–	ND [0.0581]	–
–	11PH-GP046-C-6-8	–	ND [0.068]	–
–	11PH-GP046X-C-6-8	–	ND [0.0644]	–
–	11PH-GP050-C-10-12	–	ND [0.0577]	–
–	11PH-GP050-C-2-4	–	ND [0.0659]	–
–	11PH-GP050X-C-4-6	–	ND [0.0581]	–
–	11PH-GP050-C-6-8	–	ND [0.0578]	–
–	11PH-GP050-C-8-10	–	ND [0.0574]	–
–	11PH-GP055-C-0-2	–	ND [0.0572]	–
–	11PH-GP055-C-10-11	–	ND [0.0635]	–
–	11PH-GP055-C-2-4	–	ND [0.0575]	–
–	11PH-GP055-C-6-8	–	ND [0.0746]	–
–	11PH-GP055-C-8-10	–	ND [0.0729]	–
–	11PH-GP060-C-2-4	–	ND [0.06]	–
–	11PH-GP060-C-4-6	–	ND [0.0568]	–
–	11PH-GP060-C-6-8	–	ND [0.0578]	–
–	11PH-GP065-C-2-4	–	ND [0.0635]	–
–	11PH-GP065-C-6-8	–	ND [0.0561]	–
–	11PH-GP070-C-0-2	–	ND [0.057]	–
–	11PH-GP070-C-10-12	–	ND [0.0626]	–
–	11PH-GP070-C-2-4	–	ND [0.0582]	–
–	11PH-GP070-C-4-6	–	ND [0.0571]	–
–	11PH-GP070-C-6-8	–	ND [0.0558]	–
–	11PH-GP070-C-8-10	–	ND [0.0659]	–
–	11PH-GP075-C-10-12	–	ND [0.0667]	–
–	11PH-GP075-C-12-14	–	ND [0.0615]	–
–	11PH-GP075-C-14-16	–	ND [0.0603]	–
–	11PH-GP075-C-2-4	–	ND [0.0564]	–
–	11PH-GP075-C-6-8	–	ND [0.0648]	–
–	11PH-GP075-C-8-10	–	ND [0.073]	–
–	11PH-GP079-C-10-12	–	ND [0.0728]	–
–	11PH-GP079-C-12-14	–	ND [0.0638]	–
–	11PH-GP079-C-14-16	–	ND [0.0692]	–
–	11PH-GP079-C-6-8	–	ND [0.0586]	–
–	11PH-GP079-C-8-10	–	ND [0.0657]	–
–	11PH-GP080-L-10-12	–	ND [0.0683]	–
–	11PH-GP080-L-12-14	–	ND [0.0633]	–
–	11PH-GP080-L-14-16	–	ND [0.0649]	–
–	11PH-GP080-L-16-18	–	ND [0.0516]	–
–	11PH-GP080-L-18-20	–	ND [0.0595]	–
–	11PH-GP080-L-2-4	–	ND [0.0555]	–
–	11PH-GP080-L-4-6	–	ND [0.055]	–
–	11PH-GP080-L-6-8	–	ND [0.0551]	–
–	11PH-GP080-L-8-10	–	ND [0.069]	–
–	11PH-GP085-C-10-12	–	ND [0.0565]	–
–	11PH-GP085-C-0-2	–	0.037	–
–	11PH-GP085-C-2-4	–	ND [0.0593]	–
–	11PH-GP085-C-4-6	–	ND [0.0717]	–
–	11PH-GP085-C-6-8	–	ND [0.0597]	–
–	11PH-GP085-C-8-10	–	ND [0.0634]	–
–	11PH-GP086-R-10-12	–	ND [0.0536]	–
–	11PH-GP086-R-12-14	–	ND [0.0516]	–
–	11PH-GP086-R-14-16	–	ND [0.0519]	–
–	11PH-GP086-R-16-18	–	ND [0.052]	–
–	11PH-GP086X-R-16-18	–	ND [0.0515]	–
–	11PH-GP086-R-18-20	–	ND [0.0522]	–

**2011 Port Heiden Site Road
Field Screening Data**

Field Lab Sample ID	Fixed Lab Sample ID	Field Lab Result (mg/kg)	Fixed Lab Result (mg/kg)	Bias
–	11PH-GP086-R-2-4	–	ND [0.0571]	–
–	11PH-GP086-R-4-6	–	ND [0.0545]	–
–	11PH-GP086-R-6-8	–	ND [0.0554]	–
–	11PH-GP086-R-8-10	–	ND [0.0526]	–
–	11PH-GP087-L-10-12	–	ND [0.053]	–
–	11PH-GP087-L-12-14	–	ND [0.0529]	–
–	11PH-GP087-L-14-16	–	ND [0.0521]	–
–	11PH-GP087-L-16-18	–	ND [0.0531]	–
–	11PH-GP087-L-18-20	–	ND [0.0528]	–
–	11PH-GP087-L-2-4	–	ND [0.0588]	–
–	11PH-GP087-L-4-6	–	ND [0.0544]	–
–	11PH-GP087-L-6-8	–	ND [0.0543]	–
–	11PH-GP087-L-8-10	–	ND [0.0546]	–
–	11PH-GP088-R-10-12	–	ND [0.0715]	–
–	11PH-GP088-R-2-4	–	ND [0.0586]	–
–	11PH-GP088-R-4-6	–	ND [0.0573]	–
–	11PH-GP088-R-6-8	–	ND [0.0706]	–
–	11PH-GP088-R-8-10	–	ND [0.0769]	–
–	11PH-GP089-C-0-2	–	ND [0.0527]	–
–	11PH-GP089-C-10-12	–	ND [0.0538]	–
–	11PH-GP089-C-12-14	–	ND [0.0555]	–
–	11PH-GP089-C-14-16	–	ND [0.0539]	–
–	11PH-GP089-C-2-4	–	ND [0.0584]	–
–	11PH-GP089-C-4-6	–	ND [0.0535]	–
–	11PH-GP089-C-6-8	–	ND [0.0547]	–
–	11PH-GP089-C-8-10	–	ND [0.0548]	–
–	11PH-GP092-C-0-2	–	ND [0.0615]	–
–	11PH-GP092-C-2-4	–	ND [0.0643]	–
–	11PH-GP092-C-4-6	–	ND [0.0647]	–
–	11PH-GP092-C-6-8	–	ND [0.0539]	–
–	11PH-SS058-R12	–	ND [0.0597]	–
–	11PH-WP-CHEV-008	–	ND [1]	–
–	11PH-WP-DT0871-002	–	ND [1]	–
–	11PH-WP-EX320D-001	–	ND [1]	–
–	11PH-WP-f150-001	–	ND [1]	–
–	11PH-WP-F150-010	–	ND [1]	–
–	11PH-WP-F250-009	–	ND [1]	–
–	11PH-WP-FRG-006	–	ND [1]	–
–	11PH-WP-KIA-007	–	ND [1]	–
–	11PH-WP-LAB-005	–	ND [1]	–
–	11PH-WP-LG940-001	–	ND [1]	–
–	11PH-WP-PMP-004	–	ND [1]	–
–	11PH-WP-TWC-001	–	ND [1]	–
–	11PH-WP-TWC-003	–	ND [1]	–
–	11PH-WP-TWC-004	–	ND [1]	–
–	11PH-GP050-C-4-6	–	0.021	–
–	11PH-GP055-C-4-6	–	0.022	–
–	11PH-GP040-C-0-2	–	0.023	–
–	11PH-GP060-C-0-2	–	0.025	–
–	11PH-GP046-C-0-2	–	0.026	–
–	11PH-GP050-C-0-2	–	0.026	–
–	11PH-SS064-L-6	–	0.026	–

Notes:

– = sample was not analyzed

[] = LOQ for nondetect result

APPENDIX E
Analytical Data

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS001-L 11PH-SS001-L-12 1114013004 8/20/2011 SO SGSA	SS001-L 11PH-SS001-L-6 1114013001 8/20/2011 SO SGSA	SS001-R 11PH-SS001-R-12 1114013006 8/20/2011 SO SGSA	SS001-R 11PH-SS001-R-6 1114013005 8/20/2011 SO SGSA	SS002-L 11PH-SS002-L-12 1114013008 8/20/2011 SO SGSA	SS002-L 11PH-SS002-L-6 1114013007 8/20/2011 SO SGSA	SS002-R 11PH-SS002-R-12 1114013010 8/20/2011 SO SGSA	SS002-R 11PH-SS002-R-6 1114013009 8/20/2011 SO SGSA	SS003-L 11PH-SS003-L-12 1114013012 8/20/2011 SO SGSA	SS003-L 11PH-SS003-L-6 1114013011 8/20/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0637]	ND [0.0666]	ND [0.0609]	ND [0.061]	ND [0.0658]	ND [0.0685]	ND [0.0616]	ND [0.0618]	ND [0.0566]	ND [0.0625]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0637]	ND [0.0666]	ND [0.0609]	ND [0.061]	ND [0.0658]	ND [0.0685]	ND [0.0616]	ND [0.0618]	ND [0.0566]	ND [0.0625]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0637]	ND [0.0666]	ND [0.0609]	ND [0.061]	ND [0.0658]	ND [0.0685]	ND [0.0616]	ND [0.0618]	ND [0.0566]	ND [0.0625]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0637]	ND [0.0666]	ND [0.0609]	ND [0.061]	ND [0.0658]	ND [0.0685]	ND [0.0616]	ND [0.0618]	ND [0.0566]	ND [0.0625]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0637]	ND [0.0666]	ND [0.0609]	ND [0.061]	ND [0.0658]	ND [0.0685]	ND [0.0616]	ND [0.0618]	ND [0.0566]	ND [0.0625]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0637]	ND [0.0666]	ND [0.0609]	ND [0.061]	ND [0.0658]	ND [0.0685]	ND [0.0616]	ND [0.0618]	ND [0.0566]	ND [0.0625]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.47 [0.0637]	2.48 [0.133]	1.56 [0.0609]	9.99 [1.22]	0.0965 [0.0658]	0.271 [0.0685]	2.53 [0.0616]	9.24 [1.24]	11.6 [1.13]	6.42 [0.625]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS003-R 11PH-SS003-R-12 1114013014 8/20/2011 SO SGSA	SS003-R 11PH-SS003-R-6 1114013013 8/20/2011 SO SGSA	SS003-R 11PH-SS003X-R-6 1114013025 8/20/2011 SO SGSA	SS004-L 11PH-SS004-L-12 1114013016 8/20/2011 SO SGSA	SS004-L 11PH-SS004-L-6 1114013015 8/20/2011 SO SGSA	SS004-R 11PH-SS004-R-12 1114013018 8/20/2011 SO SGSA	SS004-R 11PH-SS004-R-6 1114013017 8/20/2011 SO SGSA	SS005-L 11PH-SS005-L-12 1114013020 8/20/2011 SO SGSA	SS005-L 11PH-SS005-L-6 1114013019 8/20/2011 SO SGSA	SS005-R 11PH-SS005-R-12 1114013024 8/20/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0613]	ND [0.0635]	ND [0.638]	ND [0.06]	ND [0.0573]	ND [0.0638]	ND [0.0611]	ND [0.0594]	ND [0.0588]	ND [0.0611]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0613]	ND [0.0635]	ND [0.638]	ND [0.06]	ND [0.0573]	ND [0.0638]	ND [0.0611]	ND [0.0594]	ND [0.0588]	ND [0.0611]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0613]	ND [0.0635]	ND [0.638]	ND [0.06]	ND [0.0573]	ND [0.0638]	ND [0.0611]	ND [0.0594]	ND [0.0588]	ND [0.0611]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0613]	ND [0.0635]	ND [0.638]	ND [0.06]	ND [0.0573]	ND [0.0638]	ND [0.0611]	ND [0.0594]	ND [0.0588]	ND [0.0611]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0613]	ND [0.0635]	ND [0.638]	ND [0.06]	ND [0.0573]	ND [0.0638]	ND [0.0611]	ND [0.0594]	ND [0.0588]	ND [0.0611]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0613]	ND [0.0635]	ND [0.638]	ND [0.06]	ND [0.0573]	ND [0.0638]	ND [0.0611]	ND [0.0594]	ND [0.0588]	ND [0.0611]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	3.57 [0.613]	6.42 [0.635]	5.04 [0.638]	6.2 [1.2]	8.65 [1.15]	2.75 [0.128]	5.41 [0.611]	3.22 [0.594]	5.96 [1.18]	1.53 [0.0611]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS005-R 11PH-SS005-R-6 1114013021 8/20/2011 SO SGSA	SS006-L 11PH-SS006-L-12 1114013027 8/20/2011 SO SGSA	SS006-L 11PH-SS006-L-6 1114013026 8/20/2011 SO SGSA	SS006-R 11PH-SS006-R-12 1114013029 8/20/2011 SO SGSA	SS006-R 11PH-SS006-R-6 1114013028 8/20/2011 SO SGSA	SS006-R 11PH-SS006X-R-6 1114013048 8/20/2011 SO SGSA	SS007-L 11PH-SS007-L-12 1114013031 8/20/2011 SO SGSA	SS007-L 11PH-SS007-L-6 1114013030 8/20/2011 SO SGSA	SS007-R 11PH-SS007-R-12 1114013033 8/20/2011 SO SGSA	SS007-R 11PH-SS007-R-6 1114013032 8/20/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.594]	ND [0.0594]	ND [0.581]	ND [0.0622]	ND [0.0614]	ND [0.0593]	ND [0.0599]	ND [0.0553]	ND [0.0565]	ND [0.564]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.594]	ND [0.0594]	ND [0.581]	ND [0.0622]	ND [0.0614]	ND [0.0593]	ND [0.0599]	ND [0.0553]	ND [0.0565]	ND [0.564]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.594]	ND [0.0594]	ND [0.581]	ND [0.0622]	ND [0.0614]	ND [0.0593]	ND [0.0599]	ND [0.0553]	ND [0.0565]	ND [0.564]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.594]	ND [0.0594]	ND [0.581]	ND [0.0622]	ND [0.0614]	ND [0.0593]	ND [0.0599]	ND [0.0553]	ND [0.0565]	ND [0.564]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.594]	ND [0.0594]	ND [0.581]	ND [0.0622]	ND [0.0614]	ND [0.0593]	ND [0.0599]	ND [0.0553]	ND [0.0565]	ND [0.564]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.594]	ND [0.0594]	ND [0.581]	ND [0.0622]	ND [0.0614]	ND [0.0593]	ND [0.0599]	ND [0.0553]	ND [0.0565]	ND [0.564]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	3.41 [0.594]	1.74 [0.0594]	3.81 [0.581]	1.19 [0.0622]	1.81 [0.0614]	1.9 [0.0593]	1.59 [0.0599]	1.43 [0.0553]	0.58 [0.0565]	3.6 [0.564]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS008-L 11PH-SS008-L-12 1114013035 8/20/2011 SO SGSA	SS008-L 11PH-SS008-L-6 1114013034 8/20/2011 SO SGSA	SS008-R 11PH-SS008-R-12 1114013037 8/20/2011 SO SGSA	SS008-R 11PH-SS008-R-6 1114013036 8/20/2011 SO SGSA	SS009-L 11PH-SS009-L-12 1114013039 8/20/2011 SO SGSA	SS009-L 11PH-SS009-L-6 1114013038 8/20/2011 SO SGSA	SS009-R 11PH-SS009-R-12 1114013041 8/20/2011 SO SGSA	SS009-R 11PH-SS009-R-6 1114013040 8/20/2011 SO SGSA	SS010-L 11PH-SS010-L-12 1114013045 8/20/2011 SO SGSA	SS010-L 11PH-SS010-L-6 1114013044 8/20/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [2.93]	ND [0.0594]	ND [0.598]	ND [6.01]	ND [0.608]	ND [0.589]	ND [0.0659]	ND [0.615]	ND [0.0615]	ND [0.0604]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [2.93]	ND [0.0594]	ND [0.598]	ND [6.01]	ND [0.608]	ND [0.589]	ND [0.0659]	ND [0.615]	ND [0.0615]	ND [0.0604]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [2.93]	ND [0.0594]	ND [0.598]	ND [6.01]	ND [0.608]	ND [0.589]	ND [0.0659]	ND [0.615]	ND [0.0615]	ND [0.0604]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [2.93]	ND [0.0594]	ND [0.598]	ND [6.01]	ND [0.608]	ND [0.589]	ND [0.0659]	ND [0.615]	ND [0.0615]	ND [0.0604]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [2.93]	ND [0.0594]	ND [0.598]	ND [6.01]	ND [0.608]	ND [0.589]	ND [0.0659]	ND [0.615]	ND [0.0615]	ND [0.0604]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [2.93]	ND [0.0594]	ND [0.598]	ND [6.01]	ND [0.608]	ND [0.589]	ND [0.0659]	ND [0.615]	ND [0.0615]	ND [0.0604]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	6.68 [2.93]	1.34 [0.0594]	4.6 [0.598]	69.5 [6.01]	5.13 [0.608]	4.16 [0.589]	2.24 [0.0659]	3.85 [0.615]	7.59 [0.615]	5.4 [0.604]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS010-R 11PH-SS010-R-12 1114013047 8/20/2011 SO SGSA	SS010-R 11PH-SS010-R-6 1114013046 8/20/2011 SO SGSA	SS011-L 11PH-SS011-L-12 1114013050 8/21/2011 SO SGSA	SS011-L 11PH-SS011-L-6 1114013049 8/21/2011 SO SGSA	SS011-R 11PH-SS011-R-12 1114013052 8/21/2011 SO SGSA	SS011-R 11PH-SS011-R-6 1114013051 8/21/2011 SO SGSA	SS012-L 11PH-SS012-L-12 1114013054 8/21/2011 SO SGSA	SS012-L 11PH-SS012-L-6 1114013053 8/21/2011 SO SGSA	SS012-L 11PH-SS012X-L-12 1114013071 8/21/2011 SO SGSA	SS012-R 11PH-SS012-R-12 1114013056 8/21/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0627]	ND [0.058]	ND [0.0587]	ND [0.0581]	ND [0.0591]	ND [0.0592]	ND [0.0577]	ND [0.0573]	ND [0.116]	ND [0.0584]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0627]	ND [0.058]	ND [0.0587]	ND [0.0581]	ND [0.0591]	ND [0.0592]	ND [0.0577]	ND [0.0573]	ND [0.116]	ND [0.0584]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0627]	ND [0.058]	ND [0.0587]	ND [0.0581]	ND [0.0591]	ND [0.0592]	ND [0.0577]	ND [0.0573]	ND [0.116]	ND [0.0584]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0627]	ND [0.058]	ND [0.0587]	ND [0.0581]	ND [0.0591]	ND [0.0592]	ND [0.0577]	ND [0.0573]	ND [0.116]	ND [0.0584]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0627]	ND [0.058]	ND [0.0587]	ND [0.0581]	ND [0.0591]	ND [0.0592]	ND [0.0577]	ND [0.0573]	ND [0.116]	ND [0.0584]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0627]	ND [0.058]	ND [0.0587]	ND [0.0581]	ND [0.0591]	ND [0.0592]	ND [0.0577]	ND [0.0573]	ND [0.116]	ND [0.0584]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.884 [0.0627]	2.56 [0.058]	2.56 [0.0587]	4.62 [0.581]	4.17 [0.591]	2.45 [0.0592]	5.86 [0.577]	3.95 [0.573]	4.8 [0.116]	6.04 [0.584]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS012-R 11PH-SS012-R-6 1114013055 8/21/2011 SO SGSA	SS013-L 11PH-SS013-L-12 1114013058 8/21/2011 SO SGSA	SS013-L 11PH-SS013-L-6 1114013057 8/21/2011 SO SGSA	SS013-R 11PH-SS013-R-12 1114013060 8/21/2011 SO SGSA	SS013-R 11PH-SS013-R-6 1114013059 8/21/2011 SO SGSA	SS014-L 11PH-SS014-L-12 1114013064 8/21/2011 SO SGSA	SS014-L 11PH-SS014-L-6 1114013061 8/21/2011 SO SGSA	SS014-R 11PH-SS014-R-12 1114013066 8/21/2011 SO SGSA	SS014-R 11PH-SS014-R-6 1114013065 8/21/2011 SO SGSA	SS015-L 11PH-SS015-L-12 1114013068 8/21/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0599]	ND [0.0599]	ND [0.0581]	ND [0.0614]	ND [0.0607]	ND [0.0588]	ND [0.0578]	ND [0.129]	ND [0.13]	ND [0.118]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0599]	ND [0.0599]	ND [0.0581]	ND [0.0614]	ND [0.0607]	ND [0.0588]	ND [0.0578]	ND [0.129]	ND [0.13]	ND [0.118]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0599]	ND [0.0599]	ND [0.0581]	ND [0.0614]	ND [0.0607]	ND [0.0588]	ND [0.0578]	ND [0.129]	ND [0.13]	ND [0.118]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0599]	ND [0.0599]	ND [0.0581]	ND [0.0614]	ND [0.0607]	ND [0.0588]	ND [0.0578]	ND [0.129]	ND [0.13]	ND [0.118]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0599]	ND [0.0599]	ND [0.0581]	ND [0.0614]	ND [0.0607]	ND [0.0588]	ND [0.0578]	ND [0.129]	ND [0.13]	ND [0.118]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0599]	ND [0.0599]	ND [0.0581]	ND [0.0614]	ND [0.0607]	ND [0.0588]	ND [0.0578]	ND [0.129]	ND [0.13]	ND [0.118]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	4.59 [0.599]	2.17 [0.0599]	3.64 [0.581]	3.71 [0.614]	1.83 [0.0607]	3.45 [0.588]	6.82 [0.578]	0.0694 [0.129] J	1.16 [0.13]	4.45 [0.118]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS015-L 11PH-SS015-L-6 1114013067 8/21/2011 SO SGSA	SS015-R 11PH-SS015-R-12 1114013070 8/21/2011 SO SGSA	SS015-R 11PH-SS015-R-6 1114013069 8/21/2011 SO SGSA	SS016-L 11PH-SS016-L-12 1114013073 8/21/2011 SO SGSA	SS016-L 11PH-SS016-L-6 1114013072 8/21/2011 SO SGSA	SS016-R 11PH-SS016-R-12 1114013075 8/21/2011 SO SGSA	SS016-R 11PH-SS016-R-6 1114013074 8/21/2011 SO SGSA	SS017-L 11PH-SS017-L-12 1114013077 8/21/2011 SO SGSA	SS017-L 11PH-SS017-L-6 1114013076 8/21/2011 SO SGSA	SS017-R 11PH-SS017-R-12 1114013079 8/21/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.12]	ND [0.121]	ND [0.122]	ND [0.114]	ND [0.12]	ND [0.12]	ND [0.119]	ND [0.118]	ND [0.115]	ND [0.612]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.12]	ND [0.121]	ND [0.122]	ND [0.114]	ND [0.12]	ND [0.12]	ND [0.119]	ND [0.118]	ND [0.115]	ND [0.612]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.12]	ND [0.121]	ND [0.122]	ND [0.114]	ND [0.12]	ND [0.12]	ND [0.119]	ND [0.118]	ND [0.115]	ND [0.612]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.12]	ND [0.121]	ND [0.122]	ND [0.114]	ND [0.12]	ND [0.12]	ND [0.119]	ND [0.118]	ND [0.115]	ND [0.612]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.12]	ND [0.121]	ND [0.122]	ND [0.114]	ND [0.12]	ND [0.12]	ND [0.119]	ND [0.118]	ND [0.115]	ND [0.612]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.12]	ND [0.121]	ND [0.122]	ND [0.114]	ND [0.12]	ND [0.12]	ND [0.119]	ND [0.118]	ND [0.115]	ND [0.612]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	5.46 [0.12]	0.24 [0.121]	1.84 [0.122]	9.15 [0.572]	3.04 [0.12]	3 [0.12]	3.4 [0.119]	2.57 [0.118]	4.59 [0.115]	3.75 [0.612]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS017-R 11PH-SS017-R-6 1114013078 8/21/2011 SO SGSA	SS018-L 11PH-SS018-L-12 1114020004 8/21/2011 SO SGSA	SS018-L 11PH-SS018-L-6 1114020001 8/21/2011 SO SGSA	SS018-L 11PH-SS018X-L-12 1114020015 8/21/2011 SO SGSA	SS018-R 11PH-SS018-R-12 1114020006 8/21/2011 SO SGSA	SS018-R 11PH-SS018-R-6 1114020005 8/21/2011 SO SGSA	SS019-L 11PH-SS019-L-12 1114020008 8/21/2011 SO SGSA	SS019-L 11PH-SS019-L-6 1114020007 8/21/2011 SO SGSA	SS019-R 11PH-SS019-R-12 1114020010 8/21/2011 SO SGSA	SS019-R 11PH-SS019-R-6 1114020009 8/21/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.121]	ND [0.124]	ND [0.31]	ND [0.305]	ND [0.123]	ND [0.115]	ND [0.316]	ND [0.295]	ND [0.302]	ND [0.295]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.121]	ND [0.124]	ND [0.31]	ND [0.305]	ND [0.123]	ND [0.115]	ND [0.316]	ND [0.295]	ND [0.302]	ND [0.295]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.121]	ND [0.124]	ND [0.31]	ND [0.305]	ND [0.123]	ND [0.115]	ND [0.316]	ND [0.295]	ND [0.302]	ND [0.295]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.121]	ND [0.124]	ND [0.31]	ND [0.305]	ND [0.123]	ND [0.115]	ND [0.316]	ND [0.295]	ND [0.302]	ND [0.295]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.121]	ND [0.124]	ND [0.31]	ND [0.305]	ND [0.123]	ND [0.115]	ND [0.316]	ND [0.295]	ND [0.302]	ND [0.295]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.121]	ND [0.124]	ND [0.31]	ND [0.305]	ND [0.123]	ND [0.115]	ND [0.316]	ND [0.295]	ND [0.302]	ND [0.295]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	9.04 [0.605]	3.51 [0.124]	1.84 [0.31]	4.78 [0.305]	1.97 [0.123]	1.64 [0.115]	7.16 [0.316]	4.05 [0.295]	3.04 [0.302]	2.71 [0.295]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS020-L 11PH-SS020-L-12 1114020012 8/21/2011 SO SGSA	SS020-L 11PH-SS020-L-6 1114020011 8/21/2011 SO SGSA	SS020-R 11PH-SS020-R-12 1114020014 8/21/2011 SO SGSA	SS020-R 11PH-SS020-R-6 1114020013 8/21/2011 SO SGSA	SS021-L 11PH-SS021-L-12 1114020017 8/21/2011 SO SGSA	SS021-L 11PH-SS021-L-6 1114020016 8/21/2011 SO SGSA	SS021-R 11PH-SS021-R-12 1114020019 8/21/2011 SO SGSA	SS021-R 11PH-SS021-R-6 1114020018 8/21/2011 SO SGSA	SS022-L 11PH-SS022-L-12 1114020021 8/21/2011 SO SGSA	SS022-L 11PH-SS022-L-6 1114020020 8/21/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.298]	ND [0.301]	ND [0.0619]	ND [0.298]	ND [0.288]	ND [0.297]	ND [0.297]	ND [0.286]	ND [0.284]	ND [0.285]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.298]	ND [0.301]	ND [0.0619]	ND [0.298]	ND [0.288]	ND [0.297]	ND [0.297]	ND [0.286]	ND [0.284]	ND [0.285]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.298]	ND [0.301]	ND [0.0619]	ND [0.298]	ND [0.288]	ND [0.297]	ND [0.297]	ND [0.286]	ND [0.284]	ND [0.285]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.298]	ND [0.301]	ND [0.0619]	ND [0.298]	ND [0.288]	ND [0.297]	ND [0.297]	ND [0.286]	ND [0.284]	ND [0.285]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.298]	ND [0.301]	ND [0.0619]	ND [0.298]	ND [0.288]	ND [0.297]	ND [0.297]	ND [0.286]	ND [0.284]	ND [0.285]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.298]	ND [0.301]	ND [0.0619]	ND [0.298]	ND [0.288]	ND [0.297]	ND [0.297]	ND [0.286]	ND [0.284]	ND [0.285]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	6.23 [0.298]	1.56 [0.301]	1.74 [0.0619]	3.5 [0.298]	24.2 [2.88]	2.53 [0.297]	4.75 [0.297]	4.56 [0.286]	11.2 [0.284]	3.05 [0.285]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS022-R 11PH-SS022-R-12 1114020025 8/21/2011 SO SGSA	SS022-R 11PH-SS022-R-6 1114020024 8/21/2011 SO SGSA	SS022-R 11PH-SS022X-R-12 1114020038 8/21/2011 SO SGSA	SS023-L 11PH-SS023-L-12 1114020027 8/21/2011 SO SGSA	SS023-L 11PH-SS023-L-6 1114020026 8/21/2011 SO SGSA	SS023-R 11PH-SS023-R-12 1114020029 8/21/2011 SO SGSA	SS023-R 11PH-SS023-R-6 1114020028 8/21/2011 SO SGSA	SS024-L 11PH-SS024-L-12 1114020031 8/21/2011 SO SGSA	SS024-L 11PH-SS024-L-6 1114020030 8/21/2011 SO SGSA	SS024-R 11PH-SS024-R-12 1114020033 8/21/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.121]	ND [0.118]	ND [0.301]	ND [0.295]	ND [0.298]	ND [0.301]	ND [0.293]	ND [0.298]	ND [0.294]	ND [0.297]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.121]	ND [0.118]	ND [0.301]	ND [0.295]	ND [0.298]	ND [0.301]	ND [0.293]	ND [0.298]	ND [0.294]	ND [0.297]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.121]	ND [0.118]	ND [0.301]	ND [0.295]	ND [0.298]	ND [0.301]	ND [0.293]	ND [0.298]	ND [0.294]	ND [0.297]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.121]	ND [0.118]	ND [0.301]	ND [0.295]	ND [0.298]	ND [0.301]	ND [0.293]	ND [0.298]	ND [0.294]	ND [0.297]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.121]	ND [0.118]	ND [0.301]	ND [0.295]	ND [0.298]	ND [0.301]	ND [0.293]	ND [0.298]	ND [0.294]	ND [0.297]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.121]	ND [0.118]	ND [0.301]	ND [0.295]	ND [0.298]	ND [0.301]	ND [0.293]	ND [0.298]	ND [0.294]	ND [0.297]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	3.83 [0.121]	3.66 [0.118]	2.73 [0.301]	25.6 [2.95]	4.65 [0.298]	6.76 [0.301]	7.8 [0.293]	17 [2.98]	13.4 [1.18]	5.46 [0.297]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS024-R 11PH-SS024-R-6 1114020032 8/21/2011 SO SGSA	SS025-L 11PH-SS025-L-12 1114020035 8/21/2011 SO SGSA	SS025-L 11PH-SS025-L-6 1114020034 8/21/2011 SO SGSA	SS025-R 11PH-SS025-R-12 1114020037 8/21/2011 SO SGSA	SS025-R 11PH-SS025-R-6 1114020036 8/21/2011 SO SGSA	SS026-L 11PH-SS026-L-12 1114020040 8/21/2011 SO SGSA	SS026-L 11PH-SS026-L-6 1114020039 8/21/2011 SO SGSA	SS026-R 11PH-SS026-R-12 1114020044 8/21/2011 SO SGSA	SS026-R 11PH-SS026-R-6 1114020041 8/21/2011 SO SGSA	SS027-L 11PH-SS027-L-12 1114020046 8/21/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.286]	ND [0.308]	ND [0.295]	ND [0.301]	ND [0.287]	ND [0.298]	ND [0.293]	ND [0.305]	ND [0.114]	ND [0.307]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.286]	ND [0.308]	ND [0.295]	ND [0.301]	ND [0.287]	ND [0.298]	ND [0.293]	ND [0.305]	ND [0.114]	ND [0.307]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.286]	ND [0.308]	ND [0.295]	ND [0.301]	ND [0.287]	ND [0.298]	ND [0.293]	ND [0.305]	ND [0.114]	ND [0.307]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.286]	ND [0.308]	ND [0.295]	ND [0.301]	ND [0.287]	ND [0.298]	ND [0.293]	ND [0.305]	ND [0.114]	ND [0.307]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.286]	ND [0.308]	ND [0.295]	ND [0.301]	ND [0.287]	ND [0.298]	ND [0.293]	ND [0.305]	ND [0.114]	ND [0.307]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.286]	ND [0.308]	ND [0.295]	ND [0.301]	ND [0.287]	ND [0.298]	ND [0.293]	ND [0.305]	ND [0.114]	ND [0.307]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	5.29 [0.286]	10.3 [0.308]	6.04 [0.295]	0.752 [0.301]	2.69 [0.287]	6.61 [0.298]	6.46 [0.293]	3.12 [0.305]	6.65 [0.114]	3.93 [0.307]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS027-L 11PH-SS027-L-6 1114020045 8/21/2011 SO SGSA	SS027-R 11PH-SS027-R-12 1114020048 8/21/2011 SO SGSA	SS027-R 11PH-SS027-R-6 1114020047 8/21/2011 SO SGSA	SS028-L 11PH-SS028-L-12 1114020050 8/21/2011 SO SGSA	SS028-L 11PH-SS028-L-6 1114020049 8/21/2011 SO SGSA	SS028-L 11PH-SS028X-L-12 1114020061 8/21/2011 SO SGSA	SS028-R 11PH-SS028-R-12 1114020052 8/21/2011 SO SGSA	SS028-R 11PH-SS028-R-6 1114020051 8/21/2011 SO SGSA	SS029-L 11PH-SS029-L-12 1114020054 8/21/2011 SO SGSA	SS029-L 11PH-SS029-L-6 1114020053 8/21/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.294]	ND [0.306]	ND [0.307]	ND [0.302]	ND [0.0598]	ND [0.0613]	ND [0.0616]	ND [0.0632]	ND [0.118]	ND [0.3]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.294]	ND [0.306]	ND [0.307]	ND [0.302]	ND [0.0598]	ND [0.0613]	ND [0.0616]	ND [0.0632]	ND [0.118]	ND [0.3]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.294]	ND [0.306]	ND [0.307]	ND [0.302]	ND [0.0598]	ND [0.0613]	ND [0.0616]	ND [0.0632]	ND [0.118]	ND [0.3]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.294]	ND [0.306]	ND [0.307]	ND [0.302]	ND [0.0598]	ND [0.0613]	ND [0.0616]	ND [0.0632]	ND [0.118]	ND [0.3]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.294]	ND [0.306]	ND [0.307]	ND [0.302]	ND [0.0598]	ND [0.0613]	ND [0.0616]	ND [0.0632]	ND [0.118]	ND [0.3]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.294]	ND [0.306]	ND [0.307]	ND [0.302]	ND [0.0598]	ND [0.0613]	ND [0.0616]	ND [0.0632]	ND [0.118]	ND [0.3]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.3 [0.294]	2.15 [0.306]	1.72 [0.307]	3.07 [0.302]	0.277 [0.0598]	2.88 [0.123]	0.0356 [0.0616] J	ND [0.0632]	5.09 [0.118]	11.2 [0.3]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS029-R 11PH-SS029-R-12 1114020056 8/21/2011 SO SGSA	SS029-R 11PH-SS029-R-6 1114020055 8/21/2011 SO SGSA	SS030-L 11PH-SS030-L-12 1114020058 8/21/2011 SO SGSA	SS030-L 11PH-SS030-L-6 1114020057 8/21/2011 SO SGSA	SS030-R 11PH-SS030-R-12 1114020060 8/21/2011 SO SGSA	SS030-R 11PH-SS030-R-6 1114020059 8/21/2011 SO SGSA	SS031-L 11PH-SS031-L-12 1114020065 8/21/2011 SO SGSA	SS031-L 11PH-SS031-L-6 1114020064 8/21/2011 SO SGSA	SS031-R 11PH-SS031-R-12 1114020067 8/21/2011 SO SGSA	SS031-R 11PH-SS031-R-6 1114020066 8/21/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.122]	ND [0.119]	ND [0.117]	ND [0.121]	ND [0.119]	ND [0.117]	ND [0.117]	ND [0.115]	ND [0.122]	ND [0.119]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.122]	ND [0.119]	ND [0.117]	ND [0.121]	ND [0.119]	ND [0.117]	ND [0.117]	ND [0.115]	ND [0.122]	ND [0.119]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.122]	ND [0.119]	ND [0.117]	ND [0.121]	ND [0.119]	ND [0.117]	ND [0.117]	ND [0.115]	ND [0.122]	ND [0.119]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.122]	ND [0.119]	ND [0.117]	ND [0.121]	ND [0.119]	ND [0.117]	ND [0.117]	ND [0.115]	ND [0.122]	ND [0.119]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.122]	ND [0.119]	ND [0.117]	ND [0.121]	ND [0.119]	ND [0.117]	ND [0.117]	ND [0.115]	ND [0.122]	ND [0.119]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.122]	ND [0.119]	ND [0.117]	ND [0.121]	ND [0.119]	ND [0.117]	ND [0.117]	ND [0.115]	ND [0.122]	ND [0.119]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.8 [0.122]	4.53 [0.119]	4.33 [0.117]	4.83 [0.121]	7.5 [0.595]	4.2 [0.117]	4.65 [0.117]	6.65 [0.576]	20.5 [1.22]	3.68 [0.119]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS032-L 11PH-SS032-L-12 1114020069 8/21/2011 SO SGSA	SS032-L 11PH-SS032-L-6 1114020068 8/21/2011 SO SGSA	SS032-R 11PH-SS032-R-12 1114020071 8/21/2011 SO SGSA	SS032-R 11PH-SS032-R-6 1114020070 8/21/2011 SO SGSA	SS033-L 11PH-SS033-L-12 1114020073 8/21/2011 SO SGSA	SS033-L 11PH-SS033-L-6 1114020072 8/21/2011 SO SGSA	SS033-R 11PH-SS033-R-12 1114020075 8/21/2011 SO SGSA	SS033-R 11PH-SS033-R-6 1114020074 8/21/2011 SO SGSA	SS034-L 11PH-SS034-L-12 1114020077 8/21/2011 SO SGSA	SS034-L 11PH-SS034-L-6 1114020076 8/21/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.116]	ND [0.117]	ND [0.128]	ND [0.118]	ND [0.116]	ND [0.118]	ND [0.123]	ND [0.119]	ND [0.0573]	ND [0.0578]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.116]	ND [0.117]	ND [0.128]	ND [0.118]	ND [0.116]	ND [0.118]	ND [0.123]	ND [0.119]	ND [0.0573]	ND [0.0578]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.116]	ND [0.117]	ND [0.128]	ND [0.118]	ND [0.116]	ND [0.118]	ND [0.123]	ND [0.119]	ND [0.0573]	ND [0.0578]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.116]	ND [0.117]	ND [0.128]	ND [0.118]	ND [0.116]	ND [0.118]	ND [0.123]	ND [0.119]	ND [0.0573]	ND [0.0578]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.116]	ND [0.117]	ND [0.128]	ND [0.118]	ND [0.116]	ND [0.118]	ND [0.123]	ND [0.119]	ND [0.0573]	ND [0.0578]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.116]	ND [0.117]	ND [0.128]	ND [0.118]	ND [0.116]	ND [0.118]	ND [0.123]	ND [0.119]	ND [0.0573]	ND [0.0578]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	4.7 [0.116]	7.53 [1.17]	4.47 [0.128]	5.06 [0.118]	11.3 [0.579]	13.1 [1.18]	3.67 [0.123]	3.26 [0.119]	6.47 [1.15]	5.94 [1.16]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS034-R 11PH-SS034-R-12 1114020079 8/21/2011 SO SGSA	SS034-R 11PH-SS034-R-6 1114020078 8/21/2011 SO SGSA	SS035-L 11PH-SS035-L-12 1114053004 8/21/2011 SO SGSA	SS035-L 11PH-SS035-L-6 1114053001 8/21/2011 SO SGSA	SS035-R 11PH-SS035-R-12 1114053006 8/21/2011 SO SGSA	SS035-R 11PH-SS035-R-6 1114053005 8/21/2011 SO SGSA	SS035-R 11PH-SS035X-R-6 1114053007 8/21/2011 SO SGSA	SS036-L 11PH-SS036-L-12 1114053009 8/21/2011 SO SGSA	SS036-L 11PH-SS036-L-6 1114053008 8/21/2011 SO SGSA	SS036-R 11PH-SS036-R-12 1114053011 8/21/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.297]	ND [0.0586]	ND [0.291]	ND [0.0593]	ND [0.28]	ND [0.291]	ND [0.3]	ND [0.298]	ND [0.293]	ND [0.295]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.297]	ND [0.0586]	ND [0.291]	ND [0.0593]	ND [0.28]	ND [0.291]	ND [0.3]	ND [0.298]	ND [0.293]	ND [0.295]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.297]	ND [0.0586]	ND [0.291]	ND [0.0593]	ND [0.28]	ND [0.291]	ND [0.3]	ND [0.298]	ND [0.293]	ND [0.295]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.297]	ND [0.0586]	ND [0.291]	ND [0.0593]	ND [0.28]	ND [0.291]	ND [0.3]	ND [0.298]	ND [0.293]	ND [0.295]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.297]	ND [0.0586]	ND [0.291]	ND [0.0593]	ND [0.28]	ND [0.291]	ND [0.3]	ND [0.298]	ND [0.293]	ND [0.295]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.297]	ND [0.0586]	ND [0.291]	ND [0.0593]	ND [0.28]	ND [0.291]	ND [0.3]	ND [0.298]	ND [0.293]	ND [0.295]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	7.29 [0.297]	1.3 [0.0586]	5.42 [0.291]	6.1 [0.297]	3.82 [0.28]	4.68 [0.291]	5.85 [0.3]	6.57 [0.298]	3.62 [0.293]	5.51 [0.295]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS036-R 11PH-SS036-R-6 1114053010 8/21/2011 SO SGSA	SS037-L 11PH-SS037-L-12 1114053013 8/21/2011 SO SGSA	SS037-L 11PH-SS037-L-6 1114053012 8/21/2011 SO SGSA	SS037-R 11PH-SS037-R-12 1114053015 8/21/2011 SO SGSA	SS037-R 11PH-SS037-R-6 1114053014 8/21/2011 SO SGSA	SS038-L 11PH-SS038-L-12 1114053017 8/22/2011 SO SGSA	SS038-L 11PH-SS038-L-6 1114053016 8/22/2011 SO SGSA	SS038-L 11PH-SS038X-L-12 1114053030 8/22/2011 SO SGSA	SS038-R 11PH-SS038-R-12 1114053019 8/22/2011 SO SGSA	SS038-R 11PH-SS038-R-6 1114053018 8/22/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.291]	ND [0.293]	ND [0.298]	ND [0.299]	ND [0.309]	ND [0.295]	ND [0.297]	ND [0.293]	ND [0.292]	ND [0.306]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.291]	ND [0.293]	ND [0.298]	ND [0.299]	ND [0.309]	ND [0.295]	ND [0.297]	ND [0.293]	ND [0.292]	ND [0.306]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.291]	ND [0.293]	ND [0.298]	ND [0.299]	ND [0.309]	ND [0.295]	ND [0.297]	ND [0.293]	ND [0.292]	ND [0.306]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.291]	ND [0.293]	ND [0.298]	ND [0.299]	ND [0.309]	ND [0.295]	ND [0.297]	ND [0.293]	ND [0.292]	ND [0.306]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.291]	ND [0.293]	ND [0.298]	ND [0.299]	ND [0.309]	ND [0.295]	ND [0.297]	ND [0.293]	ND [0.292]	ND [0.306]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.291]	ND [0.293]	ND [0.298]	ND [0.299]	ND [0.309]	ND [0.295]	ND [0.297]	ND [0.293]	ND [0.292]	ND [0.306]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	5.77 [0.291]	5.62 [0.293]	9.46 [0.298]	5.7 [0.299]	3.66 [0.309]	9.38 [0.295]	6.47 [0.297]	11.1 [0.293]	9.59 [0.292]	1.16 [0.306]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS039-L 11PH-SS039-L-12 1114053021 8/22/2011 SO SGSA	SS039-L 11PH-SS039-L-6 1114053020 8/22/2011 SO SGSA	SS039-R 11PH-SS039-R-12 1114053025 8/22/2011 SO SGSA	SS039-R 11PH-SS039-R-6 1114053024 8/22/2011 SO SGSA	SS040-L 11PH-SS040-L-12 1114053027 8/22/2011 SO SGSA	SS040-L 11PH-SS040-L-6 1114053026 8/22/2011 SO SGSA	SS040-R 11PH-SS040-R-12 1114053029 8/22/2011 SO SGSA	SS040-R 11PH-SS040-R-6 1114053028 8/22/2011 SO SGSA	SS041-L 11PH-SS041-L-12 1114053032 8/22/2011 SO SGSA	SS041-L 11PH-SS041-L-6 1114053031 8/22/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.293]	ND [0.297]	ND [0.291]	ND [0.292]	ND [0.295]	ND [0.293]	ND [0.301]	ND [0.3]	ND [0.294]	ND [0.283]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.293]	ND [0.297]	ND [0.291]	ND [0.292]	ND [0.295]	ND [0.293]	ND [0.301]	ND [0.3]	ND [0.294]	ND [0.283]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.293]	ND [0.297]	ND [0.291]	ND [0.292]	ND [0.295]	ND [0.293]	ND [0.301]	ND [0.3]	ND [0.294]	ND [0.283]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.293]	ND [0.297]	ND [0.291]	ND [0.292]	ND [0.295]	ND [0.293]	ND [0.301]	ND [0.3]	ND [0.294]	ND [0.283]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.293]	ND [0.297]	ND [0.291]	ND [0.292]	ND [0.295]	ND [0.293]	ND [0.301]	ND [0.3]	ND [0.294]	ND [0.283]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.293]	ND [0.297]	ND [0.291]	ND [0.292]	ND [0.295]	ND [0.293]	ND [0.301]	ND [0.3]	ND [0.294]	ND [0.283]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	12.3 [0.293]	8.64 [0.297]	15.8 [2.91]	32.8 [1.17]	9.06 [0.295]	6.95 [0.293]	3.6 [0.301]	5.71 [0.3]	3.52 [0.294]	3.27 [0.283]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS041-R 11PH-SS041-R-12 1114053034 8/22/2011 SO SGSA	SS041-R 11PH-SS041-R-6 1114053033 8/22/2011 SO SGSA	SS042-L 11PH-SS042-L-12 1114053036 8/22/2011 SO SGSA	SS042-L 11PH-SS042-L-6 1114053035 8/22/2011 SO SGSA	SS042-R 11PH-SS042-R-12 1114053038 8/22/2011 SO SGSA	SS042-R 11PH-SS042-R-6 1114053037 8/22/2011 SO SGSA	SS043-L 11PH-SS043-L-12 1114053040 8/22/2011 SO SGSA	SS043-L 11PH-SS043-L-6 1114053039 8/22/2011 SO SGSA	SS043-R 11PH-SS043-R-12 1114053044 8/22/2011 SO SGSA	SS043-R 11PH-SS043-R-6 1114053041 8/22/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.299]	ND [0.285]	ND [0.29]	ND [0.282]	ND [0.305]	ND [0.284]	ND [0.293]	ND [0.282]	ND [0.0634]	ND [0.295]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.299]	ND [0.285]	ND [0.29]	ND [0.282]	ND [0.305]	ND [0.284]	ND [0.293]	ND [0.282]	ND [0.0634]	ND [0.295]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.299]	ND [0.285]	ND [0.29]	ND [0.282]	ND [0.305]	ND [0.284]	ND [0.293]	ND [0.282]	ND [0.0634]	ND [0.295]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.299]	ND [0.285]	ND [0.29]	ND [0.282]	ND [0.305]	ND [0.284]	ND [0.293]	ND [0.282]	ND [0.0634]	ND [0.295]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.299]	ND [0.285]	ND [0.29]	ND [0.282]	ND [0.305]	ND [0.284]	ND [0.293]	ND [0.282]	ND [0.0634]	ND [0.295]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.299]	ND [0.285]	ND [0.29]	ND [0.282]	ND [0.305]	ND [0.284]	ND [0.293]	ND [0.282]	ND [0.0634]	ND [0.295]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.74 [0.299]	1.59 [0.285]	1.7 [0.29]	1.02 [0.282]	0.726 [0.305]	0.922 [0.284]	0.555 [0.293]	0.48 [0.282]	0.228 [0.0634]	0.387 [0.295] JM+

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS044-L 11PH-SS044-L-12 1114053046 8/22/2011 SO SGSA	SS044-L 11PH-SS044-L-6 1114053045 8/22/2011 SO SGSA	SS044-R 11PH-SS044-R-12 1114053048 8/22/2011 SO SGSA	SS044-R 11PH-SS044-R-6 1114053047 8/22/2011 SO SGSA	SS045-L 11PH-SS045-L-12 1114053050 8/22/2011 SO SGSA	SS045-L 11PH-SS045-L-6 1114053049 8/22/2011 SO SGSA	SS045-R 11PH-SS045-R-12 1114053052 8/22/2011 SO SGSA	SS045-R 11PH-SS045-R-6 1114053051 8/22/2011 SO SGSA	SS045-R 11PH-SS045X-R-6 1114053053 8/22/2011 SO SGSA	SS046-L 11PH-SS046-L-12 1114053055 8/22/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.292]	ND [0.276]	ND [0.0701]	ND [0.3]	ND [0.304]	ND [0.277]	ND [0.074]	ND [0.321]	ND [0.0638]	ND [0.0585]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.292]	ND [0.276]	ND [0.0701]	ND [0.3]	ND [0.304]	ND [0.277]	ND [0.074]	ND [0.321]	ND [0.0638]	ND [0.0585]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.292]	ND [0.276]	ND [0.0701]	ND [0.3]	ND [0.304]	ND [0.277]	ND [0.074]	ND [0.321]	ND [0.0638]	ND [0.0585]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.292]	ND [0.276]	ND [0.0701]	ND [0.3]	ND [0.304]	ND [0.277]	ND [0.074]	ND [0.321]	ND [0.0638]	ND [0.0585]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.292]	ND [0.276]	ND [0.0701]	ND [0.3]	ND [0.304]	ND [0.277]	ND [0.074]	ND [0.321]	ND [0.0638]	ND [0.0585]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.292]	ND [0.276]	ND [0.0701]	ND [0.3]	ND [0.304]	ND [0.277]	ND [0.074]	ND [0.321]	ND [0.0638]	ND [0.0585]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.441 [0.292]	0.64 [0.276]	0.327 [0.0701]	0.57 [0.3]	0.362 [0.304]	0.379 [0.277]	0.141 [0.074]	0.371 [0.321]	0.315 [0.0638]	0.148 [0.0585]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS046-L 11PH-SS046-L-6 1114053054 8/22/2011 SO SGSA	SS046-R 11PH-SS046-R-12 1114053057 8/22/2011 SO SGSA	SS046-R 11PH-SS046-R-6 1114053056 8/22/2011 SO SGSA	SS047-L 11PH-SS047-L-12 1114053059 8/22/2011 SO SGSA	SS047-L 11PH-SS047-L-6 1114053058 8/22/2011 SO SGSA	SS047-R 11PH-SS047-R-12 1114053061 8/22/2011 SO SGSA	SS047-R 11PH-SS047-R-6 1114053060 8/22/2011 SO SGSA	SS047-R 11PH-SS047X-R-6 1114053076 8/22/2011 SO SGSA	SS048-L 11PH-SS048-L-12 1114053065 8/22/2011 SO SGSA	SS048-L 11PH-SS048-L-6 1114053064 8/22/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0543]	ND [0.0623]	ND [0.0563]	ND [0.0589]	ND [0.0572]	ND [0.0602]	ND [0.0568]	ND [0.0589]	ND [0.0581]	ND [0.0548]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0543]	ND [0.0623]	ND [0.0563]	ND [0.0589]	ND [0.0572]	ND [0.0602]	ND [0.0568]	ND [0.0589]	ND [0.0581]	ND [0.0548]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0543]	ND [0.0623]	ND [0.0563]	ND [0.0589]	ND [0.0572]	ND [0.0602]	ND [0.0568]	ND [0.0589]	ND [0.0581]	ND [0.0548]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0543]	ND [0.0623]	ND [0.0563]	ND [0.0589]	ND [0.0572]	ND [0.0602]	ND [0.0568]	ND [0.0589]	ND [0.0581]	ND [0.0548]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0543]	ND [0.0623]	ND [0.0563]	ND [0.0589]	ND [0.0572]	ND [0.0602]	ND [0.0568]	ND [0.0589]	ND [0.0581]	ND [0.0548]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0543]	ND [0.0623]	ND [0.0563]	ND [0.0589]	ND [0.0572]	ND [0.0602]	ND [0.0568]	ND [0.0589]	ND [0.0581]	ND [0.0548]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.198 [0.0543]	ND [0.0623]	0.175 [0.0563]	0.178 [0.0589]	0.224 [0.0572]	0.155 [0.0602]	0.209 [0.0568]	0.233 [0.0589]	0.207 [0.0581]	0.329 [0.0548]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS048-R 11PH-SS048-R-12 1114053067 8/22/2011 SO SGSA	SS048-R 11PH-SS048-R-6 1114053066 8/22/2011 SO SGSA	SS049-L 11PH-SS049-L-12 1114053069 8/22/2011 SO SGSA	SS049-L 11PH-SS049-L-6 1114053068 8/22/2011 SO SGSA	SS049-R 11PH-SS049-R-12 1114053071 8/22/2011 SO SGSA	SS049-R 11PH-SS049-R-6 1114053070 8/22/2011 SO SGSA	SS050-L 11PH-SS050-L-12 1114053073 8/22/2011 SO SGSA	SS050-L 11PH-SS050-L-6 1114053072 8/22/2011 SO SGSA	SS050-R 11PH-SS050-R-12 1114053075 8/22/2011 SO SGSA	SS050-R 11PH-SS050-R-6 1114053074 8/22/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0612]	ND [0.0569]	ND [0.0595]	ND [0.0557]	ND [0.0616]	ND [0.0565]	ND [0.0581]	ND [0.0539]	ND [0.0583]	ND [0.058]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0612]	ND [0.0569]	ND [0.0595]	ND [0.0557]	ND [0.0616]	ND [0.0565]	ND [0.0581]	ND [0.0539]	ND [0.0583]	ND [0.058]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0612]	ND [0.0569]	ND [0.0595]	ND [0.0557]	ND [0.0616]	ND [0.0565]	ND [0.0581]	ND [0.0539]	ND [0.0583]	ND [0.058]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0612]	ND [0.0569]	ND [0.0595]	ND [0.0557]	ND [0.0616]	ND [0.0565]	ND [0.0581]	ND [0.0539]	ND [0.0583]	ND [0.058]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0612]	ND [0.0569]	ND [0.0595]	ND [0.0557]	ND [0.0616]	ND [0.0565]	ND [0.0581]	ND [0.0539]	ND [0.0583]	ND [0.058]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0612]	ND [0.0569]	ND [0.0595]	ND [0.0557]	ND [0.0616]	ND [0.0565]	ND [0.0581]	ND [0.0539]	ND [0.0583]	ND [0.058]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.169 [0.0612]	0.344 [0.0569]	0.106 [0.0595]	0.337 [0.0557]	0.208 [0.0616]	0.223 [0.0565]	0.155 [0.0581]	0.29 [0.0539]	0.277 [0.0583]	0.235 [0.058]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS051-L 11PH-SS051-L-12 1114053078 8/22/2011 SO SGSA	SS051-L 11PH-SS051-L-6 1114053077 8/22/2011 SO SGSA	SS051-R 11PH-SS051-R-12 1114053080 8/22/2011 SO SGSA	SS051-R 11PH-SS051-R-6 1114053079 8/22/2011 SO SGSA	SS052-L 11PH-SS052-L-12 1114054004 8/22/2011 SO SGSA	SS052-L 11PH-SS052-L-6 1114054001 8/22/2011 SO SGSA	SS052-R 11PH-SS052-R-12 1114054006 8/22/2011 SO SGSA	SS052-R 11PH-SS052-R-6 1114054005 8/22/2011 SO SGSA	SS053-L 11PH-SS053-L-12 1114054008 8/22/2011 SO SGSA	SS053-L 11PH-SS053-L-6 1114054007 8/22/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0586]	ND [0.0541]	ND [0.0586]	ND [0.0551]	ND [0.0571]	ND [0.0558]	ND [0.057]	ND [0.0563]	ND [0.0558]	ND [0.0546]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0586]	ND [0.0541]	ND [0.0586]	ND [0.0551]	ND [0.0571]	ND [0.0558]	ND [0.057]	ND [0.0563]	ND [0.0558]	ND [0.0546]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0586]	ND [0.0541]	ND [0.0586]	ND [0.0551]	ND [0.0571]	ND [0.0558]	ND [0.057]	ND [0.0563]	ND [0.0558]	ND [0.0546]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0586]	ND [0.0541]	ND [0.0586]	ND [0.0551]	ND [0.0571]	ND [0.0558]	ND [0.057]	ND [0.0563]	ND [0.0558]	ND [0.0546]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0586]	ND [0.0541]	ND [0.0586]	ND [0.0551]	ND [0.0571]	ND [0.0558]	ND [0.057]	ND [0.0563]	ND [0.0558]	ND [0.0546]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0586]	ND [0.0541]	ND [0.0586]	ND [0.0551]	ND [0.0571]	ND [0.0558]	ND [0.057]	ND [0.0563]	ND [0.0558]	ND [0.0546]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.133 [0.0586]	0.288 [0.0541]	0.112 [0.0586]	0.23 [0.0551]	0.157 [0.0571]	0.159 [0.0558]	0.0456 [0.057] J	0.0951 [0.0563]	0.109 [0.0558]	0.0971 [0.0546]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS053-R 11PH-SS053-R-12 1114054010 8/22/2011 SO SGSA	SS053-R 11PH-SS053-R-6 1114054009 8/22/2011 SO SGSA	SS054-L 11PH-SS054-L-12 1114054012 8/22/2011 SO SGSA	SS054-L 11PH-SS054-L-6 1114054011 8/22/2011 SO SGSA	SS054-L 11PH-SS054X-L-6 1114054019 8/22/2011 SO SGSA	SS054-R 11PH-SS054-R-12 1114054014 8/22/2011 SO SGSA	SS054-R 11PH-SS054-R-6 1114054013 8/22/2011 SO SGSA	SS055-L 11PH-SS055-L-12 1114054016 8/22/2011 SO SGSA	SS055-L 11PH-SS055-L-6 1114054015 8/22/2011 SO SGSA	SS055-R 11PH-SS055-R-12 1114054018 8/22/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0564]	ND [0.0555]	ND [0.0566]	ND [0.0544]	ND [0.0553]	ND [0.0579]	ND [0.0566]	ND [0.0568]	ND [0.0543]	ND [0.0583]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0564]	ND [0.0555]	ND [0.0566]	ND [0.0544]	ND [0.0553]	ND [0.0579]	ND [0.0566]	ND [0.0568]	ND [0.0543]	ND [0.0583]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0564]	ND [0.0555]	ND [0.0566]	ND [0.0544]	ND [0.0553]	ND [0.0579]	ND [0.0566]	ND [0.0568]	ND [0.0543]	ND [0.0583]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0564]	ND [0.0555]	ND [0.0566]	ND [0.0544]	ND [0.0553]	ND [0.0579]	ND [0.0566]	ND [0.0568]	ND [0.0543]	ND [0.0583]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0564]	ND [0.0555]	ND [0.0566]	ND [0.0544]	ND [0.0553]	ND [0.0579]	ND [0.0566]	ND [0.0568]	ND [0.0543]	ND [0.0583]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0564]	ND [0.0555]	ND [0.0566]	ND [0.0544]	ND [0.0553]	ND [0.0579]	ND [0.0566]	ND [0.0568]	ND [0.0543]	ND [0.0583]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.0627 [0.0564]	0.0617 [0.0555]	0.156 [0.0566]	0.0942 [0.0544]	0.152 [0.0553]	ND [0.0579]	0.0327 [0.0566] J	0.124 [0.0568]	0.0797 [0.0543]	ND [0.0583]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS055-R 11PH-SS055-R-6 1114054017 8/22/2011 SO SGSA	SS056-L 11PH-SS056-L-12 1114054021 8/22/2011 SO SGSA	SS056-L 11PH-SS056-L-6 1114054020 8/22/2011 SO SGSA	SS056-R 11PH-SS056-R-12 1114054025 8/22/2011 SO SGSA	SS056-R 11PH-SS056-R-6 1114054024 8/22/2011 SO SGSA	SS057-L 11PH-SS057-L-12 1114054027 8/22/2011 SO SGSA	SS057-L 11PH-SS057-L-6 1114054026 8/22/2011 SO SGSA	SS057-L 11PH-SS057X-L-12 1114054044 8/22/2011 SO SGSA	SS057-R 11PH-SS057-R-12 1114054029 8/22/2011 SO SGSA	SS057-R 11PH-SS057-R-6 1114054028 8/22/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0536]	ND [0.0551]	ND [0.0543]	ND [0.0572]	ND [0.0561]	ND [0.0581]	ND [0.0547]	ND [0.0565]	ND [0.059]	ND [0.0548]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0536]	ND [0.0551]	ND [0.0543]	ND [0.0572]	ND [0.0561]	ND [0.0581]	ND [0.0547]	ND [0.0565]	ND [0.059]	ND [0.0548]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0536]	ND [0.0551]	ND [0.0543]	ND [0.0572]	ND [0.0561]	ND [0.0581]	ND [0.0547]	ND [0.0565]	ND [0.059]	ND [0.0548]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0536]	ND [0.0551]	ND [0.0543]	ND [0.0572]	ND [0.0561]	ND [0.0581]	ND [0.0547]	ND [0.0565]	ND [0.059]	ND [0.0548]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0536]	ND [0.0551]	ND [0.0543]	ND [0.0572]	ND [0.0561]	ND [0.0581]	ND [0.0547]	ND [0.0565]	ND [0.059]	ND [0.0548]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0536]	ND [0.0551]	ND [0.0543]	ND [0.0572]	ND [0.0561]	ND [0.0581]	ND [0.0547]	ND [0.0565]	ND [0.059]	ND [0.0548]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.217 [0.0536]	0.14 [0.0551]	0.0749 [0.0543]	ND [0.0572]	0.0698 [0.0561]	0.106 [0.0581]	0.0924 [0.0547]	0.143 [0.0565]	0.0289 [0.059] J	0.0902 [0.0548]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS058-L 11PH-SS058-L-12 1114054031 8/22/2011 SO SGSA	SS058-L 11PH-SS058-L-6 1114054030 8/22/2011 SO SGSA	SS058-R 11PH-SS058-R-12 1114054033 8/22/2011 SO SGSA	SS058-R 11PH-SS058-R-6 1114054032 8/22/2011 SO SGSA	SS059-L 11PH-SS059-L-12 1114054035 8/22/2011 SO SGSA	SS059-L 11PH-SS059-L-6 1114054034 8/22/2011 SO SGSA	SS059-R 11PH-SS059-R-12 1114054037 8/22/2011 SO SGSA	SS059-R 11PH-SS059-R-6 1114054036 8/22/2011 SO SGSA	SS060-L 11PH-SS060-L-12 1114054039 8/22/2011 SO SGSA	SS060-L 11PH-SS060-L-6 1114054038 8/22/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0572]	ND [0.0545]	ND [0.0597]	ND [0.057]	ND [0.0566]	ND [0.0563]	ND [0.0584]	ND [0.0602]	ND [0.0582]	ND [0.0553]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0572]	ND [0.0545]	ND [0.0597]	ND [0.057]	ND [0.0566]	ND [0.0563]	ND [0.0584]	ND [0.0602]	ND [0.0582]	ND [0.0553]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0572]	ND [0.0545]	ND [0.0597]	ND [0.057]	ND [0.0566]	ND [0.0563]	ND [0.0584]	ND [0.0602]	ND [0.0582]	ND [0.0553]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0572]	ND [0.0545]	ND [0.0597]	ND [0.057]	ND [0.0566]	ND [0.0563]	ND [0.0584]	ND [0.0602]	ND [0.0582]	ND [0.0553]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0572]	ND [0.0545]	ND [0.0597]	ND [0.057]	ND [0.0566]	ND [0.0563]	ND [0.0584]	ND [0.0602]	ND [0.0582]	ND [0.0553]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0572]	ND [0.0545]	ND [0.0597]	ND [0.057]	ND [0.0566]	ND [0.0563]	ND [0.0584]	ND [0.0602]	ND [0.0582]	ND [0.0553]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.211 [0.0572]	0.211 [0.0545]	ND [0.0597]	0.0633 [0.057]	0.249 [0.0566]	0.173 [0.0563]	0.106 [0.0584]	0.11 [0.0602]	0.215 [0.0582]	0.295 [0.0553]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS064-L 11PH-SS064-L-12 1114119016 8/23/2011 SO SGSA	SS069-L 11PH-SS069-L-12 1114121004 8/23/2011 SO SGSA	SS069-L 11PH-SS069-L-6 1114121001 8/23/2011 SO SGSA	SS069-R 11PH-SS069-R-12 1114121006 8/23/2011 SO SGSA	SS069-R 11PH-SS069-R-6 1114121005 8/23/2011 SO SGSA	SS069-R 11PH-SS069X-R-6 1114121011 8/23/2011 SO SGSA	SS070-L 11PH-SS070-L-12 1114121008 8/24/2011 SO SGSA	SS070-L 11PH-SS070-L-6 1114121007 8/24/2011 SO SGSA	SS070-R 11PH-SS070-R-12 1114121010 8/24/2011 SO SGSA	SS070-R 11PH-SS070-R-6 1114121009 8/24/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0589]	ND [0.0578] JTE	ND [0.0562] JTE	ND [0.0618] JTE	ND [0.0618] JTE	ND [0.0621] JTE	ND [0.0608] JTE	ND [0.0567] JTE	ND [0.061] JTE	ND [0.0598] JTE
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0589]	ND [0.0578] JTE	ND [0.0562] JTE	ND [0.0618] JTE	ND [0.0618] JTE	ND [0.0621] JTE	ND [0.0608] JTE	ND [0.0567] JTE	ND [0.061] JTE	ND [0.0598] JTE
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0589]	ND [0.0578] JTE	ND [0.0562] JTE	ND [0.0618] JTE	ND [0.0618] JTE	ND [0.0621] JTE	ND [0.0608] JTE	ND [0.0567] JTE	ND [0.061] JTE	ND [0.0598] JTE
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0589]	ND [0.0578] JTE	ND [0.0562] JTE	ND [0.0618] JTE	ND [0.0618] JTE	ND [0.0621] JTE	ND [0.0608] JTE	ND [0.0567] JTE	ND [0.061] JTE	ND [0.0598] JTE
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0589]	ND [0.0578] JTE	ND [0.0562] JTE	ND [0.0618] JTE	ND [0.0618] JTE	ND [0.0621] JTE	ND [0.0608] JTE	ND [0.0567] JTE	ND [0.061] JTE	ND [0.0598] JTE
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0589]	ND [0.0578] JTE	ND [0.0562] JTE	ND [0.0618] JTE	ND [0.0618] JTE	ND [0.0621] JTE	ND [0.0608] JTE	ND [0.0567] JTE	ND [0.061] JTE	ND [0.0598] JTE
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.0969 [0.0589]	0.139 [0.0578] JTE	0.345 [0.0562] JTE	0.135 [0.0618] JTE	0.129 [0.0618] JTE	0.155 [0.0621] JTE	ND [0.0608] JTE	0.154 [0.0567] JTE	0.0596 [0.061] JTE	0.167 [0.0598] JTE

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS071-L 11PH-SS071-L-12 1114121013 8/24/2011 SO SGSA	SS071-L 11PH-SS071-L-6 1114121012 8/24/2011 SO SGSA	SS071-R 11PH-SS071-R-12 1114121015 8/24/2011 SO SGSA	SS071-R 11PH-SS071-R-6 1114121014 8/24/2011 SO SGSA	SS072-L 11PH-SS072-L-12 1114121017 8/24/2011 SO SGSA	SS072-L 11PH-SS072-L-6 1114121016 8/24/2011 SO SGSA	SS072-R 11PH-SS072-R-12 1114121019 8/24/2011 SO SGSA	SS072-R 11PH-SS072-R-6 1114121018 8/24/2011 SO SGSA	SS073-L 11PH-SS073-L-12 1114121021 8/24/2011 SO SGSA	SS073-L 11PH-SS073-L-6 1114121020 8/24/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0621] JTE	ND [0.0564] JTE	ND [0.062] JTE	ND [0.0598] JTE	ND [0.0586] JTE	ND [0.0562] JTE	ND [0.0616] JTE	ND [0.06] JTE	ND [0.0581] JTE	ND [0.0563] JTE
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0621] JTE	ND [0.0564] JTE	ND [0.062] JTE	ND [0.0598] JTE	ND [0.0586] JTE	ND [0.0562] JTE	ND [0.0616] JTE	ND [0.06] JTE	ND [0.0581] JTE	ND [0.0563] JTE
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0621] JTE	ND [0.0564] JTE	ND [0.062] JTE	ND [0.0598] JTE	ND [0.0586] JTE	ND [0.0562] JTE	ND [0.0616] JTE	ND [0.06] JTE	ND [0.0581] JTE	ND [0.0563] JTE
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0621] JTE	ND [0.0564] JTE	ND [0.062] JTE	ND [0.0598] JTE	ND [0.0586] JTE	ND [0.0562] JTE	ND [0.0616] JTE	ND [0.06] JTE	ND [0.0581] JTE	ND [0.0563] JTE
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0621] JTE	ND [0.0564] JTE	ND [0.062] JTE	ND [0.0598] JTE	ND [0.0586] JTE	ND [0.0562] JTE	ND [0.0616] JTE	ND [0.06] JTE	ND [0.0581] JTE	ND [0.0563] JTE
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0621] JTE	ND [0.0564] JTE	ND [0.062] JTE	ND [0.0598] JTE	ND [0.0586] JTE	ND [0.0562] JTE	ND [0.0616] JTE	ND [0.06] JTE	ND [0.0581] JTE	ND [0.0563] JTE
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.0331 [0.0621] J, JTE	0.203 [0.0564] JTE	0.0441 [0.062] J, JTE	0.149 [0.0598] JTE	0.0912 [0.0586] JTE	0.362 [0.0562] JTE	0.11 [0.0616] JTE	0.243 [0.06] JTE	0.0516 [0.0581] J, JTE	0.223 [0.0563] JTE

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS073-R 11PH-SS073-R-12 1114121025 8/24/2011 SO SGSA	SS073-R 11PH-SS073-R-6 1114121024 8/24/2011 SO SGSA	SS074-L 11PH-SS074-L-12 1114121027 8/24/2011 SO SGSA	SS074-L 11PH-SS074-L-6 1114121026 8/24/2011 SO SGSA	SS074-R 11PH-SS074-R-12 1114121029 8/24/2011 SO SGSA	SS074-R 11PH-SS074-R-6 1114121028 8/24/2011 SO SGSA	SS075-L 11PH-SS075-L-12 1114121031 8/24/2011 SO SGSA	SS075-L 11PH-SS075-L-6 1114121030 8/24/2011 SO SGSA	SS075-L 11PH-SS075X-L-12 1114121034 8/24/2011 SO SGSA	SS075-R 11PH-SS075-R-12 1114121033 8/24/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0657] JTE	ND [0.0596] JTE	ND [0.0578] JTE	ND [0.0564] JTE	ND [0.0589] JTE	ND [0.0558] JTE	ND [0.0567] JTE	ND [0.0556] JTE	ND [0.0565] JTE	ND [0.0563] JTE
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0657] JTE	ND [0.0596] JTE	ND [0.0578] JTE	ND [0.0564] JTE	ND [0.0589] JTE	ND [0.0558] JTE	ND [0.0567] JTE	ND [0.0556] JTE	ND [0.0565] JTE	ND [0.0563] JTE
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0657] JTE	ND [0.0596] JTE	ND [0.0578] JTE	ND [0.0564] JTE	ND [0.0589] JTE	ND [0.0558] JTE	ND [0.0567] JTE	ND [0.0556] JTE	ND [0.0565] JTE	ND [0.0563] JTE
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0657] JTE	ND [0.0596] JTE	ND [0.0578] JTE	ND [0.0564] JTE	ND [0.0589] JTE	ND [0.0558] JTE	ND [0.0567] JTE	ND [0.0556] JTE	ND [0.0565] JTE	ND [0.0563] JTE
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0657] JTE	ND [0.0596] JTE	ND [0.0578] JTE	ND [0.0564] JTE	ND [0.0589] JTE	ND [0.0558] JTE	ND [0.0567] JTE	ND [0.0556] JTE	ND [0.0565] JTE	ND [0.0563] JTE
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0657] JTE	ND [0.0596] JTE	ND [0.0578] JTE	ND [0.0564] JTE	ND [0.0589] JTE	ND [0.0558] JTE	ND [0.0567] JTE	ND [0.0556] JTE	ND [0.0565] JTE	ND [0.0563] JTE
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.0409 [0.0657] J, JTE	0.154 [0.0596] JTE	0.0411 [0.0578] J, JTE	0.193 [0.0564] JTE	0.0445 [0.0589] J, JTE	0.0893 [0.0558] JTE	0.0479 [0.0567] J, JTE	0.121 [0.0556] JTE	0.0528 [0.0565] J, JTE	0.13 [0.0563] JTE

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS075-R 11PH-SS075-R-6 1114121032 8/24/2011 SO SGSA	SS076-L 11PH-SS076-L-12 1114121036 8/24/2011 SO SGSA	SS076-L 11PH-SS076-L-6 1114121035 8/24/2011 SO SGSA	SS076-L 11PH-SS076-L-6 1114121057 8/24/2011 SO SGSA	SS076-R 11PH-SS076-R-12 1114121038 8/24/2011 SO SGSA	SS076-R 11PH-SS076-R-6 1114121037 8/24/2011 SO SGSA	SS077-L 11PH-SS077-L-12 1114121040 8/24/2011 SO SGSA	SS077-L 11PH-SS077-L-6 1114121039 8/24/2011 SO SGSA	SS077-R 11PH-SS077-R-12 1114121044 8/24/2011 SO SGSA	SS077-R 11PH-SS077-R-6 1114121041 8/24/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0567] JTE	ND [0.0555] JTE	ND [0.0549] JTE	ND [0.0559] JTE	ND [0.0585] JTE	ND [0.0566] JTE	ND [0.0568] JTE	ND [0.0556] JTE	ND [0.0629] JTE	ND [0.0588] JTE
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0567] JTE	ND [0.0555] JTE	ND [0.0549] JTE	ND [0.0559] JTE	ND [0.0585] JTE	ND [0.0566] JTE	ND [0.0568] JTE	ND [0.0556] JTE	ND [0.0629] JTE	ND [0.0588] JTE
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0567] JTE	ND [0.0555] JTE	ND [0.0549] JTE	ND [0.0559] JTE	ND [0.0585] JTE	ND [0.0566] JTE	ND [0.0568] JTE	ND [0.0556] JTE	ND [0.0629] JTE	ND [0.0588] JTE
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0567] JTE	ND [0.0555] JTE	ND [0.0549] JTE	ND [0.0559] JTE	ND [0.0585] JTE	ND [0.0566] JTE	ND [0.0568] JTE	ND [0.0556] JTE	ND [0.0629] JTE	ND [0.0588] JTE
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0567] JTE	ND [0.0555] JTE	ND [0.0549] JTE	ND [0.0559] JTE	ND [0.0585] JTE	ND [0.0566] JTE	ND [0.0568] JTE	ND [0.0556] JTE	ND [0.0629] JTE	ND [0.0588] JTE
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0567] JTE	ND [0.0555] JTE	ND [0.0549] JTE	ND [0.0559] JTE	ND [0.0585] JTE	ND [0.0566] JTE	ND [0.0568] JTE	ND [0.0556] JTE	ND [0.0629] JTE	ND [0.0588] JTE
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.149 [0.0567] JTE	0.0444 [0.0555] JTE	0.166 [0.0549] JTE	0.171 [0.0559] JTE	0.0598 [0.0585] JTE	0.151 [0.0566] JTE	0.058 [0.0568] JTE	0.183 [0.0556] JTE	0.0643 [0.0629] JTE	0.17 [0.0588] JTE

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS078-L 11PH-SS078-L-12 1114121046 8/24/2011 SO SGSA	SS078-L 11PH-SS078-L-6 1114121045 8/24/2011 SO SGSA	SS078-R 11PH-SS078-R-12 1114121048 8/24/2011 SO SGSA	SS078-R 11PH-SS078-R-6 1114121047 8/24/2011 SO SGSA	SS079-L 11PH-SS079-L-12 1114121050 8/24/2011 SO SGSA	SS079-L 11PH-SS079-L-6 1114121049 8/24/2011 SO SGSA	SS079-R 11PH-SS079-R-12 1114121052 8/24/2011 SO SGSA	SS079-R 11PH-SS079-R-6 1114121051 8/24/2011 SO SGSA	SS080-L 11PH-SS080-L-12 1114121054 8/24/2011 SO SGSA	SS080-L 11PH-SS080-L-6 1114121053 8/24/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0553] JTE	ND [0.0547] JTE	ND [0.0621] JTE	ND [0.0585] JTE	ND [0.0553] JTE	ND [0.0549] JTE	ND [0.063] JTE	ND [0.0597] JTE	ND [0.0567] JTE	ND [0.0579] JTE
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0553] JTE	ND [0.0547] JTE	ND [0.0621] JTE	ND [0.0585] JTE	ND [0.0553] JTE	ND [0.0549] JTE	ND [0.063] JTE	ND [0.0597] JTE	ND [0.0567] JTE	ND [0.0579] JTE
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0553] JTE	ND [0.0547] JTE	ND [0.0621] JTE	ND [0.0585] JTE	ND [0.0553] JTE	ND [0.0549] JTE	ND [0.063] JTE	ND [0.0597] JTE	ND [0.0567] JTE	ND [0.0579] JTE
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0553] JTE	ND [0.0547] JTE	ND [0.0621] JTE	ND [0.0585] JTE	ND [0.0553] JTE	ND [0.0549] JTE	ND [0.063] JTE	ND [0.0597] JTE	ND [0.0567] JTE	ND [0.0579] JTE
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0553] JTE	ND [0.0547] JTE	ND [0.0621] JTE	ND [0.0585] JTE	ND [0.0553] JTE	ND [0.0549] JTE	ND [0.063] JTE	ND [0.0597] JTE	ND [0.0567] JTE	ND [0.0579] JTE
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0553] JTE	ND [0.0547] JTE	ND [0.0621] JTE	ND [0.0585] JTE	ND [0.0553] JTE	ND [0.0549] JTE	ND [0.063] JTE	ND [0.0597] JTE	ND [0.0567] JTE	ND [0.0579] JTE
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.0934 [0.0553] JTE	0.221 [0.0547] JTE	0.19 [0.0621] JTE	0.166 [0.0585] JTE	0.0934 [0.0553] JTE	0.254 [0.0549] JTE	0.131 [0.063] JTE	0.122 [0.0597] JTE	0.353 [0.0567] JTE	0.273 [0.0579] JTE

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS080-R 11PH-SS080-R-12 1114121056 8/24/2011 SO SGSA	SS080-R 11PH-SS080-R-6 1114121055 8/24/2011 SO SGSA	SS081-L 11PH-SS081-L-12 1114121059 8/24/2011 SO SGSA	SS081-L 11PH-SS081-L-6 1114121058 8/24/2011 SO SGSA	SS081-R 11PH-SS081-R-12 1114121061 8/24/2011 SO SGSA	SS081-R 11PH-SS081-R-6 1114121060 8/24/2011 SO SGSA	SS082-L 11PH-SS082-L-12 1114121065 8/24/2011 SO SGSA	SS082-L 11PH-SS082-L-6 1114121064 8/24/2011 SO SGSA	SS082-L 11PH-SS082X-L-12 1114121080 8/24/2011 SO SGSA	SS082-R 11PH-SS082-R-12 1114121067 8/24/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0562] JTE	ND [0.0594] JTE	ND [0.0565] JTE	ND [0.0551] JTE	ND [0.0581] JTE	ND [0.0563] JTE	ND [0.0568] JTE	ND [0.0553] JTE	ND [0.0564] JTE	ND [0.0583] JTE
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0562] JTE	ND [0.0594] JTE	ND [0.0565] JTE	ND [0.0551] JTE	ND [0.0581] JTE	ND [0.0563] JTE	ND [0.0568] JTE	ND [0.0553] JTE	ND [0.0564] JTE	ND [0.0583] JTE
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0562] JTE	ND [0.0594] JTE	ND [0.0565] JTE	ND [0.0551] JTE	ND [0.0581] JTE	ND [0.0563] JTE	ND [0.0568] JTE	ND [0.0553] JTE	ND [0.0564] JTE	ND [0.0583] JTE
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0562] JTE	ND [0.0594] JTE	ND [0.0565] JTE	ND [0.0551] JTE	ND [0.0581] JTE	ND [0.0563] JTE	ND [0.0568] JTE	ND [0.0553] JTE	ND [0.0564] JTE	ND [0.0583] JTE
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0562] JTE	ND [0.0594] JTE	ND [0.0565] JTE	ND [0.0551] JTE	ND [0.0581] JTE	ND [0.0563] JTE	ND [0.0568] JTE	ND [0.0553] JTE	ND [0.0564] JTE	ND [0.0583] JTE
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0562] JTE	ND [0.0594] JTE	ND [0.0565] JTE	ND [0.0551] JTE	ND [0.0581] JTE	ND [0.0563] JTE	ND [0.0568] JTE	ND [0.0553] JTE	ND [0.0564] JTE	ND [0.0583] JTE
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.0925 [0.0562] JTE	0.161 [0.0594] JTE	0.0829 [0.0565] JTE	0.529 [0.0551] JTE	0.111 [0.0581] JTE	0.273 [0.0563] JTE	0.124 [0.0568] JTE	0.31 [0.0553] JTE	0.12 [0.0564] JTE	0.114 [0.0583] JTE

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS082-R 11PH-SS082-R-6 1114121066 8/24/2011 SO SGSA	SS083-L 11PH-SS083-L-12 1114121069 8/24/2011 SO SGSA	SS083-L 11PH-SS083-L-6 1114121068 8/24/2011 SO SGSA	SS083-R 11PH-SS083-R-12 1114121071 8/24/2011 SO SGSA	SS083-R 11PH-SS083-R-6 1114121070 8/24/2011 SO SGSA	SS084-L 11PH-SS084-L-12 1114121073 8/24/2011 SO SGSA	SS084-L 11PH-SS084-L-6 1114121072 8/24/2011 SO SGSA	SS084-R 11PH-SS084-R-12 1114121075 8/24/2011 SO SGSA	SS084-R 11PH-SS084-R-6 1114121074 8/24/2011 SO SGSA	SS085-L 11PH-SS085-L-12 1114121077 8/24/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0557] JTE	ND [0.0583] JTE	ND [0.0551] JTE	ND [0.0605] JTE	ND [0.0573] JTE	ND [0.0577] JTE	ND [0.054] JTE	ND [0.0581] JTE	ND [0.0554] JTE	ND [0.0584] JTE
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0557] JTE	ND [0.0583] JTE	ND [0.0551] JTE	ND [0.0605] JTE	ND [0.0573] JTE	ND [0.0577] JTE	ND [0.054] JTE	ND [0.0581] JTE	ND [0.0554] JTE	ND [0.0584] JTE
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0557] JTE	ND [0.0583] JTE	ND [0.0551] JTE	ND [0.0605] JTE	ND [0.0573] JTE	ND [0.0577] JTE	ND [0.054] JTE	ND [0.0581] JTE	ND [0.0554] JTE	ND [0.0584] JTE
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0557] JTE	ND [0.0583] JTE	ND [0.0551] JTE	ND [0.0605] JTE	ND [0.0573] JTE	ND [0.0577] JTE	ND [0.054] JTE	ND [0.0581] JTE	ND [0.0554] JTE	ND [0.0584] JTE
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0557] JTE	ND [0.0583] JTE	ND [0.0551] JTE	ND [0.0605] JTE	ND [0.0573] JTE	ND [0.0577] JTE	ND [0.054] JTE	ND [0.0581] JTE	ND [0.0554] JTE	ND [0.0584] JTE
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0557] JTE	ND [0.0583] JTE	ND [0.0551] JTE	ND [0.0605] JTE	ND [0.0573] JTE	ND [0.0577] JTE	ND [0.054] JTE	ND [0.0581] JTE	ND [0.0554] JTE	ND [0.0584] JTE
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.173 [0.0557] JTE	0.169 [0.0583] JTE	0.641 [0.0551] JTE	0.113 [0.0605] JTE	0.298 [0.0573] JTE	0.108 [0.0577] JTE	0.389 [0.054] JTE	0.297 [0.0581] JTE	0.502 [0.0554] JTE	0.272 [0.0584] JTE

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS085-L 11PH-SS085-L-6 1114121076 8/24/2011 SO SGSA	SS085-R 11PH-SS085-R-12 1114121079 8/24/2011 SO SGSA	SS085-R 11PH-SS085-R-6 1114121078 8/24/2011 SO SGSA	SS086-L 11PH-SS086-L-12 1114121084 8/24/2011 SO SGSA	SS086-L 11PH-SS086-L-6 1114121081 8/24/2011 SO SGSA	SS086-R 11PH-SS086-R-12 1114121086 8/24/2011 SO SGSA	SS086-R 11PH-SS086-R-6 1114121085 8/24/2011 SO SGSA	SS087-L 11PH-SS087-L-12 1114121088 8/24/2011 SO SGSA	SS087-L 11PH-SS087-L-6 1114121087 8/24/2011 SO SGSA	SS087-R 11PH-SS087-R-12 1114121090 8/24/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0549] JTE	ND [0.0581] JTE	ND [0.0565] JTE	ND [0.0577] JTE	ND [0.0547] JTE	ND [0.0579] JTE	ND [0.0556] JTE	ND [0.0575] JTE	ND [0.0553] JTE	ND [0.0574] JTE
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0549] JTE	ND [0.0581] JTE	ND [0.0565] JTE	ND [0.0577] JTE	ND [0.0547] JTE	ND [0.0579] JTE	ND [0.0556] JTE	ND [0.0575] JTE	ND [0.0553] JTE	ND [0.0574] JTE
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0549] JTE	ND [0.0581] JTE	ND [0.0565] JTE	ND [0.0577] JTE	ND [0.0547] JTE	ND [0.0579] JTE	ND [0.0556] JTE	ND [0.0575] JTE	ND [0.0553] JTE	ND [0.0574] JTE
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0549] JTE	ND [0.0581] JTE	ND [0.0565] JTE	ND [0.0577] JTE	ND [0.0547] JTE	ND [0.0579] JTE	ND [0.0556] JTE	ND [0.0575] JTE	ND [0.0553] JTE	ND [0.0574] JTE
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0549] JTE	ND [0.0581] JTE	ND [0.0565] JTE	ND [0.0577] JTE	ND [0.0547] JTE	ND [0.0579] JTE	ND [0.0556] JTE	ND [0.0575] JTE	ND [0.0553] JTE	ND [0.0574] JTE
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0549] JTE	ND [0.0581] JTE	ND [0.0565] JTE	ND [0.0577] JTE	ND [0.0547] JTE	ND [0.0579] JTE	ND [0.0556] JTE	ND [0.0575] JTE	ND [0.0553] JTE	ND [0.0574] JTE
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.466 [0.0549] JTE	0.429 [0.0581] JTE	0.339 [0.0565] JTE	0.313 [0.0577] JTE	0.671 [0.0547] JTE	0.378 [0.0579] JTE	0.438 [0.0556] JTE	0.363 [0.0575] JTE	0.494 [0.0553] JTE	0.786 [0.0574] JTE

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS087-R 11PH-SS087-R-6 1114121089 8/24/2011 SO SGSA	SS088-L 11PH-SS088-L-12 1114121092 8/24/2011 SO SGSA	SS088-L 11PH-SS088-L-6 1114121091 8/24/2011 SO SGSA	SS088-R 11PH-SS088-R-06 1114121093 8/24/2011 SO SGSA	SS088-R 11PH-SS088-R-12 1114121094 8/24/2011 SO SGSA	SS088-R 11PH-SS088X-R-12 1114121105 8/24/2011 SO SGSA	SS089-L 11PH-SS089-L-12 1114121096 8/24/2011 SO SGSA	SS089-L 11PH-SS089-L-6 1114121095 8/24/2011 SO SGSA	SS089-R 11PH-SS089-R-12 1114121098 8/24/2011 SO SGSA	SS089-R 11PH-SS089-R-6 1114121097 8/24/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0568] JTE	ND [0.058] JTE	ND [0.0554] JTE	ND [0.0572] JTE	ND [0.0582] JTE	ND [0.0586] JTE	ND [0.0571] JTE	ND [0.0572] JTE	ND [0.06] JTE	ND [0.0615] JTE
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0568] JTE	ND [0.058] JTE	ND [0.0554] JTE	ND [0.0572] JTE	ND [0.0582] JTE	ND [0.0586] JTE	ND [0.0571] JTE	ND [0.0572] JTE	ND [0.06] JTE	ND [0.0615] JTE
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0568] JTE	ND [0.058] JTE	ND [0.0554] JTE	ND [0.0572] JTE	ND [0.0582] JTE	ND [0.0586] JTE	ND [0.0571] JTE	ND [0.0572] JTE	ND [0.06] JTE	ND [0.0615] JTE
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0568] JTE	ND [0.058] JTE	ND [0.0554] JTE	ND [0.0572] JTE	ND [0.0582] JTE	ND [0.0586] JTE	ND [0.0571] JTE	ND [0.0572] JTE	ND [0.06] JTE	ND [0.0615] JTE
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0568] JTE	ND [0.058] JTE	ND [0.0554] JTE	ND [0.0572] JTE	ND [0.0582] JTE	ND [0.0586] JTE	ND [0.0571] JTE	ND [0.0572] JTE	ND [0.06] JTE	ND [0.0615] JTE
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0568] JTE	ND [0.058] JTE	ND [0.0554] JTE	ND [0.0572] JTE	ND [0.0582] JTE	ND [0.0586] JTE	ND [0.0571] JTE	ND [0.0572] JTE	ND [0.06] JTE	ND [0.0615] JTE
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	2 [0.0568] JTE	0.472 [0.058] JTE	0.869 [0.0554] JTE	1.04 [0.0572] JTE	1.01 [0.0582] JTE	0.976 [0.0586] JTE	0.896 [0.0571] JTE	1.06 [0.0572] JTE	0.571 [0.06] JTE	0.459 [0.0615] JTE

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS090-L 11PH-SS090-L-12 1114121100 8/24/2011 SO SGSA	SS090-L 11PH-SS090-L-6 1114121099 8/24/2011 SO SGSA	SS090-R 11PH-SS090-R-12 1114121104 8/24/2011 SO SGSA	SS090-R 11PH-SS090-R-6 1114121101 8/24/2011 SO SGSA	GP040+00 11PH-GP040-C-0-2 1114545072 9/15/2011 SO SGSA	GP040+00 11PH-GP040-C-2-4 1114545073 9/15/2011 SO SGSA	GP040+00 11PH-GP040-C-4-6 1114545074 9/15/2011 SO SGSA	GP040+00 11PH-GP040-C-6-8 1114545075 9/15/2011 SO SGSA	GP040+00 11PH-GP040-C-8-10 1114545078 9/15/2011 SO SGSA	GP046+00 11PH-GP046-C-0-2 1114545067 9/14/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0595] JTE	ND [0.0615] JTE	ND [0.0582] JTE	ND [0.0603] JTE	ND [0.057]	ND [0.0545]	ND [0.055]	ND [0.0555]	ND [0.0564]	ND [0.0578]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0595] JTE	ND [0.0615] JTE	ND [0.0582] JTE	ND [0.0603] JTE	ND [0.057]	ND [0.0545]	ND [0.055]	ND [0.0555]	ND [0.0564]	ND [0.0578]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0595] JTE	ND [0.0615] JTE	ND [0.0582] JTE	ND [0.0603] JTE	ND [0.057]	ND [0.0545]	ND [0.055]	ND [0.0555]	ND [0.0564]	ND [0.0578]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0595] JTE	ND [0.0615] JTE	ND [0.0582] JTE	ND [0.0603] JTE	ND [0.057]	ND [0.0545]	ND [0.055]	ND [0.0555]	ND [0.0564]	ND [0.0578]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0595] JTE	ND [0.0615] JTE	ND [0.0582] JTE	ND [0.0603] JTE	ND [0.057]	ND [0.0545]	ND [0.055]	ND [0.0555]	ND [0.0564]	ND [0.0578]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0595] JTE	ND [0.0615] JTE	ND [0.0582] JTE	ND [0.0603] JTE	ND [0.057]	ND [0.0545]	ND [0.055]	ND [0.0555]	ND [0.0564]	ND [0.0578]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.03 [0.298] JTE	0.993 [0.0615] JTE	1.69 [0.0582] JTE	1.13 [0.0603] JTE	0.0228 [0.057] J	ND [0.0545]	ND [0.055]	ND [0.0555]	ND [0.0564]	0.0257 [0.0578] J

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				GP046+00 11PH-GP046-C-2-4 1114545068 9/14/2011 SO SGSA	GP046+00 11PH-GP046-C-4-6 1114545069 9/14/2011 SO SGSA	GP046+00 11PH-GP046-C-6-8 1114545070 9/14/2011 SO SGSA	GP046+00 11PH-GP046X-C-6-8 1114545071 9/14/2011 SO SGSA	GP050+00 11PH-GP050-C-0-2 1114545060 9/14/2011 SO SGSA	GP050+00 11PH-GP050-C-10-12 1114545066 9/14/2011 SO SGSA	GP050+00 11PH-GP050-C-2-4 1114545061 9/14/2011 SO SGSA	GP050+00 11PH-GP050-C-4-6 1114545062 9/14/2011 SO SGSA	GP050+00 11PH-GP050-C-6-8 1114545064 9/14/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0633]	ND [0.0581]	ND [0.068]	ND [0.0644]	ND [0.0594]	ND [0.0577]	ND [0.0659]	ND [0.0582]	ND [0.0578]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0633]	ND [0.0581]	ND [0.068]	ND [0.0644]	ND [0.0594]	ND [0.0577]	ND [0.0659]	ND [0.0582]	ND [0.0578]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0633]	ND [0.0581]	ND [0.068]	ND [0.0644]	ND [0.0594]	ND [0.0577]	ND [0.0659]	ND [0.0582]	ND [0.0578]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0633]	ND [0.0581]	ND [0.068]	ND [0.0644]	ND [0.0594]	ND [0.0577]	ND [0.0659]	ND [0.0582]	ND [0.0578]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0633]	ND [0.0581]	ND [0.068]	ND [0.0644]	ND [0.0594]	ND [0.0577]	ND [0.0659]	ND [0.0582]	ND [0.0578]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0633]	ND [0.0581]	ND [0.068]	ND [0.0644]	ND [0.0594]	ND [0.0577]	ND [0.0659]	ND [0.0582]	ND [0.0578]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	ND [0.0633]	ND [0.0581]	ND [0.068]	ND [0.0644]	0.0264 [0.0594] J	ND [0.0577]	ND [0.0659]	0.0207 [0.0582] J	ND [0.0578]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				GP050+00 11PH-GP050-C-8-10 1114545065 9/14/2011 SO SGSA	GP050+00 11PH-GP050X-C-4-6 1114545063 9/14/2011 SO SGSA	GP055+50 11PH-GP055-C-0-2 1114545054 9/14/2011 SO SGSA	GP055+50 11PH-GP055-C-10-11 1114545059 9/14/2011 SO SGSA	GP055+50 11PH-GP055-C-2-4 1114545055 9/14/2011 SO SGSA	GP055+50 11PH-GP055-C-4-6 1114545056 9/14/2011 SO SGSA	GP055+50 11PH-GP055-C-6-8 1114545057 9/14/2011 SO SGSA	GP055+50 11PH-GP055-C-8-10 1114545058 9/14/2011 SO SGSA	GP060+00 11PH-GP060-C-0-2 1114545050 9/14/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0574]	ND [0.0581]	ND [0.0572]	ND [0.0635]	ND [0.0575]	ND [0.0613]	ND [0.0746]	ND [0.0729]	ND [0.0569]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0574]	ND [0.0581]	ND [0.0572]	ND [0.0635]	ND [0.0575]	ND [0.0613]	ND [0.0746]	ND [0.0729]	ND [0.0569]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0574]	ND [0.0581]	ND [0.0572]	ND [0.0635]	ND [0.0575]	ND [0.0613]	ND [0.0746]	ND [0.0729]	ND [0.0569]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0574]	ND [0.0581]	ND [0.0572]	ND [0.0635]	ND [0.0575]	ND [0.0613]	ND [0.0746]	ND [0.0729]	ND [0.0569]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0574]	ND [0.0581]	ND [0.0572]	ND [0.0635]	ND [0.0575]	ND [0.0613]	ND [0.0746]	ND [0.0729]	ND [0.0569]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0574]	ND [0.0581]	ND [0.0572]	ND [0.0635]	ND [0.0575]	ND [0.0613]	ND [0.0746]	ND [0.0729]	ND [0.0569]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	ND [0.0574]	ND [0.0581]	ND [0.0572]	ND [0.0635]	ND [0.0575]	0.0218 [0.0613] J	ND [0.0746]	ND [0.0729]	0.0253 [0.0569] J

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				GP060+00 11PH-GP060-C-2-4 1114545051 9/14/2011 SO SGSA	GP060+00 11PH-GP060-C-4-6 1114545052 9/14/2011 SO SGSA	GP060+00 11PH-GP060-C-6-8 1114545053 9/14/2011 SO SGSA	GP065+00 11PH-GP065-C-0-2 1114545046 9/14/2011 SO SGSA	GP065+00 11PH-GP065-C-2-4 1114545047 9/14/2011 SO SGSA	GP065+00 11PH-GP065-C-4-6 1114545048 9/14/2011 SO SGSA	GP065+00 11PH-GP065-C-6-8 1114545049 9/14/2011 SO SGSA	GP070+00 11PH-GP070-C-0-2 1114545038 9/14/2011 SO SGSA	GP070+00 11PH-GP070-C-10-12 1114545045 9/14/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.06]	ND [0.0568]	ND [0.0578]	ND [0.0551]	ND [0.0635]	ND [0.0584]	ND [0.0561]	ND [0.057]	ND [0.0626]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.06]	ND [0.0568]	ND [0.0578]	ND [0.0551]	ND [0.0635]	ND [0.0584]	ND [0.0561]	ND [0.057]	ND [0.0626]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.06]	ND [0.0568]	ND [0.0578]	ND [0.0551]	ND [0.0635]	ND [0.0584]	ND [0.0561]	ND [0.057]	ND [0.0626]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.06]	ND [0.0568]	ND [0.0578]	ND [0.0551]	ND [0.0635]	ND [0.0584]	ND [0.0561]	ND [0.057]	ND [0.0626]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.06]	ND [0.0568]	ND [0.0578]	ND [0.0551]	ND [0.0635]	ND [0.0584]	ND [0.0561]	ND [0.057]	ND [0.0626]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.06]	ND [0.0568]	ND [0.0578]	ND [0.0551]	ND [0.0635]	ND [0.0584]	ND [0.0561]	ND [0.057]	ND [0.0626]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	ND [0.06]	ND [0.0568]	ND [0.0578]	0.247 [0.0551]	ND [0.0635]	0.169 [0.0584]	ND [0.0561]	ND [0.057]	ND [0.0626]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				GP070+00 11PH-GP070-C-2-4 1114545039 9/14/2011 SO SGSA	GP070+00 11PH-GP070-C-4-6 1114545042 9/14/2011 SO SGSA	GP070+00 11PH-GP070-C-6-8 1114545043 9/14/2011 SO SGSA	GP070+00 11PH-GP070-C-8-10 1114545044 9/14/2011 SO SGSA	GP075+00 11PH-GP075-C-0-2 1114545030 9/14/2011 SO SGSA	GP075+00 11PH-GP075-C-10-12 1114545035 9/14/2011 SO SGSA	GP075+00 11PH-GP075-C-12-14 1114545036 9/14/2011 SO SGSA	GP075+00 11PH-GP075-C-14-16 1114545037 9/14/2011 SO SGSA	GP075+00 11PH-GP075-C-2-4 1114545031 9/14/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0582]	ND [0.0571]	ND [0.0558]	ND [0.0659]	ND [0.0555]	ND [0.0667]	ND [0.0615]	ND [0.0603]	ND [0.0564]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0582]	ND [0.0571]	ND [0.0558]	ND [0.0659]	ND [0.0555]	ND [0.0667]	ND [0.0615]	ND [0.0603]	ND [0.0564]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0582]	ND [0.0571]	ND [0.0558]	ND [0.0659]	ND [0.0555]	ND [0.0667]	ND [0.0615]	ND [0.0603]	ND [0.0564]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0582]	ND [0.0571]	ND [0.0558]	ND [0.0659]	ND [0.0555]	ND [0.0667]	ND [0.0615]	ND [0.0603]	ND [0.0564]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0582]	ND [0.0571]	ND [0.0558]	ND [0.0659]	ND [0.0555]	ND [0.0667]	ND [0.0615]	ND [0.0603]	ND [0.0564]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0582]	ND [0.0571]	ND [0.0558]	ND [0.0659]	ND [0.0555]	ND [0.0667]	ND [0.0615]	ND [0.0603]	ND [0.0564]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	ND [0.0582]	ND [0.0571]	ND [0.0558]	ND [0.0659]	0.18 [0.0555]	ND [0.0667]	ND [0.0615]	ND [0.0603]	ND [0.0564]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				GP075+00 11PH-GP075-C-4-6 1114545032 9/14/2011 SO SGSA	GP075+00 11PH-GP075-C-6-8 1114545033 9/14/2011 SO SGSA	GP075+00 11PH-GP075-C-8-10 1114545034 9/14/2011 SO SGSA	GP079+50 11PH-GP079-C-0-2 1114545021 9/14/2011 SO SGSA	GP079+50 11PH-GP079-C-10-12 1114545027 9/14/2011 SO SGSA	GP079+50 11PH-GP079-C-12-14 1114545028 9/14/2011 SO SGSA	GP079+50 11PH-GP079-C-14-16 1114545029 9/14/2011 SO SGSA	GP079+50 11PH-GP079-C-2-4 1114545023 9/14/2011 SO SGSA	GP079+50 11PH-GP079-C-4-6 1114545024 9/14/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0569]	ND [0.0648]	ND [0.073]	ND [0.0553]	ND [0.0728]	ND [0.0638]	ND [0.0692]	ND [0.0589]	ND [0.057]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0569]	ND [0.0648]	ND [0.073]	ND [0.0553]	ND [0.0728]	ND [0.0638]	ND [0.0692]	ND [0.0589]	ND [0.057]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0569]	ND [0.0648]	ND [0.073]	ND [0.0553]	ND [0.0728]	ND [0.0638]	ND [0.0692]	ND [0.0589]	ND [0.057]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0569]	ND [0.0648]	ND [0.073]	ND [0.0553]	ND [0.0728]	ND [0.0638]	ND [0.0692]	ND [0.0589]	ND [0.057]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0569]	ND [0.0648]	ND [0.073]	ND [0.0553]	ND [0.0728]	ND [0.0638]	ND [0.0692]	ND [0.0589]	ND [0.057]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0569]	ND [0.0648]	ND [0.073]	ND [0.0553]	ND [0.0728]	ND [0.0638]	ND [0.0692]	ND [0.0589]	ND [0.057]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.0329 [0.0569] J	ND [0.0648]	ND [0.073]	0.42 [0.0553]	ND [0.0728]	ND [0.0638]	ND [0.0692]	0.0419 [0.0589] J	0.033 [0.057] J

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				GP079+50 11PH-GP079-C-6-8 1114545025 9/14/2011 SO SGSA	GP079+50 11PH-GP079-C-8-10 1114545026 9/14/2011 SO SGSA	GP079+50 11PH-GP079X-C-0-2 1114545022 9/14/2011 SO SGSA	GP085+00 11PH-GP085-C-0-2 1114545015 9/13/2011 SO SGSA	GP085+00 11PH-GP085-C-10-12 1114545020 9/13/2011 SO SGSA	GP085+00 11PH-GP085-C-2-4 1114545016 9/13/2011 SO SGSA	GP085+00 11PH-GP085-C-4-6 1114545017 9/13/2011 SO SGSA	GP085+00 11PH-GP085-C-6-8 1114545018 9/13/2011 SO SGSA	GP085+00 11PH-GP085-C-8-10 1114545019 9/13/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0586]	ND [0.0657]	ND [0.0573]	ND [0.0601]	ND [0.0565]	ND [0.0593]	ND [0.0717]	ND [0.0597]	ND [0.0634]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0586]	ND [0.0657]	ND [0.0573]	ND [0.0601]	ND [0.0565]	ND [0.0593]	ND [0.0717]	ND [0.0597]	ND [0.0634]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0586]	ND [0.0657]	ND [0.0573]	ND [0.0601]	ND [0.0565]	ND [0.0593]	ND [0.0717]	ND [0.0597]	ND [0.0634]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0586]	ND [0.0657]	ND [0.0573]	ND [0.0601]	ND [0.0565]	ND [0.0593]	ND [0.0717]	ND [0.0597]	ND [0.0634]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0586]	ND [0.0657]	ND [0.0573]	ND [0.0601]	ND [0.0565]	ND [0.0593]	ND [0.0717]	ND [0.0597]	ND [0.0634]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0586]	ND [0.0657]	ND [0.0573]	ND [0.0601]	ND [0.0565]	ND [0.0593]	ND [0.0717]	ND [0.0597]	ND [0.0634]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	ND [0.0586]	ND [0.0657]	0.471 [0.0573]	0.0374 [0.0601] J	ND [0.0565]	ND [0.0593]	ND [0.0717]	ND [0.0597]	ND [0.0634]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				GP089+00 11PH-GP089-C-0-2 1114545007 9/13/2011 SO SGSA	GP089+00 11PH-GP089-C-10-12 1114545012 9/13/2011 SO SGSA	GP089+00 11PH-GP089-C-12-14 1114545013 9/13/2011 SO SGSA	GP089+00 11PH-GP089-C-14-16 1114545014 9/13/2011 SO SGSA	GP089+00 11PH-GP089-C-2-4 1114545008 9/13/2011 SO SGSA	GP089+00 11PH-GP089-C-4-6 1114545009 9/13/2011 SO SGSA	GP089+00 11PH-GP089-C-6-8 1114545010 9/13/2011 SO SGSA	GP089+00 11PH-GP089-C-8-10 1114545011 9/13/2011 SO SGSA	GP092+50 11PH-GP092-C-0-2 1114545001 9/13/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0527]	ND [0.0538]	ND [0.0555]	ND [0.0539]	ND [0.0584]	ND [0.0535]	ND [0.0547]	ND [0.0548]	ND [0.0615]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0527]	ND [0.0538]	ND [0.0555]	ND [0.0539]	ND [0.0584]	ND [0.0535]	ND [0.0547]	ND [0.0548]	ND [0.0615]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0527]	ND [0.0538]	ND [0.0555]	ND [0.0539]	ND [0.0584]	ND [0.0535]	ND [0.0547]	ND [0.0548]	ND [0.0615]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0527]	ND [0.0538]	ND [0.0555]	ND [0.0539]	ND [0.0584]	ND [0.0535]	ND [0.0547]	ND [0.0548]	ND [0.0615]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0527]	ND [0.0538]	ND [0.0555]	ND [0.0539]	ND [0.0584]	ND [0.0535]	ND [0.0547]	ND [0.0548]	ND [0.0615]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0527]	ND [0.0538]	ND [0.0555]	ND [0.0539]	ND [0.0584]	ND [0.0535]	ND [0.0547]	ND [0.0548]	ND [0.0615]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	ND [0.0527]	ND [0.0538]	ND [0.0555]	ND [0.0539]	ND [0.0584]	ND [0.0535]	ND [0.0547]	ND [0.0548]	ND [0.0615]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				GP092+50 11PH-GP092-C-2-4 1114545002 9/13/2011 SO SGSA	GP092+50 11PH-GP092-C-4-6 1114545003 9/13/2011 SO SGSA	GP092+50 11PH-GP092-C-6-8 1114545006 9/13/2011 SO SGSA	GP005+00 11PH-GP005-C-0-2 1114546069 9/15/2011 SO SGSA	GP005+00 11PH-GP005-C-2-4 1114546070 9/15/2011 SO SGSA	GP005+00 11PH-GP005-C-4-6 1114546071 9/15/2011 SO SGSA	GP005+00 11PH-GP005-C-6-8 1114546072 9/15/2011 SO SGSA	GP010+00 11PH-GP010-C-0-2 1114546065 9/15/2011 SO SGSA	GP010+00 11PH-GP010-C-2-4 1114546066 9/15/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0643]	ND [0.0647]	ND [0.0539]	ND [0.0596]	ND [0.0631]	ND [0.0578]	ND [0.0583]	ND [0.0568]	ND [0.0616]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0643]	ND [0.0647]	ND [0.0539]	ND [0.0596]	ND [0.0631]	ND [0.0578]	ND [0.0583]	ND [0.0568]	ND [0.0616]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0643]	ND [0.0647]	ND [0.0539]	ND [0.0596]	ND [0.0631]	ND [0.0578]	ND [0.0583]	ND [0.0568]	ND [0.0616]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0643]	ND [0.0647]	ND [0.0539]	ND [0.0596]	ND [0.0631]	ND [0.0578]	ND [0.0583]	ND [0.0568]	ND [0.0616]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0643]	ND [0.0647]	ND [0.0539]	ND [0.0596]	ND [0.0631]	ND [0.0578]	ND [0.0583]	ND [0.0568]	ND [0.0616]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0643]	ND [0.0647]	ND [0.0539]	ND [0.0596]	ND [0.0631]	ND [0.0578]	ND [0.0583]	ND [0.0568]	ND [0.0616]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	ND [0.0643]	ND [0.0647]	ND [0.0539]	ND [0.0596]	ND [0.0631]	ND [0.0578]	ND [0.0583]	ND [0.0568]	ND [0.0616]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				GP010+00 11PH-GP010-C-4-6 1114546067 9/15/2011 SO SGSA	GP010+00 11PH-GP010-C-6-8 1114546068 9/15/2011 SO SGSA	GP015+00 11PH-GP015-C-0-2 1114546061 9/15/2011 SO SGSA	GP015+00 11PH-GP015-C-2-4 1114546062 9/15/2011 SO SGSA	GP015+00 11PH-GP015-C-4-6 1114546063 9/15/2011 SO SGSA	GP015+00 11PH-GP015-C-6-8 1114546064 9/15/2011 SO SGSA	GP020+00 11PH-GP020-C-0-2 1114546056 9/15/2011 SO SGSA	GP020+00 11PH-GP020-C-2-4 1114546057 9/15/2011 SO SGSA	GP020+00 11PH-GP020-C-4-6 1114546058 9/15/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0587]	ND [0.0587]	ND [0.0559]	ND [0.0557]	ND [0.0574]	ND [0.0577]	ND [0.0609]	ND [0.0635]	ND [0.0615]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0587]	ND [0.0587]	ND [0.0559]	ND [0.0557]	ND [0.0574]	ND [0.0577]	ND [0.0609]	ND [0.0635]	ND [0.0615]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0587]	ND [0.0587]	ND [0.0559]	ND [0.0557]	ND [0.0574]	ND [0.0577]	ND [0.0609]	ND [0.0635]	ND [0.0615]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0587]	ND [0.0587]	ND [0.0559]	ND [0.0557]	ND [0.0574]	ND [0.0577]	ND [0.0609]	ND [0.0635]	ND [0.0615]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0587]	ND [0.0587]	ND [0.0559]	ND [0.0557]	ND [0.0574]	ND [0.0577]	ND [0.0609]	ND [0.0635]	ND [0.0615]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0587]	ND [0.0587]	ND [0.0559]	ND [0.0557]	ND [0.0574]	ND [0.0577]	ND [0.0609]	ND [0.0635]	ND [0.0615]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	ND [0.0587]	ND [0.0587]	0.0497 [0.0559] J	ND [0.0557]	ND [0.0574]	ND [0.0577]	ND [0.0609]	ND [0.0635]	ND [0.0615]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				GP020+00 11PH-GP020-C-6-8 1114546060 9/15/2011 SO SGSA	GP020+00 11PH-GP020X-C-4-6 1114546059 9/15/2011 SO SGSA	GP025+00 11PH-GP025-C-0-2 1114546052 9/15/2011 SO SGSA	GP025+00 11PH-GP025-C-2-4 1114546053 9/15/2011 SO SGSA	GP025+00 11PH-GP025-C-4-6 1114546054 9/15/2011 SO SGSA	GP025+00 11PH-GP025-C-6-8 1114546055 9/15/2011 SO SGSA	GP030+00 11PH-GP030-C-0-2 1114546048 9/15/2011 SO SGSA	GP030+00 11PH-GP030-C-2-4 1114546049 9/15/2011 SO SGSA	GP030+00 11PH-GP030-C-4-6 1114546050 9/15/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0544]	ND [0.0627]	ND [0.0605]	ND [0.0628]	ND [0.0582]	ND [0.0603]	ND [0.0577]	ND [0.0596]	ND [0.0611]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0544]	ND [0.0627]	ND [0.0605]	ND [0.0628]	ND [0.0582]	ND [0.0603]	ND [0.0577]	ND [0.0596]	ND [0.0611]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0544]	ND [0.0627]	ND [0.0605]	ND [0.0628]	ND [0.0582]	ND [0.0603]	ND [0.0577]	ND [0.0596]	ND [0.0611]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0544]	ND [0.0627]	ND [0.0605]	ND [0.0628]	ND [0.0582]	ND [0.0603]	ND [0.0577]	ND [0.0596]	ND [0.0611]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0544]	ND [0.0627]	ND [0.0605]	ND [0.0628]	ND [0.0582]	ND [0.0603]	ND [0.0577]	ND [0.0596]	ND [0.0611]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0544]	ND [0.0627]	ND [0.0605]	ND [0.0628]	ND [0.0582]	ND [0.0603]	ND [0.0577]	ND [0.0596]	ND [0.0611]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	ND [0.0544]	ND [0.0627]	0.161 [0.0605]	ND [0.0628]	ND [0.0582]	ND [0.0603]	0.0769 [0.0577]	ND [0.0596]	ND [0.0611]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				GP030+00 11PH-GP030-C-6-8 1114546051 9/15/2011 SO SGSA	GP035+00 11PH-GP035-C-0-2 1114546040 9/15/2011 SO SGSA	GP035+00 11PH-GP035-C-10-12 1114546047 9/15/2011 SO SGSA	GP035+00 11PH-GP035-C-2-4 1114546043 9/15/2011 SO SGSA	GP035+00 11PH-GP035-C-4-6 1114546044 9/15/2011 SO SGSA	GP035+00 11PH-GP035-C-6-8 1114546045 9/15/2011 SO SGSA	GP035+00 11PH-GP035-C-8-10 1114546046 9/15/2011 SO SGSA	GP040+00 11PH-GP040-C-10-12 1114546037 9/15/2011 SO SGSA	GP040+00 11PH-GP040-C-12-14 1114546038 9/15/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0585]	ND [0.0574]	ND [0.0571]	ND [0.0569]	ND [0.0587]	ND [0.0643]	ND [0.058]	ND [0.0554]	ND [0.0546]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0585]	ND [0.0574]	ND [0.0571]	ND [0.0569]	ND [0.0587]	ND [0.0643]	ND [0.058]	ND [0.0554]	ND [0.0546]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0585]	ND [0.0574]	ND [0.0571]	ND [0.0569]	ND [0.0587]	ND [0.0643]	ND [0.058]	ND [0.0554]	ND [0.0546]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0585]	ND [0.0574]	ND [0.0571]	ND [0.0569]	ND [0.0587]	ND [0.0643]	ND [0.058]	ND [0.0554]	ND [0.0546]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0585]	ND [0.0574]	ND [0.0571]	ND [0.0569]	ND [0.0587]	ND [0.0643]	ND [0.058]	ND [0.0554]	ND [0.0546]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0585]	ND [0.0574]	ND [0.0571]	ND [0.0569]	ND [0.0587]	ND [0.0643]	ND [0.058]	ND [0.0554]	ND [0.0546]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	ND [0.0585]	ND [0.0574]	ND [0.0571]	ND [0.0569]	ND [0.0587]	ND [0.0643]	ND [0.058]	ND [0.0554]	ND [0.0546]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				GP040+00 11PH-GP040-C-14-16 1114546039 9/15/2011 SO SGSA	TU004-R 11PH-TU004-R-50-6 1114546026 8/27/2011 SO SGSA	TU005-R 11PH-TU005-R-50-6 1114546025 8/27/2011 SO SGSA	TU006-L 11PH-TU006-L-50-12 1114546008 9/1/2011 SO SGSA	TU006-L 11PH-TU006-L-75-6 1114546002 9/1/2011 SO SGSA	TU007-R 11PH-TU007-R-75-6 1114546001 9/1/2011 SO SGSA	TU008-L 11PH-TU008-L-50-12 1114546007 9/1/2011 SO SGSA	TU008-R 11PH-TU008-R-50-6 1114546024 8/27/2011 SO SGSA	TU009-R 11PH-TU009-R-50-6 1114546023 8/27/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0548]	ND [0.0624]	ND [0.0583]	ND [0.0634]	ND [0.0658]	ND [0.053]	ND [0.061]	ND [0.0574]	ND [0.0646]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0548]	ND [0.0624]	ND [0.0583]	ND [0.0634]	ND [0.0658]	ND [0.053]	ND [0.061]	ND [0.0574]	ND [0.0646]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0548]	ND [0.0624]	ND [0.0583]	ND [0.0634]	ND [0.0658]	ND [0.053]	ND [0.061]	ND [0.0574]	ND [0.0646]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0548]	ND [0.0624]	ND [0.0583]	ND [0.0634]	ND [0.0658]	ND [0.053]	ND [0.061]	ND [0.0574]	ND [0.0646]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0548]	ND [0.0624]	ND [0.0583]	ND [0.0634]	ND [0.0658]	ND [0.053]	ND [0.061]	ND [0.0574]	ND [0.0646]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0548]	ND [0.0624]	ND [0.0583]	ND [0.0634]	ND [0.0658]	ND [0.053]	ND [0.061]	ND [0.0574]	ND [0.0646]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	ND [0.0548]	0.443 [0.0624]	0.394 [0.0583]	0.491 [0.0634]	0.383 [0.0658]	0.257 [0.053]	0.753 [0.061]	0.536 [0.0574]	0.483 [0.0646]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU010-R 11PH-TU010-R-50-6 1114546022 8/27/2011 SO SGSA	TU011-R 11PH-TU011-R-50-6 1114546021 8/27/2011 SO SGSA	TU012-L 11PH-TU012-L-50-12 1114546006 9/1/2011 SO SGSA	TU014-L 11PH-TU014-L-75-6 1114546027 9/1/2011 SO SGSA	TU017-R 11PH-TU017-R-75-6 1114546028 9/1/2011 SO SGSA	TU018-L 11PH-TU018-L-75-6 1114546029 9/1/2011 SO SGSA	TU020-R 11PH-TU020-R-50-6 1114546020 8/27/2011 SO SGSA	TU023-R 11PH-TU023-R-50-6 1114546019 8/27/2011 SO SGSA	TU025-L 11PH-TU025-L-75-6 1114546030 9/1/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0589]	ND [0.0605]	ND [0.0631]	ND [0.0587]	ND [0.0801]	ND [0.0699]	ND [0.0609]	ND [0.0587]	ND [0.0706]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0589]	ND [0.0605]	ND [0.0631]	ND [0.0587]	ND [0.0801]	ND [0.0699]	ND [0.0609]	ND [0.0587]	ND [0.0706]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0589]	ND [0.0605]	ND [0.0631]	ND [0.0587]	ND [0.0801]	ND [0.0699]	ND [0.0609]	ND [0.0587]	ND [0.0706]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0589]	ND [0.0605]	ND [0.0631]	ND [0.0587]	ND [0.0801]	ND [0.0699]	ND [0.0609]	ND [0.0587]	ND [0.0706]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0589]	ND [0.0605]	ND [0.0631]	ND [0.0587]	ND [0.0801]	ND [0.0699]	ND [0.0609]	ND [0.0587]	ND [0.0706]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0589]	ND [0.0605]	ND [0.0631]	ND [0.0587]	ND [0.0801]	ND [0.0699]	ND [0.0609]	ND [0.0587]	ND [0.0706]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.28 [0.0589]	0.43 [0.0605]	0.404 [0.0631]	0.297 [0.0587]	0.381 [0.0801]	0.451 [0.0699]	0.322 [0.0609]	0.452 [0.0587]	0.286 [0.0706]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU026-R 11PH-TU026-R-50-6 1114546018 8/27/2011 SO SGSA	TU027-R 11PH-TU027-R-50-12 1114546003 9/1/2011 SO SGSA	TU028-L 11PH-TU028-L-75-6 1114546031 9/1/2011 SO SGSA	TU029-R 11PH-TU029-R-75-6 1114546032 9/1/2011 SO SGSA	TU032-L 11PH-TU032-L-50-6 1114546016 8/27/2011 SO SGSA	TU032-L 11PH-TU032X-L-50-6 1114546017 8/27/2011 SO SGSA	TU034-L 11PH-TU034-L-75-6 1114546033 9/1/2011 SO SGSA	TU037-L 11PH-TU037-L-50-6 1114546015 8/27/2011 SO SGSA	TU044-L 11PH-TU044-L-50-6 1114546014 8/27/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0585]	ND [0.062]	ND [0.0701]	ND [0.0619]	ND [0.0545]	ND [0.0542]	ND [0.0653]	ND [0.0564]	ND [0.0951]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0585]	ND [0.062]	ND [0.0701]	ND [0.0619]	ND [0.0545]	ND [0.0542]	ND [0.0653]	ND [0.0564]	ND [0.0951]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0585]	ND [0.062]	ND [0.0701]	ND [0.0619]	ND [0.0545]	ND [0.0542]	ND [0.0653]	ND [0.0564]	ND [0.0951]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0585]	ND [0.062]	ND [0.0701]	ND [0.0619]	ND [0.0545]	ND [0.0542]	ND [0.0653]	ND [0.0564]	ND [0.0951]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0585]	ND [0.062]	ND [0.0701]	ND [0.0619]	ND [0.0545]	ND [0.0542]	ND [0.0653]	ND [0.0564]	ND [0.0951]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0585]	ND [0.062]	ND [0.0701]	ND [0.0619]	ND [0.0545]	ND [0.0542]	ND [0.0653]	ND [0.0564]	ND [0.0951]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.343 [0.0585]	0.648 [0.062]	0.464 [0.0701]	0.438 [0.0619]	0.485 [0.0545]	0.453 [0.0542]	0.398 [0.0653]	0.871 [0.0564]	0.372 [0.0951]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU083-L 11PH-TU083-L-50-6 1114546013 8/28/2011 SO SGSA	TU085-R 11PH-TU085-R-50-6 1114546012 8/28/2011 SO SGSA	TU086-R 11PH-TU086-R-50-6 1114546011 8/28/2011 SO SGSA	TU088-L 11PH-TU088-L-50-6 1114546010 8/28/2011 SO SGSA	TU088-R 11PH-TU088-R-75-6 1114546034 9/1/2011 SO SGSA	TU089-L 11PH-TU089-L-50-6 1114546009 8/28/2011 SO SGSA	TU089-L 11PH-TU089-L-75-6 1114546035 9/1/2011 SO SGSA	ARGP0000 11PH-AR-GPB1-0-2 1114547001 9/16/2011 SO SGSA	ARGP0000 11PH-AR-GPB1-2-4 1114547002 9/16/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0807]	ND [0.0633]	ND [0.0635]	ND [0.0683]	ND [0.0708]	ND [0.0587]	ND [0.0725]	ND [0.061]	ND [0.0544]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0807]	ND [0.0633]	ND [0.0635]	ND [0.0683]	ND [0.0708]	ND [0.0587]	ND [0.0725]	ND [0.061]	ND [0.0544]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0807]	ND [0.0633]	ND [0.0635]	ND [0.0683]	ND [0.0708]	ND [0.0587]	ND [0.0725]	ND [0.061]	ND [0.0544]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0807]	ND [0.0633]	ND [0.0635]	ND [0.0683]	ND [0.0708]	ND [0.0587]	ND [0.0725]	ND [0.061]	ND [0.0544]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0807]	ND [0.0633]	ND [0.0635]	ND [0.0683]	ND [0.0708]	ND [0.0587]	ND [0.0725]	ND [0.061]	ND [0.0544]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0807]	ND [0.0633]	ND [0.0635]	ND [0.0683]	ND [0.0708]	ND [0.0587]	ND [0.0725]	ND [0.061]	ND [0.0544]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.394 [0.0807]	0.298 [0.0633]	0.342 [0.0635]	3.05 [0.0683]	0.491 [0.0708]	0.53 [0.0587]	0.715 [0.0725]	ND [0.061]	ND [0.0544]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				ARGP0000 11PH-AR-GPB1-4-6 1114547003 9/16/2011 SO SGSA	ARGP0000 11PH-AR-GPB1-6-8 1114547004 9/16/2011 SO SGSA	ARGP1000 11PH-AR-GPB2-0-2 1114547005 9/16/2011 SO SGSA	ARGP1000 11PH-AR-GPB2-2-4 1114547006 9/16/2011 SO SGSA	ARGP1000 11PH-AR-GPB2-4-6 1114547007 9/16/2011 SO SGSA	ARGP1000 11PH-AR-GPB2-6-8 1114547008 9/16/2011 SO SGSA	ARGP2000 11PH-AR-GPB3-0-2 1114547009 9/16/2011 SO SGSA	ARGP2000 11PH-AR-GPB3-2-4 1114547010 9/16/2011 SO SGSA	ARGP2000 11PH-AR-GPB3-4-6 1114547011 9/16/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.086]	ND [0.0635]	ND [0.0539]	ND [0.0577]	ND [0.0688]	ND [0.176]	ND [0.0574]	ND [0.0572]	ND [0.0648]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.086]	ND [0.0635]	ND [0.0539]	ND [0.0577]	ND [0.0688]	ND [0.176]	ND [0.0574]	ND [0.0572]	ND [0.0648]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.086]	ND [0.0635]	ND [0.0539]	ND [0.0577]	ND [0.0688]	ND [0.176]	ND [0.0574]	ND [0.0572]	ND [0.0648]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.086]	ND [0.0635]	ND [0.0539]	ND [0.0577]	ND [0.0688]	ND [0.176]	ND [0.0574]	ND [0.0572]	ND [0.0648]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.086]	ND [0.0635]	ND [0.0539]	ND [0.0577]	ND [0.0688]	ND [0.176]	ND [0.0574]	ND [0.0572]	ND [0.0648]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.086]	ND [0.0635]	ND [0.0539]	ND [0.0577]	ND [0.0688]	ND [0.176]	ND [0.0574]	ND [0.0572]	ND [0.0648]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	ND [0.086]	ND [0.0635]	ND [0.0539]	ND [0.0577]	ND [0.0688]	ND [0.176]	ND [0.0574]	ND [0.0572]	ND [0.0648]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				ARGP2000 11PH-AR-GPB3-6-8 1114547012 9/16/2011 SO SGSA	ARGP3000 11PH-AR-GPB4-0-2 1114547013 9/16/2011 SO SGSA	ARGP3000 11PH-AR-GPB4-2-4 1114547015 9/16/2011 SO SGSA	ARGP3000 11PH-AR-GPB4-4-6 1114547016 9/16/2011 SO SGSA	ARGP3000 11PH-AR-GPB4-6-8 1114547017 9/16/2011 SO SGSA	ARGP3000 11PH-AR-GPB4X-0-2 1114547014 9/16/2011 SO SGSA	ARGP4000 11PH-AR-GPB5-0-2 1114547018 9/16/2011 SO SGSA	ARGP4000 11PH-AR-GPB5-2-4 1114547019 9/16/2011 SO SGSA	ARGP4000 11PH-AR-GPB5-4-6 1114547022 9/16/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.069]	ND [0.0614]	ND [0.0681]	ND [0.106]	ND [0.0758]	ND [0.0598]	ND [0.0575]	ND [0.0642]	ND [0.0737]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.069]	ND [0.0614]	ND [0.0681]	ND [0.106]	ND [0.0758]	ND [0.0598]	ND [0.0575]	ND [0.0642]	ND [0.0737]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.069]	ND [0.0614]	ND [0.0681]	ND [0.106]	ND [0.0758]	ND [0.0598]	ND [0.0575]	ND [0.0642]	ND [0.0737]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.069]	ND [0.0614]	ND [0.0681]	ND [0.106]	ND [0.0758]	ND [0.0598]	ND [0.0575]	ND [0.0642]	ND [0.0737]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.069]	ND [0.0614]	ND [0.0681]	ND [0.106]	ND [0.0758]	ND [0.0598]	ND [0.0575]	ND [0.0642]	ND [0.0737]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.069]	ND [0.0614]	ND [0.0681]	ND [0.106]	ND [0.0758]	ND [0.0598]	ND [0.0575]	ND [0.0642]	ND [0.0737]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	ND [0.069]	ND [0.0614]	ND [0.0681]	ND [0.106]	ND [0.0758]	ND [0.0598]	ND [0.0575]	ND [0.0642]	ND [0.0737]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				ARGP4000 11PH-AR-GPB5-6-8 1114547023 9/16/2011 SO SGSA	ARGP5000 11PH-AR-GPB6-0-2 1114547024 9/16/2011 SO SGSA	ARGP5000 11PH-AR-GPB6-2-4 1114547025 9/16/2011 SO SGSA	ARGP5000 11PH-AR-GPB6-4-6 1114547026 9/16/2011 SO SGSA	ARGP5000 11PH-AR-GPB6-6-8 1114547027 9/16/2011 SO SGSA	ARGP6000 11PH-AR-GPB7-0-2 1114547028 9/16/2011 SO SGSA	ARGP6000 11PH-AR-GPB7-2-4 1114547029 9/16/2011 SO SGSA	ARGP6000 11PH-AR-GPB7-4-6 1114547030 9/16/2011 SO SGSA	ARGP6000 11PH-AR-GPB7-6-8 1114547031 9/16/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0662]	ND [0.0544]	ND [0.0625]	ND [0.0653]	ND [0.0709]	ND [0.0528]	ND [0.0617]	ND [0.0657]	ND [0.0757]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0662]	ND [0.0544]	ND [0.0625]	ND [0.0653]	ND [0.0709]	ND [0.0528]	ND [0.0617]	ND [0.0657]	ND [0.0757]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0662]	ND [0.0544]	ND [0.0625]	ND [0.0653]	ND [0.0709]	ND [0.0528]	ND [0.0617]	ND [0.0657]	ND [0.0757]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0662]	ND [0.0544]	ND [0.0625]	ND [0.0653]	ND [0.0709]	ND [0.0528]	ND [0.0617]	ND [0.0657]	ND [0.0757]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0662]	ND [0.0544]	ND [0.0625]	ND [0.0653]	ND [0.0709]	ND [0.0528]	ND [0.0617]	ND [0.0657]	ND [0.0757]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0662]	ND [0.0544]	ND [0.0625]	ND [0.0653]	ND [0.0709]	ND [0.0528]	ND [0.0617]	ND [0.0657]	ND [0.0757]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	ND [0.0662]	ND [0.0544]	ND [0.0625]	ND [0.0653]	ND [0.0709]	ND [0.0528]	ND [0.0617]	ND [0.0657]	ND [0.0757]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				ARGP7000 11PH-AR-GPB8-0-2 1114547032 9/16/2011 SO SGSA	ARGP7000 11PH-AR-GPB8-10-12 1114547038 9/16/2011 SO SGSA	ARGP7000 11PH-AR-GPB8-2-4 1114547033 9/16/2011 SO SGSA	ARGP7000 11PH-AR-GPB8-4-6 1114547034 9/16/2011 SO SGSA	ARGP7000 11PH-AR-GPB8-6-8 1114547035 9/16/2011 SO SGSA	ARGP7000 11PH-AR-GPB8-8-10 1114547036 9/16/2011 SO SGSA	ARGP7000 11PH-AR-GPB8X-8-10 1114547037 9/16/2011 SO SGSA	ARGP8000 11PH-AR-GPB9-0-2 1114547039 9/16/2011 SO SGSA	ARGP8000 11PH-AR-GPB9-2-4 1114547040 9/16/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0571]	ND [0.0646]	ND [0.0663]	ND [0.0676]	ND [0.0658]	ND [0.0823]	ND [0.0722]	ND [0.0544]	ND [0.0625]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0571]	ND [0.0646]	ND [0.0663]	ND [0.0676]	ND [0.0658]	ND [0.0823]	ND [0.0722]	ND [0.0544]	ND [0.0625]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0571]	ND [0.0646]	ND [0.0663]	ND [0.0676]	ND [0.0658]	ND [0.0823]	ND [0.0722]	ND [0.0544]	ND [0.0625]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0571]	ND [0.0646]	ND [0.0663]	ND [0.0676]	ND [0.0658]	ND [0.0823]	ND [0.0722]	ND [0.0544]	ND [0.0625]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0571]	ND [0.0646]	ND [0.0663]	ND [0.0676]	ND [0.0658]	ND [0.0823]	ND [0.0722]	ND [0.0544]	ND [0.0625]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0571]	ND [0.0646]	ND [0.0663]	ND [0.0676]	ND [0.0658]	ND [0.0823]	ND [0.0722]	ND [0.0544]	ND [0.0625]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	ND [0.0571]	ND [0.0646]	ND [0.0663]	ND [0.0676]	ND [0.0658]	ND [0.0823]	ND [0.0722]	ND [0.0544]	ND [0.0625]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS037 11PH-SS037-D5-6 1114720069 9/22/2011 SO SGSA	SS037 11PH-SS037-E5-6 1114720070 9/22/2011 SO SGSA	SS037 11PH-SS037-F5-6 1114720071 9/22/2011 SO SGSA	SS038 11PH-SS038-A5-6 1114720068 9/22/2011 SO SGSA	TU012-L 11PH-TU012-L-100-6 1114720048 9/20/2011 SO SGSA	TU013-L 11PH-TU013-L-50-18 1114720067 9/20/2011 SO SGSA	TU014-L 11PH-TU014-L-100-6 1114720049 9/20/2011 SO SGSA	TU016-L 11PH-TU016-L-100-6 1114720050 9/20/2011 SO SGSA	TU017L 11PH-TU017-L2-C-6 1114720002 9/16/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.147]	ND [0.173]	ND [0.0831]	ND [0.163]	ND [0.0782]	ND [0.196]	ND [0.0704]	ND [0.0711]	ND [0.233]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.147]	ND [0.173]	ND [0.0831]	ND [0.163]	ND [0.0782]	ND [0.196]	ND [0.0704]	ND [0.0711]	ND [0.233]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.147]	ND [0.173]	ND [0.0831]	ND [0.163]	ND [0.0782]	ND [0.196]	ND [0.0704]	ND [0.0711]	ND [0.233]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.147]	ND [0.173]	ND [0.0831]	ND [0.163]	ND [0.0782]	ND [0.196]	ND [0.0704]	ND [0.0711]	ND [0.233]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.147]	ND [0.173]	ND [0.0831]	ND [0.163]	ND [0.0782]	ND [0.196]	ND [0.0704]	ND [0.0711]	ND [0.233]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.147]	ND [0.173]	ND [0.0831]	ND [0.163]	ND [0.0782]	ND [0.196]	ND [0.0704]	ND [0.0711]	ND [0.233]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	2.66 [0.147]	3.18 [0.173]	3.06 [0.0831]	3.53 [0.163]	1.03 [0.0782]	1.31 [0.196]	0.998 [0.0704]	0.723 [0.0711]	1.06 [0.233]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU017L 11PH-TU017-L2-D-6 1114720001 9/16/2011 SO SGSA	TU017-R 11PH-TU017-R-100-6 1114720062 9/20/2011 SO SGSA	TU019-L 11PH-TU019-L-100-6 1114720051 9/20/2011 SO SGSA	TU019L 11PH-TU019-L3-E-6 1114720003 9/16/2011 SO SGSA	TU019L 11PH-TU019-L3-G-6 1114720004 9/16/2011 SO SGSA	TU019L 11PH-TU019-L4-C-6 1114720005 9/16/2011 SO SGSA	TU020L 11PH-TU020-L2-A-6 1114720029 9/16/2011 SO SGSA	TU020L 11PH-TU020-L2-B-6 1114720028 9/16/2011 SO SGSA	TU020L 11PH-TU020-L2-D-6 1114720027 9/16/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.225]	ND [0.204]	ND [0.0822]	ND [0.114]	ND [0.3]	ND [0.133]	ND [0.0876]	ND [0.0806]	ND [0.0747]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.225]	ND [0.204]	ND [0.0822]	ND [0.114]	ND [0.3]	ND [0.133]	ND [0.0876]	ND [0.0806]	ND [0.0747]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.225]	ND [0.204]	ND [0.0822]	ND [0.114]	ND [0.3]	ND [0.133]	ND [0.0876]	ND [0.0806]	ND [0.0747]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.225]	ND [0.204]	ND [0.0822]	ND [0.114]	ND [0.3]	ND [0.133]	ND [0.0876]	ND [0.0806]	ND [0.0747]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.225]	ND [0.204]	ND [0.0822]	ND [0.114]	ND [0.3]	ND [0.133]	ND [0.0876]	ND [0.0806]	ND [0.0747]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.225]	ND [0.204]	ND [0.0822]	ND [0.114]	ND [0.3]	ND [0.133]	ND [0.0876]	ND [0.0806]	ND [0.0747]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.87 [0.225]	0.436 [0.204]	0.274 [0.0822]	0.386 [0.114]	0.892 [0.3]	0.512 [0.133]	1.34 [0.0876]	1.03 [0.0806]	1.23 [0.0747]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU020L 11PH-TU020-L2-F-6 1114720026 9/16/2011 SO SGSA	TU020L 11PH-TU020-L3-A-6 1114720025 9/16/2011 SO SGSA	TU020L 11PH-TU020-L3-C-6 1114720047 9/16/2011 SO SGSA	TU021L 11PH-TU021-L2-B-6 1114720024 9/17/2011 SO SGSA	TU021L 11PH-TU021-L2-C-6 1114720023 9/17/2011 SO SGSA	TU021L 11PH-TU021-L3-C-6 1114720022 9/17/2011 SO SGSA	TU021L 11PH-TU021-L3-E-6 1114720011 9/17/2011 SO SGSA	TU022L 11PH-TU022-L2-G-6 1114720012 9/17/2011 SO SGSA	TU022L 11PH-TU022-L3-C-6 1114720013 9/17/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0706]	ND [0.0863]	ND [0.0851]	ND [0.0718]	ND [0.0698]	ND [0.228]	ND [0.186]	ND [0.0677]	ND [0.115]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0706]	ND [0.0863]	ND [0.0851]	ND [0.0718]	ND [0.0698]	ND [0.228]	ND [0.186]	ND [0.0677]	ND [0.115]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0706]	ND [0.0863]	ND [0.0851]	ND [0.0718]	ND [0.0698]	ND [0.228]	ND [0.186]	ND [0.0677]	ND [0.115]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0706]	ND [0.0863]	ND [0.0851]	ND [0.0718]	ND [0.0698]	ND [0.228]	ND [0.186]	ND [0.0677]	ND [0.115]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0706]	ND [0.0863]	ND [0.0851]	ND [0.0718]	ND [0.0698]	ND [0.228]	ND [0.186]	ND [0.0677]	ND [0.115]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0706]	ND [0.0863]	ND [0.0851]	ND [0.0718]	ND [0.0698]	ND [0.228]	ND [0.186]	ND [0.0677]	ND [0.115]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.797 [0.0706]	0.629 [0.0863]	0.613 [0.0851]	0.609 [0.0718]	0.748 [0.0698]	0.527 [0.228]	0.462 [0.186]	2.01 [0.0677]	1.33 [0.115]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU022L 11PH-TU022-L3-D-6 1114720016 9/17/2011 SO SGSA	TU022L 11PH-TU022-L3-E-6 1114720018 9/17/2011 SO SGSA	TU022L 11PH-TU022-L3-F-6 1114720019 9/17/2011 SO SGSA	TU022L 11PH-TU022-L4-D-6 1114720020 9/17/2011 SO SGSA	TU022L 11PH-TU022-L4-E-6 1114720021 9/17/2011 SO SGSA	TU022L 11PH-TU022X-L3-D-6 1114720017 9/17/2011 SO SGSA	TU023L 11PH-TU023-L3-D-6 1114720006 9/17/2011 SO SGSA	TU025-L 11PH-TU025-L-100-6 1114720052 9/20/2011 SO SGSA	TU025L 11PH-TU025-L1-E-6 1114720007 9/17/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.3]	ND [0.274]	ND [0.19]	ND [0.239]	ND [0.239]	ND [0.246]	ND [0.12]	ND [0.0736]	ND [0.102]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.3]	ND [0.274]	ND [0.19]	ND [0.239]	ND [0.239]	ND [0.246]	ND [0.12]	ND [0.0736]	ND [0.102]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.3]	ND [0.274]	ND [0.19]	ND [0.239]	ND [0.239]	ND [0.246]	ND [0.12]	ND [0.0736]	ND [0.102]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.3]	ND [0.274]	ND [0.19]	ND [0.239]	ND [0.239]	ND [0.246]	ND [0.12]	ND [0.0736]	ND [0.102]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.3]	ND [0.274]	ND [0.19]	ND [0.239]	ND [0.239]	ND [0.246]	ND [0.12]	ND [0.0736]	ND [0.102]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.3]	ND [0.274]	ND [0.19]	ND [0.239]	ND [0.239]	ND [0.246]	ND [0.12]	ND [0.0736]	ND [0.102]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1 [0.3]	1.34 [0.274]	0.616 [0.19]	0.915 [0.239]	0.627 [0.239]	1.03 [0.246]	0.458 [0.12]	0.255 [0.0736]	1.89 [0.102]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU027-L 11PH-TU027-L-100-6 1114720053 9/20/2011 SO SGSA	TU030L 11PH-TU030-L1-F-6 1114720010 9/18/2011 SO SGSA	TU030L 11PH-TU030-L1-G-6 1114720009 9/18/2011 SO SGSA	TU031L 11PH-TU031-L1-C-6 1114720008 9/18/2011 SO SGSA	TU034-L 11PH-TU034-L-100-6 1114720054 9/21/2011 SO SGSA	TU034L 11PH-TU034-L1-C-6 1114720032 9/18/2011 SO SGSA	TU034L 11PH-TU034-L1-D-6 1114720031 9/18/2011 SO SGSA	TU034L 11PH-TU034-L1-E-6 1114720030 9/18/2011 SO SGSA	TU035L 11PH-TU035-L1-C-6 1114720033 9/20/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.156]	ND [0.059]	ND [0.0574]	ND [0.0574]	ND [0.0679]	ND [0.0571]	ND [0.057]	ND [0.0564]	ND [0.0606]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.156]	ND [0.059]	ND [0.0574]	ND [0.0574]	ND [0.0679]	ND [0.0571]	ND [0.057]	ND [0.0564]	ND [0.0606]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.156]	ND [0.059]	ND [0.0574]	ND [0.0574]	ND [0.0679]	ND [0.0571]	ND [0.057]	ND [0.0564]	ND [0.0606]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.156]	ND [0.059]	ND [0.0574]	ND [0.0574]	ND [0.0679]	ND [0.0571]	ND [0.057]	ND [0.0564]	ND [0.0606]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.156]	ND [0.059]	ND [0.0574]	ND [0.0574]	ND [0.0679]	ND [0.0571]	ND [0.057]	ND [0.0564]	ND [0.0606]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.156]	ND [0.059]	ND [0.0574]	ND [0.0574]	ND [0.0679]	ND [0.0571]	ND [0.057]	ND [0.0564]	ND [0.0606]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.633 [0.156]	1.39 [0.059]	1.45 [0.0574]	1.26 [0.0574]	0.459 [0.0679]	0.512 [0.0571]	1.01 [0.057]	0.333 [0.0564]	1.32 [0.0606]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU035L 11PH-TU035-L1-D-6 1114720034 9/20/2011 SO SGSA	TU035L 11PH-TU035-L1-E-6 1114720035 9/20/2011 SO SGSA	TU035L 11PH-TU035-L1-F-6 1114720036 9/20/2011 SO SGSA	TU035L 11PH-TU035-L1-G-6 1114720037 9/20/2011 SO SGSA	TU035L 11PH-TU035X-L1-G-6 1114720038 9/20/2011 SO SGSA	TU036L 11PH-TU036-L1-B-6 1114720039 9/20/2011 SO SGSA	TU036L 11PH-TU036-L1-G-6 1114720040 9/20/2011 SO SGSA	TU036R 11PH-TU036-R1-A-6 1114720075 9/22/2011 SO SGSA	TU036R 11PH-TU036-R1-C-6 1114720076 9/22/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0605]	ND [0.0596]	ND [0.0598]	ND [0.0596]	ND [0.0599]	ND [0.0649]	ND [0.0693]	ND [0.0757]	ND [0.0834]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0605]	ND [0.0596]	ND [0.0598]	ND [0.0596]	ND [0.0599]	ND [0.0649]	ND [0.0693]	ND [0.0757]	ND [0.0834]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0605]	ND [0.0596]	ND [0.0598]	ND [0.0596]	ND [0.0599]	ND [0.0649]	ND [0.0693]	ND [0.0757]	ND [0.0834]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0605]	ND [0.0596]	ND [0.0598]	ND [0.0596]	ND [0.0599]	ND [0.0649]	ND [0.0693]	ND [0.0757]	ND [0.0834]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0605]	ND [0.0596]	ND [0.0598]	ND [0.0596]	ND [0.0599]	ND [0.0649]	ND [0.0693]	ND [0.0757]	ND [0.0834]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0605]	ND [0.0596]	ND [0.0598]	ND [0.0596]	ND [0.0599]	ND [0.0649]	ND [0.0693]	ND [0.0757]	ND [0.0834]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.63 [0.0605]	1.57 [0.0596]	3.37 [0.299]	1.7 [0.0596]	1.63 [0.0599]	4.69 [0.324]	2.26 [0.0693]	2.5 [0.0757]	2.74 [0.0834]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU037-L 11PH-TU037-L-100-6 1114720055 9/21/2011 SO SGSA	TU037L 11PH-TU037-L1-A-6 1114720045 9/20/2011 SO SGSA	TU037L 11PH-TU037-L1-B-6 1114720044 9/20/2011 SO SGSA	TU037L 11PH-TU037-L1-C-6 1114720043 9/20/2011 SO SGSA	TU037L 11PH-TU037-L1-D-6 1114720042 9/20/2011 SO SGSA	TU037L 11PH-TU037-L1-E-6 1114720041 9/20/2011 SO SGSA	TU037-L 11PH-TU037-L-75-12 1114720065 9/21/2011 SO SGSA	TU037R 11PH-TU037-R1-C-6 1114720072 9/22/2011 SO SGSA	TU037R 11PH-TU037-R1-D-6 1114720073 9/22/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0682]	ND [0.0695]	ND [0.0665]	ND [0.067]	ND [0.0625]	ND [0.061]	ND [0.0669]	ND [0.0833]	ND [0.0851]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0682]	ND [0.0695]	ND [0.0665]	ND [0.067]	ND [0.0625]	ND [0.061]	ND [0.0669]	ND [0.0833]	ND [0.0851]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0682]	ND [0.0695]	ND [0.0665]	ND [0.067]	ND [0.0625]	ND [0.061]	ND [0.0669]	ND [0.0833]	ND [0.0851]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0682]	ND [0.0695]	ND [0.0665]	ND [0.067]	ND [0.0625]	ND [0.061]	ND [0.0669]	ND [0.0833]	ND [0.0851]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0682]	ND [0.0695]	ND [0.0665]	ND [0.067]	ND [0.0625]	ND [0.061]	ND [0.0669]	ND [0.0833]	ND [0.0851]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0682]	ND [0.0695]	ND [0.0665]	ND [0.067]	ND [0.0625]	ND [0.061]	ND [0.0669]	ND [0.0833]	ND [0.0851]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.713 [0.0682]	3.83 [0.347]	2.18 [0.0665]	2.41 [0.067]	1.46 [0.0625]	2.12 [0.061]	5.71 [0.669]	2.91 [0.0833]	1.76 [0.0851]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU037R 11PH-TU037-R1-E-6 1114720074 9/22/2011 SO SGSA	TU038-L 11PH-TU038-L-100-6 1114720056 9/21/2011 SO SGSA	TU038L 11PH-TU038-L1-C-6 1114720046 9/20/2011 SO SGSA	TU038-L 11PH-TU038X-L-100-6 1114720057 9/21/2011 SO SGSA	TU039-L 11PH-TU039-L-100-6 1114720058 9/21/2011 SO SGSA	TU042-L 11PH-TU042-L-100-6 1114720059 9/21/2011 SO SGSA	TU089-L 11PH-TU089-L-100-6 1114720060 9/21/2011 SO SGSA	TU090-L 11PH-TU090-L-100-6 1114720061 9/21/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units								
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.089]	ND [0.0887]	ND [0.0628]	ND [0.0627]	ND [0.0725]	ND [0.225]	ND [0.0798]	ND [0.115]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.089]	ND [0.0887]	ND [0.0628]	ND [0.0627]	ND [0.0725]	ND [0.225]	ND [0.0798]	ND [0.115]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.089]	ND [0.0887]	ND [0.0628]	ND [0.0627]	ND [0.0725]	ND [0.225]	ND [0.0798]	ND [0.115]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.089]	ND [0.0887]	ND [0.0628]	ND [0.0627]	ND [0.0725]	ND [0.225]	ND [0.0798]	ND [0.115]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.089]	ND [0.0887]	ND [0.0628]	ND [0.0627]	ND [0.0725]	ND [0.225]	ND [0.0798]	ND [0.115]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.089]	ND [0.0887]	ND [0.0628]	ND [0.0627]	ND [0.0725]	ND [0.225]	ND [0.0798]	ND [0.115]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	2.68 [0.089]	6.05 [0.444]	2.35 [0.0628]	6.12 [0.627]	1.75 [0.0725]	1.9 [0.225]	2.44 [0.0798]	2.17 [0.115]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU090-R 11PH-TU090-R-75-12 1114720066 9/21/2011 SO SGSA	SS032 11PH-SS032-D5-6 1114721025 9/22/2011 SO SGSA	SS032 11PH-SS032-E5-6 1114721026 9/22/2011 SO SGSA	SS033 11PH-SS033-A5-6 1114721016 9/22/2011 SO SGSA	SS033 11PH-SS033-D5-6 1114721017 9/22/2011 SO SGSA	SS033 11PH-SS033-E5-6 1114721018 9/22/2011 SO SGSA	TU004-L 11PH-TU004-L-100-6 1114721053 9/1/2011 SO SGSA	TU009-R 11PH-TU009-R-75-6 1114721037 9/1/2011 SO SGSA	TU013-R 11PH-TU013-R-50-6 1114721057 8/27/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0611]	ND [0.0742]	ND [0.0664]	ND [0.0674]	ND [0.0594]	ND [0.0585]	ND [0.057]	ND [0.23]	ND [0.0667]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0611]	ND [0.0742]	ND [0.0664]	ND [0.0674]	ND [0.0594]	ND [0.0585]	ND [0.057]	ND [0.23]	ND [0.0667]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0611]	ND [0.0742]	ND [0.0664]	ND [0.0674]	ND [0.0594]	ND [0.0585]	ND [0.057]	ND [0.23]	ND [0.0667]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0611]	ND [0.0742]	ND [0.0664]	ND [0.0674]	ND [0.0594]	ND [0.0585]	ND [0.057]	ND [0.23]	ND [0.0667]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0611]	ND [0.0742]	ND [0.0664]	ND [0.0674]	ND [0.0594]	ND [0.0585]	ND [0.057]	ND [0.23]	ND [0.0667]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0611]	ND [0.0742]	ND [0.0664]	ND [0.0674]	ND [0.0594]	ND [0.0585]	ND [0.057]	ND [0.23]	ND [0.0667]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	4.86 [0.611]	4.52 [0.371]	2.24 [0.0664]	4 [0.337]	2.04 [0.0594]	1.97 [0.0585]	0.544 [0.057]	0.551 [0.23]	0.644 [0.0667]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU015-L 11PH-TU015-L-75-6 1114721056 9/1/2011 SO SGSA	TU015-R 11PH-TU015-R-75-6 1114721041 9/1/2011 SO SGSA	TU017-L 11PH-TU017-L-50-6 1114721058 8/27/2011 SO SGSA	TU017-L 11PH-TU017-R-50-6 1114721059 8/27/2011 SO SGSA	TU019-L 11PH-TU019-L-50-6 1114721060 8/27/2011 SO SGSA	TU019-L 11PH-TU019-L-75-6 1114721038 9/1/2011 SO SGSA	TU020-L 11PH-TU020-L-50-6 1114721061 8/27/2011 SO SGSA	TU020-L 11PH-TU020-L-75-6 1114721043 9/1/2011 SO SGSA	TU022-L 11PH-TU022-L-75-6 1114721047 9/1/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0671]	ND [0.11]	ND [0.0855]	ND [0.226]	ND [0.16]	ND [0.111]	ND [0.17]	ND [0.548]	ND [0.202]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0671]	ND [0.11]	ND [0.0855]	ND [0.226]	ND [0.16]	ND [0.111]	ND [0.17]	ND [0.548]	ND [0.202]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0671]	ND [0.11]	ND [0.0855]	ND [0.226]	ND [0.16]	ND [0.111]	ND [0.17]	ND [0.548]	ND [0.202]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0671]	ND [0.11]	ND [0.0855]	ND [0.226]	ND [0.16]	ND [0.111]	ND [0.17]	ND [0.548]	ND [0.202]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0671]	ND [0.11]	ND [0.0855]	ND [0.226]	ND [0.16]	ND [0.111]	ND [0.17]	ND [0.548]	ND [0.202]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0671]	ND [0.11]	ND [0.0855]	ND [0.226]	ND [0.16]	ND [0.111]	ND [0.17]	ND [0.548]	ND [0.202]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.495 [0.0671]	0.226 [0.11]	1.59 [0.0855]	1.05 [0.226]	1.57 [0.16]	1.27 [0.111]	1.99 [0.17]	1.8 [0.548]	0.985 [0.202]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU025-L 11PH-TU025-L-50-6 1114721062 8/27/2011 SO SGSA	TU026-L 11PH-TU026-L-50-6 1114721063 8/27/2011 SO SGSA	TU026-L 11PH-TU026-L-75-6 1114721044 9/1/2011 SO SGSA	TU027R 11PH-TU026-R1-A-6 1114721067 9/22/2011 SO SGSA	TU027R 11PH-TU026-R1-B-6 1114721068 9/22/2011 SO SGSA	TU027R 11PH-TU026-R1-C-6 1114721069 9/22/2011 SO SGSA	TU027R 11PH-TU026-R1-E-6 1114721071 9/22/2011 SO SGSA	TU027R 11PH-TU026-R1-F-6 1114721072 9/22/2011 SO SGSA	TU027R 11PH-TU026X-R1-C-6 1114721070 9/22/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0659]	ND [0.0645]	ND [0.14]	ND [0.0617]	ND [0.061]	ND [0.0609]	ND [0.0605]	ND [0.0584]	ND [0.0606]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0659]	ND [0.0645]	ND [0.14]	ND [0.0617]	ND [0.061]	ND [0.0609]	ND [0.0605]	ND [0.0584]	ND [0.0606]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0659]	ND [0.0645]	ND [0.14]	ND [0.0617]	ND [0.061]	ND [0.0609]	ND [0.0605]	ND [0.0584]	ND [0.0606]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0659]	ND [0.0645]	ND [0.14]	ND [0.0617]	ND [0.061]	ND [0.0609]	ND [0.0605]	ND [0.0584]	ND [0.0606]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0659]	ND [0.0645]	ND [0.14]	ND [0.0617]	ND [0.061]	ND [0.0609]	ND [0.0605]	ND [0.0584]	ND [0.0606]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0659]	ND [0.0645]	ND [0.14]	ND [0.0617]	ND [0.061]	ND [0.0609]	ND [0.0605]	ND [0.0584]	ND [0.0606]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.25 [0.0659]	1.04 [0.0645]	0.298 [0.14]	1.24 [0.0617]	1.53 [0.061]	1.41 [0.0609]	3.96 [0.302]	2.98 [0.292]	1.53 [0.0606]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU027R 11PH-TU027-R1-B-6 1114721073 9/22/2011 SO SGSA	TU027R 11PH-TU027-R1-C-6 1114721074 9/22/2011 SO SGSA	TU027R 11PH-TU027-R1-D-6 1114721077 9/22/2011 SO SGSA	TU027R 11PH-TU027-R1-E-6 1114721078 9/22/2011 SO SGSA	TU028-R 11PH-TU028-R-50-6 1114721064 8/27/2011 SO SGSA	TU029-L 11PH-TU029-L-75-6 1114721052 9/1/2011 SO SGSA	TU029-R 11PH-TU029-R-50-6 1114721065 8/27/2011 SO SGSA	TU031-L 11PH-TU031-L-50-6 1114721066 8/27/2011 SO SGSA	TU031R 11PH-TU031-R1-A-6 1114721027 9/22/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.06]	ND [0.0596]	ND [0.0628]	ND [0.0616]	ND [0.0579]	ND [0.222]	ND [0.0585]	ND [0.0544]	ND [0.0622]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.06]	ND [0.0596]	ND [0.0628]	ND [0.0616]	ND [0.0579]	ND [0.222]	ND [0.0585]	ND [0.0544]	ND [0.0622]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.06]	ND [0.0596]	ND [0.0628]	ND [0.0616]	ND [0.0579]	ND [0.222]	ND [0.0585]	ND [0.0544]	ND [0.0622]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.06]	ND [0.0596]	ND [0.0628]	ND [0.0616]	ND [0.0579]	ND [0.222]	ND [0.0585]	ND [0.0544]	ND [0.0622]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.06]	ND [0.0596]	ND [0.0628]	ND [0.0616]	ND [0.0579]	ND [0.222]	ND [0.0585]	ND [0.0544]	ND [0.0622]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.06]	ND [0.0596]	ND [0.0628]	ND [0.0616]	ND [0.0579]	ND [0.222]	ND [0.0585]	ND [0.0544]	ND [0.0622]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.76 [0.06]	1.44 [0.0596]	0.95 [0.0628]	0.791 [0.0616]	0.414 [0.0579]	1.02 [0.222]	0.611 [0.0585]	0.577 [0.0544]	1.11 [0.0622]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU031R 11PH-TU031-R1-B-6 1114721028 9/22/2011 SO SGSA	TU031R 11PH-TU031-R1-C-6 1114721031 9/22/2011 SO SGSA	TU031R 11PH-TU031-R1-D-6 1114721032 9/22/2011 SO SGSA	TU031R 11PH-TU031-R1-E-6 1114721033 9/22/2011 SO SGSA	TU031R 11PH-TU031-R1-F-6 1114721034 9/22/2011 SO SGSA	TU031R 11PH-TU031-R1-G-6 1114721035 9/22/2011 SO SGSA	TU032-L 11PH-TU032-L-75-6 1114721048 9/1/2011 SO SGSA	TU032-L 11PH-TU032X-L-75-6 1114721049 9/1/2011 SO SGSA	TU032R 11PH-TU032-R1-A-6 1114721019 9/22/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0666]	ND [0.063]	ND [0.142]	ND [0.0671]	ND [0.163]	ND [0.154]	ND [0.0559]	ND [0.0555]	ND [0.0709]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0666]	ND [0.063]	ND [0.142]	ND [0.0671]	ND [0.163]	ND [0.154]	ND [0.0559]	ND [0.0555]	ND [0.0709]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0666]	ND [0.063]	ND [0.142]	ND [0.0671]	ND [0.163]	ND [0.154]	ND [0.0559]	ND [0.0555]	ND [0.0709]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0666]	ND [0.063]	ND [0.142]	ND [0.0671]	ND [0.163]	ND [0.154]	ND [0.0559]	ND [0.0555]	ND [0.0709]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0666]	ND [0.063]	ND [0.142]	ND [0.0671]	ND [0.163]	ND [0.154]	ND [0.0559]	ND [0.0555]	ND [0.0709]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0666]	ND [0.063]	ND [0.142]	ND [0.0671]	ND [0.163]	ND [0.154]	ND [0.0559]	ND [0.0555]	ND [0.0709]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.75 [0.0666]	1.27 [0.063]	1.26 [0.142]	1.55 [0.0671]	1.63 [0.163]	1.47 [0.154]	0.393 [0.0559]	0.36 [0.0555]	1.84 [0.0709]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU032R 11PH-TU032-R1-C-6 1114721020 9/22/2011 SO SGSA	TU032R 11PH-TU032-R1-D-6 1114721021 9/22/2011 SO SGSA	TU032R 11PH-TU032-R1-F-6 1114721022 9/22/2011 SO SGSA	TU032R 11PH-TU032-R1-G-6 1114721023 9/22/2011 SO SGSA	TU032R 11PH-TU032X-R1-G-6 1114721024 9/22/2011 SO SGSA	TU033R 11PH-TU033-R1-A-6 1114721012 9/22/2011 SO SGSA	TU033R 11PH-TU033-R1-B-6 1114721013 9/22/2011 SO SGSA	TU033R 11PH-TU033-R1-D-6 1114721014 9/22/2011 SO SGSA	TU033R 11PH-TU033-R1-E-6 1114721015 9/22/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0644]	ND [0.0656]	ND [0.0637]	ND [0.0653]	ND [0.0637]	ND [0.0657]	ND [0.0643]	ND [0.0608]	ND [0.0678]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0644]	ND [0.0656]	ND [0.0637]	ND [0.0653]	ND [0.0637]	ND [0.0657]	ND [0.0643]	ND [0.0608]	ND [0.0678]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0644]	ND [0.0656]	ND [0.0637]	ND [0.0653]	ND [0.0637]	ND [0.0657]	ND [0.0643]	ND [0.0608]	ND [0.0678]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0644]	ND [0.0656]	ND [0.0637]	ND [0.0653]	ND [0.0637]	ND [0.0657]	ND [0.0643]	ND [0.0608]	ND [0.0678]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0644]	ND [0.0656]	ND [0.0637]	ND [0.0653]	ND [0.0637]	ND [0.0657]	ND [0.0643]	ND [0.0608]	ND [0.0678]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0644]	ND [0.0656]	ND [0.0637]	ND [0.0653]	ND [0.0637]	ND [0.0657]	ND [0.0643]	ND [0.0608]	ND [0.0678]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.935 [0.0644]	1.64 [0.0656]	0.55 [0.0637]	0.874 [0.0653]	0.819 [0.0637]	2.21 [0.0657]	1.68 [0.0643]	1.53 [0.0608]	2.12 [0.0678]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU034R 11PH-TU034-R1-E-6 1114721010 9/22/2011 SO SGSA	TU034R 11PH-TU034-R1-G-6 1114721011 9/22/2011 SO SGSA	TU035R 11PH-TU035-R1-A-6 1114721003 9/22/2011 SO SGSA	TU035R 11PH-TU035-R1-B-6 1114721036 9/22/2011 SO SGSA	TU035R 11PH-TU035-R1-C-6 1114721005 9/22/2011 SO SGSA	TU035R 11PH-TU035-R1-D-6 1114721006 9/22/2011 SO SGSA	TU035R 11PH-TU035-R1-E-6 1114721007 9/22/2011 SO SGSA	TU035R 11PH-TU035-R1-F-6 1114721008 9/22/2011 SO SGSA	TU035R 11PH-TU035-R1-G-6 1114721009 9/22/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0695]	ND [0.0742]	ND [0.0725]	ND [0.18]	ND [0.0779]	ND [0.0741]	ND [0.0737]	ND [0.0754]	ND [0.0721]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0695]	ND [0.0742]	ND [0.0725]	ND [0.18]	ND [0.0779]	ND [0.0741]	ND [0.0737]	ND [0.0754]	ND [0.0721]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0695]	ND [0.0742]	ND [0.0725]	ND [0.18]	ND [0.0779]	ND [0.0741]	ND [0.0737]	ND [0.0754]	ND [0.0721]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0695]	ND [0.0742]	ND [0.0725]	ND [0.18]	ND [0.0779]	ND [0.0741]	ND [0.0737]	ND [0.0754]	ND [0.0721]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0695]	ND [0.0742]	ND [0.0725]	ND [0.18]	ND [0.0779]	ND [0.0741]	ND [0.0737]	ND [0.0754]	ND [0.0721]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0695]	ND [0.0742]	ND [0.0725]	ND [0.18]	ND [0.0779]	ND [0.0741]	ND [0.0737]	ND [0.0754]	ND [0.0721]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	2.23 [0.0695]	5.6 [0.371]	2.81 [0.0725]	2.44 [0.18]	5.05 [0.389]	2.99 [0.0741]	3.98 [0.369]	4.19 [0.377]	4.98 [0.361]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU035R 11PH-TU035X-R1-A-6 1114721004 9/22/2011 SO SGSA	TU036R 11PH-TU036-R1-E-6 1114721001 9/22/2011 SO SGSA	TU036R 11PH-TU036-R1-F-6 1114721002 9/22/2011 SO SGSA	TU037-L 11PH-TU037-L-75-6 1114721042 9/1/2011 SO SGSA	TU040-L 11PH-TU040-L-75-6 1114721046 9/1/2011 SO SGSA	TU041-L 11PH-TU041-L-75-6 1114721045 9/1/2011 SO SGSA	TU043-L 11PH-TU043-L-50-6 1114721054 8/27/2011 SO SGSA	TU043-L 11PH-TU043-L-75-6 1114721050 9/1/2011 SO SGSA	TU044-L 11PH-TU044-L-75-6 1114721051 9/1/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0721]	ND [0.0814]	ND [0.0865]	ND [0.0688]	ND [0.178]	ND [0.189]	ND [0.2]	ND [0.0679]	ND [0.32]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0721]	ND [0.0814]	ND [0.0865]	ND [0.0688]	ND [0.178]	ND [0.189]	ND [0.2]	ND [0.0679]	ND [0.32]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0721]	ND [0.0814]	ND [0.0865]	ND [0.0688]	ND [0.178]	ND [0.189]	ND [0.2]	ND [0.0679]	ND [0.32]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0721]	ND [0.0814]	ND [0.0865]	ND [0.0688]	ND [0.178]	ND [0.189]	ND [0.2]	ND [0.0679]	ND [0.32]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0721]	ND [0.0814]	ND [0.0865]	ND [0.0688]	ND [0.178]	ND [0.189]	ND [0.2]	ND [0.0679]	ND [0.32]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0721]	ND [0.0814]	ND [0.0865]	ND [0.0688]	ND [0.178]	ND [0.189]	ND [0.2]	ND [0.0679]	ND [0.32]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	2.46 [0.0721]	4.63 [0.407]	4.8 [0.433]	0.553 [0.0688]	1.78 [0.178]	0.948 [0.189]	0.534 [0.2]	0.622 [0.0679]	0.64 [0.32]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU087-L 11PH-TU087-L-50-6 1114721055 8/28/2011 SO SGSA	ARGP10000 11PH-AR-GPB11-0-2 1114723007 9/16/2011 SO SGSA	ARGP10000 11PH-AR-GPB11-10-12 1114723012 9/16/2011 SO SGSA	ARGP10000 11PH-AR-GPB11-2-4 1114723008 9/16/2011 SO SGSA	ARGP10000 11PH-AR-GPB11-4-6 1114723009 9/16/2011 SO SGSA	ARGP10000 11PH-AR-GPB11-6-8 1114723010 9/16/2011 SO SGSA	ARGP10000 11PH-AR-GPB11-8-10 1114723011 9/16/2011 SO SGSA	ARGP14000 11PH-AR-GPB15-0-2 1114723013 9/17/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units								
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0716]	ND [0.0551]	ND [0.262]	ND [0.0677]	ND [0.064]	ND [0.0673]	ND [0.187]	ND [0.0622]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0716]	ND [0.0551]	ND [0.262]	ND [0.0677]	ND [0.064]	ND [0.0673]	ND [0.187]	ND [0.0622]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0716]	ND [0.0551]	ND [0.262]	ND [0.0677]	ND [0.064]	ND [0.0673]	ND [0.187]	ND [0.0622]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0716]	ND [0.0551]	ND [0.262]	ND [0.0677]	ND [0.064]	ND [0.0673]	ND [0.187]	ND [0.0622]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0716]	ND [0.0551]	ND [0.262]	ND [0.0677]	ND [0.064]	ND [0.0673]	ND [0.187]	ND [0.0622]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0716]	ND [0.0551]	ND [0.262]	ND [0.0677]	ND [0.064]	ND [0.0673]	ND [0.187]	ND [0.0622]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.178 [0.0716]	ND [0.0551]	ND [0.262]	ND [0.0677]	ND [0.064]	ND [0.0673]	ND [0.187]	ND [0.0622]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				ARGP14000 11PH-AR-GPB15-2-4 1114723014 9/17/2011 SO SGSA	ARGP14000 11PH-AR-GPB15-4-6 1114723015 9/17/2011 SO SGSA	ARGP14000 11PH-AR-GPB15-6-8 1114723016 9/17/2011 SO SGSA	ARGP15000 11PH-AR-GPB16-0-2 1114723017 9/17/2011 SO SGSA	ARGP15000 11PH-AR-GPB16-2-4 1114723018 9/17/2011 SO SGSA	ARGP15000 11PH-AR-GPB16-4-6 1114723020 9/17/2011 SO SGSA	ARGP15000 11PH-AR-GPB16-6-8 1114723021 9/17/2011 SO SGSA	ARGP15000 11PH-AR-GPB16X-2-4 1114723019 9/17/2011 SO SGSA	ARGP16000 11PH-AR-GPB17-0-2 1114723022 9/17/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0664]	ND [0.0799]	ND [0.0639]	ND [0.0603]	ND [0.0627]	ND [0.0605]	ND [0.0637]	ND [0.0618]	ND [0.059]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0664]	ND [0.0799]	ND [0.0639]	ND [0.0603]	ND [0.0627]	ND [0.0605]	ND [0.0637]	ND [0.0618]	ND [0.059]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0664]	ND [0.0799]	ND [0.0639]	ND [0.0603]	ND [0.0627]	ND [0.0605]	ND [0.0637]	ND [0.0618]	ND [0.059]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0664]	ND [0.0799]	ND [0.0639]	ND [0.0603]	ND [0.0627]	ND [0.0605]	ND [0.0637]	ND [0.0618]	ND [0.059]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0664]	ND [0.0799]	ND [0.0639]	ND [0.0603]	ND [0.0627]	ND [0.0605]	ND [0.0637]	ND [0.0618]	ND [0.059]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0664]	ND [0.0799]	ND [0.0639]	ND [0.0603]	ND [0.0627]	ND [0.0605]	ND [0.0637]	ND [0.0618]	ND [0.059]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	ND [0.0664]	ND [0.0799]	ND [0.0639]	ND [0.0603]	ND [0.0627]	ND [0.0605]	ND [0.0637]	ND [0.0618]	ND [0.059]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				ARGP16000 11PH-AR-GPB17-2-4 1114723023 9/17/2011 SO SGSA	ARGP16000 11PH-AR-GPB17-4-6 1114723024 9/17/2011 SO SGSA	ARGP16000 11PH-AR-GPB17-6-8 1114723025 9/17/2011 SO SGSA	ARGP17000 11PH-AR-GPB18-0-2 1114723026 9/17/2011 SO SGSA	ARGP17000 11PH-AR-GPB18-2-4 1114723027 9/17/2011 SO SGSA	ARGP17000 11PH-AR-GPB18-4-6 1114723028 9/17/2011 SO SGSA	ARGP17000 11PH-AR-GPB18-6-8 1114723029 9/17/2011 SO SGSA	ARGP18000 11PH-AR-GPB19-0-2 1114723030 9/17/2011 SO SGSA	ARGP18000 11PH-AR-GPB19-2-4 1114723031 9/17/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0646]	ND [0.06]	ND [0.0798]	ND [0.0573]	ND [0.0618]	ND [0.0577]	ND [0.0611]	ND [0.0564]	ND [0.0628]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0646]	ND [0.06]	ND [0.0798]	ND [0.0573]	ND [0.0618]	ND [0.0577]	ND [0.0611]	ND [0.0564]	ND [0.0628]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0646]	ND [0.06]	ND [0.0798]	ND [0.0573]	ND [0.0618]	ND [0.0577]	ND [0.0611]	ND [0.0564]	ND [0.0628]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0646]	ND [0.06]	ND [0.0798]	ND [0.0573]	ND [0.0618]	ND [0.0577]	ND [0.0611]	ND [0.0564]	ND [0.0628]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0646]	ND [0.06]	ND [0.0798]	ND [0.0573]	ND [0.0618]	ND [0.0577]	ND [0.0611]	ND [0.0564]	ND [0.0628]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0646]	ND [0.06]	ND [0.0798]	ND [0.0573]	ND [0.0618]	ND [0.0577]	ND [0.0611]	ND [0.0564]	ND [0.0628]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	ND [0.0646]	ND [0.06]	ND [0.0798]	ND [0.0573]	ND [0.0618]	ND [0.0577]	ND [0.0611]	ND [0.0564]	ND [0.0628]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				ARGP18000 11PH-AR-GPB19-4-6 1114723032 9/17/2011 SO SGSA	ARGP18000 11PH-AR-GPB19-6-8 1114723033 9/17/2011 SO SGSA	ARGP19000 11PH-AR-GPB20-0-2 1114723034 9/17/2011 SO SGSA	ARGP19000 11PH-AR-GPB20-2-4 1114723035 9/17/2011 SO SGSA	ARGP19000 11PH-AR-GPB20-4-6 1114723036 9/17/2011 SO SGSA	ARGP19000 11PH-AR-GPB20-6-8 1114723037 9/17/2011 SO SGSA	ARGP20000 11PH-AR-GPB21-0-2 1114723038 9/17/2011 SO SGSA	ARGP20000 11PH-AR-GPB21-2-4 1114723039 9/17/2011 SO SGSA	ARGP20000 11PH-AR-GPB21-4-6 1114723040 9/17/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0574]	ND [0.0595]	ND [0.0606]	ND [0.0707]	ND [0.0598]	ND [0.0594]	ND [0.0606]	ND [0.0585]	ND [0.0572]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0574]	ND [0.0595]	ND [0.0606]	ND [0.0707]	ND [0.0598]	ND [0.0594]	ND [0.0606]	ND [0.0585]	ND [0.0572]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0574]	ND [0.0595]	ND [0.0606]	ND [0.0707]	ND [0.0598]	ND [0.0594]	ND [0.0606]	ND [0.0585]	ND [0.0572]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0574]	ND [0.0595]	ND [0.0606]	ND [0.0707]	ND [0.0598]	ND [0.0594]	ND [0.0606]	ND [0.0585]	ND [0.0572]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0574]	ND [0.0595]	ND [0.0606]	ND [0.0707]	ND [0.0598]	ND [0.0594]	ND [0.0606]	ND [0.0585]	ND [0.0572]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0574]	ND [0.0595]	ND [0.0606]	ND [0.0707]	ND [0.0598]	ND [0.0594]	ND [0.0606]	ND [0.0585]	ND [0.0572]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	ND [0.0574]	ND [0.0595]	ND [0.0606]	ND [0.0707]	ND [0.0598]	ND [0.0594]	ND [0.0606]	ND [0.0585]	ND [0.0572]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				ARGP20000 11PH-AR-GPB21-6-8 1114723041 9/17/2011 SO SGSA	ARGP20000 11PH-AR-GPB21X-6-8 1114723042 9/17/2011 SO SGSA	ARGP8000 11PH-AR-GPB9-4-6 1114723001 9/16/2011 SO SGSA	ARGP8000 11PH-AR-GPB9-6-8 1114723002 9/16/2011 SO SGSA	ARGP9000 11PH-AR-GPB10-0-2 1114723003 9/16/2011 SO SGSA	ARGP9000 11PH-AR-GPB10-2-4 1114723004 9/16/2011 SO SGSA	ARGP9000 11PH-AR-GPB10-4-6 1114723005 9/16/2011 SO SGSA	ARGP9000 11PH-AR-GPB10-6-8 1114723006 9/16/2011 SO SGSA	SS017 11PH-TU017-L2-F-6 1114724030 9/16/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.06]	ND [0.06]	ND [0.0606]	ND [0.0675]	ND [0.0543]	ND [0.0631]	ND [0.0711]	ND [0.237]	ND [0.291]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.06]	ND [0.06]	ND [0.0606]	ND [0.0675]	ND [0.0543]	ND [0.0631]	ND [0.0711]	ND [0.237]	ND [0.291]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.06]	ND [0.06]	ND [0.0606]	ND [0.0675]	ND [0.0543]	ND [0.0631]	ND [0.0711]	ND [0.237]	ND [0.291]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.06]	ND [0.06]	ND [0.0606]	ND [0.0675]	ND [0.0543]	ND [0.0631]	ND [0.0711]	ND [0.237]	ND [0.291]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.06]	ND [0.06]	ND [0.0606]	ND [0.0675]	ND [0.0543]	ND [0.0631]	ND [0.0711]	ND [0.237]	ND [0.291]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.06]	ND [0.06]	ND [0.0606]	ND [0.0675]	ND [0.0543]	ND [0.0631]	ND [0.0711]	ND [0.237]	ND [0.291]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	ND [0.06]	ND [0.06]	ND [0.0606]	ND [0.0675]	ND [0.0543]	ND [0.0631]	ND [0.0711]	ND [0.237]	2.32 [0.291]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS017 11PH-TU017-L3-C-6 1114724029 9/16/2011 SO SGSA	SS017 11PH-TU017-L3-E-6 1114724028 9/16/2011 SO SGSA	SS017 11PH-TU017-L3-F-6 1114724027 9/16/2011 SO SGSA	SS017 11PH-TU017-L3-G-6 1114724026 9/16/2011 SO SGSA	SS017 11PH-TU017-L4-A-6 1114724025 9/16/2011 SO SGSA	SS017 11PH-TU017-L4-E-6 1114724023 9/16/2011 SO SGSA	SS017 11PH-TU017-L4-F-6 1114724022 9/16/2011 SO SGSA	SS017 11PH-TU017X-L4-E-6 1114724024 9/16/2011 SO SGSA	SS018 11PH-TU018-L2-E-6 1114724021 9/16/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.327]	ND [0.127]	ND [0.183]	ND [0.434]	ND [0.193]	ND [0.287]	ND [0.3]	ND [0.3]	ND [0.353]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.327]	ND [0.127]	ND [0.183]	ND [0.434]	ND [0.193]	ND [0.287]	ND [0.3]	ND [0.3]	ND [0.353]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.327]	ND [0.127]	ND [0.183]	ND [0.434]	ND [0.193]	ND [0.287]	ND [0.3]	ND [0.3]	ND [0.353]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.327]	ND [0.127]	ND [0.183]	ND [0.434]	ND [0.193]	ND [0.287]	ND [0.3]	ND [0.3]	ND [0.353]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.327]	ND [0.127]	ND [0.183]	ND [0.434]	ND [0.193]	ND [0.287]	ND [0.3]	ND [0.3]	ND [0.353]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.327]	ND [0.127]	ND [0.183]	ND [0.434]	ND [0.193]	ND [0.287]	ND [0.3]	ND [0.3]	ND [0.353]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	2.11 [0.327]	1.53 [0.127]	1.3 [0.183]	1.47 [0.434]	1.36 [0.193]	1.12 [0.287]	1.17 [0.3]	1.11 [0.3]	1.68 [0.353]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS018 11PH-TU018-L2-F-6 1114724012 9/16/2011 SO SGSA	SS018 11PH-TU018-L2-G-6 1114724013 9/16/2011 SO SGSA	SS018 11PH-TU018-L3-A-6 1114724014 9/16/2011 SO SGSA	SS018 11PH-TU018-L3-B-6 1114724015 9/16/2011 SO SGSA	SS018 11PH-TU018-L3-C-6 1114724016 9/16/2011 SO SGSA	SS018 11PH-TU018-L3-D-6 1114724017 9/16/2011 SO SGSA	SS018 11PH-TU018-L3-E-6 1114724018 9/16/2011 SO SGSA	SS018 11PH-TU018-L3-F-6 1114724019 9/16/2011 SO SGSA	SS018 11PH-TU018-L3-G-6 1114724020 9/16/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.233]	ND [0.0886]	ND [0.192]	ND [0.181]	ND [0.269]	ND [0.173]	ND [0.169]	ND [0.279]	ND [0.143]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.233]	ND [0.0886]	ND [0.192]	ND [0.181]	ND [0.269]	ND [0.173]	ND [0.169]	ND [0.279]	ND [0.143]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.233]	ND [0.0886]	ND [0.192]	ND [0.181]	ND [0.269]	ND [0.173]	ND [0.169]	ND [0.279]	ND [0.143]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.233]	ND [0.0886]	ND [0.192]	ND [0.181]	ND [0.269]	ND [0.173]	ND [0.169]	ND [0.279]	ND [0.143]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.233]	ND [0.0886]	ND [0.192]	ND [0.181]	ND [0.269]	ND [0.173]	ND [0.169]	ND [0.279]	ND [0.143]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.233]	ND [0.0886]	ND [0.192]	ND [0.181]	ND [0.269]	ND [0.173]	ND [0.169]	ND [0.279]	ND [0.143]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.15 [0.233]	1.36 [0.0886]	0.888 [0.192]	1.33 [0.181]	1.06 [0.269]	1.21 [0.173]	1.16 [0.169]	0.706 [0.279]	0.459 [0.143]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS019 11PH-SS019-E0-6 1114724001 9/16/2011 SO SGSA	SS019 11PH-TU019-L1-G-6 1114724002 9/16/2011 SO SGSA	SS019 11PH-TU019-L2-B-6 1114724004 9/16/2011 SO SGSA	SS019 11PH-TU019-L2-C-6 1114724005 9/16/2011 SO SGSA	SS019 11PH-TU019-L2-D-6 1114724006 9/16/2011 SO SGSA	SS019 11PH-TU019-L2-E-6 1114724007 9/16/2011 SO SGSA	SS019 11PH-TU019-L2-F-6 1114724008 9/16/2011 SO SGSA	SS019 11PH-TU019-L3-A-6 1114724009 9/16/2011 SO SGSA	SS019 11PH-TU019-L3-B-6 1114724010 9/16/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0683]	ND [0.08]	ND [0.0846]	ND [0.0827]	ND [0.0767]	ND [0.0788]	ND [0.0833]	ND [0.0881]	ND [0.0872]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0683]	ND [0.08]	ND [0.0846]	ND [0.0827]	ND [0.0767]	ND [0.0788]	ND [0.0833]	ND [0.0881]	ND [0.0872]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0683]	ND [0.08]	ND [0.0846]	ND [0.0827]	ND [0.0767]	ND [0.0788]	ND [0.0833]	ND [0.0881]	ND [0.0872]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0683]	ND [0.08]	ND [0.0846]	ND [0.0827]	ND [0.0767]	ND [0.0788]	ND [0.0833]	ND [0.0881]	ND [0.0872]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0683]	ND [0.08]	ND [0.0846]	ND [0.0827]	ND [0.0767]	ND [0.0788]	ND [0.0833]	ND [0.0881]	ND [0.0872]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0683]	ND [0.08]	ND [0.0846]	ND [0.0827]	ND [0.0767]	ND [0.0788]	ND [0.0833]	ND [0.0881]	ND [0.0872]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.21 [0.0683]	1.27 [0.08]	1.26 [0.0846]	0.661 [0.0827]	0.801 [0.0767]	1.61 [0.0788]	1.09 [0.0833]	1.02 [0.0881]	1.45 [0.0872]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS019 11PH-TU019-L3-C-6 1114724011 9/16/2011 SO SGSA	SS019 11PH-TU019X-L1-G-6 1114724003 9/16/2011 SO SGSA	SS012 11PH-SS012-E0-6 1114790050 9/23/2011 SO SGSA	SS012 11PH-SS012-F0-6 1114790051 9/23/2011 SO SGSA	SS012 11PH-SS012-G0-6 1114790052 9/23/2011 SO SGSA	SS013 11PH-SS013-A0-6 1114790066 9/23/2011 SO SGSA	SS013 11PH-SS013-B0-6 1114790067 9/23/2011 SO SGSA	SS013 11PH-SS013-D0-6 1114790068 9/23/2011 SO SGSA	SS023 11PH-SS023-B5-6 1114790035 9/22/2011 SO SGSA	SS023 11PH-SS023X-A5-6 1114790037 9/22/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0911]	ND [0.0816]	ND [0.0713]	ND [0.0673]	ND [0.0667]	ND [0.0678]	ND [0.0657]	ND [0.068]	ND [0.0577]	ND [0.0589]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0911]	ND [0.0816]	ND [0.0713]	ND [0.0673]	ND [0.0667]	ND [0.0678]	ND [0.0657]	ND [0.068]	ND [0.0577]	ND [0.0589]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0911]	ND [0.0816]	ND [0.0713]	ND [0.0673]	ND [0.0667]	ND [0.0678]	ND [0.0657]	ND [0.068]	ND [0.0577]	ND [0.0589]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0911]	ND [0.0816]	ND [0.0713]	ND [0.0673]	ND [0.0667]	ND [0.0678]	ND [0.0657]	ND [0.068]	ND [0.0577]	ND [0.0589]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0911]	ND [0.0816]	ND [0.0713]	ND [0.0673]	ND [0.0667]	ND [0.0678]	ND [0.0657]	ND [0.068]	ND [0.0577]	ND [0.0589]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0911]	ND [0.0816]	ND [0.0713]	ND [0.0673]	ND [0.0667]	ND [0.0678]	ND [0.0657]	ND [0.068]	ND [0.0577]	ND [0.0589]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.797 [0.0911]	1.51 [0.0816]	1.01 [0.0713]	1.08 [0.0673]	1.14 [0.0667]	1.2 [0.0678]	1.24 [0.0657]	1.47 [0.068]	1.87 [0.0577]	2.35 [0.0589]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS023 11PH-SS023X-B5-6 1114790036 9/22/2011 SO SGSA	SS024 11PH-SS024-F5-6 1114790043 9/22/2011 SO SGSA	SS029 11PH-SS029-E5-6 1114790014 9/22/2011 SO SGSA	SS029 11PH-SS029-F5-6 1114790013 9/22/2011 SO SGSA	SS029 11PH-SS029-G5-6 1114790012 9/22/2011 SO SGSA	SS029 11PH-SS029X-E5-6 1114790015 9/22/2011 SO SGSA	TU012L 11PH-TU012-L1-B-6 1114790053 9/23/2011 SO SGSA	TU012L 11PH-TU012-L1-C-6 1114790054 9/23/2011 SO SGSA	TU012L 11PH-TU012-L1-E-6 1114790055 9/23/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0583]	ND [0.0629]	ND [0.0654]	ND [0.0635]	ND [0.0599]	ND [0.0646]	ND [0.0642]	ND [0.0637]	ND [0.0722]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0583]	ND [0.0629]	ND [0.0654]	ND [0.0635]	ND [0.0599]	ND [0.0646]	ND [0.0642]	ND [0.0637]	ND [0.0722]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0583]	ND [0.0629]	ND [0.0654]	ND [0.0635]	ND [0.0599]	ND [0.0646]	ND [0.0642]	ND [0.0637]	ND [0.0722]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0583]	ND [0.0629]	ND [0.0654]	ND [0.0635]	ND [0.0599]	ND [0.0646]	ND [0.0642]	ND [0.0637]	ND [0.0722]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0583]	ND [0.0629]	ND [0.0654]	ND [0.0635]	ND [0.0599]	ND [0.0646]	ND [0.0642]	ND [0.0637]	ND [0.0722]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0583]	ND [0.0629]	ND [0.0654]	ND [0.0635]	ND [0.0599]	ND [0.0646]	ND [0.0642]	ND [0.0637]	ND [0.0722]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.53 [0.0583]	1.59 [0.0629]	1.83 [0.0654]	1.99 [0.0635]	1.7 [0.0599]	2.19 [0.0646]	0.725 [0.0642]	1.39 [0.0637]	1.64 [0.0722] JS+

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU012L 11PH-TU012-L1-F-6 1114790056 9/23/2011 SO SGSA	TU012L 11PH-TU012-L1-G-6 1114790058 9/23/2011 SO SGSA	TU012L 11PH-TU012X-L1-F-6 1114790057 9/23/2011 SO SGSA	TU012R 11PH-TU012-R1-A-6 1114790059 9/23/2011 SO SGSA	TU012R 11PH-TU012-R1-B-6 1114790060 9/23/2011 SO SGSA	TU012R 11PH-TU012-R1-C-6 1114790061 9/23/2011 SO SGSA	TU012R 11PH-TU012-R1-D-6 1114790062 9/23/2011 SO SGSA	TU012R 11PH-TU012-R1-E-6 1114790063 9/23/2011 SO SGSA	TU012R 11PH-TU012-R1-F-6 1114790064 9/23/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0673]	ND [0.0657]	ND [0.0661]	ND [0.0605]	ND [0.0612]	ND [0.0604]	ND [0.062]	ND [0.0608]	ND [0.0613]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0673]	ND [0.0657]	ND [0.0661]	ND [0.0605]	ND [0.0612]	ND [0.0604]	ND [0.062]	ND [0.0608]	ND [0.0613]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0673]	ND [0.0657]	ND [0.0661]	ND [0.0605]	ND [0.0612]	ND [0.0604]	ND [0.062]	ND [0.0608]	ND [0.0613]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0673]	ND [0.0657]	ND [0.0661]	ND [0.0605]	ND [0.0612]	ND [0.0604]	ND [0.062]	ND [0.0608]	ND [0.0613]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0673]	ND [0.0657]	ND [0.0661]	ND [0.0605]	ND [0.0612]	ND [0.0604]	ND [0.062]	ND [0.0608]	ND [0.0613]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0673]	ND [0.0657]	ND [0.0661]	ND [0.0605]	ND [0.0612]	ND [0.0604]	ND [0.062]	ND [0.0608]	ND [0.0613]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.13 [0.0673]	1.66 [0.0657]	1 [0.0661]	0.476 [0.0605]	0.522 [0.0612]	0.54 [0.0604]	0.767 [0.062]	0.732 [0.0608]	0.798 [0.0613]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU012R 11PH-TU012-R1-G-6 1114790065 9/23/2011 SO SGSA	TU013L 11PH-TU013-L1-A-6 1114790069 9/23/2011 SO SGSA	TU013L 11PH-TU013-L1-B-6 1114790070 9/23/2011 SO SGSA	TU013L 11PH-TU013-L1-C-6 1114790071 9/23/2011 SO SGSA	TU013L 11PH-TU013-L1-D-6 1114790072 9/23/2011 SO SGSA	TU022R 11PH-TU022-R1-A-6 1114790031 9/22/2011 SO SGSA	TU023R 11PH-TU023-R1-A-6 1114790030 9/22/2011 SO SGSA	TU023R 11PH-TU023-R1-B-6 1114790029 9/22/2011 SO SGSA	TU023R 11PH-TU023-R1-C-6 1114790028 9/22/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0634]	ND [0.0679]	ND [0.0666]	ND [0.0652]	ND [0.068]	ND [0.065]	ND [0.0628]	ND [0.0657]	ND [0.0636]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0634]	ND [0.0679]	ND [0.0666]	ND [0.0652]	ND [0.068]	ND [0.065]	ND [0.0628]	ND [0.0657]	ND [0.0636]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0634]	ND [0.0679]	ND [0.0666]	ND [0.0652]	ND [0.068]	ND [0.065]	ND [0.0628]	ND [0.0657]	ND [0.0636]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0634]	ND [0.0679]	ND [0.0666]	ND [0.0652]	ND [0.068]	ND [0.065]	ND [0.0628]	ND [0.0657]	ND [0.0636]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0634]	ND [0.0679]	ND [0.0666]	ND [0.0652]	ND [0.068]	ND [0.065]	ND [0.0628]	ND [0.0657]	ND [0.0636]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0634]	ND [0.0679]	ND [0.0666]	ND [0.0652]	ND [0.068]	ND [0.065]	ND [0.0628]	ND [0.0657]	ND [0.0636]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.646 [0.0634]	1.21 [0.0679]	2.07 [0.0666]	1.15 [0.0652]	1.42 [0.068]	2.33 [0.065]	1.07 [0.0628]	1.85 [0.0657]	2.26 [0.0636]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU023R 11PH-TU023-R1-D-6 1114790027 9/22/2011 SO SGSA	TU023R 11PH-TU023-R1-E-6 1114790034 9/22/2011 SO SGSA	TU023R 11PH-TU023-R1-F-6 1114790033 9/22/2011 SO SGSA	TU023R 11PH-TU023-R1-G-6 1114790032 9/22/2011 SO SGSA	TU024R 11PH-TU024-R1-A-6 1114790042 9/22/2011 SO SGSA	TU024R 11PH-TU024-R1-B-6 1114790041 9/22/2011 SO SGSA	TU024R 11PH-TU024-R1-C-6 1114790040 9/22/2011 SO SGSA	TU024R 11PH-TU024-R1-D-6 1114790039 9/22/2011 SO SGSA	TU024R 11PH-TU024-R1-G-6 1114790038 9/22/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0617]	ND [0.063]	ND [0.0632]	ND [0.0627]	ND [0.0624]	ND [0.0649]	ND [0.0627]	ND [0.0639]	ND [0.0623]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0617]	ND [0.063]	ND [0.0632]	ND [0.0627]	ND [0.0624]	ND [0.0649]	ND [0.0627]	ND [0.0639]	ND [0.0623]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0617]	ND [0.063]	ND [0.0632]	ND [0.0627]	ND [0.0624]	ND [0.0649]	ND [0.0627]	ND [0.0639]	ND [0.0623]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0617]	ND [0.063]	ND [0.0632]	ND [0.0627]	ND [0.0624]	ND [0.0649]	ND [0.0627]	ND [0.0639]	ND [0.0623]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0617]	ND [0.063]	ND [0.0632]	ND [0.0627]	ND [0.0624]	ND [0.0649]	ND [0.0627]	ND [0.0639]	ND [0.0623]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0617]	ND [0.063]	ND [0.0632]	ND [0.0627]	ND [0.0624]	ND [0.0649]	ND [0.0627]	ND [0.0639]	ND [0.0623]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.7 [0.0617]	2.16 [0.063]	2.51 [0.0632]	2.08 [0.0627]	1.78 [0.0624]	2.31 [0.0649]	2.45 [0.0627]	2.4 [0.0639]	2.31 [0.0623]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU025R 11PH-TU025-R1-A-6 1114790049 9/22/2011 SO SGSA	TU025R 11PH-TU025-R1-B-6 1114790048 9/22/2011 SO SGSA	TU025R 11PH-TU025-R1-D-6 1114790047 9/22/2011 SO SGSA	TU025R 11PH-TU025-R1-E-6 1114790046 9/22/2011 SO SGSA	TU025R 11PH-TU025-R1-F-6 1114790045 9/22/2011 SO SGSA	TU025R 11PH-TU025-R1-G-6 1114790044 9/22/2011 SO SGSA	TU027R 11PH-TU027-R1-F-6 1114790007 9/22/2011 SO SGSA	TU027R 11PH-TU027-R1-G-6 1114790006 9/22/2011 SO SGSA	TU028R 11PH-TU028-R1-A-6 1114790005 9/22/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0634]	ND [0.0621]	ND [0.0643]	ND [0.0603]	ND [0.0609]	ND [0.0611]	ND [0.0613]	ND [0.0609]	ND [0.0594]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0634]	ND [0.0621]	ND [0.0643]	ND [0.0603]	ND [0.0609]	ND [0.0611]	ND [0.0613]	ND [0.0609]	ND [0.0594]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0634]	ND [0.0621]	ND [0.0643]	ND [0.0603]	ND [0.0609]	ND [0.0611]	ND [0.0613]	ND [0.0609]	ND [0.0594]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0634]	ND [0.0621]	ND [0.0643]	ND [0.0603]	ND [0.0609]	ND [0.0611]	ND [0.0613]	ND [0.0609]	ND [0.0594]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0634]	ND [0.0621]	ND [0.0643]	ND [0.0603]	ND [0.0609]	ND [0.0611]	ND [0.0613]	ND [0.0609]	ND [0.0594]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0634]	ND [0.0621]	ND [0.0643]	ND [0.0603]	ND [0.0609]	ND [0.0611]	ND [0.0613]	ND [0.0609]	ND [0.0594]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	2.01 [0.0634]	1.53 [0.0621]	1.63 [0.0643]	1.3 [0.0603]	0.853 [0.0609]	1.3 [0.0611]	1.29 [0.0613]	1.07 [0.0609]	1.56 [0.0594]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU028R 11PH-TU028-R1-B-6 1114790004 9/22/2011 SO SGSA	TU028R 11PH-TU028-R1-C-6 1114790003 9/22/2011 SO SGSA	TU028R 11PH-TU028-R1-D-6 1114790002 9/22/2011 SO SGSA	TU028R 11PH-TU028-R1-E-6 1114790001 9/22/2011 SO SGSA	TU028R 11PH-TU028-R1-F-6 1114790017 9/22/2011 SO SGSA	TU028R 11PH-TU028-R1-G-6 1114790016 9/22/2011 SO SGSA	TU029R 11PH-TU029-R1-A-6 1114790011 9/22/2011 SO SGSA	TU029R 11PH-TU029-R1-B-6 1114790010 9/22/2011 SO SGSA	TU029R 11PH-TU029-R1-C-6 1114790009 9/22/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0624]	ND [0.0652]	ND [0.0641]	ND [0.0617]	ND [0.0606]	ND [0.0609]	ND [0.0608]	ND [0.061]	ND [0.061]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0624]	ND [0.0652]	ND [0.0641]	ND [0.0617]	ND [0.0606]	ND [0.0609]	ND [0.0608]	ND [0.061]	ND [0.061]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0624]	ND [0.0652]	ND [0.0641]	ND [0.0617]	ND [0.0606]	ND [0.0609]	ND [0.0608]	ND [0.061]	ND [0.061]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0624]	ND [0.0652]	ND [0.0641]	ND [0.0617]	ND [0.0606]	ND [0.0609]	ND [0.0608]	ND [0.061]	ND [0.061]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0624]	ND [0.0652]	ND [0.0641]	ND [0.0617]	ND [0.0606]	ND [0.0609]	ND [0.0608]	ND [0.061]	ND [0.061]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0624]	ND [0.0652]	ND [0.0641]	ND [0.0617]	ND [0.0606]	ND [0.0609]	ND [0.0608]	ND [0.061]	ND [0.061]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.47 [0.0624]	2.56 [0.0652]	1.86 [0.0641]	1.15 [0.0617]	1.67 [0.0606]	1.39 [0.0609]	1.4 [0.0608]	1.3 [0.061]	1.58 [0.061]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU029R 11PH-TU029-R1-D-6 1114790008 9/22/2011 SO SGSA	TU029R 11PH-TU029-R1-E-6 1114790026 9/22/2011 SO SGSA	TU029R 11PH-TU029-R1-F-6 1114790025 9/22/2011 SO SGSA	TU029R 11PH-TU029-R1-G-6 1114790024 9/22/2011 SO SGSA	TU030R 11PH-TU030-R1-A-6 1114790023 9/22/2011 SO SGSA	TU030R 11PH-TU030-R1-B-6 1114790022 9/22/2011 SO SGSA	TU030R 11PH-TU030-R1-C-6 1114790021 9/22/2011 SO SGSA	TU030R 11PH-TU030-R1-D-6 1114790020 9/22/2011 SO SGSA	TU030R 11PH-TU030-R1-F-6 1114790019 9/22/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0619]	ND [0.0632]	ND [0.0628]	ND [0.0607]	ND [0.0618]	ND [0.0634]	ND [0.063]	ND [0.0634]	ND [0.0655]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0619]	ND [0.0632]	ND [0.0628]	ND [0.0607]	ND [0.0618]	ND [0.0634]	ND [0.063]	ND [0.0634]	ND [0.0655]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0619]	ND [0.0632]	ND [0.0628]	ND [0.0607]	ND [0.0618]	ND [0.0634]	ND [0.063]	ND [0.0634]	ND [0.0655]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0619]	ND [0.0632]	ND [0.0628]	ND [0.0607]	ND [0.0618]	ND [0.0634]	ND [0.063]	ND [0.0634]	ND [0.0655]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0619]	ND [0.0632]	ND [0.0628]	ND [0.0607]	ND [0.0618]	ND [0.0634]	ND [0.063]	ND [0.0634]	ND [0.0655]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0619]	ND [0.0632]	ND [0.0628]	ND [0.0607]	ND [0.0618]	ND [0.0634]	ND [0.063]	ND [0.0634]	ND [0.0655]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.11 [0.0619]	1.26 [0.0632]	1.49 [0.0628]	0.713 [0.0607]	0.934 [0.0618]	1.38 [0.0634]	0.849 [0.063]	0.784 [0.0634]	1.07 [0.0655]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU030R 11PH-TU030-R1-G-6 1114790018 9/22/2011 SO SGSA	SS025 11PH-SS025-C5-6 1114791001 9/22/2011 SO SGSA	SS025 11PH-SS025-D5-6 1114791082 9/22/2011 SO SGSA	TU004-L 11PH-TU004-L-150-6 1114791055 9/28/2011 SO SGSA	TU011L 11PH-TU011-L2-B-6 1114791010 9/28/2011 SO SGSA	TU011L 11PH-TU011-L2-E-6 1114791011 9/28/2011 SO SGSA	TU018R 11PH-TU018-R1-B-6 1114791012 9/23/2011 SO SGSA	TU019R 11PH-TU019-R1-E-6 1114791013 9/23/2011 SO SGSA	TU020R 11PH-TU020-R1-B-6 1114791057 9/23/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0637]	ND [0.0619]	ND [0.0589]	ND [0.0672]	ND [0.0629]	ND [0.0636]	ND [0.0686]	ND [0.0657]	ND [0.0612]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0637]	ND [0.0619]	ND [0.0589]	ND [0.0672]	ND [0.0629]	ND [0.0636]	ND [0.0686]	ND [0.0657]	ND [0.0612]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0637]	ND [0.0619]	ND [0.0589]	ND [0.0672]	ND [0.0629]	ND [0.0636]	ND [0.0686]	ND [0.0657]	ND [0.0612]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0637]	ND [0.0619]	ND [0.0589]	ND [0.0672]	ND [0.0629]	ND [0.0636]	ND [0.0686]	ND [0.0657]	ND [0.0612]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0637]	ND [0.0619]	ND [0.0589]	ND [0.0672]	ND [0.0629]	ND [0.0636]	ND [0.0686]	ND [0.0657]	ND [0.0612]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0637]	ND [0.0619]	ND [0.0589]	ND [0.0672]	ND [0.0629]	ND [0.0636]	ND [0.0686]	ND [0.0657]	ND [0.0612]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.61 [0.0637]	1.13 [0.0619]	0.8 [0.0589]	0.779 [0.0672]	5.01 [0.315]	2.48 [0.0636]	2.09 [0.0686]	0.461 [0.0657]	0.814 [0.0612]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU020R 11PH-TU020-R1-B-6 1114791073 9/23/2011 SO SGSA	TU020R 11PH-TU020-R1-F-6 1114791056 9/23/2011 SO SGSA	TU021R 11PH-TU021-R1-A-6 1114791058 9/23/2011 SO SGSA	TU021R 11PH-TU021-R1-A-6 1114791079 9/23/2011 SO SGSA	TU021R 11PH-TU021-R1-B-6 1114791059 9/23/2011 SO SGSA	TU021R 11PH-TU021-R1-C-6 1114791060 9/23/2011 SO SGSA	TU021R 11PH-TU021-R1-D-6 1114791062 9/23/2011 SO SGSA	TU021R 11PH-TU021-R1-E-6 1114791063 9/23/2011 SO SGSA	TU021R 11PH-TU021-R1-F-6 1114791064 9/23/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0626]	ND [0.0622]	ND [0.0634]	ND [0.0648]	ND [0.0647]	ND [0.0654]	ND [0.0655]	ND [0.0661]	ND [0.0665]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0626]	ND [0.0622]	ND [0.0634]	ND [0.0648]	ND [0.0647]	ND [0.0654]	ND [0.0655]	ND [0.0661]	ND [0.0665]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0626]	ND [0.0622]	ND [0.0634]	ND [0.0648]	ND [0.0647]	ND [0.0654]	ND [0.0655]	ND [0.0661]	ND [0.0665]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0626]	ND [0.0622]	ND [0.0634]	ND [0.0648]	ND [0.0647]	ND [0.0654]	ND [0.0655]	ND [0.0661]	ND [0.0665]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0626]	ND [0.0622]	ND [0.0634]	ND [0.0648]	ND [0.0647]	ND [0.0654]	ND [0.0655]	ND [0.0661]	ND [0.0665]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0626]	ND [0.0622]	ND [0.0634]	ND [0.0648]	ND [0.0647]	ND [0.0654]	ND [0.0655]	ND [0.0661]	ND [0.0665]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.17 [0.0626]	1.27 [0.0622]	1.59 [0.0634]	1.74 [0.0648]	1.95 [0.0647]	2.41 [0.0654]	1.56 [0.0655]	1.56 [0.0661]	1.73 [0.0665]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU021R 11PH-TU021-R1-G-6 1114791065 9/23/2011 SO SGSA	TU021R 11PH-TU021X-R1-C-6 1114791061 9/23/2011 SO SGSA	TU024L 11PH-TU024-L3-D-6 1114791034 9/17/2011 SO SGSA	TU025L 11PH-TU025-L3-A-6 1114791014 9/28/2011 SO SGSA	TU025L 11PH-TU025-L3-B-6 1114791033 9/17/2011 SO SGSA	TU026L 11PH-TU026-L3-A-6 1114791024 9/17/2011 SO SGSA	TU026L 11PH-TU026-L3-F-6 1114791025 9/17/2011 SO SGSA	TU026L 11PH-TU026-L3-G-6 1114791026 9/17/2011 SO SGSA	TU026L 11PH-TU026-L4-D-6 1114791027 9/17/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0687]	ND [0.0641]	ND [0.0745]	ND [0.0697]	ND [0.0744]	ND [0.0694]	ND [0.0664]	ND [0.0685]	ND [0.0705]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0687]	ND [0.0641]	ND [0.0745]	ND [0.0697]	ND [0.0744]	ND [0.0694]	ND [0.0664]	ND [0.0685]	ND [0.0705]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0687]	ND [0.0641]	ND [0.0745]	ND [0.0697]	ND [0.0744]	ND [0.0694]	ND [0.0664]	ND [0.0685]	ND [0.0705]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0687]	ND [0.0641]	ND [0.0745]	ND [0.0697]	ND [0.0744]	ND [0.0694]	ND [0.0664]	ND [0.0685]	ND [0.0705]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0687]	ND [0.0641]	ND [0.0745]	ND [0.0697]	ND [0.0744]	ND [0.0694]	ND [0.0664]	ND [0.0685]	ND [0.0705]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0687]	ND [0.0641]	ND [0.0745]	ND [0.0697]	ND [0.0744]	ND [0.0694]	ND [0.0664]	ND [0.0685]	ND [0.0705]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.94 [0.0687]	2.19 [0.0641]	0.788 [0.0745]	1.63 [0.0697]	0.767 [0.0744]	1.17 [0.0694]	1.54 [0.0664]	1.01 [0.0685]	1.19 [0.0705]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU027L 11PH-TU027-L3-B-6 1114791028 9/18/2011 SO SGSA	TU027L 11PH-TU027-L3-C-6 1114791029 9/18/2011 SO SGSA	TU027L 11PH-TU027-L3-D-6 1114791030 9/18/2011 SO SGSA	TU027L 11PH-TU027-L3-E-6 1114791036 9/18/2011 SO SGSA	TU027L 11PH-TU027-L4-D-6 1114791035 9/18/2011 SO SGSA	TU028L 11PH-TU028-L3-A-6 1114791037 9/18/2011 SO SGSA	TU028L 11PH-TU028-L3-C-6 1114791038 9/18/2011 SO SGSA	TU028L 11PH-TU028-L3-D-6 1114791040 9/18/2011 SO SGSA	TU028L 11PH-TU028-L3-F-6 1114791041 9/18/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0726]	ND [0.0696]	ND [0.0704]	ND [0.0703]	ND [0.0773]	ND [0.0724]	ND [0.0757]	ND [0.0734]	ND [0.0719]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0726]	ND [0.0696]	ND [0.0704]	ND [0.0703]	ND [0.0773]	ND [0.0724]	ND [0.0757]	ND [0.0734]	ND [0.0719]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0726]	ND [0.0696]	ND [0.0704]	ND [0.0703]	ND [0.0773]	ND [0.0724]	ND [0.0757]	ND [0.0734]	ND [0.0719]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0726]	ND [0.0696]	ND [0.0704]	ND [0.0703]	ND [0.0773]	ND [0.0724]	ND [0.0757]	ND [0.0734]	ND [0.0719]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0726]	ND [0.0696]	ND [0.0704]	ND [0.0703]	ND [0.0773]	ND [0.0724]	ND [0.0757]	ND [0.0734]	ND [0.0719]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0726]	ND [0.0696]	ND [0.0704]	ND [0.0703]	ND [0.0773]	ND [0.0724]	ND [0.0757]	ND [0.0734]	ND [0.0719]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.95 [0.0726]	1.42 [0.0696]	1.42 [0.0704]	1.26 [0.0703]	1.36 [0.0773]	1.43 [0.0724]	1.7 [0.0757]	0.92 [0.0734]	0.639 [0.0719]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU028L 11PH-TU028X-L3-C-6 1114791039 9/18/2011 SO SGSA	TU029L 11PH-TU029-L2-F-6 1114791002 9/18/2011 SO SGSA	TU029L 11PH-TU029-L2-G-6 1114791066 9/27/2011 SO SGSA	TU029L 11PH-TU029-L3-A-6 1114791042 9/18/2011 SO SGSA	TU029L 11PH-TU029-L3-A-6 1114791088 9/18/2011 SO SGSA	TU029L 11PH-TU029-L3-B-6 1114791043 9/18/2011 SO SGSA	TU029L 11PH-TU029-L3-C-6 1114791044 9/18/2011 SO SGSA	TU029L 11PH-TU029-L3-D-6 1114791045 9/18/2011 SO SGSA	TU029L 11PH-TU029-L4-D-6 1114791046 9/18/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0757]	ND [0.0597]	ND [0.0634]	ND [0.068]	ND [0.0913]	ND [0.0721]	ND [0.0713]	ND [0.0744]	ND [0.0743]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0757]	ND [0.0597]	ND [0.0634]	ND [0.068]	ND [0.0913]	ND [0.0721]	ND [0.0713]	ND [0.0744]	ND [0.0743]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0757]	ND [0.0597]	ND [0.0634]	ND [0.068]	ND [0.0913]	ND [0.0721]	ND [0.0713]	ND [0.0744]	ND [0.0743]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0757]	ND [0.0597]	ND [0.0634]	ND [0.068]	ND [0.0913]	ND [0.0721]	ND [0.0713]	ND [0.0744]	ND [0.0743]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0757]	ND [0.0597]	ND [0.0634]	ND [0.068]	ND [0.0913]	ND [0.0721]	ND [0.0713]	ND [0.0744]	ND [0.0743]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0757]	ND [0.0597]	ND [0.0634]	ND [0.068]	ND [0.0913]	ND [0.0721]	ND [0.0713]	ND [0.0744]	ND [0.0743]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.78 [0.0757]	1.52 [0.0597]	1.22 [0.0634]	1.29 [0.068]	1.74 [0.0913]	1.21 [0.0721]	1.25 [0.0713]	1.18 [0.0744]	0.618 [0.0743]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU030L 11PH-TU030-L2-D-6 1114791068 9/27/2011 SO SGSA	TU030L 11PH-TU030-L2-E-6 1114791067 9/27/2011 SO SGSA	TU031L 11PH-TU031-L2-A-6 1114791069 9/27/2011 SO SGSA	TU031L 11PH-TU031-L2-B-6 1114791072 9/27/2011 SO SGSA	TU031L 11PH-TU031-L2-E-6 1114791003 9/18/2011 SO SGSA	TU031L 11PH-TU031-L2-F-6 1114791047 9/27/2011 SO SGSA	TU031L 11PH-TU031-L2-G-6 1114791071 9/27/2011 SO SGSA	TU032L 11PH-TU032-L2-G-6 1114791004 9/18/2011 SO SGSA	TU032L 11PH-TU032-L4-D-6 1114791048 9/18/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.068]	ND [0.0613]	ND [0.0657]	ND [0.0586]	ND [0.0558]	ND [0.0577]	ND [0.0575]	ND [0.056]	ND [0.0576]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.068]	ND [0.0613]	ND [0.0657]	ND [0.0586]	ND [0.0558]	ND [0.0577]	ND [0.0575]	ND [0.056]	ND [0.0576]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.068]	ND [0.0613]	ND [0.0657]	ND [0.0586]	ND [0.0558]	ND [0.0577]	ND [0.0575]	ND [0.056]	ND [0.0576]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.068]	ND [0.0613]	ND [0.0657]	ND [0.0586]	ND [0.0558]	ND [0.0577]	ND [0.0575]	ND [0.056]	ND [0.0576]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.068]	ND [0.0613]	ND [0.0657]	ND [0.0586]	ND [0.0558]	ND [0.0577]	ND [0.0575]	ND [0.056]	ND [0.0576]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.068]	ND [0.0613]	ND [0.0657]	ND [0.0586]	ND [0.0558]	ND [0.0577]	ND [0.0575]	ND [0.056]	ND [0.0576]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.13 [0.068]	1.15 [0.0613]	3.86 [0.328]	0.963 [0.0586]	1.47 [0.0558]	0.464 [0.0577]	0.708 [0.0575]	0.789 [0.056]	0.455 [0.0576]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU032L 11PH-TU032-L4-D-6 1114791076 9/18/2011 SO SGSA	TU033L 11PH-TU033-L2-G-6 1114791005 9/18/2011 SO SGSA	TU033L 11PH-TU033-L3-A-6 1114791015 9/28/2011 SO SGSA	TU033L 11PH-TU033-L3-B-6 1114791016 9/28/2011 SO SGSA	TU033L 11PH-TU033-L3-C-6 1114791017 9/28/2011 SO SGSA	TU034L 11PH-TU034-L2-C-6 1114791049 9/18/2011 SO SGSA	TU034L 11PH-TU034-L2-D-6 1114791006 9/18/2011 SO SGSA	TU034L 11PH-TU034-L2-D-6 1114791085 9/18/2011 SO SGSA	TU035R 11PH-TU035-R2-D-6 1114791007 9/22/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0589]	ND [0.0559]	ND [0.0585]	ND [0.059]	ND [0.0595]	ND [0.0559]	ND [0.0575]	ND [0.0556]	ND [0.0878]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0589]	ND [0.0559]	ND [0.0585]	ND [0.059]	ND [0.0595]	ND [0.0559]	ND [0.0575]	ND [0.0556]	ND [0.0878]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0589]	ND [0.0559]	ND [0.0585]	ND [0.059]	ND [0.0595]	ND [0.0559]	ND [0.0575]	ND [0.0556]	ND [0.0878]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0589]	ND [0.0559]	ND [0.0585]	ND [0.059]	ND [0.0595]	ND [0.0559]	ND [0.0575]	ND [0.0556]	ND [0.0878]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0589]	ND [0.0559]	ND [0.0585]	ND [0.059]	ND [0.0595]	ND [0.0559]	ND [0.0575]	ND [0.0556]	ND [0.0878]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0589]	ND [0.0559]	ND [0.0585]	ND [0.059]	ND [0.0595]	ND [0.0559]	ND [0.0575]	ND [0.0556]	ND [0.0878]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.534 [0.0589]	0.788 [0.0559]	0.676 [0.0585]	0.745 [0.059]	0.0952 [0.0595]	0.776 [0.0559]	0.68 [0.0575]	0.843 [0.0556]	2.23 [0.0878]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU036L 11PH-TU036-L2-C-6 1114791018 9/28/2011 SO SGSA	TU036R 11PH-TU036-R2-B-6 1114791008 9/22/2011 SO SGSA	TU037L 11PH-TU037-L3-F-6 1114791050 9/20/2011 SO SGSA	TU037L 11PH-TU037-L3-G-6 1114791051 9/20/2011 SO SGSA	TU037L 11PH-TU037-L4-D-6 1114791019 9/28/2011 SO SGSA	TU038L 11PH-TU038-L2-B-6 1114791009 9/20/2011 SO SGSA	TU038L 11PH-TU038-L2-C-6 1114791052 9/20/2011 SO SGSA	TU038L 11PH-TU038-L3-D-6 1114791053 9/20/2011 SO SGSA	TU038L 11PH-TU038-L3-E-6 1114791070 9/20/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0593]	ND [0.197]	ND [0.0666]	ND [0.0686]	ND [0.059]	ND [0.0625]	ND [0.0641]	ND [0.0836]	ND [0.0826]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0593]	ND [0.197]	ND [0.0666]	ND [0.0686]	ND [0.059]	ND [0.0625]	ND [0.0641]	ND [0.0836]	ND [0.0826]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0593]	ND [0.197]	ND [0.0666]	ND [0.0686]	ND [0.059]	ND [0.0625]	ND [0.0641]	ND [0.0836]	ND [0.0826]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0593]	ND [0.197]	ND [0.0666]	ND [0.0686]	ND [0.059]	ND [0.0625]	ND [0.0641]	ND [0.0836]	ND [0.0826]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0593]	ND [0.197]	ND [0.0666]	ND [0.0686]	ND [0.059]	ND [0.0625]	ND [0.0641]	ND [0.0836]	ND [0.0826]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0593]	ND [0.197]	ND [0.0666]	ND [0.0686]	ND [0.059]	ND [0.0625]	ND [0.0641]	ND [0.0836]	ND [0.0826]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	5.58 [0.297]	2.74 [0.197]	0.832 [0.0666]	0.961 [0.0686]	ND [0.059]	1.95 [0.0625]	1.43 [0.0641]	1.46 [0.0836]	2.73 [0.0826]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU038L 11PH-TU038-L4-D-6 1114791054 9/20/2011 SO SGSA	TU039L 11PH-TU039-L2-D-6 1114791020 9/28/2011 SO SGSA	TU039L 11PH-TU039-L4-D-6 1114791031 9/28/2011 SO SGSA	TU040L 11PH-TU040-L2-D-6 1114791021 9/28/2011 SO SGSA	TU041L 11PH-TU041-L2-D-6 1114791032 9/28/2011 SO SGSA	TU042L 11PH-TU042-L2-D-6 1114791022 9/28/2011 SO SGSA	TU042L 11PH-TU042X-L2-D-6 1114791023 9/28/2011 SO SGSA	SS009 11PH-SS009-A0-6 1114792008 9/23/2011 SO SGSA	SS009 11PH-SS009-B0-6 1114792009 9/23/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0726]	ND [0.0714]	ND [0.0793]	ND [0.0735]	ND [0.0645]	ND [0.0666]	ND [0.0665]	ND [0.0639]	ND [0.077]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0726]	ND [0.0714]	ND [0.0793]	ND [0.0735]	ND [0.0645]	ND [0.0666]	ND [0.0665]	ND [0.0639]	ND [0.077]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0726]	ND [0.0714]	ND [0.0793]	ND [0.0735]	ND [0.0645]	ND [0.0666]	ND [0.0665]	ND [0.0639]	ND [0.077]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0726]	ND [0.0714]	ND [0.0793]	ND [0.0735]	ND [0.0645]	ND [0.0666]	ND [0.0665]	ND [0.0639]	ND [0.077]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0726]	ND [0.0714]	ND [0.0793]	ND [0.0735]	ND [0.0645]	ND [0.0666]	ND [0.0665]	ND [0.0639]	ND [0.077]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0726]	ND [0.0714]	ND [0.0793]	ND [0.0735]	ND [0.0645]	ND [0.0666]	ND [0.0665]	ND [0.0639]	ND [0.077]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.42 [0.0726]	8.05 [0.357]	5.51 [0.397]	1.88 [0.0735]	1.37 [0.0645]	1.73 [0.0666]	1.77 [0.0665]	2.51 [0.0639]	2.91 [0.077]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS009 11PH-SS009-F0-6 1114792010 9/23/2011 SO SGSA	SS010 11PH-SS010-A0-6 1114792040 9/23/2011 SO SGSA	SS010 11PH-SS010-B0-6 1114792041 9/23/2011 SO SGSA	SS010 11PH-SS010-B5-6 1114792046 9/24/2011 SO SGSA	SS010 11PH-SS010-C5-6 1114792047 9/24/2011 SO SGSA	SS010 11PH-SS010-D5-6 1114792049 9/24/2011 SO SGSA	SS010 11PH-SS010-E0-6 1114792042 9/23/2011 SO SGSA	SS010 11PH-SS010-E5-6 1114792050 9/24/2011 SO SGSA	SS010 11PH-SS010-F0-6 1114792043 9/23/2011 SO SGSA	SS010 11PH-SS010-G0-6 1114792044 9/23/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0629]	ND [0.0707]	ND [0.225]	ND [0.0631]	ND [0.0594]	ND [0.0622]	ND [0.0675]	ND [0.0621]	ND [0.165]	ND [0.172]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0629]	ND [0.0707]	ND [0.225]	ND [0.0631]	ND [0.0594]	ND [0.0622]	ND [0.0675]	ND [0.0621]	ND [0.165]	ND [0.172]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0629]	ND [0.0707]	ND [0.225]	ND [0.0631]	ND [0.0594]	ND [0.0622]	ND [0.0675]	ND [0.0621]	ND [0.165]	ND [0.172]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0629]	ND [0.0707]	ND [0.225]	ND [0.0631]	ND [0.0594]	ND [0.0622]	ND [0.0675]	ND [0.0621]	ND [0.165]	ND [0.172]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0629]	ND [0.0707]	ND [0.225]	ND [0.0631]	ND [0.0594]	ND [0.0622]	ND [0.0675]	ND [0.0621]	ND [0.165]	ND [0.172]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0629]	ND [0.0707]	ND [0.225]	ND [0.0631]	ND [0.0594]	ND [0.0622]	ND [0.0675]	ND [0.0621]	ND [0.165]	ND [0.172]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	2.47 [0.0629]	2.43 [0.0707]	2.37 [0.225]	1.64 [0.0631]	1.77 [0.0594]	1.15 [0.0622]	2.41 [0.0675]	1.62 [0.0621]	2.2 [0.165]	1.93 [0.172]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS010 11PH-SS010X-C5-6 1114792048 9/24/2011 SO SGSA	SS011 11PH-SS011-A0-6 1114792017 9/23/2011 SO SGSA	SS011 11PH-SS011-B0-6 1114792018 9/23/2011 SO SGSA	SS011 11PH-SS011-B5-6 1114792022 9/23/2011 SO SGSA	SS011 11PH-SS011-C5-6 1114792023 9/23/2011 SO SGSA	SS011 11PH-SS011-D0-6 1114792019 9/23/2011 SO SGSA	SS011 11PH-SS011-E0-6 1114792020 9/23/2011 SO SGSA	SS011 11PH-SS011-F0-6 1114792021 9/23/2011 SO SGSA	SS025 11PH-SS025-D5-6 1114792066 9/22/2011 SO SGSA	TU004-L 11PH-TU004-L-125-6 1114792007 9/27/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0594]	ND [0.0704]	ND [0.0607]	ND [0.0718]	ND [0.0673]	ND [0.0583]	ND [0.0585]	ND [0.0576]	ND [0.0584]	ND [0.0651]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0594]	ND [0.0704]	ND [0.0607]	ND [0.0718]	ND [0.0673]	ND [0.0583]	ND [0.0585]	ND [0.0576]	ND [0.0584]	ND [0.0651]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0594]	ND [0.0704]	ND [0.0607]	ND [0.0718]	ND [0.0673]	ND [0.0583]	ND [0.0585]	ND [0.0576]	ND [0.0584]	ND [0.0651]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0594]	ND [0.0704]	ND [0.0607]	ND [0.0718]	ND [0.0673]	ND [0.0583]	ND [0.0585]	ND [0.0576]	ND [0.0584]	ND [0.0651]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0594]	ND [0.0704]	ND [0.0607]	ND [0.0718]	ND [0.0673]	ND [0.0583]	ND [0.0585]	ND [0.0576]	ND [0.0584]	ND [0.0651]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0594]	ND [0.0704]	ND [0.0607]	ND [0.0718]	ND [0.0673]	ND [0.0583]	ND [0.0585]	ND [0.0576]	ND [0.0584]	ND [0.0651]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.99 [0.0594]	1.71 [0.0704]	1.67 [0.0607]	1.64 [0.0718]	1.13 [0.0673]	1.16 [0.0583]	1.91 [0.0585]	0.979 [0.0576]	0.693 [0.0584]	1.11 [0.0651]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU009L 11PH-TU009-L1-A-6 1114792011 9/23/2011 SO SGSA	TU009L 11PH-TU009-L1-B-6 1114792012 9/23/2011 SO SGSA	TU009L 11PH-TU009-L1-C-6 1114792013 9/23/2011 SO SGSA	TU009L 11PH-TU009-L1-D-6 1114792014 9/23/2011 SO SGSA	TU009L 11PH-TU009-L1-E-6 1114792015 9/23/2011 SO SGSA	TU009L 11PH-TU009-L1-F-6 1114792016 9/23/2011 SO SGSA	TU010L 11PH-TU010-L1-B-6 1114792045 9/23/2011 SO SGSA	TU010R 11PH-TU010-R1-A-6 1114792051 9/24/2011 SO SGSA	TU010R 11PH-TU010-R1-B-6 1114792052 9/24/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0666]	ND [0.0722]	ND [0.0755]	ND [0.0619]	ND [0.0626]	ND [0.0635]	ND [0.0678]	ND [0.0694]	ND [0.0634]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0666]	ND [0.0722]	ND [0.0755]	ND [0.0619]	ND [0.0626]	ND [0.0635]	ND [0.0678]	ND [0.0694]	ND [0.0634]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0666]	ND [0.0722]	ND [0.0755]	ND [0.0619]	ND [0.0626]	ND [0.0635]	ND [0.0678]	ND [0.0694]	ND [0.0634]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0666]	ND [0.0722]	ND [0.0755]	ND [0.0619]	ND [0.0626]	ND [0.0635]	ND [0.0678]	ND [0.0694]	ND [0.0634]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0666]	ND [0.0722]	ND [0.0755]	ND [0.0619]	ND [0.0626]	ND [0.0635]	ND [0.0678]	ND [0.0694]	ND [0.0634]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0666]	ND [0.0722]	ND [0.0755]	ND [0.0619]	ND [0.0626]	ND [0.0635]	ND [0.0678]	ND [0.0694]	ND [0.0634]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	2.34 [0.0666]	2.57 [0.0722]	4.98 [0.377]	1.79 [0.0619]	3.32 [0.313]	1.71 [0.0635]	1.95 [0.0678]	1.16 [0.0694]	0.955 [0.0634]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU010R 11PH-TU010-R1-C-6 1114792053 9/24/2011 SO SGSA	TU010R 11PH-TU010-R1-E-6 1114792054 9/24/2011 SO SGSA	TU010R 11PH-TU010-R1-G-6 1114792055 9/24/2011 SO SGSA	TU011R 11PH-TU011-R1-A-6 1114792024 9/23/2011 SO SGSA	TU011R 11PH-TU011-R1-B-6 1114792025 9/23/2011 SO SGSA	TU011R 11PH-TU011-R1-D-6 1114792026 9/23/2011 SO SGSA	TU011R 11PH-TU011-R1-F-6 1114792028 9/23/2011 SO SGSA	TU011R 11PH-TU011-R1-G-6 1114792029 9/23/2011 SO SGSA	TU011R 11PH-TU011X-R1-D-6 1114792027 9/23/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0591]	ND [0.0631]	ND [0.0666]	ND [0.0715]	ND [0.0679]	ND [0.0633]	ND [0.062]	ND [0.0609]	ND [0.0632]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0591]	ND [0.0631]	ND [0.0666]	ND [0.0715]	ND [0.0679]	ND [0.0633]	ND [0.062]	ND [0.0609]	ND [0.0632]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0591]	ND [0.0631]	ND [0.0666]	ND [0.0715]	ND [0.0679]	ND [0.0633]	ND [0.062]	ND [0.0609]	ND [0.0632]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0591]	ND [0.0631]	ND [0.0666]	ND [0.0715]	ND [0.0679]	ND [0.0633]	ND [0.062]	ND [0.0609]	ND [0.0632]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0591]	ND [0.0631]	ND [0.0666]	ND [0.0715]	ND [0.0679]	ND [0.0633]	ND [0.062]	ND [0.0609]	ND [0.0632]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0591]	ND [0.0631]	ND [0.0666]	ND [0.0715]	ND [0.0679]	ND [0.0633]	ND [0.062]	ND [0.0609]	ND [0.0632]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.704 [0.0591]	0.922 [0.0631]	0.888 [0.0666]	1.08 [0.0715]	1.1 [0.0679]	0.554 [0.0633]	0.606 [0.062]	0.566 [0.0609]	0.561 [0.0632]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU013L 11PH-TU013-L1-E-6 1114792001 9/23/2011 SO SGSA	TU013L 11PH-TU013-L1-F-6 1114792002 9/23/2011 SO SGSA	TU013R 11PH-TU013-R1-A-6 1114792003 9/23/2011 SO SGSA	TU013R 11PH-TU013-R1-B-6 1114792004 9/23/2011 SO SGSA	TU013R 11PH-TU013-R1-C-6 1114792005 9/23/2011 SO SGSA	TU013R 11PH-TU013X-R1-C-6 1114792006 9/23/2011 SO SGSA	TU022L 11PH-TU022-L1-F-6 1114792056 9/17/2011 SO SGSA	TU022R 11PH-TU022-R1-B-6 1114792067 9/22/2011 SO SGSA	TU022R 11PH-TU022-R1-C-6 1114792070 9/22/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0677]	ND [0.0729]	ND [0.0665]	ND [0.0669]	ND [0.0683]	ND [0.0682]	ND [0.0662]	ND [0.0653]	ND [0.0643]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0677]	ND [0.0729]	ND [0.0665]	ND [0.0669]	ND [0.0683]	ND [0.0682]	ND [0.0662]	ND [0.0653]	ND [0.0643]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0677]	ND [0.0729]	ND [0.0665]	ND [0.0669]	ND [0.0683]	ND [0.0682]	ND [0.0662]	ND [0.0653]	ND [0.0643]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0677]	ND [0.0729]	ND [0.0665]	ND [0.0669]	ND [0.0683]	ND [0.0682]	ND [0.0662]	ND [0.0653]	ND [0.0643]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0677]	ND [0.0729]	ND [0.0665]	ND [0.0669]	ND [0.0683]	ND [0.0682]	ND [0.0662]	ND [0.0653]	ND [0.0643]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0677]	ND [0.0729]	ND [0.0665]	ND [0.0669]	ND [0.0683]	ND [0.0682]	ND [0.0662]	ND [0.0653]	ND [0.0643]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	2.42 [0.0677]	4.23 [0.364]	1.1 [0.0665]	1.16 [0.0669]	1.31 [0.0683]	1.59 [0.0682]	3.71 [0.331]	2.44 [0.0653]	0.932 [0.0643]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU022R 11PH-TU022-R1-D-6 1114792068 9/22/2011 SO SGSA	TU022R 11PH-TU022-R1-E-6 1114792071 9/22/2011 SO SGSA	TU022R 11PH-TU022-R1-F-6 1114792072 9/22/2011 SO SGSA	TU022R 11PH-TU022X-R1-D-6 1114792069 9/22/2011 SO SGSA	TU024L 11PH-TU024-L2-B-6 1114792030 9/17/2011 SO SGSA	TU024R 11PH-TU024-R2-D-6 1114792057 9/26/2011 SO SGSA	TU024R 11PH-TU024-R2-E-6 1114792058 9/26/2011 SO SGSA	TU024R 11PH-TU024-R2-F-6 1114792059 9/26/2011 SO SGSA	TU025L 11PH-TU025-L2-C-6 1114792032 9/17/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0607]	ND [0.0625]	ND [0.0626]	ND [0.0606]	ND [0.0689]	ND [0.065]	ND [0.0712]	ND [0.0672]	ND [0.0698]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0607]	ND [0.0625]	ND [0.0626]	ND [0.0606]	ND [0.0689]	ND [0.065]	ND [0.0712]	ND [0.0672]	ND [0.0698]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0607]	ND [0.0625]	ND [0.0626]	ND [0.0606]	ND [0.0689]	ND [0.065]	ND [0.0712]	ND [0.0672]	ND [0.0698]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0607]	ND [0.0625]	ND [0.0626]	ND [0.0606]	ND [0.0689]	ND [0.065]	ND [0.0712]	ND [0.0672]	ND [0.0698]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0607]	ND [0.0625]	ND [0.0626]	ND [0.0606]	ND [0.0689]	ND [0.065]	ND [0.0712]	ND [0.0672]	ND [0.0698]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0607]	ND [0.0625]	ND [0.0626]	ND [0.0606]	ND [0.0689]	ND [0.065]	ND [0.0712]	ND [0.0672]	ND [0.0698]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.861 [0.0607]	1.09 [0.0625]	1.81 [0.0626]	0.873 [0.0606]	1.42 [0.0689]	3.86 [0.325]	4.66 [0.356]	2.49 [0.0672]	1.88 [0.0698]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU025L 11PH-TU025-L2-G-6 1114792031 9/17/2011 SO SGSA	TU025R 11PH-TU025-R2-C-6 1114792060 9/26/2011 SO SGSA	TU025R 11PH-TU025-R2-D-6 1114792061 9/26/2011 SO SGSA	TU026L 11PH-TU026-L2-C-6 1114792034 9/17/2011 SO SGSA	TU026L 11PH-TU026-L2-E-6 1114792033 9/17/2011 SO SGSA	TU026R 11PH-TU026-R2-G-6 1114792062 9/26/2011 SO SGSA	TU026R 11PH-TU027-R2-A-6 1114792064 9/26/2011 SO SGSA	TU026R 11PH-TU027-R2-D-6 1114792063 9/26/2011 SO SGSA	TU027L 11PH-TU027-L2-F-6 1114792035 9/18/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0696]	ND [0.0663]	ND [0.0679]	ND [0.0654]	ND [0.0664]	ND [0.0614]	ND [0.0632]	ND [0.0712]	ND [0.0687]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0696]	ND [0.0663]	ND [0.0679]	ND [0.0654]	ND [0.0664]	ND [0.0614]	ND [0.0632]	ND [0.0712]	ND [0.0687]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0696]	ND [0.0663]	ND [0.0679]	ND [0.0654]	ND [0.0664]	ND [0.0614]	ND [0.0632]	ND [0.0712]	ND [0.0687]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0696]	ND [0.0663]	ND [0.0679]	ND [0.0654]	ND [0.0664]	ND [0.0614]	ND [0.0632]	ND [0.0712]	ND [0.0687]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0696]	ND [0.0663]	ND [0.0679]	ND [0.0654]	ND [0.0664]	ND [0.0614]	ND [0.0632]	ND [0.0712]	ND [0.0687]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0696]	ND [0.0663]	ND [0.0679]	ND [0.0654]	ND [0.0664]	ND [0.0614]	ND [0.0632]	ND [0.0712]	ND [0.0687]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.49 [0.0696]	2.23 [0.0663]	1.92 [0.0679]	1.17 [0.0654]	1.4 [0.0664]	1.44 [0.0614]	1.7 [0.0632]	6.76 [0.356]	1.9 [0.0687]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU028L 11PH-TU028-L2-G-6 1114792036 9/18/2011 SO SGSA	TU029L 11PH-TU029-L2-D-6 1114792037 9/18/2011 SO SGSA	TU029L 11PH-TU029-L2-E-6 1114792038 9/18/2011 SO SGSA	SS016 11PH-SS016-C0-6 1115012003 9/23/2011 SO SGSA	SS087 11PH-SS087-A5-6 1115012013 9/29/2011 SO SGSA	SS087 11PH-SS087-B5-6 1115012016 9/29/2011 SO SGSA	SS087 11PH-SS087-C5-6 1115012018 9/29/2011 SO SGSA	SS087 11PH-SS087X-B5-6 1115012017 9/29/2011 SO SGSA	SS088 11PH-SS088-C5-6 1115012019 9/29/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0697]	ND [0.0708]	ND [0.0671]	ND [0.0653]	ND [0.0567]	ND [0.0581]	ND [0.0614]	ND [0.0588]	ND [0.0583]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0697]	ND [0.0708]	ND [0.0671]	ND [0.0653]	ND [0.0567]	ND [0.0581]	ND [0.0614]	ND [0.0588]	ND [0.0583]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0697]	ND [0.0708]	ND [0.0671]	ND [0.0653]	ND [0.0567]	ND [0.0581]	ND [0.0614]	ND [0.0588]	ND [0.0583]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0697]	ND [0.0708]	ND [0.0671]	ND [0.0653]	ND [0.0567]	ND [0.0581]	ND [0.0614]	ND [0.0588]	ND [0.0583]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0697]	ND [0.0708]	ND [0.0671]	ND [0.0653]	ND [0.0567]	ND [0.0581]	ND [0.0614]	ND [0.0588]	ND [0.0583]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0697]	ND [0.0708]	ND [0.0671]	ND [0.0653]	ND [0.0567]	ND [0.0581]	ND [0.0614]	ND [0.0588]	ND [0.0583]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.895 [0.0697]	1.11 [0.0708]	1.15 [0.0671]	2.43 [0.0653]	0.484 [0.0567] JM-	0.575 [0.0581]	0.767 [0.0614]	0.546 [0.0588]	0.99 [0.0583]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS090 11PH-SS090-A5-6 1115012026 9/29/2011 SO SGSA	SS090 11PH-SS090-C5-6 1115012027 9/29/2011 SO SGSA	SS090 11PH-SS090-D5-6 1115012028 9/29/2011 SO SGSA	SS090 11PH-SS090-F5-6 1115012029 9/29/2011 SO SGSA	SS090 11PH-SS090-G5-6 1115012030 9/29/2011 SO SGSA	TU015L 11PH-TU015-L1-E-6 1115012001 9/23/2011 SO SGSA	TU015L 11PH-TU015-L1-F-6 1115012002 9/23/2011 SO SGSA	TU016L 11PH-TU016-L1-A-6 1115012004 9/23/2011 SO SGSA	TU016L 11PH-TU016-L1-B-6 1115012005 9/23/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0638]	ND [0.0631]	ND [0.0629]	ND [0.0558]	ND [0.0586]	ND [0.0639]	ND [0.0626]	ND [0.0716]	ND [0.0666]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0638]	ND [0.0631]	ND [0.0629]	ND [0.0558]	ND [0.0586]	ND [0.0639]	ND [0.0626]	ND [0.0716]	ND [0.0666]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0638]	ND [0.0631]	ND [0.0629]	ND [0.0558]	ND [0.0586]	ND [0.0639]	ND [0.0626]	ND [0.0716]	ND [0.0666]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0638]	ND [0.0631]	ND [0.0629]	ND [0.0558]	ND [0.0586]	ND [0.0639]	ND [0.0626]	ND [0.0716]	ND [0.0666]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0638]	ND [0.0631]	ND [0.0629]	ND [0.0558]	ND [0.0586]	ND [0.0639]	ND [0.0626]	ND [0.0716]	ND [0.0666]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0638]	ND [0.0631]	ND [0.0629]	ND [0.0558]	ND [0.0586]	ND [0.0639]	ND [0.0626]	ND [0.0716]	ND [0.0666]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.958 [0.0638]	1.34 [0.0631]	1.04 [0.0629]	0.817 [0.0558]	1.02 [0.0586]	0.997 [0.0639]	1.16 [0.0626]	1.56 [0.0716]	2.11 [0.0666]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU016L 11PH-TU016-L1-C-6 1115012006 9/23/2011 SO SGSA	TU016L 11PH-TU016-L1-D-6 1115012008 9/23/2011 SO SGSA	TU016L 11PH-TU016-L1-E-6 1115012009 9/23/2011 SO SGSA	TU016L 11PH-TU016-L1-G-6 1115012010 9/23/2011 SO SGSA	TU016L 11PH-TU016X-L1-C-6 1115012007 9/23/2011 SO SGSA	TU016R 11PH-TU016-R1-F-6 1115012011 9/23/2011 SO SGSA	TU016R 11PH-TU016-R1-G-6 1115012012 9/23/2011 SO SGSA	TU088R 11PH-TU088-R1-B-6 1115012022 9/29/2011 SO SGSA	TU089R 11PH-TU089-R1-B-6 1115012023 9/29/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0676]	ND [0.0658]	ND [0.0629]	ND [0.0695]	ND [0.0669]	ND [0.0685]	ND [0.0689]	ND [0.0626]	ND [0.0613]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0676]	ND [0.0658]	ND [0.0629]	ND [0.0695]	ND [0.0669]	ND [0.0685]	ND [0.0689]	ND [0.0626]	ND [0.0613]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0676]	ND [0.0658]	ND [0.0629]	ND [0.0695]	ND [0.0669]	ND [0.0685]	ND [0.0689]	ND [0.0626]	ND [0.0613]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0676]	ND [0.0658]	ND [0.0629]	ND [0.0695]	ND [0.0669]	ND [0.0685]	ND [0.0689]	ND [0.0626]	ND [0.0613]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0676]	ND [0.0658]	ND [0.0629]	ND [0.0695]	ND [0.0669]	ND [0.0685]	ND [0.0689]	ND [0.0626]	ND [0.0613]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0676]	ND [0.0658]	ND [0.0629]	ND [0.0695]	ND [0.0669]	ND [0.0685]	ND [0.0689]	ND [0.0626]	ND [0.0613]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.73 [0.0676]	1.47 [0.0658]	1.22 [0.0629]	2.37 [0.0695]	1.68 [0.0669]	1.41 [0.0685]	2.04 [0.0689]	0.643 [0.0626]	0.602 [0.0613]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU089R 11PH-TU089-R1-D-6 1115012024 9/29/2011 SO SGSA	TU089R 11PH-TU089-R1-E-6 1115012025 9/29/2011 SO SGSA	SS001 11PH-SS001-G5-6 1115057029 9/30/2011 SO SGSA	SS088 11PH-SS088-B0-6 1115057003 9/29/2011 SO SGSA	SS088 11PH-SS088-C0-6 1115057004 9/29/2011 SO SGSA	SS088 11PH-SS088-E0-6 1115057005 9/29/2011 SO SGSA	SS088 11PH-SS088-F0-6 1115057008 9/29/2011 SO SGSA	SS088 11PH-SS088-G0-6 1115057009 9/29/2011 SO SGSA	SS089 11PH-SS089-C0-6 1115057015 9/29/2011 SO SGSA	SS089 11PH-SS089-D0-6 1115057016 9/29/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0625]	ND [0.0646]	ND [0.0624]	ND [0.0613]	ND [0.0619]	ND [0.0626]	ND [0.063]	ND [0.0625]	ND [0.0601]	ND [0.0613]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0625]	ND [0.0646]	ND [0.0624]	ND [0.0613]	ND [0.0619]	ND [0.0626]	ND [0.063]	ND [0.0625]	ND [0.0601]	ND [0.0613]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0625]	ND [0.0646]	ND [0.0624]	ND [0.0613]	ND [0.0619]	ND [0.0626]	ND [0.063]	ND [0.0625]	ND [0.0601]	ND [0.0613]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0625]	ND [0.0646]	ND [0.0624]	ND [0.0613]	ND [0.0619]	ND [0.0626]	ND [0.063]	ND [0.0625]	ND [0.0601]	ND [0.0613]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0625]	ND [0.0646]	ND [0.0624]	ND [0.0613]	ND [0.0619]	ND [0.0626]	ND [0.063]	ND [0.0625]	ND [0.0601]	ND [0.0613]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0625]	ND [0.0646]	ND [0.0624]	ND [0.0613]	ND [0.0619]	ND [0.0626]	ND [0.063]	ND [0.0625]	ND [0.0601]	ND [0.0613]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.961 [0.0625]	1.11 [0.0646]	1.14 [0.0624]	0.61 [0.0613]	0.814 [0.0619]	1.13 [0.0626]	0.921 [0.063]	0.536 [0.0625]	0.828 [0.0601]	0.632 [0.0613]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS089 11PH-SS089-E0-6 1115057017 9/29/2011 SO SGSA	SS089 11PH-SS089-G0-6 1115057018 9/29/2011 SO SGSA	SS090 11PH-SS090-C0-6 1115057022 9/29/2011 SO SGSA	SS090 11PH-SS090-D0-6 1115057023 9/29/2011 SO SGSA	SS090 11PH-SS090-E0-6 1115057024 9/29/2011 SO SGSA	TU001R 11PH-TU001-R1-A-6 1115057030 9/30/2011 SO SGSA	TU001R 11PH-TU001-R1-B-6 1115057031 9/30/2011 SO SGSA	TU001R 11PH-TU001-R1-F-6 1115057051 9/30/2011 SO SGSA	TU012L 11PH-TU012-L2-B-6 1115057032 10/1/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0616]	ND [0.0616]	ND [0.0623]	ND [0.0604]	ND [0.0606]	ND [0.0608]	ND [0.0595]	ND [0.062]	ND [0.0604]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0616]	ND [0.0616]	ND [0.0623]	ND [0.0604]	ND [0.0606]	ND [0.0608]	ND [0.0595]	ND [0.062]	ND [0.0604]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0616]	ND [0.0616]	ND [0.0623]	ND [0.0604]	ND [0.0606]	ND [0.0608]	ND [0.0595]	ND [0.062]	ND [0.0604]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0616]	ND [0.0616]	ND [0.0623]	ND [0.0604]	ND [0.0606]	ND [0.0608]	ND [0.0595]	ND [0.062]	ND [0.0604]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0616]	ND [0.0616]	ND [0.0623]	ND [0.0604]	ND [0.0606]	ND [0.0608]	ND [0.0595]	ND [0.062]	ND [0.0604]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0616]	ND [0.0616]	ND [0.0623]	ND [0.0604]	ND [0.0606]	ND [0.0608]	ND [0.0595]	ND [0.062]	ND [0.0604]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.728 [0.0616]	0.988 [0.0616]	1.12 [0.0623]	0.908 [0.0604]	1.07 [0.0606]	1.01 [0.0608]	0.968 [0.0595]	0.901 [0.062]	0.905 [0.0604]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU012L 11PH-TU012-L3-B-6 1115057052 10/3/2011 SO SGSA	TU012L 11PH-TU012-L4-C-6 1115057053 10/3/2011 SO SGSA	TU012L 11PH-TU012X-L2-B-6 1115057033 10/1/2011 SO SGSA	TU013L 11PH-TU013-L3-G-6 1115057034 10/1/2011 SO SGSA	TU014L 11PH-TU014-L2-C-6 1115057054 10/3/2011 SO SGSA	TU014L 11PH-TU014-L3-B-6 1115057056 10/3/2011 SO SGSA	TU014L 11PH-TU014-L4-A-6 1115057057 10/3/2011 SO SGSA	TU014L 11PH-TU014X-L2-C-6 1115057055 10/3/2011 SO SGSA	TU015L 11PH-TU015-L3-G-6 1115057058 10/3/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0631]	ND [0.0655]	ND [0.0605]	ND [0.0732]	ND [0.0643]	ND [0.237]	ND [0.0673]	ND [0.0645]	ND [0.0735]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0631]	ND [0.0655]	ND [0.0605]	ND [0.0732]	ND [0.0643]	ND [0.237]	ND [0.0673]	ND [0.0645]	ND [0.0735]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0631]	ND [0.0655]	ND [0.0605]	ND [0.0732]	ND [0.0643]	ND [0.237]	ND [0.0673]	ND [0.0645]	ND [0.0735]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0631]	ND [0.0655]	ND [0.0605]	ND [0.0732]	ND [0.0643]	ND [0.237]	ND [0.0673]	ND [0.0645]	ND [0.0735]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0631]	ND [0.0655]	ND [0.0605]	ND [0.0732]	ND [0.0643]	ND [0.237]	ND [0.0673]	ND [0.0645]	ND [0.0735]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0631]	ND [0.0655]	ND [0.0605]	ND [0.0732]	ND [0.0643]	ND [0.237]	ND [0.0673]	ND [0.0645]	ND [0.0735]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.04 [0.0631]	0.876 [0.0655]	0.977 [0.0605]	1.36 [0.0732]	1.25 [0.0643]	1.64 [0.237]	0.799 [0.0673]	1.21 [0.0645]	0.983 [0.0735]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU016L 11PH-TU016-L2-B-6 1115057059 10/3/2011 SO SGSA	TU016L 11PH-TU016-L3-C-6 1115057060 10/3/2011 SO SGSA	TU016L 11PH-TU016-L3-D-6 1115057035 10/1/2011 SO SGSA	TU016L 11PH-TU016-L3-E-6 1115057061 10/3/2011 SO SGSA	TU016L 11PH-TU016-L3-F-6 1115057062 10/3/2011 SO SGSA	TU025L 11PH-TU025-L3-E-6 1115057036 9/17/2011 SO SGSA	TU026L 11PH-TU026-L4-C-6 1115057037 9/17/2011 SO SGSA	TU026R 11PH-TU026-R2-A-6 1115057063 10/3/2011 SO SGSA	TU026R 11PH-TU026-R3-C-6 1115057038 10/1/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0685]	ND [0.0745]	ND [0.0668]	ND [0.0666]	ND [0.0651]	ND [0.0753]	ND [0.0718]	ND [0.062]	ND [0.0589]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0685]	ND [0.0745]	ND [0.0668]	ND [0.0666]	ND [0.0651]	ND [0.0753]	ND [0.0718]	ND [0.062]	ND [0.0589]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0685]	ND [0.0745]	ND [0.0668]	ND [0.0666]	ND [0.0651]	ND [0.0753]	ND [0.0718]	ND [0.062]	ND [0.0589]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0685]	ND [0.0745]	ND [0.0668]	ND [0.0666]	ND [0.0651]	ND [0.0753]	ND [0.0718]	ND [0.062]	ND [0.0589]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0685]	ND [0.0745]	ND [0.0668]	ND [0.0666]	ND [0.0651]	ND [0.0753]	ND [0.0718]	ND [0.062]	ND [0.0589]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0685]	ND [0.0745]	ND [0.0668]	ND [0.0666]	ND [0.0651]	ND [0.0753]	ND [0.0718]	ND [0.062]	ND [0.0589]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	2.09 [0.0685]	1.7 [0.0745]	1.26 [0.0668]	1.36 [0.0666]	2.03 [0.0651]	1.15 [0.0753]	0.527 [0.0718]	1.4 [0.062]	0.513 [0.0589]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU026R 11PH-TU026-R3-E-6 1115057039 10/1/2011 SO SGSA	TU028R 11PH-TU028-R2-F-6 1115057064 10/3/2011 SO SGSA	TU029L 11PH-TU029-L3-G-6 1115057042 10/1/2011 SO SGSA	TU029R 11PH-TU029-R2-C-6 1115057040 10/1/2011 SO SGSA	TU029R 11PH-TU029-R2-F-6 1115057065 10/3/2011 SO SGSA	TU029R 11PH-TU029-R3-D-6 1115057041 10/1/2011 SO SGSA	TU033R 11PH-TU033-R2-B-6 1115057043 10/2/2011 SO SGSA	TU033R 11PH-TU033-R3-C-6 1115057044 10/2/2011 SO SGSA	TU033R 11PH-TU033-R3-D-6 1115057045 9/30/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0598]	ND [0.0618]	ND [0.0673]	ND [0.0636]	ND [0.0693]	ND [0.0614]	ND [0.0667]	ND [0.0743]	ND [0.0776]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0598]	ND [0.0618]	ND [0.0673]	ND [0.0636]	ND [0.0693]	ND [0.0614]	ND [0.0667]	ND [0.0743]	ND [0.0776]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0598]	ND [0.0618]	ND [0.0673]	ND [0.0636]	ND [0.0693]	ND [0.0614]	ND [0.0667]	ND [0.0743]	ND [0.0776]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0598]	ND [0.0618]	ND [0.0673]	ND [0.0636]	ND [0.0693]	ND [0.0614]	ND [0.0667]	ND [0.0743]	ND [0.0776]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0598]	ND [0.0618]	ND [0.0673]	ND [0.0636]	ND [0.0693]	ND [0.0614]	ND [0.0667]	ND [0.0743]	ND [0.0776]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0598]	ND [0.0618]	ND [0.0673]	ND [0.0636]	ND [0.0693]	ND [0.0614]	ND [0.0667]	ND [0.0743]	ND [0.0776]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.72 [0.0598]	1.54 [0.0618]	0.658 [0.0673]	1.24 [0.0636]	4.81 [0.347]	0.704 [0.0614]	1.87 [0.0667]	1.54 [0.0743]	1.53 [0.0776]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU033R 11PH-TU033-R4-E-6 1115057066 10/3/2011 SO SGSA	TU039L 11PH-TU039-L4-F-6 1115057067 10/3/2011 SO SGSA	TU039L 11PH-TU039-L4-G-6 1115057068 10/3/2011 SO SGSA	TU040L 11PH-TU040-L3-A-6 1115057046 10/3/2011 SO SGSA	TU041L 11PH-TU041-L3-D-6 1115057047 10/3/2011 SO SGSA	TU041L 11PH-TU041-L3-E-6 1115057048 10/3/2011 SO SGSA	TU041L 11PH-TU041-L4-F-6 1115057069 10/3/2011 SO SGSA	TU041L 11PH-TU041-L4-G-6 1115057070 10/3/2011 SO SGSA	TU041L 11PH-TU042-L3-A-6 1115057071 10/3/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0806]	ND [0.0838]	ND [0.0849]	ND [0.0828]	ND [0.0884]	ND [0.107]	ND [0.0767]	ND [0.0759]	ND [0.0749]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0806]	ND [0.0838]	ND [0.0849]	ND [0.0828]	ND [0.0884]	ND [0.107]	ND [0.0767]	ND [0.0759]	ND [0.0749]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0806]	ND [0.0838]	ND [0.0849]	ND [0.0828]	ND [0.0884]	ND [0.107]	ND [0.0767]	ND [0.0759]	ND [0.0749]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0806]	ND [0.0838]	ND [0.0849]	ND [0.0828]	ND [0.0884]	ND [0.107]	ND [0.0767]	ND [0.0759]	ND [0.0749]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0806]	ND [0.0838]	ND [0.0849]	ND [0.0828]	ND [0.0884]	ND [0.107]	ND [0.0767]	ND [0.0759]	ND [0.0749]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0806]	ND [0.0838]	ND [0.0849]	ND [0.0828]	ND [0.0884]	ND [0.107]	ND [0.0767]	ND [0.0759]	ND [0.0749]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.6 [0.0806]	1.82 [0.0838]	1.83 [0.0849]	2.44 [0.0828]	2.77 [0.0884]	2.54 [0.107]	1.66 [0.0767]	1.47 [0.0759]	1.93 [0.0749]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU087R 11PH-TU087-R1-D-6 1115057001 9/29/2011 SO SGSA	TU087R 11PH-TU087-R1-F-6 1115057002 9/29/2011 SO SGSA	TU088L 11PH-TU088-L1-A-6 1115057010 9/29/2011 SO SGSA	TU088L 11PH-TU088-L1-C-6 1115057011 9/29/2011 SO SGSA	TU088L 11PH-TU088-L1-F-6 1115057013 9/29/2011 SO SGSA	TU088L 11PH-TU088-L1-G-6 1115057014 9/29/2011 SO SGSA	TU088L 11PH-TU088X-L1-C-6 1115057012 9/29/2011 SO SGSA	TU089L 11PH-TU089-L1-B-6 1115057019 9/29/2011 SO SGSA	TU089L 11PH-TU089-L1-C-6 1115057020 9/29/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0621]	ND [0.0612]	ND [0.0596]	ND [0.0685]	ND [0.067]	ND [0.0648]	ND [0.0681]	ND [0.0628]	ND [0.0645]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0621]	ND [0.0612]	ND [0.0596]	ND [0.0685]	ND [0.067]	ND [0.0648]	ND [0.0681]	ND [0.0628]	ND [0.0645]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0621]	ND [0.0612]	ND [0.0596]	ND [0.0685]	ND [0.067]	ND [0.0648]	ND [0.0681]	ND [0.0628]	ND [0.0645]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0621]	ND [0.0612]	ND [0.0596]	ND [0.0685]	ND [0.067]	ND [0.0648]	ND [0.0681]	ND [0.0628]	ND [0.0645]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0621]	ND [0.0612]	ND [0.0596]	ND [0.0685]	ND [0.067]	ND [0.0648]	ND [0.0681]	ND [0.0628]	ND [0.0645]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0621]	ND [0.0612]	ND [0.0596]	ND [0.0685]	ND [0.067]	ND [0.0648]	ND [0.0681]	ND [0.0628]	ND [0.0645]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.751 [0.0621]	0.389 [0.0612]	0.594 [0.0596]	0.874 [0.0685]	1.18 [0.067]	1.14 [0.0648]	0.448 [0.0681]	0.734 [0.0628]	1.09 [0.0645]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU089L 11PH-TU089-L1-D-6 1115057021 9/29/2011 SO SGSA	TU089L 11PH-TU089-L2-A-6 1115057072 10/3/2011 SO SGSA	TU090L 11PH-TU090-L1-C-6 1115057025 9/29/2011 SO SGSA	TU090L 11PH-TU090-L1-D-6 1115057026 9/29/2011 SO SGSA	TU090-L 11PH-TU090-L-200-6 1115057074 9/30/2011 SO SGSA	TU090L 11PH-TU090-L2-B-6 1115057073 10/3/2011 SO SGSA	TU090L 11PH-TU090-L2-E-6 1115057027 10/1/2011 SO SGSA	TU090L 11PH-TU090-L3-D-6 1115057028 10/1/2011 SO SGSA	GP078+00 11PH-GP078-R-0-2 1115059001 10/4/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0613]	ND [0.0636]	ND [0.0598]	ND [0.0595]	ND [0.0605]	ND [0.0654]	ND [0.0607]	ND [0.0661]	ND [0.0574]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0613]	ND [0.0636]	ND [0.0598]	ND [0.0595]	ND [0.0605]	ND [0.0654]	ND [0.0607]	ND [0.0661]	ND [0.0574]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0613]	ND [0.0636]	ND [0.0598]	ND [0.0595]	ND [0.0605]	ND [0.0654]	ND [0.0607]	ND [0.0661]	ND [0.0574]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0613]	ND [0.0636]	ND [0.0598]	ND [0.0595]	ND [0.0605]	ND [0.0654]	ND [0.0607]	ND [0.0661]	ND [0.0574]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0613]	ND [0.0636]	ND [0.0598]	ND [0.0595]	ND [0.0605]	ND [0.0654]	ND [0.0607]	ND [0.0661]	ND [0.0574]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0613]	ND [0.0636]	ND [0.0598]	ND [0.0595]	ND [0.0605]	ND [0.0654]	ND [0.0607]	ND [0.0661]	ND [0.0574]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.33 [0.0613]	0.935 [0.0636]	0.667 [0.0598]	1.15 [0.0595]	1.94 [0.0605]	2.09 [0.0654]	0.715 [0.0607]	0.899 [0.0661]	0.0306 [0.0574] J

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				GP080+00 11PH-GP080-L-0-2 1115059002 10/4/2011 SO SGSA	GP080+00 11PH-GP080-L-10-12 1115059007 10/4/2011 SO SGSA	GP080+00 11PH-GP080-L-12-14 1115059008 10/4/2011 SO SGSA	GP080+00 11PH-GP080-L-14-16 1115059009 10/4/2011 SO SGSA	GP080+00 11PH-GP080-L-16-18 1115059010 10/4/2011 SO SGSA	GP080+00 11PH-GP080-L-18-20 1115059011 10/4/2011 SO SGSA	GP080+00 11PH-GP080-L-2-4 1115059003 10/4/2011 SO SGSA	GP080+00 11PH-GP080-L-4-6 1115059004 10/4/2011 SO SGSA	GP080+00 11PH-GP080-L-6-8 1115059005 10/4/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0491]	ND [0.0683]	ND [0.0633]	ND [0.0649]	ND [0.0516]	ND [0.0595]	ND [0.0555]	ND [0.055]	ND [0.0551]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0491]	ND [0.0683]	ND [0.0633]	ND [0.0649]	ND [0.0516]	ND [0.0595]	ND [0.0555]	ND [0.055]	ND [0.0551]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0491]	ND [0.0683]	ND [0.0633]	ND [0.0649]	ND [0.0516]	ND [0.0595]	ND [0.0555]	ND [0.055]	ND [0.0551]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0491]	ND [0.0683]	ND [0.0633]	ND [0.0649]	ND [0.0516]	ND [0.0595]	ND [0.0555]	ND [0.055]	ND [0.0551]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0491]	ND [0.0683]	ND [0.0633]	ND [0.0649]	ND [0.0516]	ND [0.0595]	ND [0.0555]	ND [0.055]	ND [0.0551]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0491]	ND [0.0683]	ND [0.0633]	ND [0.0649]	ND [0.0516]	ND [0.0595]	ND [0.0555]	ND [0.055]	ND [0.0551]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.376 [0.0491]	ND [0.0683]	ND [0.0633]	ND [0.0649]	ND [0.0516]	ND [0.0595]	ND [0.0555]	ND [0.055]	ND [0.0551]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				GP080+00 11PH-GP080-L-8-10 1115059006 10/4/2011 SO SGSA	GP086+00 11PH-GP086-R-0-2 1115059012 10/5/2011 SO SGSA	GP086+00 11PH-GP086-R-10-12 1115059017 10/5/2011 SO SGSA	GP086+00 11PH-GP086-R-12-14 1115059018 10/5/2011 SO SGSA	GP086+00 11PH-GP086-R-14-16 1115059019 10/5/2011 SO SGSA	GP086+00 11PH-GP086-R-16-18 1115059020 10/5/2011 SO SGSA	GP086+00 11PH-GP086-R-18-20 1115059022 10/5/2011 SO SGSA	GP086+00 11PH-GP086-R-2-4 1115059013 10/5/2011 SO SGSA	GP086+00 11PH-GP086-R-4-6 1115059014 10/5/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.069]	ND [0.0635]	ND [0.0536]	ND [0.0516]	ND [0.0519]	ND [0.052]	ND [0.0522]	ND [0.0571]	ND [0.0545]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.069]	ND [0.0635]	ND [0.0536]	ND [0.0516]	ND [0.0519]	ND [0.052]	ND [0.0522]	ND [0.0571]	ND [0.0545]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.069]	ND [0.0635]	ND [0.0536]	ND [0.0516]	ND [0.0519]	ND [0.052]	ND [0.0522]	ND [0.0571]	ND [0.0545]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.069]	ND [0.0635]	ND [0.0536]	ND [0.0516]	ND [0.0519]	ND [0.052]	ND [0.0522]	ND [0.0571]	ND [0.0545]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.069]	ND [0.0635]	ND [0.0536]	ND [0.0516]	ND [0.0519]	ND [0.052]	ND [0.0522]	ND [0.0571]	ND [0.0545]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.069]	ND [0.0635]	ND [0.0536]	ND [0.0516]	ND [0.0519]	ND [0.052]	ND [0.0522]	ND [0.0571]	ND [0.0545]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	ND [0.069]	0.0649 [0.0635]	ND [0.0536]	ND [0.0516]	ND [0.0519]	ND [0.052]	ND [0.0522]	ND [0.0571]	ND [0.0545]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				GP086+00 11PH-GP086-R-6-8 1115059015 10/5/2011 SO SGSA	GP086+00 11PH-GP086-R-8-10 1115059016 10/5/2011 SO SGSA	GP086+00 11PH-GP086X-R-16-18 1115059021 10/5/2011 SO SGSA	GP087+00 11PH-GP087-L-0-2 1115059023 10/4/2011 SO SGSA	GP087+00 11PH-GP087-L-10-12 1115059028 10/4/2011 SO SGSA	GP087+00 11PH-GP087-L-12-14 1115059029 10/4/2011 SO SGSA	GP087+00 11PH-GP087-L-14-16 1115059030 10/4/2011 SO SGSA	GP087+00 11PH-GP087-L-16-18 1115059031 10/4/2011 SO SGSA	GP087+00 11PH-GP087-L-18-20 1115059032 10/4/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0554]	ND [0.0526]	ND [0.0515]	ND [0.0583]	ND [0.053]	ND [0.0529]	ND [0.0521]	ND [0.0531]	ND [0.0528]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0554]	ND [0.0526]	ND [0.0515]	ND [0.0583]	ND [0.053]	ND [0.0529]	ND [0.0521]	ND [0.0531]	ND [0.0528]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0554]	ND [0.0526]	ND [0.0515]	ND [0.0583]	ND [0.053]	ND [0.0529]	ND [0.0521]	ND [0.0531]	ND [0.0528]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0554]	ND [0.0526]	ND [0.0515]	ND [0.0583]	ND [0.053]	ND [0.0529]	ND [0.0521]	ND [0.0531]	ND [0.0528]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0554]	ND [0.0526]	ND [0.0515]	ND [0.0583]	ND [0.053]	ND [0.0529]	ND [0.0521]	ND [0.0531]	ND [0.0528]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0554]	ND [0.0526]	ND [0.0515]	ND [0.0583]	ND [0.053]	ND [0.0529]	ND [0.0521]	ND [0.0531]	ND [0.0528]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	ND [0.0554]	ND [0.0526]	ND [0.0515]	0.223 [0.0583]	ND [0.053]	ND [0.0529]	ND [0.0521]	ND [0.0531]	ND [0.0528]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				GP087+00 11PH-GP087-L-2-4 1115059024 10/4/2011 SO SGSA	GP087+00 11PH-GP087-L-4-6 1115059025 10/4/2011 SO SGSA	GP087+00 11PH-GP087-L-6-8 1115059026 10/4/2011 SO SGSA	GP087+00 11PH-GP087-L-8-10 1115059027 10/4/2011 SO SGSA	GP088+00 11PH-GP088-R-0-2 1115059033 10/5/2011 SO SGSA	GP088+00 11PH-GP088-R-10-12 1115059040 10/5/2011 SO SGSA	GP088+00 11PH-GP088-R-2-4 1115059034 10/5/2011 SO SGSA	GP088+00 11PH-GP088-R-4-6 1115059037 10/5/2011 SO SGSA	GP088+00 11PH-GP088-R-6-8 1115059038 10/5/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0588]	ND [0.0544]	ND [0.0543]	ND [0.0546]	ND [0.0642]	ND [0.0715]	ND [0.0586]	ND [0.0573]	ND [0.0706]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0588]	ND [0.0544]	ND [0.0543]	ND [0.0546]	ND [0.0642]	ND [0.0715]	ND [0.0586]	ND [0.0573]	ND [0.0706]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0588]	ND [0.0544]	ND [0.0543]	ND [0.0546]	ND [0.0642]	ND [0.0715]	ND [0.0586]	ND [0.0573]	ND [0.0706]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0588]	ND [0.0544]	ND [0.0543]	ND [0.0546]	ND [0.0642]	ND [0.0715]	ND [0.0586]	ND [0.0573]	ND [0.0706]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0588]	ND [0.0544]	ND [0.0543]	ND [0.0546]	ND [0.0642]	ND [0.0715]	ND [0.0586]	ND [0.0573]	ND [0.0706]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0588]	ND [0.0544]	ND [0.0543]	ND [0.0546]	ND [0.0642]	ND [0.0715]	ND [0.0586]	ND [0.0573]	ND [0.0706]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	ND [0.0588]	ND [0.0544]	ND [0.0543]	ND [0.0546]	0.325 [0.0642]	ND [0.0715]	ND [0.0586]	ND [0.0573]	ND [0.0706]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				GP088+00 11PH-GP088-R-8-10 1115059039 10/5/2011 SO SGSA	GP088+00 11PH-GP088-R-10-12 1115059041 10/5/2011 SO SGSA	SS040 11PH-SS040-D5-6 1115059046 9/24/2011 SO SGSA	SS040 11PH-SS040-F5-6 1115059047 9/24/2011 SO SGSA	SS040 11PH-SS040-G5-6 1115059048 9/24/2011 SO SGSA	SS041 11PH-SS041-A5-6 1115059053 9/24/2011 SO SGSA	SS041 11PH-SS041-D5-6 1115059054 9/24/2011 SO SGSA	SS041 11PH-SS041-F5-6 1115059055 9/24/2011 SO SGSA	SS041 11PH-SS041-G5-6 1115059056 9/24/2011 SO SGSA	SS086 11PH-SS086-G0-6 1115059060 9/29/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0769]	ND [0.0708]	ND [0.0697]	ND [0.0699]	ND [0.0673]	ND [0.065]	ND [0.0655]	ND [0.0637]	ND [0.0852]	ND [0.0607]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0769]	ND [0.0708]	ND [0.0697]	ND [0.0699]	ND [0.0673]	ND [0.065]	ND [0.0655]	ND [0.0637]	ND [0.0852]	ND [0.0607]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0769]	ND [0.0708]	ND [0.0697]	ND [0.0699]	ND [0.0673]	ND [0.065]	ND [0.0655]	ND [0.0637]	ND [0.0852]	ND [0.0607]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0769]	ND [0.0708]	ND [0.0697]	ND [0.0699]	ND [0.0673]	ND [0.065]	ND [0.0655]	ND [0.0637]	ND [0.0852]	ND [0.0607]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0769]	ND [0.0708]	ND [0.0697]	ND [0.0699]	ND [0.0673]	ND [0.065]	ND [0.0655]	ND [0.0637]	ND [0.0852]	ND [0.0607]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0769]	ND [0.0708]	ND [0.0697]	ND [0.0699]	ND [0.0673]	ND [0.065]	ND [0.0655]	ND [0.0637]	ND [0.0852]	ND [0.0607]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	ND [0.0769]	0.68 [0.0708]	1.12 [0.0697]	0.559 [0.0699]	0.688 [0.0673]	1.44 [0.065]	1.28 [0.0655]	1.13 [0.0637]	1.29 [0.0852]	0.507 [0.0607]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS087 11PH-SS087-A0-6 1115059064 9/29/2011 SO SGSA	SS087 11PH-SS087-B0-6 1115059065 9/29/2011 SO SGSA	SS087 11PH-SS087-C0-6 1115059066 9/29/2011 SO SGSA	SS087 11PH-SS087-D0-6 1115059067 9/29/2011 SO SGSA	SS087 11PH-SS087-F0-6 1115059068 9/29/2011 SO SGSA	SS087 11PH-SS087-G0-6 1115059069 9/29/2011 SO SGSA	TU033R 11PH-TU033-R3-G-6 1115059042 9/30/2011 SO SGSA	TU039L 11PH-TU039-L2-F-6 1115059043 9/30/2011 SO SGSA	TU039L 11PH-TU039-L3-C-6 1115059044 10/2/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0607]	ND [0.0592]	ND [0.0611]	ND [0.0575]	ND [0.0588]	ND [0.0591]	ND [0.0812]	ND [0.069]	ND [0.0752]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0607]	ND [0.0592]	ND [0.0611]	ND [0.0575]	ND [0.0588]	ND [0.0591]	ND [0.0812]	ND [0.069]	ND [0.0752]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0607]	ND [0.0592]	ND [0.0611]	ND [0.0575]	ND [0.0588]	ND [0.0591]	ND [0.0812]	ND [0.069]	ND [0.0752]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0607]	ND [0.0592]	ND [0.0611]	ND [0.0575]	ND [0.0588]	ND [0.0591]	ND [0.0812]	ND [0.069]	ND [0.0752]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0607]	ND [0.0592]	ND [0.0611]	ND [0.0575]	ND [0.0588]	ND [0.0591]	ND [0.0812]	ND [0.069]	ND [0.0752]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0607]	ND [0.0592]	ND [0.0611]	ND [0.0575]	ND [0.0588]	ND [0.0591]	ND [0.0812]	ND [0.069]	ND [0.0752]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.445 [0.0607]	0.487 [0.0592] JM-	0.461 [0.0611]	0.322 [0.0575]	0.162 [0.0588]	0.415 [0.0591]	1.55 [0.0812]	2.41 [0.069]	2.04 [0.0752]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU039L 11PH-TU039-L3-E-6 1115059045 10/2/2011 SO SGSA	TU040L 11PH-TU040-L2-A-6 1115059049 9/30/2011 SO SGSA	TU040L 11PH-TU040-L2-E-6 1115059050 9/30/2011 SO SGSA	TU040L 11PH-TU040-L3-F-6 1115059051 10/2/2011 SO SGSA	TU040L 11PH-TU040-L3-G-6 1115059052 10/2/2011 SO SGSA	TU041L 11PH-TU041-L2-A-6 1115059057 9/30/2011 SO SGSA	TU041L 11PH-TU041-L2-B-6 1115059058 9/30/2011 SO SGSA	TU041L 11PH-TU041-L2-C-6 1115059059 9/30/2011 SO SGSA	TU086L 11PH-TU086-L1-G-6 1115059061 9/29/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0772]	ND [0.0714]	ND [0.0727]	ND [0.0656]	ND [0.063]	ND [0.065]	ND [0.0616]	ND [0.062]	ND [0.0651]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0772]	ND [0.0714]	ND [0.0727]	ND [0.0656]	ND [0.063]	ND [0.065]	ND [0.0616]	ND [0.062]	ND [0.0651]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0772]	ND [0.0714]	ND [0.0727]	ND [0.0656]	ND [0.063]	ND [0.065]	ND [0.0616]	ND [0.062]	ND [0.0651]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0772]	ND [0.0714]	ND [0.0727]	ND [0.0656]	ND [0.063]	ND [0.065]	ND [0.0616]	ND [0.062]	ND [0.0651]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0772]	ND [0.0714]	ND [0.0727]	ND [0.0656]	ND [0.063]	ND [0.065]	ND [0.0616]	ND [0.062]	ND [0.0651]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0772]	ND [0.0714]	ND [0.0727]	ND [0.0656]	ND [0.063]	ND [0.065]	ND [0.0616]	ND [0.062]	ND [0.0651]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.86 [0.0772]	1.64 [0.0714]	1.47 [0.0727]	0.808 [0.0656]	0.751 [0.063]	1.93 [0.065]	1.55 [0.0616]	0.896 [0.062]	0.928 [0.0651]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU086L 11PH-TU086-R1-F-6 1115059063 9/29/2011 SO SGSA	TU086L 11PH-TU086X-L1-G-6 1115059062 9/29/2011 SO SGSA	TU087L 11PH-TU087-L1-A-6 1115059070 9/29/2011 SO SGSA	TU087L 11PH-TU087-L1-B-6 1115059071 9/29/2011 SO SGSA	TU087L 11PH-TU087-L1-G-6 1115059072 9/29/2011 SO SGSA	TU087R 11PH-TU087-R1-C-6 1115059073 9/29/2011 SO SGSA	SS015 11PH-SS015-C0-6 1115060053 9/23/2011 SO SGSA	SS015 11PH-SS015-D0-6 1115060054 9/23/2011 SO SGSA	SS042 11PH-SS042-F0-6 1115060061 9/28/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0621]	ND [0.0639]	ND [0.0639]	ND [0.0629]	ND [0.0596]	ND [0.0617]	ND [0.0585]	ND [0.0619]	ND [0.0584]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0621]	ND [0.0639]	ND [0.0639]	ND [0.0629]	ND [0.0596]	ND [0.0617]	ND [0.0585]	ND [0.0619]	ND [0.0584]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0621]	ND [0.0639]	ND [0.0639]	ND [0.0629]	ND [0.0596]	ND [0.0617]	ND [0.0585]	ND [0.0619]	ND [0.0584]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0621]	ND [0.0639]	ND [0.0639]	ND [0.0629]	ND [0.0596]	ND [0.0617]	ND [0.0585]	ND [0.0619]	ND [0.0584]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0621]	ND [0.0639]	ND [0.0639]	ND [0.0629]	ND [0.0596]	ND [0.0617]	ND [0.0585]	ND [0.0619]	ND [0.0584]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0621]	ND [0.0639]	ND [0.0639]	ND [0.0629]	ND [0.0596]	ND [0.0617]	ND [0.0585]	ND [0.0619]	ND [0.0584]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.392 [0.0621]	1.14 [0.0639]	0.108 [0.0639]	0.347 [0.0629]	0.408 [0.0596]	0.587 [0.0617]	1.83 [0.0585]	1.72 [0.0619]	0.709 [0.0584]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				SS042 11PH-SS042-F5-6 1115060068 9/28/2011 SO SGSA	SS042 11PH-SS042-G0-6 1115060062 9/28/2011 SO SGSA	SS089 11PH-SS089-A5-6 1115060069 9/29/2011 SO SGSA	SS089 11PH-SS089-D5-6 1115060070 9/29/2011 SO SGSA	SS089 11PH-SS089-E5-6 1115060071 9/29/2011 SO SGSA	SS089 11PH-SS089-F5-6 1115060072 9/29/2011 SO SGSA	SS089 11PH-SS089-G5-6 1115060073 9/29/2011 SO SGSA	TU004-L 11PH-TU004-L-175-6 1115060052 9/29/2011 SO SGSA	TU012L 11PH-TU012-L4-D-6 1115060002 9/27/2011 SO SGSA	TU013L 11PH-TU013-L2-D-6 1115060003 9/27/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units										
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0705]	ND [0.0588]	ND [0.0593]	ND [0.061]	ND [0.0668]	ND [0.0636]	ND [0.0608]	ND [0.0632]	ND [0.0767]	ND [0.0857]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0705]	ND [0.0588]	ND [0.0593]	ND [0.061]	ND [0.0668]	ND [0.0636]	ND [0.0608]	ND [0.0632]	ND [0.0767]	ND [0.0857]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0705]	ND [0.0588]	ND [0.0593]	ND [0.061]	ND [0.0668]	ND [0.0636]	ND [0.0608]	ND [0.0632]	ND [0.0767]	ND [0.0857]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0705]	ND [0.0588]	ND [0.0593]	ND [0.061]	ND [0.0668]	ND [0.0636]	ND [0.0608]	ND [0.0632]	ND [0.0767]	ND [0.0857]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0705]	ND [0.0588]	ND [0.0593]	ND [0.061]	ND [0.0668]	ND [0.0636]	ND [0.0608]	ND [0.0632]	ND [0.0767]	ND [0.0857]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0705]	ND [0.0588]	ND [0.0593]	ND [0.061]	ND [0.0668]	ND [0.0636]	ND [0.0608]	ND [0.0632]	ND [0.0767]	ND [0.0857]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.85 [0.0705]	0.502 [0.0588]	0.525 [0.0593]	0.388 [0.061]	0.609 [0.0668]	0.698 [0.0636]	0.495 [0.0608]	0.365 [0.0632]	1.57 [0.0767]	1.05 [0.0857]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU013R 11PH-TU013-R1-D-6 1115060004 9/23/2011 SO SGSA	TU013R 11PH-TU013-R1-E-6 1115060005 9/23/2011 SO SGSA	TU013R 11PH-TU013-R1-F-6 1115060006 9/23/2011 SO SGSA	TU013R 11PH-TU013-R1-G-6 1115060007 9/23/2011 SO SGSA	TU014L 11PH-TU014-L1-B-6 1115060008 9/23/2011 SO SGSA	TU014L 11PH-TU014-L1-C-6 1115060009 9/23/2011 SO SGSA	TU014L 11PH-TU014-L1-D-6 1115060010 9/23/2011 SO SGSA	TU014L 11PH-TU014-L1-G-6 1115060011 9/23/2011 SO SGSA	TU014L 11PH-TU014-L2-D-6 1115060012 9/27/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0634]	ND [0.0667]	ND [0.0636]	ND [0.0641]	ND [0.0615]	ND [0.0661]	ND [0.073]	ND [0.073]	ND [0.0643]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0634]	ND [0.0667]	ND [0.0636]	ND [0.0641]	ND [0.0615]	ND [0.0661]	ND [0.073]	ND [0.073]	ND [0.0643]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0634]	ND [0.0667]	ND [0.0636]	ND [0.0641]	ND [0.0615]	ND [0.0661]	ND [0.073]	ND [0.073]	ND [0.0643]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0634]	ND [0.0667]	ND [0.0636]	ND [0.0641]	ND [0.0615]	ND [0.0661]	ND [0.073]	ND [0.073]	ND [0.0643]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0634]	ND [0.0667]	ND [0.0636]	ND [0.0641]	ND [0.0615]	ND [0.0661]	ND [0.073]	ND [0.073]	ND [0.0643]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0634]	ND [0.0667]	ND [0.0636]	ND [0.0641]	ND [0.0615]	ND [0.0661]	ND [0.073]	ND [0.073]	ND [0.0643]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.45 [0.0634]	1.61 [0.0667]	1.22 [0.0636]	0.706 [0.0641]	1.45 [0.0615]	1.63 [0.0661]	1.78 [0.073]	1.65 [0.073]	0.798 [0.0643]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU016L 11PH-TU016-L4-C-6 1115060013 9/27/2011 SO SGSA	TU017R 11PH-TU017-R1-E-6 1115060025 9/23/2011 SO SGSA	TU017R 11PH-TU017-R1-F-6 1115060026 9/23/2011 SO SGSA	TU017R 11PH-TU017-R1-G-6 1115060027 9/23/2011 SO SGSA	TU021L 11PH-TU021-L2-A-6 1115060014 9/27/2011 SO SGSA	TU021L 11PH-TU021-L2-F-6 1115060015 9/27/2011 SO SGSA	TU022L 11PH-TU022-L2-A-6 1115060016 9/27/2011 SO SGSA	TU022L 11PH-TU022-L3-B-6 1115060017 9/27/2011 SO SGSA	TU023L 11PH-TU023-L2-A-6 1115060018 9/27/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0689]	ND [0.0641]	ND [0.0676]	ND [0.064]	ND [0.0678]	ND [0.0665]	ND [0.0678]	ND [0.0725]	ND [0.0704]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0689]	ND [0.0641]	ND [0.0676]	ND [0.064]	ND [0.0678]	ND [0.0665]	ND [0.0678]	ND [0.0725]	ND [0.0704]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0689]	ND [0.0641]	ND [0.0676]	ND [0.064]	ND [0.0678]	ND [0.0665]	ND [0.0678]	ND [0.0725]	ND [0.0704]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0689]	ND [0.0641]	ND [0.0676]	ND [0.064]	ND [0.0678]	ND [0.0665]	ND [0.0678]	ND [0.0725]	ND [0.0704]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0689]	ND [0.0641]	ND [0.0676]	ND [0.064]	ND [0.0678]	ND [0.0665]	ND [0.0678]	ND [0.0725]	ND [0.0704]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0689]	ND [0.0641]	ND [0.0676]	ND [0.064]	ND [0.0678]	ND [0.0665]	ND [0.0678]	ND [0.0725]	ND [0.0704]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.976 [0.0689]	1.29 [0.0641]	1.05 [0.0676]	2 [0.064]	1.02 [0.0678]	0.926 [0.0665]	1.03 [0.0678]	0.973 [0.0725]	0.772 [0.0704]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU023L 11PH-TU023-L3-B-6 1115060041 9/29/2011 SO SGSA	TU023L 11PH-TU023-L3-C-6 1115060019 9/27/2011 SO SGSA	TU023L 11PH-TU023-L3-E-6 1115060020 9/27/2011 SO SGSA	TU023L 11PH-TU023-L3-G-6 1115060022 9/27/2011 SO SGSA	TU023L 11PH-TU023-L3-F-6 1115060021 9/27/2011 SO SGSA	TU024L 11PH-TU024-L4-A-6 1115060044 9/29/2011 SO SGSA	TU024L 11PH-TU024X-L4-A-6 1115060045 9/29/2011 SO SGSA	TU026L 11PH-TU026-L3-E-6 1115060055 9/17/2011 SO SGSA	TU026L 11PH-TU026-L4-B-6 1115060046 9/29/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.102]	ND [0.0678]	ND [0.072]	ND [0.071]	ND [0.0704]	ND [0.0777]	ND [0.081]	ND [0.064]	ND [0.0667]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.102]	ND [0.0678]	ND [0.072]	ND [0.071]	ND [0.0704]	ND [0.0777]	ND [0.081]	ND [0.064]	ND [0.0667]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.102]	ND [0.0678]	ND [0.072]	ND [0.071]	ND [0.0704]	ND [0.0777]	ND [0.081]	ND [0.064]	ND [0.0667]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.102]	ND [0.0678]	ND [0.072]	ND [0.071]	ND [0.0704]	ND [0.0777]	ND [0.081]	ND [0.064]	ND [0.0667]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.102]	ND [0.0678]	ND [0.072]	ND [0.071]	ND [0.0704]	ND [0.0777]	ND [0.081]	ND [0.064]	ND [0.0667]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.102]	ND [0.0678]	ND [0.072]	ND [0.071]	ND [0.0704]	ND [0.0777]	ND [0.081]	ND [0.064]	ND [0.0667]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.426 [0.102]	0.575 [0.0678]	0.812 [0.072]	0.527 [0.071]	0.466 [0.0704]	0.383 [0.0777]	0.346 [0.081]	0.632 [0.064]	0.317 [0.0667]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU027L 11PH-TU027-L4-A-6 1115060056 9/18/2011 SO SGSA	TU029R 11PH-TU029-R1-C-6 1115060023 9/22/2011 SO SGSA	TU029R 11PH-TU029X-R1-C-6 1115060024 9/22/2011 SO SGSA	TU030L 11PH-TU030-L3-B-6 1115060047 9/30/2011 SO SGSA	TU030L 11PH-TU030-L3-C-6 1115060048 9/30/2011 SO SGSA	TU030R 11PH-TU030-R2-D-6 1115060028 9/28/2011 SO SGSA	TU031L 11PH-TU031X-L2-B-6 1115060001 9/27/2011 SO SGSA	TU034R 11PH-TU034-R2-C-6 1115060029 9/28/2011 SO SGSA	TU034R 11PH-TU034-R2-F-6 1115060030 9/28/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0679]	ND [0.0627]	ND [0.0615]	ND [0.0709]	ND [0.0685]	ND [0.059]	ND [0.0589]	ND [0.0814]	ND [0.0696]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0679]	ND [0.0627]	ND [0.0615]	ND [0.0709]	ND [0.0685]	ND [0.059]	ND [0.0589]	ND [0.0814]	ND [0.0696]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0679]	ND [0.0627]	ND [0.0615]	ND [0.0709]	ND [0.0685]	ND [0.059]	ND [0.0589]	ND [0.0814]	ND [0.0696]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0679]	ND [0.0627]	ND [0.0615]	ND [0.0709]	ND [0.0685]	ND [0.059]	ND [0.0589]	ND [0.0814]	ND [0.0696]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0679]	ND [0.0627]	ND [0.0615]	ND [0.0709]	ND [0.0685]	ND [0.059]	ND [0.0589]	ND [0.0814]	ND [0.0696]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0679]	ND [0.0627]	ND [0.0615]	ND [0.0709]	ND [0.0685]	ND [0.059]	ND [0.0589]	ND [0.0814]	ND [0.0696]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.709 [0.0679]	1.26 [0.0627]	1.37 [0.0615]	0.202 [0.0709]	0.487 [0.0685]	0.802 [0.059]	1.1 [0.0589]	1.78 [0.0814]	0.971 [0.0696]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU034R 11PH-TU034X-R2-F-6 1115060031 9/28/2011 SO SGSA	TU035R 11PH-TU035-R2-D-6 1115060032 9/22/2011 SO SGSA	TU036R 11PH-TU036-R2-B-6 1115060033 9/22/2011 SO SGSA	TU036R 11PH-TU036-R2-D-6 1115060034 9/22/2011 SO SGSA	TU037L 11PH-TU037-L2-E-6 1115060057 9/20/2011 SO SGSA	TU037R 11PH-TU037-R2-A-6 1115060035 9/28/2011 SO SGSA	TU037R 11PH-TU037-R2-B-6 1115060036 9/28/2011 SO SGSA	TU037R 11PH-TU037-R2-D-6 1115060037 9/28/2011 SO SGSA	TU038L 11PH-TU038-L3-A-6 1115060058 9/20/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0682]	ND [0.0824]	ND [0.0795]	ND [0.084]	ND [0.059]	ND [0.0884]	ND [0.0823]	ND [0.0821]	ND [0.0637]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0682]	ND [0.0824]	ND [0.0795]	ND [0.084]	ND [0.059]	ND [0.0884]	ND [0.0823]	ND [0.0821]	ND [0.0637]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0682]	ND [0.0824]	ND [0.0795]	ND [0.084]	ND [0.059]	ND [0.0884]	ND [0.0823]	ND [0.0821]	ND [0.0637]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0682]	ND [0.0824]	ND [0.0795]	ND [0.084]	ND [0.059]	ND [0.0884]	ND [0.0823]	ND [0.0821]	ND [0.0637]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0682]	ND [0.0824]	ND [0.0795]	ND [0.084]	ND [0.059]	ND [0.0884]	ND [0.0823]	ND [0.0821]	ND [0.0637]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0682]	ND [0.0824]	ND [0.0795]	ND [0.084]	ND [0.059]	ND [0.0884]	ND [0.0823]	ND [0.0821]	ND [0.0637]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	0.946 [0.0682]	2.19 [0.0824]	1.86 [0.0795]	1.76 [0.084]	1.15 [0.059]	1.25 [0.0884]	1.47 [0.0823]	1 [0.0821]	1.14 [0.0637]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU038L 11PH-TU038-L4-E-6 1115060059 9/20/2011 SO SGSA	TU039R 11PH-TU039-R1-B-6 1115060038 9/24/2011 SO SGSA	TU039R 11PH-TU039-R1-C-6 1115060039 9/24/2011 SO SGSA	TU039R 11PH-TU039-R1-E-6 1115060040 9/24/2011 SO SGSA	TU041L 11PH-TU041-L1-D-6 1115060060 9/24/2011 SO SGSA	TU042L 11PH-TU042-L1-C-6 1115060063 9/28/2011 SO SGSA	TU042L 11PH-TU042-L1-E-6 1115060064 9/28/2011 SO SGSA	TU042L 11PH-TU042-L1-F-6 1115060066 9/28/2011 SO SGSA	TU042L 11PH-TU042-L1-G-6 1115060067 9/28/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units									
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	0.0499 [0.0748] J	ND [0.0865]	ND [0.0756]	ND [0.0775]	ND [0.0613]	ND [0.0653]	ND [0.0664]	ND [0.0607]	ND [0.062]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0748]	ND [0.0865]	ND [0.0756]	ND [0.0775]	ND [0.0613]	ND [0.0653]	ND [0.0664]	ND [0.0607]	ND [0.062]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0748]	ND [0.0865]	ND [0.0756]	ND [0.0775]	ND [0.0613]	ND [0.0653]	ND [0.0664]	ND [0.0607]	ND [0.062]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0748]	ND [0.0865]	ND [0.0756]	ND [0.0775]	ND [0.0613]	ND [0.0653]	ND [0.0664]	ND [0.0607]	ND [0.062]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0748]	ND [0.0865]	ND [0.0756]	ND [0.0775]	ND [0.0613]	ND [0.0653]	ND [0.0664]	ND [0.0607]	ND [0.062]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0748]	ND [0.0865]	ND [0.0756]	ND [0.0775]	ND [0.0613]	ND [0.0653]	ND [0.0664]	ND [0.0607]	ND [0.062]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.31 [0.0748]	1.76 [0.0865]	1.03 [0.0756]	1.3 [0.0775]	1.37 [0.0613]	1.69 [0.0653]	1.11 [0.0664]	0.896 [0.0607]	0.601 [0.062]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

2012 Port Heiden PCB-Contaminated Soil Removal Analytical Data

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory				TU042L 11PH-TU042X-L1-E-6 1115060065 9/28/2011 SO SGSA	TU086R 11PH-TU086-R4-D-6 1115060049 9/29/2011 SO SGSA	TU088L 11PH-TU088-L2-D-6 1115060050 9/29/2011 SO SGSA	TU088L 11PH-TU088-L4-D-6 1115060051 9/29/2011 SO SGSA
Method	Analyte	Cleanup Level ¹	Units				
SW8082A	PCB-1016 (Aroclor 1016)	1.0	mg/kg	ND [0.0648]	ND [0.0631]	ND [0.0646]	ND [0.0767]
SW8082A	PCB-1221 (Aroclor 1221)	1.0	mg/kg	ND [0.0648]	ND [0.0631]	ND [0.0646]	ND [0.0767]
SW8082A	PCB-1232 (Aroclor 1232)	1.0	mg/kg	ND [0.0648]	ND [0.0631]	ND [0.0646]	ND [0.0767]
SW8082A	PCB-1242 (Aroclor 1242)	1.0	mg/kg	ND [0.0648]	ND [0.0631]	ND [0.0646]	ND [0.0767]
SW8082A	PCB-1248 (Aroclor 1248)	1.0	mg/kg	ND [0.0648]	ND [0.0631]	ND [0.0646]	ND [0.0767]
SW8082A	PCB-1254 (Aroclor 1254)	1.0	mg/kg	ND [0.0648]	ND [0.0631]	ND [0.0646]	ND [0.0767]
SW8082A	PCB-1260 (Aroclor 1260)	1.0	mg/kg	1.08 [0.0648]	0.359 [0.0631]	0.76 [0.0646]	1.3 [0.0767]

Notes:

¹ Cleanup level from 18 AAC 75, Table B1, Method Two Soil cleanup levels ADEC 2009.

Bold = exceeds site-specific cleanup level

SGSA = SGS Analytical Services, Alaska

mg/kg = milligrams per kilogram

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

**2011 Port Heiden Site Road
Wipe Sample Analytical Results**

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory			Auger Buck 11PH-WP-TWC-004 1115110047 10/14/2011 SW SGSA	BLACK F-2 11PH-WP-F250-009 1115510003 10/31/2011 SW SGSA	CAT 320D E 11PH-WP-EX320D-001 1114119020 6/20/2011 SW SGSA	CHEVY FLAT 11PH-WP-CHEV-008 1115510002 10/31/2011 SW SGSA	Dump truck 11PH-WP-DT0871-002 1114119017 6/18/2011 SW SGSA
Method	Analyte	Units					
SW8082A	PCB-1016 (Aroclor 1016)	ug/Wipe	ND [1]	ND [1]	ND [1] JH	ND [1]	ND [1] JH
SW8082A	PCB-1221 (Aroclor 1221)	ug/Wipe	ND [1]	ND [1]	ND [1] JH	ND [1]	ND [1] JH
SW8082A	PCB-1232 (Aroclor 1232)	ug/Wipe	ND [1]	ND [1]	ND [1] JH	ND [1]	ND [1] JH
SW8082A	PCB-1242 (Aroclor 1242)	ug/Wipe	ND [1]	ND [1]	ND [1] JH	ND [1]	ND [1] JH
SW8082A	PCB-1248 (Aroclor 1248)	ug/Wipe	ND [1]	ND [1]	ND [1] JH	ND [1]	ND [1] JH
SW8082A	PCB-1254 (Aroclor 1254)	ug/Wipe	ND [1]	ND [1]	ND [1] JH	ND [1]	ND [1] JH
SW8082A	PCB-1260 (Aroclor 1260)	ug/Wipe	ND [1]	ND [1]	ND [1] JH	ND [1]	ND [1] JH

Notes:

Bold = PCBs were detected in the wipe sample and the object was decontaminated a second time and re-sampled.

SGSA = SGS Analytical Services, Alaska

ug/Wipe = micrograms per wipe sample

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

**2011 Port Heiden Site Road
Wipe Sample Analytical Results**

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory			G940 Volvo 11PH-WP-LG940-001 1114119018 6/22/2011 SW SGSA	GREY KIA 11PH-WP-TWC-002 1114984002 10/8/2011 SW SGSA	KIA 11PH-WP-KIA-007 1115510001 10/27/2011 SW SGSA	LAB 11PH-WP-LAB-005 1115338002 10/27/2011 SW SGSA	Pump 11PH-WP-PMP-004 1115338001 10/27/2011 SW SGSA
Method	Analyte	Units					
SW8082A	PCB-1016 (Aroclor 1016)	ug/Wipe	ND [1] JH	ND [1]	ND [1]	ND [1]	ND [1]
SW8082A	PCB-1221 (Aroclor 1221)	ug/Wipe	ND [1] JH	ND [1]	ND [1]	ND [1]	ND [1]
SW8082A	PCB-1232 (Aroclor 1232)	ug/Wipe	ND [1] JH	ND [1]	ND [1]	ND [1]	ND [1]
SW8082A	PCB-1242 (Aroclor 1242)	ug/Wipe	ND [1] JH	ND [1]	ND [1]	ND [1]	ND [1]
SW8082A	PCB-1248 (Aroclor 1248)	ug/Wipe	ND [1] JH	ND [1]	ND [1]	ND [1]	ND [1]
SW8082A	PCB-1254 (Aroclor 1254)	ug/Wipe	ND [1] JH	ND [1]	ND [1]	ND [1]	ND [1]
SW8082A	PCB-1260 (Aroclor 1260)	ug/Wipe	ND [1] JH	1.7 [1]	ND [1]	ND [1]	ND [1]

Notes:

Bold = PCBs were detected in the wipe sample and the object was decontaminated a second time and re-sampled.

SGSA = SGS Analytical Services, Alaska

ug/Wipe = micrograms per wipe sample

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

**2011 Port Heiden Site Road
Wipe Sample Analytical Results**

Location ID Sample ID Lab Sample ID Collection Date Matrix Laboratory			Red Conver 11PH-WP-TWC-003 1114984003 10/8/2011 SW SGSA	Red F150 T 11PH-WP-f150-001 1114119019 6/20/2011 SW SGSA	RED-F-150 11PH-WP-F150-010 1115510004 10/31/2011 SW SGSA	Refidgerat 11PH-WP-FRG-006 1115338003 10/27/2011 SW SGSA	WH CREWCB 11PH-WP-TWC-001 1114546036 9/14/2011 SW SGSA
Method	Analyte	Units					
SW8082A	PCB-1016 (Aroclor 1016)	ug/Wipe	ND [1]	ND [1] JH	ND [1]	ND [1]	ND [1]
SW8082A	PCB-1221 (Aroclor 1221)	ug/Wipe	ND [1]	ND [1] JH	ND [1]	ND [1]	ND [1]
SW8082A	PCB-1232 (Aroclor 1232)	ug/Wipe	ND [1]	ND [1] JH	ND [1]	ND [1]	ND [1]
SW8082A	PCB-1242 (Aroclor 1242)	ug/Wipe	ND [1]	ND [1] JH	ND [1]	ND [1]	ND [1]
SW8082A	PCB-1248 (Aroclor 1248)	ug/Wipe	ND [1]	ND [1] JH	ND [1]	ND [1]	ND [1]
SW8082A	PCB-1254 (Aroclor 1254)	ug/Wipe	ND [1]	ND [1] JH	ND [1]	ND [1]	ND [1]
SW8082A	PCB-1260 (Aroclor 1260)	ug/Wipe	ND [1]	ND [1] JH	ND [1]	ND [1]	ND [1]

Notes:

Bold = PCBs were detected in the wipe sample and the object was decontaminated a second time and re-sampled.

SGSA = SGS Analytical Services, Alaska

ug/Wipe = micrograms per wipe sample

ND = nondetect

[] = Limit of Quantitation

For data qualifier definitions, see the Data Quality Assessment.

APPENDIX F
Photograph Log

PORT HEIDEN SITE ROAD PHOTOGRAPH LOG

<u>Photo Number</u>	<u>Page</u>
Photo No. 1 – 110816 View of Site Road to Southeast	F-1
Photo No. 2 – 110817 Shoulder Profile, View East.....	F-1
Photo No. 3 – 110817 Shoulder Profile Sampling Effort, View West	F-2
Photo No. 4 – 110818 Loader Unloading Liner from Hercules C130, View East.	F-2
Photo No. 5 – 110827 Grading Site Road near Storage Area 1, View North.....	F-3
Photo No. 6 – 110827 Aniachak Workers Putting Up Fence in Storage Area 2, View North	F-3
Photo No. 7 – 110827 Recording Sample Weights.....	F-4
Photo No. 8 – 110827 Labeled Vials	F-4
Photo No. 9 – 110905 Storage Area 2, View Northwest	F-5
Photo No. 10 – Geoprobe® Sample Core.....	F-5
Photo No. 11 – 11913 E Geoprobe® Operation in Section 92	F-6
Photo No. 12 – 110913 Geoprobe®, View East	F-6
Photo No. 13 – 110913 Operating GPR, View East	F-7
Photo No. 15 – 110915 Surveying Shoulder Profile, View Southwest	F-7
Photo No. 16 – 110924 Geoprobe® Investigation, View West.....	F-8
Photo No. 17 – 110924 Geoprobe® Tools, View West.....	F-8
Photo No. 18 - 110924 Geoprobe® Decontamination, View West.....	F-9
Photo No. 19 – 110924 Geoprobe® Operation.....	F-9
Photo No. 20 – 110924 Geoprobe® Operation, View East	F-10
Photo No. 21 – 110924 Geoprobe® Decontamination and Operation, View East.....	F-10
Photo No. 22 – 110924 Geoprobe® Truck, View East.....	F-11
Photo No. 23 – 110924 Geoprobe® Sleeves, View East.....	F-11
Photo No. 24 – 110924 Geoprobe® Decontamination, View East.....	F-12
Photo No. 25 – 111031 Stockpile Warning Signs on Gate, View East	F-12
Photo No. 26– 111031 Stockpiles of Storage Area 2, View East.....	F-13
Photo No. 27 – 111031 Stockpile in Storage Area 1, View North	F-13
Photo No. 29 – 111031 Stockpile Signs, View North.....	F-14
Photo No. 30 – Frequency Domain Electromagnetic Surveying	F-14

(intentionally blank)



Photo No. 1 – 110816 View of Site Road to Southeast



Photo No. 2 – 110817 Shoulder Profile, View East



Photo No. 3 – 110817 Shoulder Profile Sampling Effort, View West



Photo No. 4 – 110818 Loader Unloading Liner from Hercules C130, View East.



Photo No. 5 – 110827 Grading Site Road near Storage Area 1, View North



Photo No. 6 – 110827 Aniachak Workers Putting Up Fence in Storage Area 2, View North



Photo No. 9 –110905 Storage Area 2, View Northwest



Photo No. 10 – Geoprobe® Sample Core

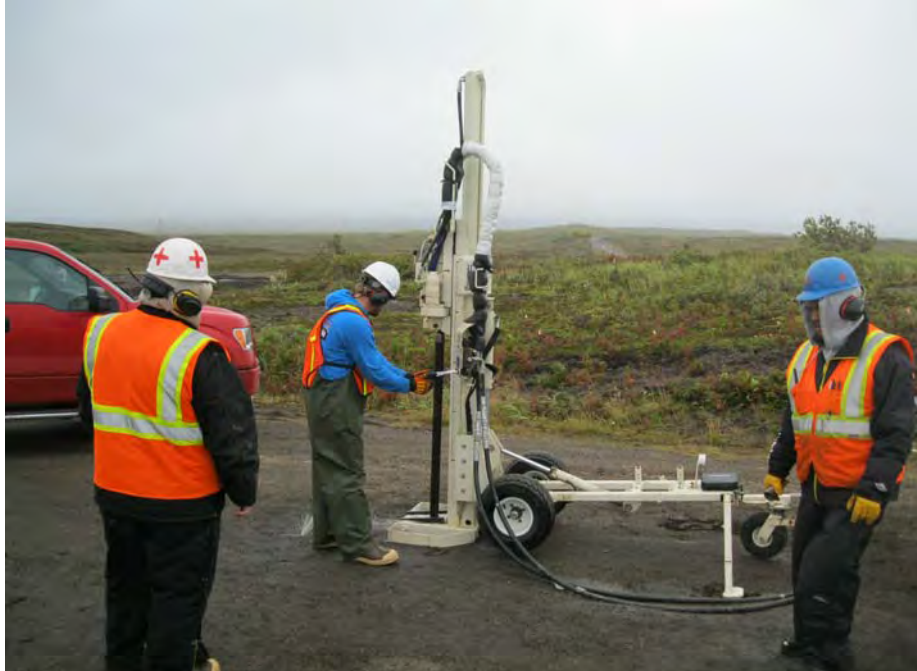


Photo No. 11 – 11913 E Geoprobe® Operation in Section 92



Photo No. 12 – 110913 Geoprobe®, View East



Photo No. 13 – 110913 Operating GPR, View East



Photo No. 15 – 110915 Surveying Shoulder Profile, View Southwest



Photo No. 16 – 110924 Geoprobe® Investigation, View West



Photo No. 17 – 110924 Geoprobe® Tools, View West



Photo No. 18 - 110924 Geoprobe® Decontamination, View West



Photo No. 19 – 110924 Geoprobe® Operation



Photo No. 20 – 110924 Geoprobe® Operation, View East



Photo No. 21 – 110924 Geoprobe® Decontamination and Operation, View East



Photo No. 22 – 110924 Geoprobe® Truck, View East



Photo No. 23 – 110924 Geoprobe® Sleeves, View East



Photo No. 24 – 110924 Geoprobe® Decontamination, View East



Photo No. 25 – 111031 Stockpile Warning Signs on Gate, View East



Photo No. 26– 111031 Stockpiles of Storage Area 2, View East



Photo No. 27 – 111031 Stockpile in Storage Area 1, View North



Photo No. 29 – 111031 Stockpile Signs, View North



Photo No. 30 – Frequency Domain Electromagnetic Surveying

APPENDIX G
Conceptual Site Model

Human Health Conceptual Site Model Scoping Form

Site Name:

File Number:

Completed by:

Introduction

The form should be used to reach agreement with the Alaska Department of Environmental Conservation (DEC) about which exposure pathways should be further investigated during site characterization. From this information, summary text about the CSM and a graphic depicting exposure pathways should be submitted with the site characterization work plan and updated as needed in later reports.

General Instructions: *Follow the italicized instructions in each section below.*

1. General Information:

Sources *(check potential sources at the site)*

☐ USTs	☒ Vehicles
☐ ASTs	☐ Landfills
☐ Dispensers/fuel loading racks	☒ Transformers
☒ Drums	☒ Other: Generators, Oil spread on roads for dust control

Release Mechanisms *(check potential release mechanisms at the site)*

☒ Spills	☒ Direct discharge
☒ Leaks	☐ Burning
	☐ Other:

Impacted Media *(check potentially-impacted media at the site)*

☒ Surface soil (0-2 feet bgs*)	☐ Groundwater
☒ Subsurface soil (>2 feet bgs)	☐ Surface water
☐ Air	☒ Biota
☐ Sediment	☐ Other:

Receptors *(check receptors that could be affected by contamination at the site)*

☒ Residents (adult or child)	☒ Site visitor
☒ Commercial or industrial worker	☒ Trespasser
☒ Construction worker	☒ Recreational user
☒ Subsistence harvester (i.e. gathers wild foods)	☐ Farmer
☒ Subsistence consumer (i.e. eats wild foods)	☐ Other:

2. Exposure Pathways: *(The answers to the following questions will identify complete exposure pathways at the site. Check each box where the answer to the question is "yes".)*

a) Direct Contact -

1. Incidental Soil Ingestion

Are contaminants present or potentially present in surface soil between 0 and 15 feet below the ground surface? (Contamination at deeper depths may require evaluation on a site-specific basis.) ☒

If the box is checked, label this pathway complete:

Complete

Comments:

2. Dermal Absorption of Contaminants from Soil

Are contaminants present or potentially present in surface soil between 0 and 15 feet below the ground surface? (Contamination at deeper depths may require evaluation on a site specific basis.) ☒

Can the soil contaminants permeate the skin (see Appendix B in the guidance document)? ☒

If both boxes are checked, label this pathway complete:

Complete

Comments:

b) Ingestion -

1. Ingestion of Groundwater

Have contaminants been detected or are they expected to be detected in the groundwater, or are contaminants expected to migrate to groundwater in the future? ☐

Could the potentially affected groundwater be used as a current or future drinking water source? Please note, only leave the box unchecked if DEC has determined the groundwater is not a currently or reasonably expected future source of drinking water according to 18 AAC 75.350. ☐

If both boxes are checked, label this pathway complete:

Incomplete

Comments:

No groundwater encountered at site.

2. Ingestion of Surface Water

Have contaminants been detected or are they expected to be detected in surface water, or are contaminants expected to migrate to surface water in the future?

☐

Could potentially affected surface water bodies be used, currently or in the future, as a drinking water source? Consider both public water systems and private use (i.e., during residential, recreational or subsistence activities).

☐

If both boxes are checked, label this pathway complete:

Incomplete

Comments:

Surface water is not in contact with contaminated area.

3. Ingestion of Wild and Farmed Foods

Is the site in an area that is used or reasonably could be used for hunting, fishing, or harvesting of wild or farmed foods?

☒

Do the site contaminants have the potential to bioaccumulate (see Appendix C in the guidance document)?

☒

Are site contaminants located where they would have the potential to be taken up into biota? (i.e. soil within the root zone for plants or burrowing depth for animals, in groundwater that could be connected to surface water, etc.)

☒

If all of the boxes are checked, label this pathway complete:

Complete

Comments:

Tundra surrounding Site Road could possibly contain PCB contaminants and cause incidental ingestion due to normal hand-to-mouth activities through subsistence hunting and/or harvesting.

c) Inhalation-

1. Inhalation of Outdoor Air

Are contaminants present or potentially present in surface soil between 0 and 15 feet below the ground surface? (Contamination at deeper depths may require evaluation on a site specific basis.)

☒

Are the contaminants in soil volatile (see Appendix D in the guidance document)?

☐

If both boxes are checked, label this pathway complete:

Incomplete

Comments:

volatile compounds were not found in soils

2. Inhalation of Indoor Air

Are occupied buildings on the site or reasonably expected to be occupied or placed on the site in an area that could be affected by contaminant vapors? (within 30 horizontal or vertical feet of petroleum contaminated soil or groundwater; within 100 feet of non-petroleum contaminated soil or groundwater; or subject to "preferential pathways," which promote easy airflow like utility conduits or rock fractures)

☐

Are volatile compounds present in soil or groundwater (see Appendix D in the guidance document)?

☐

If both boxes are checked, label this pathway complete:

Incomplete

Comments:

Volatile compounds were not found in soils

3. Additional Exposure Pathways: *(Although there are no definitive questions provided in this section, these exposure pathways should also be considered at each site. Use the guidelines provided below to determine if further evaluation of each pathway is warranted.)*

Dermal Exposure to Contaminants in Groundwater and Surface Water

Dermal exposure to contaminants in groundwater and surface water may be a complete pathway if:

- Climate permits recreational use of waters for swimming.
- Climate permits exposure to groundwater during activities, such as construction.
- Groundwater or surface water is used for household purposes, such as bathing or cleaning.

Generally, DEC groundwater cleanup levels in 18 AAC 75, Table C, are assumed to be protective of this pathway.

Check the box if further evaluation of this pathway is needed:

☐

Comments:

Inhalation of Volatile Compounds in Tap Water

Inhalation of volatile compounds in tap water may be a complete pathway if:

- The contaminated water is used for indoor household purposes such as showering, laundering, and dish washing.
- The contaminants of concern are volatile (common volatile contaminants are listed in Appendix D in the guidance document.)

Generally, DEC groundwater cleanup levels in 18 AAC 75, Table C, are assumed to be protective of this pathway.

Check the box if further evaluation of this pathway is needed:

☐

Comments:

Inhalation of Fugitive Dust

Inhalation of fugitive dust may be a complete pathway if:

- Nonvolatile compounds are found in the top 2 centimeters of soil. The top 2 centimeters of soil are likely to be dispersed in the wind as dust particles.
- Dust particles are less than 10 micrometers (Particulate Matter - PM₁₀). Particles of this size are called respirable particles and can reach the pulmonary parts of the lungs when inhaled.
- Chromium is present in soil that can be dispersed as dust particles of any size.

Generally, DEC direct contact soil cleanup levels in Table B1 of 18 AAC 75 are protective of this pathway because it is assumed most dust particles are incidentally ingested instead of inhaled to the lower lungs. The inhalation pathway only needs to be evaluated when very small dust particles are present (e.g., along a dirt roadway or where dusts are a nuisance). This is not true in the case of chromium. Site specific cleanup levels will need to be calculated in the event that inhalation of dust containing chromium is a complete pathway at a site.

Check the box if further evaluation of this pathway is needed:



Comments:

PCBs are non-volatile and are found in the top 2 cm in the organics of the soil layer. This layer can be affected by wind and moved as fugitive dust. Also small dust particles are present from being in close proximity of the Site Road.

Direct Contact with Sediment

This pathway involves people's hands being exposed to sediment, such as during some recreational, subsistence, or industrial activity. People then incidentally ingest sediment from normal hand-to-mouth activities. In addition, dermal absorption of contaminants may be of concern if the the contaminants are able to permeate the skin (see Appendix B in the guidance document). This type of exposure should be investigated if:

- Climate permits recreational activities around sediment.
- The community has identified subsistence or recreational activities that would result in exposure to the sediment, such as clam digging.

Generally, DEC direct contact soil cleanup levels in 18 AAC 75, Table B1, are assumed to be protective of direct contact with sediment.

Check the box if further evaluation of this pathway is needed:



Comments:

4. Other Comments *(Provide other comments as necessary to support the information provided in this form.)*

APPENDIX H
Geoprobe® Logs

JACOBS™

BORING LOG

Project: Site Road Subsurface Investigation - Geoprobe		ID: 11PH-GP005-C	
Client: US Air Force 611 CES		Surface Elev. (m) 23.94 m	Elev. Datum NAVD88
Easting (m) 521,893.5	Northing (m) 63,128,128.1	Coordinate and Projection System WGS1984, UTM Zone 4N	

Date Drilled: 15 Sep 2011	Driller: Jacobs Field Services NA	Geologist: J. Noggle
Type of Hole: Soil Boring	Depth to Groundwater: not encountered	
Drill Rig: Geoprobe 540MT	Tooling: Macrocore (2.25" single tube)	Total Depth: 8.0 ft

Depth (ft)	USCS Symbol	Lithology	VOCs (ppm)	Soil Description
0	SM			SILTY SAND w/ gravel: Dark brownish black. Probable relic ground surface at 2' BGS. Sample collected from 0'-2' BGS for laboratory analysis per EPA Method SW8082.
2	SM			Sample collected from 2'-4' BGS for laboratory analysis per EPA Method SW8082.
4	SM			Sample collected from 4'-6' BGS for laboratory analysis per EPA Method SW8082.
6	SM			Sample collected from 6'-8' BGS for laboratory analysis per EPA Method SW8082.
8				
10				<u>Note</u> Soils classified by ASTM 2488 Visual-Manual Method
12				
14				
16				
18				
20				
22				
24				
26				
28				

BORING LOG 2011 PTHIDEN2011PROJ.GPJ JBER_2011TWP.LT.GDT 2012/02/02

JACOBS™

BORING LOG

Project: Site Road Subsurface Investigation - Geoprobe		ID: 11PH-GP010-C	
Client: US Air Force 611 CES		Surface Elev. (m) 24.79 m	Elev. Datum NAVD88
Easting (m) 522,005.6	Northing (m) 6,312,922.2	Coordinate and Projection System WGS1984, UTM Zone 4N	

Date Drilled: 15 Sep 2011	Driller: Jacobs Field Services NA	Geologist: J. Noggle
Type of Hole: Soil Boring	Depth to Groundwater: not encountered	
Drill Rig: Geoprobe 540MT	Tooling: Macrocore (2.25" single tube)	Total Depth: 8.0 ft

Depth (ft)	USCS Symbol	Lithology	VOCs (ppm)	Soil Description
0	SM			SILTY SAND w/ gravel: Black. Sample collected from 0'-2' BGS for laboratory analysis per EPA Method SW8082.
2				Sample collected from 2'-4' BGS for laboratory analysis per EPA Method SW8082.
4	SM			SILTY SAND: Dark brown. Probable relic ground surface at 3' BGS. Sample collected from 4'-6' BGS for laboratory analysis per EPA Method SW8082.
6	SM			SILTY SAND w/ gravel: Black. Sample collected from 6'-8' BGS for laboratory analysis per EPA Method SW8082.
8				
10				<u>Note</u> Soils classified by ASTM 2488 Visual-Manual Method
12				
14				
16				
18				
20				
22				
24				
26				
28				

JACOBS™

BORING LOG

Project: Site Road Subsurface Investigation - Geoprobe		ID: 11PH-GP015-C	
Client: US Air Force 611 CES		Surface Elev. (m) 26.67 m	Elev. Datum NAVD88
Easting (m) 522,113.7	Northing (m) 6,313,031.9	Coordinate and Projection System WGS1984, UTM Zone 4N	

Date Drilled: 15 Sep 2011	Driller: Jacobs Field Services NA	Geologist: J. Noggle
Type of Hole: Soil Boring	Depth to Groundwater: not encountered	
Drill Rig: Geoprobe 540MT	Tooling: Macrocore (2.25" single tube)	Total Depth: 8.0 ft

Depth (ft)	USCS Symbol	Lithology	VOCs (ppm)	Soil Description
0	SM			SILTY SAND w/ gravel: Blackish dark brown. Sample collected from 0'-2' BGS for laboratory analysis per EPA Method SW8082.
2				Sample collected from 2'-4' BGS for laboratory analysis per EPA Method SW8082.
4	SM			SILTY SAND w/ gravel: Black. Probable relic ground surface at 3' BGS. Sample collected from 4'-6' BGS for laboratory analysis per EPA Method SW8082.
6				Sample collected from 6'-8' BGS for laboratory analysis per EPA Method SW8082.
8				
10				<u>Note</u> Soils classified by ASTM 2488 Visual-Manual Method
12				
14				
16				
18				
20				
22				
24				
26				
28				



BORING LOG

Project:
Site Road Subsurface Investigation - Geoprobe

ID:
11PH-GP020-C

Client:
US Air Force 611 CES

Surface Elev. (m) Elev. Datum
24.17 m NAVD88

Easting (m) Northing (m)
522,112.4 6,313,185.2

Coordinate and Projection System
WGS1984, UTM Zone 4N

Date Drilled: **15 Sep 2011**

Driller: **Jacobs Field Services NA**

Geologist: **J. Noggle**

Type of Hole: **Soil Boring**

Depth to Groundwater: **not encountered**

Drill Rig: **Geoprobe 540MT**

Tooling: **Macrocore (2.25" single tube)**

Total Depth: **8.0 ft**

Depth (ft)	USCS Symbol	Lithology	VOCs (ppm)	Soil Description
0	SM			SILTY SAND w/ gravel: Black. Sample collected from 0'-2' BGS for laboratory analysis per EPA Method SW8082.
2	SM			SILTY SAND: Dark brown. Probable relic ground surface at 1.5' BGS. Sample collected from 2'-4' BGS for laboratory analysis per EPA Method SW8082.
4	SM			Sample collected from 4'-6' BGS for laboratory analysis per EPA Method SW8082.
6	SM			Sample collected from 6'-8' BGS for laboratory analysis per EPA Method SW8082.
8				
10				<u>Note</u> Soils classified by ASTM 2488 Visual-Manual Method
12				
14				
16				
18				
20				
22				
24				
26				
28				



BORING LOG

Project:
Site Road Subsurface Investigation - Geoprobe

ID:
11PH-GP025-C

Client:
US Air Force 611 CES

Surface Elev. (m) Elev. Datum
23.64 m NAVD88

Easting (m) Northing (m)
522,076.7 6,313,339.4

Coordinate and Projection System
WGS1984, UTM Zone 4N

Date Drilled: **15 Sep 2011**

Driller: **Jacobs Field Services NA**

Geologist: **J. Noggle**

Type of Hole: **Soil Boring**

Depth to Groundwater: **not encountered**

Drill Rig: **Geoprobe 540MT**

Tooling: **Macrocore (2.25" single tube)**

Total Depth: **8.0 ft**

Depth (ft)	USCS Symbol	Lithology	VOCs (ppm)	Soil Description
0	SM			SILTY SAND w/ gravel: Dark brownish black. Sample collected from 0'-2' for laboratory analysis per EPA Method SW8082.
2	SM			SILTY SAND: Dark brown. Probable relic ground surface at 1.5' BGS.
4	SM			Sample collected from 2'-4' for laboratory analysis per EPA Method SW8082. SILTY SAND w/ gravel: Black. Sample collected from 4'-6' for laboratory analysis per EPA Method SW8082.
6				Sample collected from 6'-8' for laboratory analysis per EPA Method SW8082.
8				
10				<u>Note</u> Soils classified by ASTM 2488 Visual-Manual Method
12				
14				
16				
18				
20				
22				
24				
26				
28				

JACOBS™

BORING LOG

Project: Site Road Subsurface Investigation - Geoprobe		ID: 11PH-GP030-C	
Client: US Air Force 611 CES		Surface Elev. (m) 24.06 m	Elev. Datum NAVD88
Easting (m) 522,034.6	Northing (m) 6,313,490.1	Coordinate and Projection System WGS1984, UTM Zone 4N	

Date Drilled: 15 Sep 2011	Driller: Jacobs Field Services NA	Geologist: J. Noggle
Type of Hole: Soil Boring	Depth to Groundwater: not encountered	
Drill Rig: Geoprobe 540MT	Tooling: Macrocore (2.25" single tube)	Total Depth: 8.0 ft

Depth (ft)	USCS Symbol	Lithology	VOCs (ppm)	Soil Description
0	SM			SILTY SAND w/ gravel: Dark brownish black. Sample collected from 0'-2' BGS for laboratory analysis per EPA Method SW8082.
2				Sample collected from 2'-4' BGS for laboratory analysis per EPA Method SW8082.
	SM			SILTY SAND: Light to dark brown. Probable relic ground surface at 3' BGS.
4	SM			SILTY SAND w/ gravel: Dark brownish black. Sample collected from 4'-6' BGS for laboratory analysis per EPA Method SW8082.
6	SM			Sample collected from 6'-8' BGS for laboratory analysis per EPA Method SW8082.
8				
10				<u>Note</u> Soils classified by ASTM 2488 Visual-Manual Method
12				
14				
16				
18				
20				
22				
24				
26				
28				

JACOBS™

BORING LOG

Project: Site Road Subsurface Investigation - Geoprobe		ID: 11PH-GP035-C	
Client: US Air Force 611 CES		Surface Elev. (m) 27.39 m	Elev. Datum NAVD88
Easting (m) 521,976.9	Northing (m) 6,313,632.5	Coordinate and Projection System WGS1984, UTM Zone 4N	

Date Drilled: 15 Sep 2011	Driller: Jacobs Field Services NA	Geologist: J. Noggle
Type of Hole: Soil Boring	Depth to Groundwater: not encountered	
Drill Rig: Geoprobe 540MT	Tooling: Macrocore (2.25" single tube)	Total Depth: 12.0 ft

Depth (ft)	USCS Symbol	Lithology	VOCs (ppm)	Soil Description
0	GP/SP			POORLY GRADED SANDY GRAVEL: Black. Sample collected from 0'-2' BGS for laboratory analysis per EPA Method SW8082.
2				Sample collected from 2'-4' BGS for laboratory analysis per EPA Method SW8082.
4	SM			SILTY SAND w/ gravel: Black. Sample collected from 4'-6' BGS for laboratory analysis per EPA Method SW8082.
6				Sample collected from 6'-8' BGS for laboratory analysis per EPA Method SW8082.
8	SM			SILTY SAND w/ gravel: Light to dark brown. Probable relic ground surface at 7' BGS. Sample collected from 8'-10' BGS for laboratory analysis per EPA Method SW8082.
10				Sample collected from 10'-12' BGS for laboratory analysis per EPA Method SW8082.
12				
14				<u>Note</u> Soils classified by ASTM 2488 Visual-Manual Method
16				
18				
20				
22				
24				
26				
28				

BORING LOG 2011 PTHIDEN2011PROJ.GPJ JBER_2011TWP.LT.GDT 2012/02/02



BORING LOG

Project:
Site Road Subsurface Investigation - Geoprobe

ID:
11PH-GP040-C

Client:
US Air Force 611 CES

Surface Elev. (m) Elev. Datum
32.17 m NAVD88

Easting (m) Northing (m)
521,920.2 6,313,775.2

Coordinate and Projection System
WGS1984, UTM Zone 4N

Date Drilled: **15 Sep 2011**

Driller: **Jacobs Field Services NA**

Geologist: **J. Noggle**

Type of Hole: **Soil Boring**

Depth to Groundwater: **not encountered**

Drill Rig: **Geoprobe 540MT**

Tooling: **Macrocore (2.25" single tube)**

Total Depth: **16.0 ft**

Depth (ft)	USCS Symbol	Lithology	VOCs (ppm)	Soil Description
0	GP-GM			POORLY GRADED GRAVEL w/ silt and sand: Dark brownish black. Sample collected from 0'-2' BGS for laboratory analysis per EPA Method SW8082.
2	SM			SILTY SAND: Dark brown. Probable relic ground surface at 2' BGS. Sample collected from 2'-4' BGS for laboratory analysis per EPA Method SW8082.
4	SM			SILTY SAND w/ gravel: Light to dark brown w/ mottles. Sample collected from 4'-6' BGS for laboratory analysis per EPA Method SW8082.
6				Sample collected from 6'-8' BGS for laboratory analysis per EPA Method SW8082.
8				Sample collected from 8'-10' BGS for laboratory analysis per EPA Method SW8082.
10				Sample collected from 10'-12' BGS for laboratory analysis per EPA Method SW8082.
12				Sample collected from 12'-14' BGS for laboratory analysis per EPA Method SW8082.
14				Sample collected from 14'-16' BGS for laboratory analysis per EPA Method SW8082.
16				
18				<u>Note</u> Soils classified by ASTM 2488 Visual-Manual Method
20				
22				
24				
26				
28				



BORING LOG

Project:
Site Road Subsurface Investigation - Geoprobe

ID:
11PH-GP046-C

Client:
US Air Force 611 CES

Surface Elev. (m) Elev. Datum
29.80 m NAVD88

Easting (m) Northing (m)
521,888.6 6,313,956.0

Coordinate and Projection System
WGS1984, UTM Zone 4N

Date Drilled: **15 Sep 2011**

Driller: **Jacobs Field Services NA**

Geologist: **J. Noggle**

Type of Hole: **Soil Boring**

Depth to Groundwater: **not encountered**

Drill Rig: **Geoprobe 540MT**

Tooling: **Macrocore (2.25" single tube)**

Total Depth: **8.0 ft**

Depth (ft)	USCS Symbol	Lithology	VOCs (ppm)	Soil Description
0	GP-GM			POORLY GRADED GRAVEL w/ silt and sand: Black. Sample collected from 0'-2' BGS for laboratory analysis per EPA Method SW8082.
2	SM			Sample collected from 2'-4' BGS for laboratory analysis per EPA Method SW8082. SILTY SAND: Dark brown.
4	SM			Probable relic ground surface at 2.5' BGS. SILTY SAND w/ gravel: Black.
6	GP-GM			Sample collected from 4'-6' BGS for laboratory analysis per EPA Method SW8082. POORLY GRADED GRAVEL w/ silt and sand: Black.
8				Sample collected from 6'-8' BGS for laboratory analysis per EPA Method SW8082.
10				<u>Note</u> Soils classified by ASTM 2488 Visual-Manual Method
12				
14				
16				
18				
20				
22				
24				
26				
28				

JACOBS™

BORING LOG

Project: Site Road Subsurface Investigation - Geoprobe		ID: 11-PH-GP050-C	
Client: US Air Force 611 CES		Surface Elev. (m) 27.29 m	Elev. Datum NAVD88
Easting (m) 521,878.0	Northing (m) 6,314,077.9	Coordinate and Projection System WGS1984, UTM Zone 4N	
Date Drilled: 14 Sep 2011		Driller: Jacobs Field Services NA	
		Geologist: J. Noggle	

Type of Hole: Soil Boring	Depth to Groundwater: not encountered
Drill Rig: Geoprobe 540MT	Tooling: Macrocore (2.25" single tube)
Total Depth: 12.0 ft	

Depth (ft)	USCS Symbol	Lithology	VOCs (ppm)	Soil Description
0	SM			SILTY SAND w/ gravel: Blackish dark brown. Sample collected from 0'-2' BGS for laboratory analysis per EPA Method SW8082.
2				Sample collected from 2'-4' BGS for laboratory analysis per EPA Method SW8082.
4	GP-GM			POORLY GRADED GRAVEL w/ silt and sand: Greyish black. Probable relic ground surface at 4' BGS. Sample collected from 4'-6' BGS for laboratory analysis per EPA Method SW8082. Sample collected from 6'-8' BGS for laboratory analysis per EPA Method SW8082.
6				
8				Sample collected from 8'-10' BGS for laboratory analysis per EPA Method SW8082.
10				Sample collected from 10'-12' BGS for laboratory analysis per EPA Method SW8082.
12				
14				<u>Note</u> Soils classified by ASTM 2488 Visual-Manual Method
16				
18				
20				
22				
24				
26				
28				

BORING LOG 2011 PTHIDEN2011PROJ.GPJ JBER_2011T1MPLT.GDT 2012/02/02



BORING LOG

Project:
Site Road Subsurface Investigation - Geoprobe

ID:
11-PH-GP055

Client:
US Air Force 611 CES

Surface Elev. (m) Elev. Datum
26.84 m NAVD88

Easting (m) Northing (m)
521,861.9 6,314,248.3

Coordinate and Projection System
WGS1984, UTM Zone 4N

Date Drilled: **14 Sep 2011**

Driller: **Jacobs Field Services NA**

Geologist: **J. Noggle**

Type of Hole: **Soil Boring**

Depth to Groundwater: **not encountered**

Drill Rig: **Geoprobe 540MT**

Tooling: **Macrocore (2.25" single tube)**

Total Depth: **11.0 ft**

Depth (ft)	USCS Symbol	Lithology	VOCs (ppm)	Soil Description
0	GP-GM			POORLY GRADED GRAVEL w/ silt and sand: Dark brownish black. Sample collected from 0'-2' BGS for laboratory analysis per EPA Method SW8082.
2				Sample collected from 2'-4' BGS for laboratory analysis per EPA Method SW8082.
4	GP-GM			POORLY GRADED GRAVEL w/ silt and sand: Black greyish white. Probable relic ground surface at 4' BGS. Sample collected from 4'-6' BGS for laboratory analysis per EPA Method SW8082.
6				Sample collected from 6'-8' BGS for laboratory analysis per EPA Method SW8082.
8	SM			SILTY SAND: Dark brown. Sample collected from 8'-10' BGS for laboratory analysis per EPA Method SW8082.
10	GP-GM			POORLY GRADED GRAVEL w/ silt and sand: Black. Sample collected from 10'-11' BGS for laboratory analysis per EPA Method SW8082.
12				
14				<u>Note</u> Soils classified by ASTM 2488 Visual-Manual Method
16				
18				
20				
22				
24				
26				
28				

JACOBS™

BORING LOG

Project: Site Road Subsurface Investigation - Geoprobe		ID: 11PH-GP060-C	
Client: US Air Force 611 CES		Surface Elev. (m) 26.60 m	Elev. Datum NAVD88
Easting (m) 521,844.4	Northing (m) 6,314,388.2	Coordinate and Projection System WGS1984, UTM Zone 4N	

Date Drilled: 14 Sep 2011	Driller: Jacobs Field Services NA	Geologist: J. Noggle
Type of Hole: Soil Boring	Depth to Groundwater: not encountered	
Drill Rig: Geoprobe 540MT	Tooling: Macrocore (2.25" single tube)	Total Depth: 8.0 ft

Depth (ft)	USCS Symbol	Lithology	VOCs (ppm)	Soil Description
0	SM			SILTY SAND w/ gravel: Dark brownish black. Sample collected from 0'-2' BGS for laboratory analysis per EPA Method SW8082.
2				Sample collected from 2'-4' BGS for laboratory analysis per EPA Method SW8082.
4				Sample collected from 4'-6' BGS for laboratory analysis per EPA Method SW8082.
6	GM			SILTY GRAVEL w/ sand: Black. Probable relic ground surface at 6' BGS. Sample collected from 6'-8' BGS for laboratory analysis per EPA Method SW8082.
8				
10				<u>Note</u> Soils classified by ASTM 2488 Visual-Manual Method
12				
14				
16				
18				
20				
22				
24				
26				
28				



BORING LOG

Project:
Site Road Subsurface Investigation - Geoprobe

ID:
11PH-GP065-C

Client:
US Air Force 611 CES

Surface Elev. (m) Elev. Datum
28.44 m NAVD88

Easting (m) Northing (m)
521,776.6 6,314,512.9

Coordinate and Projection System
WGS1984, UTM Zone 4N

Date Drilled: **14 Sep 2011**

Driller: **Jacobs Field Services NA**

Geologist: **J. Noggle**

Type of Hole: **Soil Boring**

Depth to Groundwater: **not encountered**

Drill Rig: **Geoprobe 540MT**

Tooling: **Macrocore (2.25" single tube)**

Total Depth: **8.0 ft**

Depth (ft)	USCS Symbol	Lithology	VOCs (ppm)	Soil Description
0	GP-GM			POORLY GRADED GRAVEL w/ silt and sand: Dark brownish black. Sample collected from 0'-2' BGS for laboratory analysis per EPA Method SW8082.
2				Sample collected from 2'-4' BGS for laboratory analysis per EPA Method SW8082.
	SM			SILTY SAND: Brown w/ mottles. Probable relic ground surface at 3' BGS.
4	GM			SILTY GRAVEL w/ sand: Brown. Sample collected from 4'-6' BGS for laboratory analysis per EPA Method SW8082.
6				Sample collected from 6'-8' BGS for laboratory analysis per EPA Method SW8082.
8	GP-GM			POORLY GRADED GRAVEL w/ silt and sand: Dark brownish black.
10				<u>Note</u> Soils classified by ASTM 2488 Visual-Manual Method
12				
14				
16				
18				
20				
22				
24				
26				
28				

JACOBS™

BORING LOG

Project: Site Road Subsurface Investigation - Geoprobe		ID: 11PH-GP070-C	
Client: US Air Force 611 CES		Surface Elev. (m) 24.47 m	Elev. Datum NAVD88
Easting (m) 521,638.3	Northing (m) 6,314,576.9	Coordinate and Projection System WGS1984, UTM Zone 4N	

Date Drilled: 14 Sep 2011	Driller: Jacobs Field Services NA	Geologist: J. Noggle
Type of Hole: Soil Boring	Depth to Groundwater: not encountered	
Drill Rig: Geoprobe 540MT	Tooling: Macrocore (2.25" single tube)	Total Depth: 12.0 ft

Depth (ft)	USCS Symbol	Lithology	VOCs (ppm)	Soil Description
0	SM			SILTY SAND w/ gravel: Blackish dark brown. Sample collected from 0'-2' BGS for laboratory analysis per EPA Method SW8082.
2				Sample collected from 2'-4' BGS for laboratory analysis per EPA Method SW8082.
4				Sample collected from 4'-6' BGS for laboratory analysis per EPA Method SW8082.
6				Sample collected from 6'-8' BGS for laboratory analysis per EPA Method SW8082.
8				Sample collected from 8'-10' BGS for laboratory analysis per EPA Method SW8082.
10	SM			SILTY SAND: Brown w/ mottles. Probable relic ground surface at 9' BGS. Sample collected from 10'-12' BGS for laboratory analysis per EPA Method SW8082.
12	SM			SILTY SAND w/ gravel: Brown.
14				<u>Note</u> Soils classified by ASTM 2488 Visual-Manual Method
16				
18				
20				
22				
24				
26				
28				

BORING LOG 2011 PTHEDEN2011PROJ.GPJ JBER_2011TWP.LT.GDT 2012/02/02



BORING LOG

Project:
Site Road Subsurface Investigation - Geoprobe

ID:
11PH-GP075-C

Client:
US Air Force 611 CES

Surface Elev. (m) Elev. Datum
23.79 m NAVD88

Easting (m) Northing (m)
521,497.6 6,314,634.3

Coordinate and Projection System
WGS1984, UTM Zone 4N

Date Drilled: **14 Sep 2011**

Driller: **Jacobs Field Services NA**

Geologist: **J. Noggle**

Type of Hole: **Soil Boring**

Depth to Groundwater: **not encountered**

Drill Rig: **Geoprobe 540MT**

Tooling: **Macrocore (2.25" single tube)**

Total Depth: **16.0 ft**

Depth (ft)	USCS Symbol	Lithology	VOCs (ppm)	Soil Description
0	SM			SILTY SAND w/ gravel: Blackish dark brown. Sample collected from 0'-2' BGS for laboratory analysis per EPA Method SW8082.
2	GP-GM			POORLY GRADED GRAVEL w/ silt and sand: Dark brownish black. Sample collected from 2'-4' BGS for laboratory analysis per EPA Method SW8082.
4				Sample collected from 4'-6' BGS for laboratory analysis per EPA Method SW8082.
6				Sample collected from 6'-8' BGS for laboratory analysis per EPA Method SW8082.
8	SM			SILTY SAND: Brown w/ mottles. Probable relic ground surface at 7' BGS. Sample collected from 8'-10' BGS for laboratory analysis per EPA Method SW8082.
10	SM			SILTY SAND: Dark brown. Sample collected from 10'-12' BGS for laboratory analysis per EPA Method SW8082.
12	GP-GM			SILTY SAND: Brown. POORLY GRADED GRAVEL w/ silt and sand: Dark brownish black. Sample collected from 12'-14' BGS for laboratory analysis per EPA Method SW8082.
14				Sample collected from 14'-16' BGS for laboratory analysis per EPA Method SW8082.
16				
18				<u>Note</u> Soils classified by ASTM 2488 Visual-Manual Method
20				
22				
24				
26				
28				



BORING LOG

Project:
Site Road Subsurface Investigation - Geoprobe

ID:
11PH-GP078-R

Client:
US Air Force 611 CES

Surface Elev. (m) Elev. Datum
23.59 m NAVD88

Easting (m) Northing (m)
521,414.3 6,314,672.6

Coordinate and Projection System
WGS1984, UTM Zone 4N

Date Drilled: **04 Oct 2011**

Driller: **Jacobs Field Services NA**

Geologist: **Chris Fell**

Type of Hole: **Soil Boring**

Depth to Groundwater: **not encountered**

Drill Rig: **Geoprobe 540MT**

Tooling: **Macrocore (2.25" single tube)**

Total Depth: **2.0 ft**

Depth (ft)	USCS Symbol	Lithology	VOCs (ppm)	Soil Description
0	SM			SILTY SAND w/ gravel: Loose to medium dense, brown, moist. Sample collected from 0'-2' BGS for laboratory analysis per EPA Method SW8082.
2	SP			POORLY GRADED SAND (medium to coarse) w/ gravel: Light greyish brown, moist.
4				<u>Note</u> Soils classified by ASTM 2488 Visual-Manual Method
6				
8				
10				
12				
14				
16				
18				
20				
22				
24				
26				
28				

JACOBS™

BORING LOG

Project: Site Road Subsurface Investigation - Geoprobe		ID: 11PH-GP079-C	
Client: US Air Force 611 CES		Surface Elev. (m) 23.82 m	Elev. Datum NAVD88
Easting (m) 521,370.9	Northing (m) 6,314,686.6	Coordinate and Projection System WGS1984, UTM Zone 4N	

Date Drilled: 14 Sep 2011	Driller: Jacobs Field Services NA	Geologist: J. Noggle
Type of Hole: Soil Boring	Depth to Groundwater: not encountered	
Drill Rig: Geoprobe 540MT	Tooling: Macrocore (2.25" single tube)	Total Depth: 16.0 ft

Depth (ft)	USCS Symbol	Lithology	VOCs (ppm)	Soil Description
0	SM			SILTY SAND w/ gravel: Blackish dark brown. Sample collected from 0'-2' BGS for laboratory analysis per EPA Method SW8082.
2				Sample collected from 2'-4' BGS for laboratory analysis per EPA Method SW8082.
4				Sample collected from 4'-6' BGS for laboratory analysis per EPA Method SW8082.
6				Sample collected from 6'-8' BGS for laboratory analysis per EPA Method SW8082.
8	SM			SILTY SAND w/ gravel: Dark brownish/black. Probable relic ground surface at 7' BGS.
	GP/SP			Sample collected from 8'-10' BGS for laboratory analysis per EPA Method SW8082. POORLY GRADED SANDY GRAVEL: Light brownish grey.
10	SM			Sample collected from 10'-12' BGS for laboratory analysis per EPA Method SW8082. SILTY SAND w/ gravel: Dark brown w/ mottles.
12	SM			SILTY SAND w/ gravel: Light brown.
14				
16				
18				<u>Note</u> Soils classified by ASTM 2488 Visual-Manual Method
20				
22				
24				
26				
28				

JACOBS™

BORING LOG

Project: Site Road Subsurface Investigation - Geoprobe		ID: 11PH-GP080-L	
Client: US Air Force 611 CES		Surface Elev. (m) 23.85 m	Elev. Datum NAVD88
Easting (m) 521,354.7	Northing (m) 6,314,689.6	Coordinate and Projection System WGS1984, UTM Zone 4N	
Date Drilled: 04 Oct 2011		Driller: Jacobs Field Services NA	
		Geologist: Chris Fell	

Type of Hole: Soil Boring	Depth to Groundwater: 17.0 ft bgs (measured during drilling)
Drill Rig: Geoprobe 540MT	Tooling: Macrocore (2.25" single tube)
Total Depth: 20.0 ft	

Depth (ft)	USCS Symbol	Lithology	VOCs (ppm)	Soil Description
0	SP-SM			POORLY GRADED SAND w/ silt and gravel: Loose to medium dense, brown, fine roots at .5' BGS. Sample collected from 0'-2' BGS for laboratory analysis per EPA Method SW8082.
2				Sample collected from 2'-4' BGS for laboratory analysis per EPA Method SW8082.
4	SM SP-SM			SILTY SAND: Loose, dark brown, wet, true organics. Probable relic ground surface at 3.5' BGS. POORLY GRADED SAND w/ silt and gravel: Loose to medium dense, brown, moist. Sample collected from 4'-6' BGS for laboratory analysis per EPA Method SW8082.
6				Sample collected from 6'-8' BGS for laboratory analysis per EPA Method SW8082.
8	SP-SM			POORLY GRADED SAND w/ silt and gravel: Dense, brown, moist. Sample collected from 8'-10' BGS for laboratory analysis per EPA Method SW8082.
10				Sample collected from 10'-12' BGS for laboratory analysis per EPA Method SW8082.
12	SM SP-SM			SILTY SAND: Dense, brown, wet. POORLY GRADED SAND (fine) w/ silt: Medium dense, tan to light brown, wet to saturated. Sample collected from 12'-14' BGS for laboratory analysis per EPA Method SW8082.
14	SP-SM			POORLY GRADED SAND (medium) w/ silt: Medium dense, brown to dark brown, moist to wet. Sample collected from 14'-16' BGS for laboratory analysis per EPA Method SW8082.
16	SP-SM			POORLY GRADED SAND (fine) w/ silt: Medium dense, light brown w/ mottles, wet to saturated. Groundwater encountered at 17' BGS.
18				Sample collected from 16'-18' BGS for laboratory analysis per EPA Method SW8082. Sample collected from 18'-20' BGS for laboratory analysis per EPA Method SW8082.
20				
22				<u>Note</u> Soils classified by ASTM 2488 Visual-Manual Method
24				
26				
28				

BORING LOG 2011 PTH\IDEN2011\PROJ\GPJ_BER_2011\TMPLT.GDT 2012/02/02



BORING LOG

Project:
Site Road Subsurface Investigation - Geoprobe

ID:
11PH-GP085-C

Client:
US Air Force 611 CES

Surface Elev. (m) Elev. Datum
27.53 m NAVD88

Easting (m) Northing (m)
521,212.2 6,314,750.9

Coordinate and Projection System
WGS1984, UTM Zone 4N

Date Drilled: **13 Sep 2011**

Driller: **Jacobs Field Services NA**

Geologist: **J. Noggle**

Type of Hole: **Soil Boring**

Depth to Groundwater: **not encountered**

Drill Rig: **Geoprobe 540MT**

Tooling: **Macrocore (2.25" single tube)**

Total Depth: **12.0 ft**

Depth (ft)	USCS Symbol	Lithology	VOCs (ppm)	Soil Description
0	GP-GM			POORLY GRADED GRAVEL w/ silt and sand: Dark brownish black. Sample collected from 0'-2' BGS for laboratory analysis per EPA Method SW8082.
2				Sample collected from 2'-4' BGS for laboratory analysis per EPA Method SW8082.
4	SM			SILTY SAND: Dark brown. Sample collected from 4'-6' BGS for laboratory analysis per EPA Method SW8082.
	SM			SILTY SAND w/ gravel: Dark brown w/ mottles.
6	SM			SILTY SAND: Black. Probable relic ground surface at 6' BGS. Sample collected from 6'-8' BGS for laboratory analysis per EPA Method SW8082.
8	SM			SILTY SAND: Dark brown. Sample collected from 8'-10' BGS for laboratory analysis per EPA Method SW8082.
	SM			SILTY SAND: Black.
10				SILTY SAND: Medium brown w/ mottles. Sample collected from 10'-12' BGS for laboratory analysis per EPA Method SW8082.
12	GP-GM			POORLY GRADED GRAVEL w/ silt and sand: Dark brown.
14				<u>Note</u> Soils classified by ASTM 2488 Visual-Manual Method
16				
18				
20				
22				
24				
26				
28				



BORING LOG

Project:
Site Road Subsurface Investigation - Geoprobe

ID:
11PH-GP086-R

Client:
US Air Force 611 CES

Surface Elev. (m) Elev. Datum
28.42 m NAVD88

Easting (m) Northing (m)
521,186.1 6,314,766.7

Coordinate and Projection System
WGS1984, UTM Zone 4N

Date Drilled: **05 Oct 2011**

Driller: **Jacobs Field Services NA**

Geologist: **J. Noggle**

Type of Hole: **Soil Boring**

Depth to Groundwater: **not encountered**

Drill Rig: **Geoprobe 540MT**

Tooling: **Macrocore (2.25" single tube)**

Total Depth: **20.0 ft**

Depth (ft)	USCS Symbol	Lithology	VOCs (ppm)	Soil Description
0	SM			SILTY SAND w/ gravel: Medium dense, light brown, moist. Sample collected from 0'-2' BGS for laboratory analysis per EPA Method SW8082.
2	SM			SILTY SAND w/ gravel: Medium dense, medium brown, moist, true organics (roots). Probable relic ground surface at 3.5' BGS.
4	SP SP			Sample collected from 2'-4' BGS for laboratory analysis per EPA Method SW8082. POORLY GRADED SAND w/ gravel: Medium dense, light brown, moist. POORLY GRADED SAND w/ gravel: Loose to medium dense, light brown and mottled, moist. Sample collected from 4'-6' BGS for laboratory analysis per EPA Method SW8082.
6	SP-SM			POORLY GRADED SAND (coarse) w/ silt and gravel: Dense, light brown, moist. Sample collected from 6'-8' BGS for laboratory analysis per EPA Method SW8082.
8	SP			POORLY GRADED SAND w/ gravel: Loose to dense, light brown, moist. Sample collected from 8'-10' BGS for laboratory analysis per EPA Method SW8082.
10	SW			WELL GRADED SAND (fine to medium) w/ gravel: Medium dense, brownish black, minimal moisture. Sample collected from 10'-12' BGS for laboratory analysis per EPA Method SW8082.
12	SP			POORLY GRADED SAND w/ gravel: Medium dense, light brown, moist. Sample collected from 12'-14' BGS for laboratory analysis per EPA Method SW8082.
14	GP			POORLY GRADED GRAVEL w/ sand: Medium dense, light brown, moist. Sample collected from 14'-16' BGS for laboratory analysis per EPA Method SW8082.
16				Sample collected from 16'-18' BGS for laboratory analysis per EPA Method SW8082.
18	SP			POORLY GRADED SAND w/ gravel: Medium dense, light to dark brown, moist. Sample collected from 18'-20' BGS for laboratory analysis per EPA Method SW8082.
20				
22				<u>Note</u> Soils classified by ASTM 2488 Visual-Manual Method
24				
26				
28				



BORING LOG

Project:
Site Road Subsurface Investigation - Geoprobe

ID:
11PH-GP087-L

Client:
US Air Force 611 CES

Surface Elev. (m) Elev. Datum
29.44 m NAVD88

Easting (m) Northing (m)
521,155.3 6,314,770.8

Coordinate and Projection System
WGS1984, UTM Zone 4N

Date Drilled: **04 Oct 2011**

Driller: **Jacobs Field Services NA**

Geologist: **Chris Fell**

Type of Hole: **Soil Boring**

Depth to Groundwater: **not encountered**

Drill Rig: **Geoprobe 540MT**

Tooling: **Macrocore (2.25" single tube)**

Total Depth: **20.0 ft**

Depth (ft)	USCS Symbol	Lithology	VOCs (ppm)	Soil Description
0	SP-SM			POORLY GRADED SAND w/ silt and gravel: Medium dense, brown, wet. Sample collected from 0'-2' BGS for laboratory analysis per EPA Method SW8082.
2	SM			SILTY SAND: Medium dense to loose, dark brown, wet, true organics (fine roots). Sample collected from 2'-4' BGS for laboratory analysis per EPA Method SW8082.
4	SW			WELL GRADED SAND (fine to medium) w/ gravel: Medium dense, light brown, moist. Sample collected from 4'-6' BGS for laboratory analysis per EPA Method SW8082.
6	SM			SILTY SAND w/ gravel: Medium dense, light brown, wet, trace fine organics at 6' BGS. Probable relic ground surface at 6' BGS.
8	SP			Sample collected from 6'-8' BGS for laboratory analysis per EPA Method SW8082. POORLY GRADED SAND (medium) w/ gravel: Medium dense, dark brown w/ mottles, moist. Sample collected from 8'-10' BGS for laboratory analysis per EPA Method SW8082.
10				Sample collected from 10'-12' BGS for laboratory analysis per EPA Method SW8082.
12				Sample collected from 12'-14' BGS for laboratory analysis per EPA Method SW8082.
14	SP			POORLY GRADED SAND (coarse) w/ trace gravel: Medium dense, dark brown w/ mottles, moist. Sample collected from 14'-16' BGS for laboratory analysis per EPA Method SW8082.
16				Sample collected from 16'-18' BGS for laboratory analysis per EPA Method SW8082.
18				Sample collected from 18'-20' BGS for laboratory analysis per EPA Method SW8082.
20				
22				<u>Note</u> Soils classified by ASTM 2488 Visual-Manual Method
24				
26				
28				

JACOBS™

BORING LOG

Project: Site Road Subsurface Investigation - Geoprobe		ID: 11PH-GP088-R	
Client: US Air Force 611 CES		Surface Elev. (m) 30.01 m	Elev. Datum NAVD88
Easting (m) 521,129.8	Northing (m) 6,314,789.3	Coordinate and Projection System WGS1984, UTM Zone 4N	
Date Drilled: 05 Oct 2011		Driller: Jacobs Field Services NA	
		Geologist: J. Noggle	

Type of Hole: Soil Boring	Depth to Groundwater: not encountered
Drill Rig: Geoprobe 540MT	Tooling: Macrocore (2.25" single tube)
Total Depth: 12.0 ft	

Depth (ft)	USCS Symbol	Lithology	VOCs (ppm)	Soil Description
0	SM			SILTY SAND w/ gravel: Dense, medium brown, moist, trace organics (roots). Sample collected from 0'-2' BGS for laboratory analysis per EPA Method SW8082.
2	SM			SILTY SAND w/ gravel: Medium dense, brown to light brown, moist. Sample collected from 2'-4' BGS for laboratory analysis per EPA Method SW8082.
4	SP			POORLY GRADED SAND w/ silt and gravel: Medium dense, light to dark brown, moist. Sample collected from 4'-6' BGS for laboratory analysis per EPA Method SW8082.
6	SM			SILTY SAND w/ gravel: Dense, dark brown, moist. Sample collected from 6'-8' BGS for laboratory analysis per EPA Method SW8082.
	SM			SILTY SAND w/ gravel: Hard, light brown w/ mottles, moist.
8	SM			SILTY SAND w/ gravel: Medium to hard, medium to dark brown with mottles, moist to wet. Sample collected from 8'-10' BGS for laboratory analysis per EPA Method SW8082.
10	ML			SILT: Hard, light brown, wet. Probable relic ground surface at 10' BGS.
12				Sample collected from 10'-12' BGS for laboratory analysis per EPA Method SW8082.
14				<u>Note</u> Soils classified by ASTM 2488 Visual-Manual Method
16				
18				
20				
22				
24				
26				
28				



BORING LOG

Project:
Site Road Subsurface Investigation - Geoprobe

ID:
11PH-GP089-C

Client:
US Air Force 611 CES

Surface Elev. (m) Elev. Datum
30.51 m NAVD88

Easting (m) Northing (m)
521,100.8 6,314,797.0

Coordinate and Projection System
WGS1984, UTM Zone 4N

Date Drilled: **13 Sep 2011**

Driller: **Jacobs Field Services NA**

Geologist: **J. Noggle**

Type of Hole: **Soil Boring**

Depth to Groundwater: **not encountered**

Drill Rig: **Geoprobe 540MT**

Tooling: **Macrocore (2.25" single tube)**

Total Depth: **16.0 ft**

Depth (ft)	USCS Symbol	Lithology	VOCs (ppm)	Soil Description
0	GP-GM			POORLY GRADED GRAVEL w/ silt and sand: Dark brownish black. Sample collected from 0'-2' BGS for laboratory analysis per EPA Method SW8082.
2				Sample collected from 2'-4' BGS for laboratory analysis per EPA Method SW8082.
	SM			SILTY SAND w/ gravel: Blackish dark brown.
4	SM			SILTY SAND w/ gravel: Dark brown. Sample collected from 4'-6' BGS for laboratory analysis per EPA Method SW8082.
6				Sample collected from 6'-8' BGS for laboratory analysis per EPA Method SW8082.
8	GP-GM			POORLY GRADED GRAVEL w/ silt and sand: Dark brownish black.
	GP-GM			Probable relic ground surface at 7.5' BGS. Sample collected from 8'-10' BGS for laboratory analysis per EPA Method SW8082.
10				POORLY GRADED GRAVEL w/ silt and sand: Blackish brown. Sample collected from 10'-12' BGS for laboratory analysis per EPA Method SW8082.
12				Sample collected from 12'-14' BGS for laboratory analysis per EPA Method SW8082.
	GP-GM			POORLY GRADED GRAVEL w/ silt and sand: Black.
14	SM			SILTY SAND w/ gravel: Blackish dark brown. Sample collected from 14'-16' BGS for laboratory analysis per EPA Method SW8082.
	GP-GM			POORLY GRADED GRAVEL w/ silt and sand: Black.
16				
18				<u>Note</u> Soils classified by ASTM 2488 Visual-Manual Method
20				
22				
24				
26				
28				

JACOBS™

BORING LOG

Project: Site Road Subsurface Investigation - Geoprobe		ID: 11PH-GP092-C	
Client: US Air Force 611 CES		Surface Elev. (m) 31.67 m	Elev. Datum NAVD88
Easting (m) 521,026.2	Northing (m) 6,314,854.9	Coordinate and Projection System WGS1984, UTM Zone 4N	

Date Drilled: **13 Sep 2011**

Driller: **Jacobs Field Services NA**

Geologist: **J. Noggle**

Type of Hole: **Soil Boring**

Depth to Groundwater: **not encountered**

Drill Rig: **Geoprobe 540MT**

Tooling: **Macrocore (2.25" single tube)**

Total Depth: **8.0 ft**

Depth (ft)	USCS Symbol	Lithology	VOCs (ppm)	Soil Description
0	GP-GM			POORLY GRADED GRAVEL w/ silt and sand: Dark brownish black. Sample collected from 0'-2' BGS for laboratory analysis per EPA Method SW8082.
2				Sample collected from 2'-4' BGS for laboratory analysis per EPA Method SW8082.
	SM			SILTY SAND: Dark orangish brown.
4				Sample collected from 4'-6' BGS for laboratory analysis per EPA Method SW8082.
	SM			SILTY SAND w/ gravel: Dark orangish brown.
6				Sample collected from 6'-8' BGS for laboratory analysis per EPA Method SW8082.
	GP-GM			POORLY GRADED GRAVEL w/ silt and sand: Black.
8				Probable relic ground surface at 8' BGS.
10				<u>Note</u> Soils classified by ASTM 2488 Visual-Manual Method
12				
14				
16				
18				
20				
22				
24				
26				
28				

APPENDIX I
Geophysical Report

**UNITED STATES AIR FORCE
611TH AIR SUPPORT GROUP
611TH CIVIL ENGINEER SQUADRON**

JOINT BASE ELMENDORF-RICHARDSON, ALASKA

**SITE ROAD PCB-CONTAMINATED SOIL
REMOVAL**

**ENGINEERING EVALUATION / COST
ANALYSIS**

**APPENDIX I – GEOPHYSICAL UTILITY
MAPPING INVESTIGATION**

PORT HEIDEN, ALASKA

**FINAL
MAY 2012**

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
ACRONYMS AND ABBREVIATIONS	I-iii
1.0 INTRODUCTION	I-1-1
2.0 INVESTIGATION AND BACKGROUND INFORMATION	I-2-1
2.1 INVESTIGATION OBJECTIVES	I-2-1
2.2 INVESTIGATION BACKGROUND.....	I-2-1
2.3 INVESTIGATION SITES	I-2-1
2.3.1 Port Heiden	I-2-1
2.3.2 Lower Zone and Airport Area.....	I-2-2
2.3.3 Site Road	I-2-2
2.3.4 Airport Road	I-2-2
2.4 UTILITY AND INFRASTRUCTURE BACKGROUND.....	I-2-2
3.0 UTILITY INVESTIGATION QUALITY	I-3-1
4.0 UTILITY INVESTIGATION LIMITATIONS	I-4-1
5.0 FIELD SURVEY	I-5-1
5.1 MAPPING, POSITIONING, AND SURVEY CONTROL.....	I-5-1
5.2 DATA ACQUISITION.....	I-5-1
5.2.1 Frequency Domain Electromagnetic Data Acquisition.....	I-5-2
5.2.2 Ground Penetrating Radar Data Acquisition.....	I-5-3
5.2.3 Utility Mapping Data Acquisition.....	I-5-4
6.0 DATA PROCESSING	I-6-1
6.1 FREQUENCY DOMAIN ELECTROMAGNETIC DATA PROCESSING.....	I-6-1
6.2 GROUND-PENETRATING RADAR DATA PROCESSING	I-6-1
6.2.1 Data Processing Procedures	I-6-1
6.2.2 Ground-Penetrating Radar Depth and Resolution	I-6-2
6.2.3 GPR Depth	I-6-2
6.2.4 GPR Resolution.....	I-6-3
6.3 UTILITY MAPPING DATA PROCESSING	I-6-3
7.0 RESULTS AND INTERPRETATION.....	I-7-1
7.1 CULTURAL ANOMALIES.....	I-7-1
7.2 ENGINEERED FILL AND NATIVE SOIL	I-7-1
7.3 LINEAR ANOMALIES	I-7-2

TABLE OF CONTENTS (Continued)

<u>SECTION</u>	<u>PAGE</u>
7.3.1 Storm Drain Conduits	I-7-2
7.3.2 Electric and Communication Utilities.....	I-7-2
7.3.3 Airport-Related Utilities	I-7-3
7.3.4 Unknown Utilities	I-7-3
7.3.5 Abandoned and Low Volt Utilities	I-7-4
7.4 INTERPRETED UTILITY DEPTH	I-7-4
8.0 RECOMMENDATIONS	I-8-1
8.1 ADDITIONAL INVESTIGATION	I-8-1
9.0 CLOSURE	I-9-1
10.0 REFERENCES	I-10-1

ATTACHMENTS

Attachment I-1	Figures
Attachment I-2	Site Road Borehole Hazard Clearance Survey Maps
Attachment I-3	Airport Road Borehole Hazard Clearance Survey Maps

ACRONYMS AND ABBREVIATIONS

611 ASG	611 th Air Support Group
bgs	below ground surface
EM	electromagnetic
ERS	Environmental Remediation Services
FDEM	Frequency domain electromagnetic
FHA	Federal Highway Administration
GLONASS	global navigation satellite system
GPR	ground penetrating radar
GPS	global positioning system
GSSI	Geophysical Survey Systems, Inc.
GSUEMI	Geophysical Subsurface Utility Engineering Mapping Investigation
Jacobs	Jacobs Engineering Group Inc.
mHz	megahertz
mS/m	millisiemens
nS	nanoseconds
PCB	polychlorinated biphenyls
ppt	parts per -thousand
RRS	Radio Relay Station
RTK	real time kinematic
SUE	subsurface utility engineering
USACE	U.S. Army Corps of Engineers, Alaska District
USAF	U.S. Air Force
UTM	Universal Transverse Mercator

(intentionally blank)

1.0 INTRODUCTION

This Geophysical Subsurface Utility Engineering Mapping Investigation (GSUEMI) Report has been prepared by Jacobs Engineering Group Inc. (Jacobs) for the 611th Air Support Group (611 ASG) under the U.S. Army Corps of Engineers (USACE), Alaska District Environmental Remediation Services (ERS) contract W911KB-06-D-0006, Task Order No. 46. The purpose of this GSUEMI Report is to present the methods used and findings resulting from a geophysical utility mapping investigation conducted along Site and Airport Roads and in the Port Heiden Airport area near Port Heiden, Alaska.

Geophysical investigation fieldwork was conducted by a geophysicist between 12 and 15 September 2011. Geophysical investigation fieldwork and preliminary interpretations were conducted in advance of soil boring environmental investigations conducted in September and October 2011. Section 4.0 addresses the interpretation of subsurface utility infrastructure and geophysical anomalies representing hazards to subsurface investigation and environmental remediation activities. A site interpretation map showing interpreted utilities in the Port Heiden Airport area is presented as Figure I-1-4. Geophysical data plots are presented as Figures I-1-5, I-1-6, and in and Attachments I-2 and I-3. Soil boring hazard investigation maps and geophysical data plots are presented in Attachments I-2 and I-3.

(intentionally blank)

2.0 INVESTIGATION AND BACKGROUND INFORMATION

2.1 INVESTIGATION OBJECTIVES

GSUEMI objectives were to:

- Provide soil boring locations safe from utility and infrastructure hazards for planned soil borings along Site Road and Airport Road;
- Map utilities and infrastructure within the footprint of planned subsurface intrusive investigations (e.g. soil boring, soil sampling, and soil remediation) along Airport Road, within Sections 1 through 9, around the Port Heiden Airport runway, and at adjacent buildings; and
- Provide reconnaissance geophysical investigations of the Airport and Site Road shoulders to identify utilities and infrastructure that might pose a hazard to future site work.

2.2 INVESTIGATION BACKGROUND

The GSUEMI was conducted in support of environmental and remediation investigations addressing polychlorinated biphenyl (PCB) contamination associated with the former Port Heiden Radio Relay Station (RRS). In 2011, these investigation activities included soil boring and subsurface soil sampling facilitated by direct push drilling equipment. Additional investigations planned for 2012 include subsurface intrusive investigations (e.g. soil boring, sampling, and remediation). To safely execute these investigations, a GSUEMI was conducted to map utilities and subsurface infrastructure and provide site interpretations that would identify hazards to investigation activities.

2.3 INVESTIGATION SITES

2.3.1 Port Heiden

Port Heiden, Alaska is approximately 424 air miles southwest of Anchorage, Alaska, and 140 miles southwest of King Salmon, Alaska, on the north side of the Alaska Peninsula (Figure I-1-1). The area encompasses approximately 50.7 square miles of land and 0.7 square miles of water. Approximately 90 people inhabit the Village of Port Heiden year-round. Gravel roads connect the Village of Port Heiden with the former Port Heiden RRS.

2.3.2 Lower Zone and Airport Area

The Lower Zone (Sections 1-9) and airport area begin approximately 100 linear feet southeast of the intersection of the Port Heiden Airport main runway, Site Road, and Airport Road (Figure I-1-2). The Port Heiden Airport, which services one or more commercial as well as one or more charter aircraft per day, intersects the Lower Zone of the Site Road PCB investigation area. These flights are used to transport community members to and from Port Heiden and to haul parcels including subsistence materials to the homes of community members. Aircraft and air-transported passengers and materials are potentially subject to direct exposure to PCB-contaminated soil.

2.3.3 Site Road

Site Road begins on the north side of the Port Heiden Airport and ends at the former RRS (Figure I-1-2). Site Road is frequently used to haul subsistence food to the homes of community members; food and community members are potentially subject to direct PCB-contaminated soil exposure.

2.3.4 Airport Road

Airport Road begins approximately 4.25 road miles south of the Port Heiden Airport at Bristol Bay and ends at the beginning of Site Road, near its intersection with the Port Heiden Airport (Figure I-1-2). Airport Road is frequently used to haul subsistence food to the homes of community members; food and community members are potentially subject to direct PCB-contaminated soil exposure.

2.4 UTILITY AND INFRASTRUCTURE BACKGROUND

Available as-built information for site subsurface utilities and infrastructure was insufficient to guide subsurface intrusive activities safely. Intrusive investigations conducted in 2011 identified a number of known and unknown utilities transiting the sites at variable and unconfirmed depths directly beneath and adjacent to Site and Airport Roads. These utilities were of variable type, construction, and condition, were not clearly labeled, and carried variable electrical currents (e.g. 110 volts – 7200 volts).

3.0 UTILITY INVESTIGATION QUALITY

Investigation quality associated with this GSUEMI corresponds with Quality Level B (Figure I-1-3) as defined by the United States Department of Transportation Federal Highway Administration (FHA) ([FHA](#) 2012). Quality Level B applies to information obtained through the application of appropriate surface geophysical methods to determine the existence and approximate horizontal position of subsurface utilities.

Previous to the GSUEMI described in this report, Quality Levels D (i.e. existing records) and C (i.e. visible utility mapping) information were gathered in addition to other Quality Level B investigations conducted using handheld analogue metal detectors (e.g. White's all metals detector) in limited areas.

(intentionally blank)

4.0 UTILITY INVESTIGATION LIMITATIONS

As a Quality Level B investigation wherein positions of utilities and infrastructure are interpretations and not direct measurements, the results of the GSUEMI are limited. GSUEMI results are also limited to the extents of the investigation(s) conducted. Locations, depths and scale of buried objects or subsurface features mapped as a result of this investigation are a result of geophysical interpretation only, and should be considered as confirmed, actual, or accurate only where confirmed by Quality Level A investigations (i.e. subsurface exposure, excavation, or drilling).

(intentionally blank)

5.0 FIELD SURVEY

GSUEMI fieldwork was conducted by a geophysicist and data acquisition assistant between 12 and 15 September 2011. Fieldwork and preliminary interpretations were conducted in advance of soil boring investigation activities conducted in September and October 2011. The utility investigation included a combined electromagnetic (EM), magnetic (MAG), ground penetrating radar (GPR), and utility mapping survey.

5.1 MAPPING, POSITIONING, AND SURVEY CONTROL

Frequency domain electromagnetic (FDEM) and GPR geophysical sensor readings were positioned by a Global Navigation Satellite System (GLONASS)-enabled dual-frequency Real-Time Kinematic (RTK) global positioning system (GPS). All surveyed features, utility locations interpreted from utility mapping, and positioned sensor readings were recorded in the Universal Transverse Mercator (UTM) Zone 4 North coordinate system, WGS84 horizontal datum, and the NAVD88 vertical datum. Site surface features (e.g. fence, utilities, and excavation boundaries), interpreted utility infrastructure, and geophysical anomalies were surveyed at the site using RTK GPS. General descriptions of the land survey methods, accuracy, and survey control references are presented in Section 3.7 of the 2011 *Port Heiden PCB-Contaminated Soil Removal from Site Road Time-Critical Removal Action (TCRA) Report* (USAF 2011). Detailed land survey information, including positions for survey control references, is provided in the Survey Data Table (Appendix K).

5.2 DATA ACQUISITION

FDEM and GPR geophysical data were transmitted by each respective geophysical sensor at a rate of 0.1-1.0 hertz via DB-9 serial cable to the respective data acquisition field computers. Position information was transmitted from the GPS receiver via a second DB-9 serial cable at a rate of 1 hertz. Sensor and position information were merged and stored in the native binary file formats of each sensor for post-processing and data analysis.

5.2.1 Frequency Domain Electromagnetic Data Acquisition

The FDEM survey was conducted using a Geonics EM-31 MK2 ground conductivity meter (Appendix F, Photo No. 30). FDEM data were positioned using GPS and recorded at a 0.1-second interval corresponding to a distance of approximately 0.5 feet. General line spacing for the FDEM survey was approximately 15 feet. Along data transects that included obstacles (e.g. fuel pumps, walls, etc.), line spacing was variable to enable a free walking path along the data transect, resulting in transect spacing nominally lesser/greater than 15 feet in some areas. More specifically, FDEM survey line spacing for respective investigation areas was:

- Approximately 15 feet in the Lower Zone and Airport Area (Stations 0+00' – 0+900');
- Approximately 10 feet along Airport and Site Roads; and
- Approximately 10 feet (in orthogonal directions) in the vicinity of each proposed soil boring location along the Airport and Site Road sites.

FDEM data transects are shown on Figures I-1-4 and in Attachments I-2 and I-3.

The EM-31-MK2 ground conductivity meter radiates an EM current into the subsurface from a transmitter fixed to a boom array carried by the operator. This current produces secondary magnetic and electromagnetic currents recorded by the EM-31 receiver, which is fixed to the opposite end of the boom array. Once calibrated, the instrument output provides apparent ground conductivity values as part of two secondary field components: in-phase (I) and quadrature (Q). Values for the in-phase and quadrature data are in parts per thousand (ppt) and milliSiemens per meter (mS/m), respectively. Additional information on frequency domain electromagnetic investigations and interpretation is presented in Section 4.7 of the U.S. Army Corps of Engineers (USACE) Engineering and Design Manual, *Geophysical Exploration for Engineering and Environmental Investigations* (EM 1110-1-1802), and in the Geonics Limited Technical Note TN-6, *Electromagnetic Terrain Conductivity Measurements at Low Induction Numbers* (McNeil 1980).

5.2.2 Ground Penetrating Radar Data Acquisition

GPR data were acquired using a Geophysical Survey Systems Inc. (GSSI) SIR3000 control unit and a 400-megahertz (mHz) antenna (Appendix F, Photo No. 13). GPR data were interpreted in real time using the SIR3000 data acquisition playback interface. GPR data transects were limited to areas surrounding proposed soil borings and road centerlines. GPR data were positioned using GPS and recorded at a 0.1-second interval corresponding to a distance of approximately 0.5 feet. General line spacing for the GPR survey was approximately 15 feet, though in proposed soil boring areas, data transects corresponded to resolution necessary to image and map detected linear anomalies (i.e. utilities). GPR data transects are shown on Figure I-1-4 and in Attachments I-2 and I-3, Figures I-2-1 through I-2-19 and I-3-1 through I-3-20, respectively.

The GPR data acquisition system used to record the data for interpretation of subsurface object identification and depth estimation was tuned onsite. Though laterally variable across Airport Road and Site Road, the selected recording duration was 100 nanoseconds (nS). Five signal amplification gains were applied to GPR signals in real time in order to produce high quality GPR data. In general, early returns (0-10 nS) were not amplified (i.e. 0 decibels), intermediate returns (20-60 nS) were moderately amplified (e.g. 30 decibels), and later returns (e.g. > 60 nS) were increasingly amplified (e.g. 50 decibels) with depth. The recording interval was adjusted to capture all interpretable signal returns plus an additional 15-20 percent.

When a GPR signal transmitted into the subsurface using a 400-mHz transducing antenna crosses from one medium to another, a portion of the signal is reflected back to the antenna. The reflected signal is recorded and typically viewed as a colorized 2D cross-section from which reflection patterns can be interpreted for identification of subsurface features. Additional information on GPR investigations and interpretation is presented in Section 4.10 of the USACE Engineering and Design Manual, *Geophysical Exploration for Engineering and Environmental Investigations* (EM 1110-1-1802). A sample GPR profile is presented in Attachment I-1 as Figure I-1-7.

5.2.3 Utility Mapping Data Acquisition

Analogue utility mapping data were collected at each investigation site by an operator utilizing a RD4000 Pipe and Cable utility mapping instrument (RD4000). RD4000-facilitated utility mapping surveys were conducted in the following locations:

- **At each proposed soil boring, placed at approximately 1,000' intervals along Site Road and 500' intervals along Airport Roads.** High resolution utility mapping surveys, facilitated by the RD4000 operated in the passive and radio search modes, were conducted at and adjacent to the location of proposed soil boring locations to provide additional high resolution utility mapping and borehole hazard clearance.
- **Along the shoulders of Site and Airport Roads.** Reconnaissance utility mapping, facilitated by the RD4000 operated in passive search mode, was conducted parallel to the shoulders of Site and Airport Roads.
- **Across the Lower Zone (Stations 0+00 through 0+900) and at selected segments of the Port Heiden Airport.** A reconnaissance utility mapping investigation, facilitated by the RD4000 operated in passive and radio search modes, was conducted in a moderate resolution transect search pattern. Higher resolution passive and radio search modes were conducted in areas interpreted as having multiple utilities in close proximity to each other.
- **Along known and interpreted power and communication utilities.** Where possible, and as time permitted, active utility mapping facilitated by the RD4000 operated in the induction (capacitive coupled) mode was used to trace utilities transiting the Lower Zone and at selected segments of the Port Heiden Airport.

These reconnaissance and borehole hazard clearance utility surveys were augmented by surface observations positions of utility connections observed at the surface using land survey (i.e. GPS) methods.

6.0 DATA PROCESSING

FDEM data were gridded and contoured using the Geosoft® Oasis Montaj data processing and analysis software system. Color contour data plots are included in Attachment I-1 as Figures I-1-5 and I-1-6. GPR data were viewed, processed, and interpreted in real time using the SIR3000 acquisition system playback option and the GSSI post-processing software, RADAN® 6.6. A sample GPR profile is shown in Attachment I-1 as Figure I-1-7.

6.1 FREQUENCY DOMAIN ELECTROMAGNETIC DATA PROCESSING

FDEM data collected at the site were gridded into color contours and analyzed for linear conductive and metallic anomalies interpreted to be subsurface utilities. Additional debris-like anomalies (e.g. drums, metallic debris) were also interpreted from the FDEM data. Apparent conductivity (quadrature) data ranged between 0.0 mS/m and 70 mS/m, with the site background estimated at 2.0 to 10.0 mS/m. In-phase data ranged between -5.0 ppt and 15.0 ppt, with the site background estimated at -1.0 to 3.0 ppt. In general terms, elevated quadrature readings can be associated with electrically conductive bodies or fluids (e.g. leachate, perched groundwater), while elevated in-phase readings can be associated with electrically conductive metallic bodies (e.g. steel drums, vehicle debris). Apparent conductivity (quadrature) and in-phase data are presented in Attachment I-1 on Figures I-1-5 and I-1-6, respectively.

6.2 GROUND-PENETRATING RADAR DATA PROCESSING

GPR data were interpreted in real time and at the end of each survey day for the presence of reflective GPR horizons that reveal the:

- Presence of subsurface utilities at the site;
- Estimated depth to crown of selected interpreted utilities; and
- Estimated depth to road surfaces and interfaces between fill and native material(s).

6.2.1 Data Processing Procedures

The following GPR data processing procedures were included:

- 2D cross-section digitization of GPR data
- Color contouring the GPR sections
- Time-depth calibration (7-10 feet/nS)
- Data migration as needed
- Low pass, high pass, horizontal background removal, and band pass filtering as needed
- Subsurface feature identification and interpretation
- Digitization of selected anomalies and/or onsite conveyance (i.e. paint, survey markers) of interpreted subsurface features (i.e. utilities and fill horizons)

6.2.2 Ground-Penetrating Radar Depth and Resolution

GPR data were interpretable for the following features at their corresponding effective depths:

- Subsurface utilities – between 0 and 6 feet below ground surface (bgs)
- Estimated depth to road surfaces and interfaces between fill and native material(s) between 10 and 15 feet bgs

Effective GPR depths are estimates based on subsurface conditions, GPR method resolution capabilities, and interpreted feature dimensions. Actual feature depths can only be determined by Quality Level A (i.e. physical verification) investigations.

6.2.3 GPR Depth

GPR signal attenuates increasingly with depth; at these sites, the signal penetrated to depths between 8 and 15 feet. Signal penetration and overall depth of investigation is limited by a number of factors, but chiefly moisture and clay/silt content in the soils. The subsurface material surveyed by GPR was predominantly saturated black volcanic pumice sand that had been compacted and/or graded (i.e. road fill). Beneath this material was native saturated black volcanic pumice sand. Though these materials exhibited a wide range, average values for dielectric permittivity were approximately 10, GPR signal velocities were approximately 0.12 meters/nanosecond (ns), and GPR signal attenuation was approximately 0.03-.3 decibels/meter. Effectively, this translated to a GPR two-way signal slowness of approximately 23-32 ns/meter. Signal penetration and interpreted feature depths were estimated using this slowness value.

6.2.4 GPR Resolution

The 400-mHz GPR antenna used for these surveys was capable of moderate resolution throughout the recorded time intervals, which provided the best overall examination of the near, intermediate, and deep subsurface. GPR resolution is a function of the center frequency of the transducing antenna and subsurface interface dimension(s). GPR antennas broadcasting a higher frequency (e.g. < 900 mHz) signal are capable of higher resolution imaging of the shallow subsurface (i.e. 0-4 feet bgs). GPR antennas broadcasting a lower frequency (e.g. > 900 mHz) signal are capable of lower resolution imaging of the intermediate subsurface (i.e. 3-15 feet bgs). In general, GPR antennas are capable of imaging objects at approximately 1-inch object diameter per foot bgs. As a result, small-diameter utilities cannot be detected by GPR at intermediate (or greater) depths.

6.3 UTILITY MAPPING DATA PROCESSING

Utility mapping data were interpreted in real time at the site by the instrument operator. Signals detected by the RD4000 were interpreted for utility presence, location, and, where possible, estimated depth. The resulting utility interpretations were conveyed at the site with paint, pin flags, or other temporary survey markings (e.g. plastic survey whiskers). The interpreted positions were recorded with land survey positioning equipment, plotted on existing site drawings, and checked for coherence with other geophysical data and interpretations.

(intentionally blank)

7.0 RESULTS AND INTERPRETATION

The interpretation of FDEM data plots, included in Attachment I-1 as Figures I-1-5 and I-1-6, in terms of possible locations of utilities, piping, and buried objects, is summarized on Figure I-1-4 and discussed below.

7.1 CULTURAL ANOMALIES

In addition to outlining subsurface geophysical anomalies and interpreted utilities, Figures I-1-4, I-1-5, and I-1-6 detail a number of sources of cultural interference at the sites including buildings, fences, surface debris, existing utility access points, linear metallic storm drains, vegetation, and areas inaccessible for data collection (e.g. vehicle parking areas, dense vegetation, debris piles). In these areas, the geophysical response from a utility or subsurface object posing a hazard to subsurface intrusive investigations would likely be masked by the geophysical readings from those items. In these areas subsurface interpretation for utilities and/or subsurface intrusive investigations hazard was not possible.

7.2 ENGINEERED FILL AND NATIVE SOIL

As the geophysical investigations were conducted primarily along roadways, road shoulders, and portions of the airport runway, geophysical readings not caused by utilities and cultural anomalies primarily responded to engineered fill, but also responded to transitions between fill materials and/or fill and native materials. These responses are apparent in both FDEM and GPR data, both laterally and vertically, and best observed in the GPR data as reflective GPR horizons representing subsurface interfaces between different types of fill. Examples include:

- Horizontal interface between graded and/or compacted road surfaces observed in GPR data (Figure I-1-7);
- Horizontal interface between road fill and native (e.g. tundra) soils observed in GPR data (Figure I-1-7); and
- Lateral transition between road material and native soils observed in FDEM data (Figures I-1-5 and I-1-6).

An example of the interpreted subsurface road horizons and the interpreted interface between road material and native soils is displayed on Figure I-1-7.

7.3 LINEAR ANOMALIES

A number of linear anomalies were observed in the FDEM, GPR, and utility mapping data. These are shown as red dashed lines in Attachment I-1 on Figures I-1-5 and I-1-6. Linear anomalies were interpreted as utilities based on:

- Visual confirmation (i.e. observing utility access points);
- RD4000 induced signal mapping (i.e. transmitting signal through a utility access point and tracing and marking the received signal response);
- RD4000 passive signal mapping (i.e. tracing and marking received passive signal response);
- GPR linear anomaly mapping (i.e. mapping linear reflective GPR anomalies exhibiting utility-like response); and
- FDEM anomaly interpretation (i.e. selecting linear anomalies in FDEM data exhibiting utility-like response).

Linear anomalies were interpreted for identification as subsurface utility infrastructure according to the utility designations described below.

7.3.1 Storm Drain Conduits

Four storm drain conduits (i.e. metal culverts) were observed, both visually and in geophysical data, in the Lower Zone (Stations 0+00 through 0+900) and at the Port Heiden Airport. Additional storm drain conduits were observed along the Site and Airport Roads while transiting between proposed soil boring locations. Storm drain conduit locations were land-surveyed using RTK GPS and are shown as dashed yellow lines on Figures I-1-5 and I-1-6.

7.3.2 Electric and Communication Utilities

Multiple power and communications utilities were observed at the sites and interpreted from geophysical data. Individual and collections of singular and multiple electric and communication utilities are indicated as dashed red lines on Figures I-1-5 and I-1-6 and as elevated quadrature response on the figures in Attachments I-2 and I-3. In the Lower Zone (Stations 0+00 through 0+900) and Port Heiden Airport, the number of electric and

communication utilities is still unknown. Several instances where multiple electric and/or communication utilities intersect and/or run parallel or sub-parallel with other such utilities made complete interpretation of individual utilities from geophysical readings impossible. The majority of the utilities interpreted to be electric and/or communication utilities were identified based on their utility access points, transit to or between utility junctions, strong FDEM response, and/or strong response observed in the RD4000 passive power mode.

7.3.3 Airport-Related Utilities

A pair of airport runway lighting utilities were detected by FDEM and utility mapping methods. These are shown as dashed blue lines on Figures I-1-4, I-1-5, and I-1-6. The utilities were surveyed using RTK GPS, and shown to run directly between blue runway lights. These aircraft guidance lights run parallel to the main (East-West) runway and can be observed at the runway surface.

7.3.4 Unknown Utilities

Several linear anomalies of unknown origin and type transit the sites. Multiple linear conductive anomalies interpreted to be near-surface (0-4 feet bgs) small-diameter (1-3 inches) utility infrastructure were observed in the FDEM and utility mapping data throughout the Lower Zone and Port Heiden Airport investigation areas. Though exhibiting variable responses, these linear anomalies generally exhibited FDEM, GPR, and utility mapping responses that indicated their likely classification as near-surface utility infrastructure (e.g. electric and/or communication utilities). Additional linear anomalies of unknown origin and type interpreted to be either deeper (4-12 feet bgs) and/or larger diameter (6-48 inches) utility infrastructure were also observed in areas surrounding existing and removed structures and transiting parallel to gravel roads and paths. Primarily identified in the FDEM data, these linear anomalies were interpreted as utility infrastructure, but may also represent different engineering fill types or backfilled trenches. An example of this type of linear anomaly can be observed on Figures 2-7 and 2-8 of the EE/CA as elevated apparent conductivity readings ($< 75 \text{ mS/m}$) and reduced in-phase response ($> 2 \text{ ppt}$) trending from west to east at the eastern boundary of the Port Heiden Airport investigation area.

7.3.5 Abandoned and Low Volt Utilities

A number of linear anomalies detected by a combination of FDEM, GPR, and utility mapping methods were identified at the different sites. These anomalies exhibited similar responses and characteristics as the electric and communication utilities described above, but often were not detectable in the RD4000 passive power detection mode. The most likely interpretation for anomalies with these characteristics is classification as non-energized abandoned utilities. An alternate interpretation is that they are low volt electric and/or communication utilities (e.g. telephone). Examples of this type of linear anomaly were observed in the following locations:

- Near the southern road shoulder adjacent to boring GPO89-C (Attachment I-2, Figure I-2-18)
- Throughout the Airport Road site, parallel and sub-parallel to the road centerline (Attachment I-2, Figures I-2-1 through I-2-19, and Attachment I-3, Figures I-3-1 through I-3-20)
- As a linear anomaly trending north-south adjacent to station 0+00 of the Lower Zone and Airport area investigation (Attachment I-1, Figure I-1-4).
- As a linear anomaly trending from the Port Heiden weather station southwest through the Lower Zone and Port Heiden Airport area investigation (Attachment I-1, Figure I-1-4).

7.4 INTERPRETED UTILITY DEPTH

Where depth interpretations were possible, interpreted utility depth was conveyed to the soil boring investigation team as feet and/or inches to the crown of the interpreted utility. Depths were estimated based on the RD4000 interactive depth estimate feature or from GPR records calibrated for two-way GPR signal slowness.

8.0 RECOMMENDATIONS

8.1 ADDITIONAL INVESTIGATION

The scope and purpose of this GSUEMI was to provide a reconnaissance level subsurface investigation of the Lower Zone and Port Heiden Airport investigation areas, and to provide geophysical hazard surveys at and adjacent to planned 2011 soil boring investigation locations. Results and interpretation for the Lower Zone and Port Heiden Airport investigation areas revealed a number of linear geophysical anomalies interpreted to be utilities of varied type and condition. In order to measure their locations, depths, types, and conditions precisely and with sufficient resolution to plan and execute future intrusive activities (e.g. excavations, soil borings), additional Quality Level B and Quality Level A subsurface utility investigations are recommended, and should include the following activities:

- Quality Level B:
 - Additional utility mapping surveys utilizing RD4000 or similar radiodetection utility mapping equipment capable of direct and capacitive signal induction operated by experienced operators
 - Additional EM, magnetic, GPR, or other geophysical surveys, as appropriate
- Quality Level A:
 - According to the Federal Highway Administration, ‘intrusive verification surveys are directed at achieving the “precise horizontal and vertical location of utilities obtained by the actual exposure (or verification of previously exposed and surveyed utilities) and subsequent measurement of subsurface utilities (FHA 2012).” This applies to the locations of future intrusive investigations in the Lower Zone and Port Heiden Airport investigation areas.

These recommended investigations should be executed to achieve the following objectives:

- Intrusive investigation safety
- Identification of utility origin and termination
- Verification of utility position, depth, type, and condition

(intentionally blank)

9.0 CLOSURE

Geophysical surveys performed as part of this investigation may or may not successfully detect or delineate any or all subsurface objects or features present. Geophysical investigation methods were selected and applied in accordance with those practiced by other practitioners operating under similar conditions and in accordance with the United States Department of Transportation Federal Highway Administration guides and standards (reference : <http://www.fhwa.dot.gov/programadmin/htmldoc4.cfm>) . Locations, depths and scale of buried objects or subsurface features mapped as a result of this investigation are a result of geophysical interpretation only, and should be considered as confirmed, actual, or accurate only where confirmed by subsurface exposure, excavation, or drilling.

(intentionally blank)

10.0 REFERENCES

- FHA (U.S. Department of Transportation, Federal Highway Administration). 2012. *Sample SUE & Utility Coordination Scope of Work for Consultant Services; General, Definitions and Terms*. <http://www.fhwa.dot.gov/programadmin/html/doc4.cfm>. Accessed 13 January 2012.
- McNeil, JD. 1980. *Electromagnetic Terrain Conductivity Measurements at Low Induction Numbers*. Technical Note TN-6. Geonics[®], Limited. Mississauga, Ontario, Canada.
- USACE (U.S. Army Corps of Engineers). *Geophysical Exploration for Engineering and Environmental Investigations*. Engineering and Design Manual (EM 1110-1-1802).
- USAF (U.S. Air Force). 2011 (December). *PCB-Contaminated Soil Removal from Site Road Time-Critical Removal Action Report*. Port Heiden, Alaska. Draft. Prepared by Jacobs Engineering Group Inc.

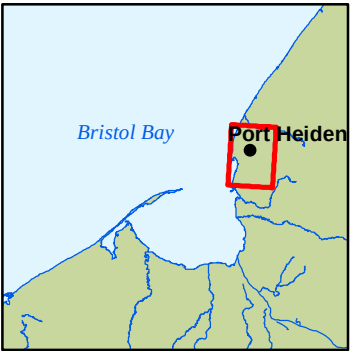
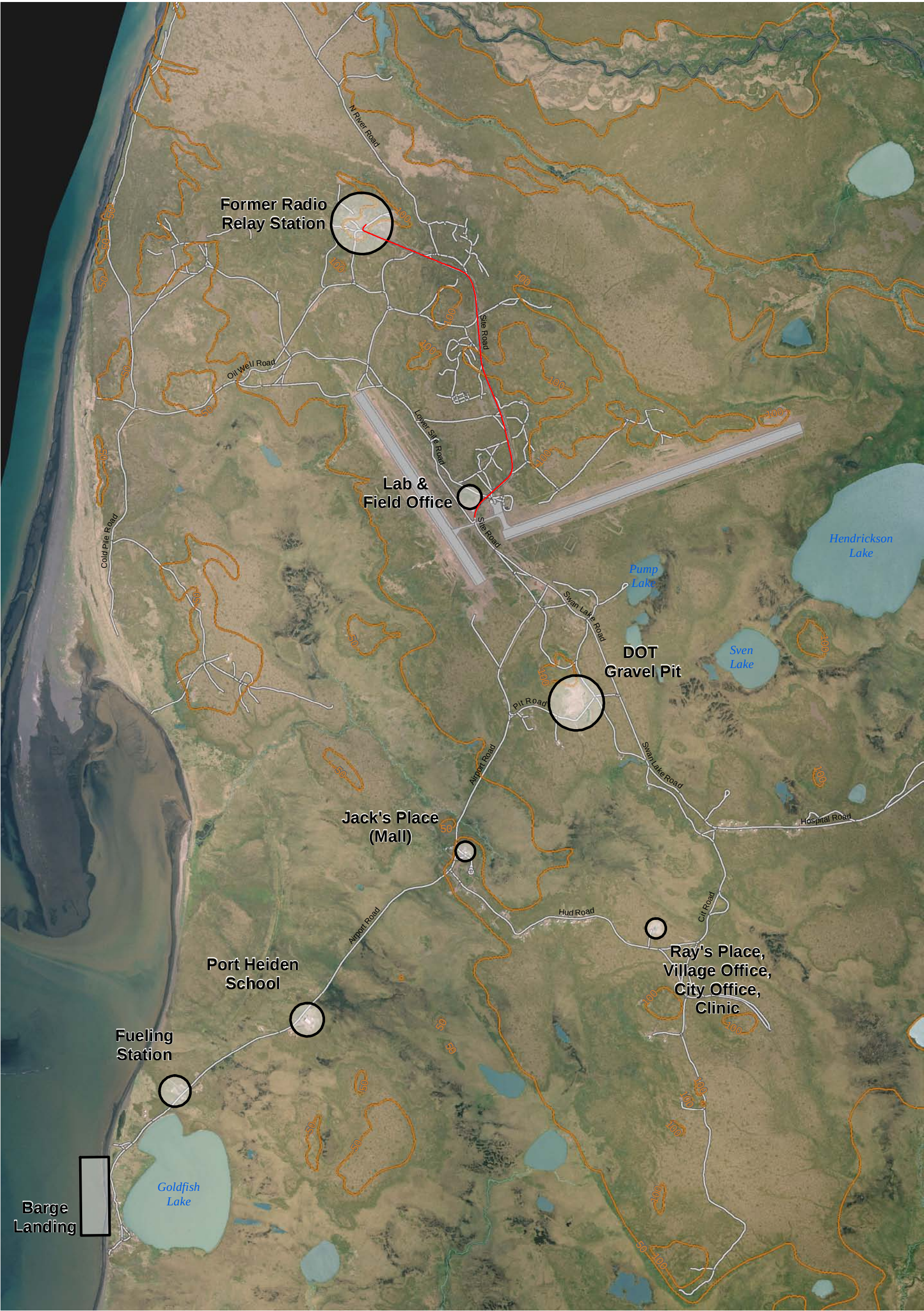
(intentionally blank)

ATTACHMENT I-1

Figures

Figure I-1-1	Site Location and Vicinity
Figure I-1-2	Geophysical Investigation Index Map
Figure I-1-3	Subsurface Utility Engineering, Quality Levels, Process, and Precision
Figure I-1-4	Lower Zone Interpreted Underground Utilities
Figure I-1-5	Lower Zone Apparent Conductivity
Figure I-1-6	Lower Zone EM31 In-Phase Response
Figure I-1-7	Sample GPR Profile 44 Geophysical Utility Mapping Investigation

P:\PortHeiden\MXDIECAAp1_Geophysics\Fig I-1-1_SitelocationAndVicinity.mxd mckaynt



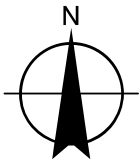
- Site Road Centerline
- Other Road
- Contour Lines
- Airfield

All Locations Are Approximate

0 1,250 2,500 3,750 5,000

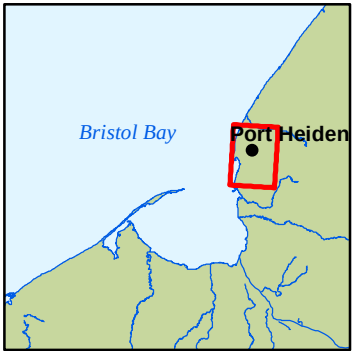
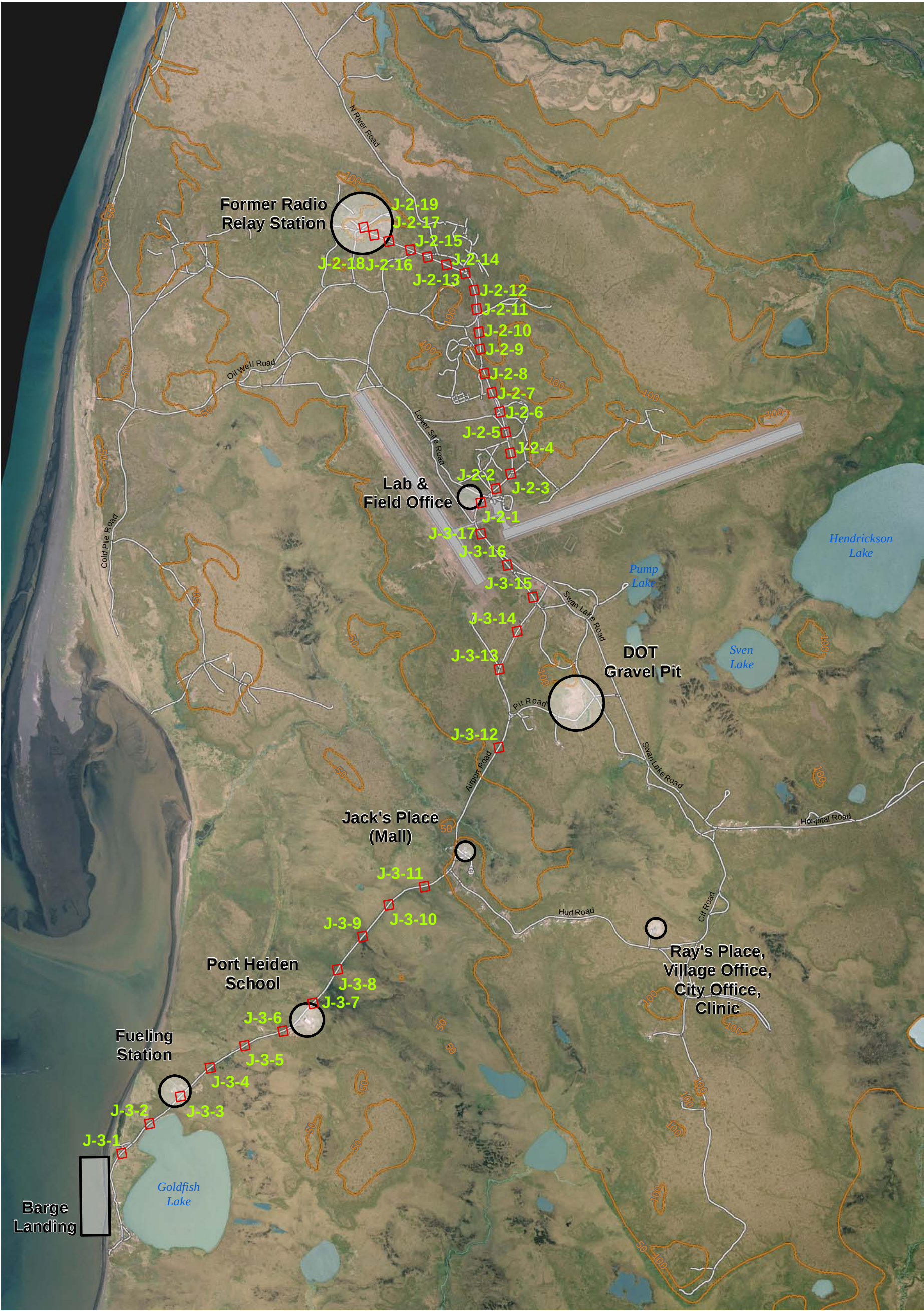
Feet

WGS 1984 UTM Zone 4N Imagery: Aerometric 2002



SITE LOCATION AND VICINITY PORT HEIDEN SITE ROAD			
ALASKA PENINSULA			
JACOBS	DATE: 24 Jan 2012	PROJECT MANAGER: KELLY MCGOVERN	FIGURE NO.: I-1-1

P:\PortHeiden\MXD\IECA\Ap1\Geophysics\Fig I-1-2 GeophInvIndexMap.mxd mckaynt



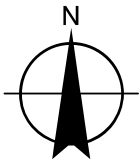
-  Figure Index
-  Other Road
-  Contour Lines
-  Airfield

All Locations Are Approximate

0 1,250 2,500 3,750 5,000

Feet

WGS 1984 UTM Zone 4N Imagery: Aerometric 2002



GEOPHYSICAL INVESTIGATION INDEX MAP
PORT HEIDEN AIRPORT AND SITE ROADS

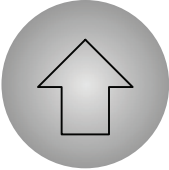
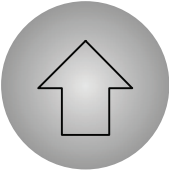
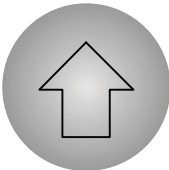
ALASKA PENINSULA

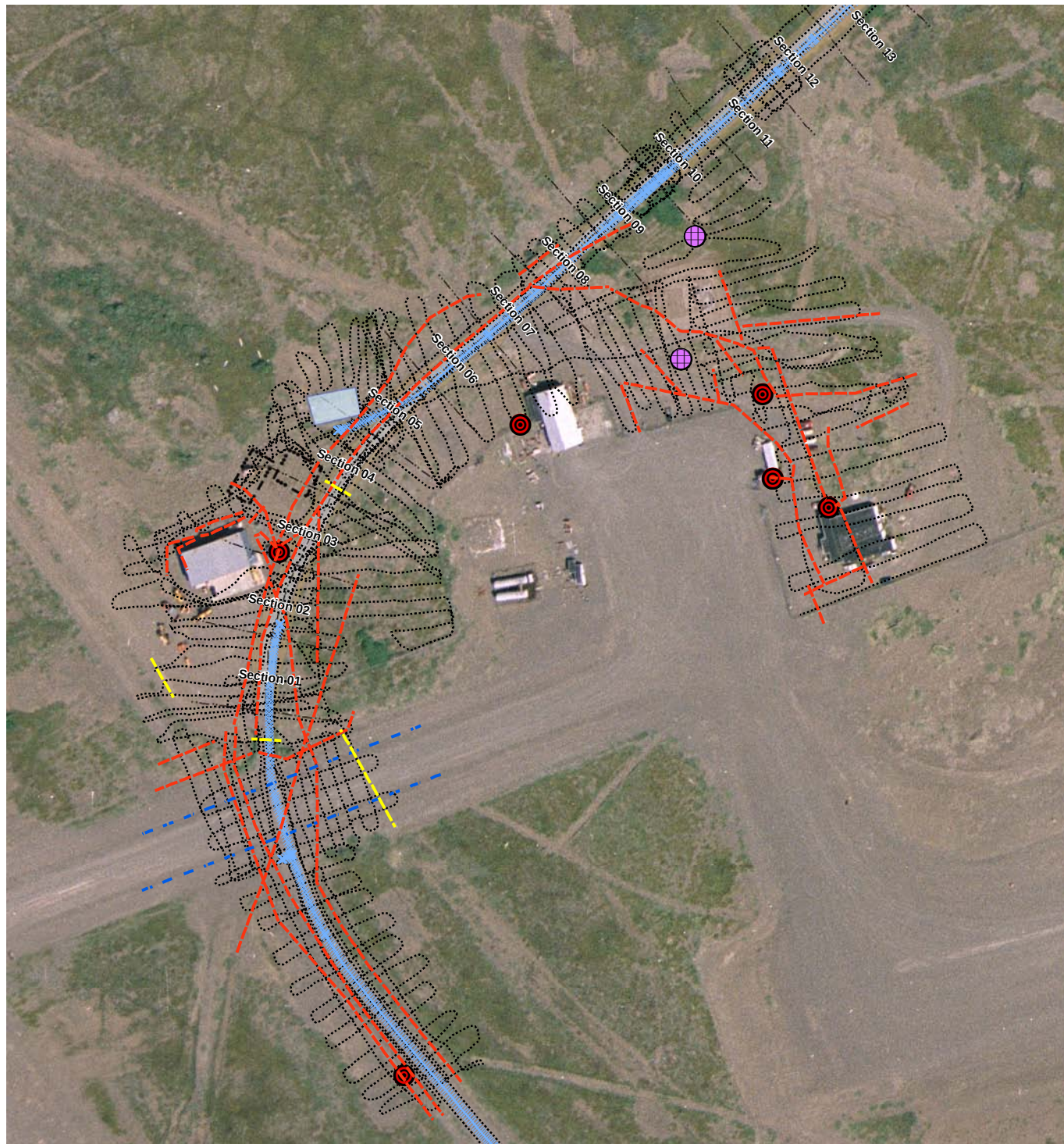
JACOBS

DATE:
24 Jan 2012

PROJECT MANAGER:
KELLY MCGOVERN

FIGURE NO:
I-1-2

QUALITY LEVEL	DESCRIPTION	PRECISION	ACTIVITIES
	 Exposure and Verification		• Vacuum Excavation • Trenching • Air Knife • Water Knife
	 Geophysical Utility Mapping		• Pipe & Cable Locator • Electromagnetics • Magnetics • Ground Penetrating Radar • Metal detector
	 Visual Surveying & Correlating Records		• Visual Utility Mapping • Site Land Survey
	Existing Records & Oral Recollections		• As-builts (CAD) • Geobase (GIS) • Interviews • Dig Permit Parties • One Call tickets
*Federal Highways Administration (http://www.fhwa.dot.gov/programadmin/html/doc4.cfm)			
SUBSURFACE UTILITY ENGINEERING QUALITY LEVELS, PROCESS, AND PRECISION ALASKA PENINSULA JACOBS DATE: 24 January 2012 PROJECT MANAGER: KELLY MCGOVERN FIGURE NO: Figure I-1-3			



LOWER ZONE INTERPRETED UNDERGROUND UTILITIES PORT HEIDEN SITE ROAD

ALASKA PENINSULA

JACOBS

DATE:

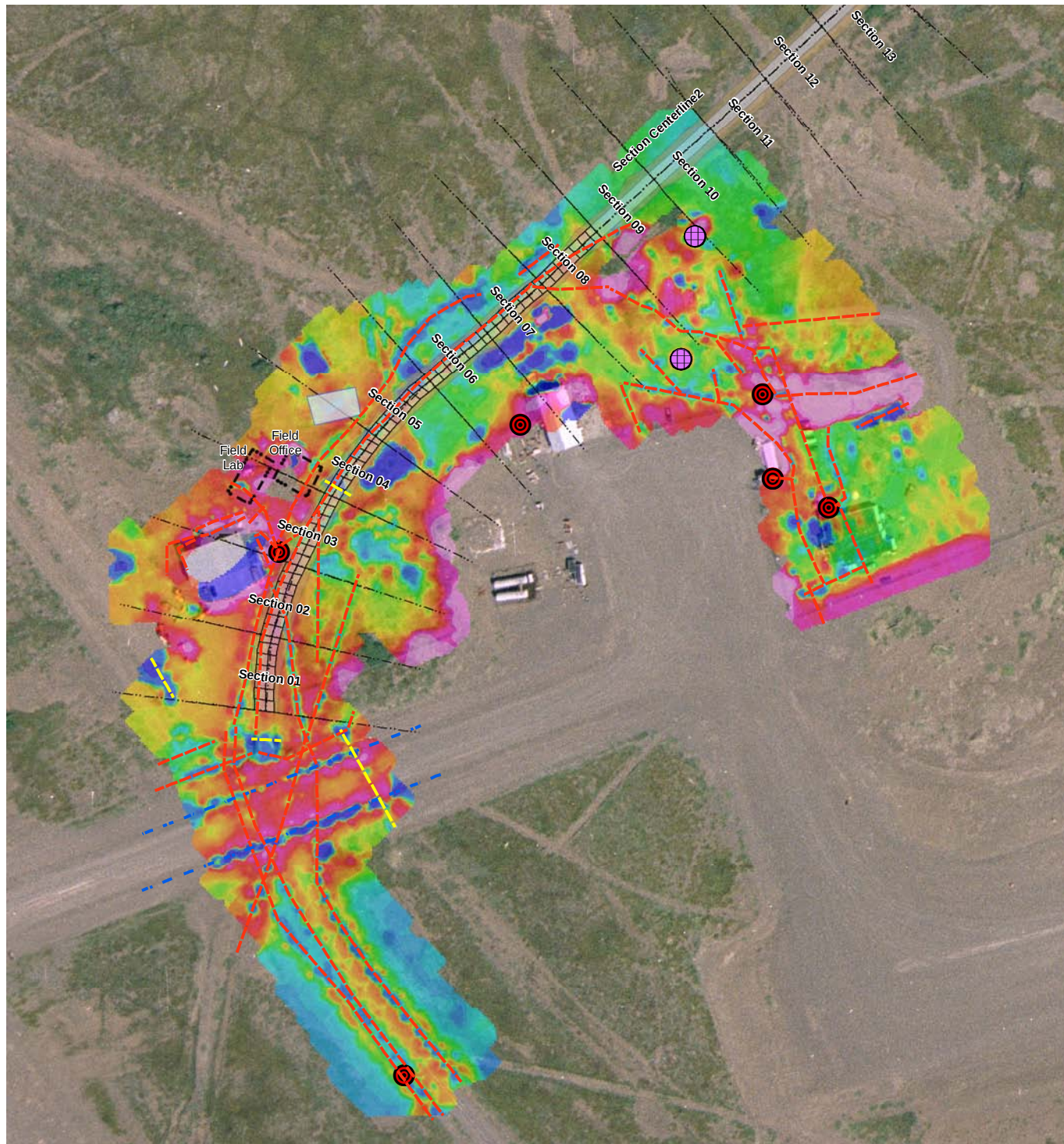
07 Feb 2012

PROJECT MANAGER:

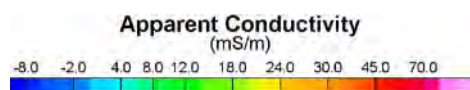
KELLY MCGOVERN

FIGURE NO.:

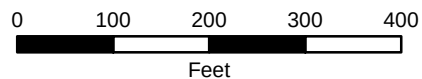
I-1-4



- Culvert
- Detected Utility
- Runway Lights
- ⊙ Electric Junction
- ⊗ Transformer
- 100 Foot Sections
- Wet Decon Area
- 15' X15' Road Sampling Grid
- Field Buildings
- Road Shoulders
- Road

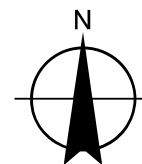


All Locations Are Approximate



WGS 1984 UTM Zone 4N

Imagery: AeroMetric 2002



LOWER ZONE APPARENT CONDUCTIVITY PORT HEIDEN SITE ROAD

ALASKA PENINSULA

JACOBS

DATE:

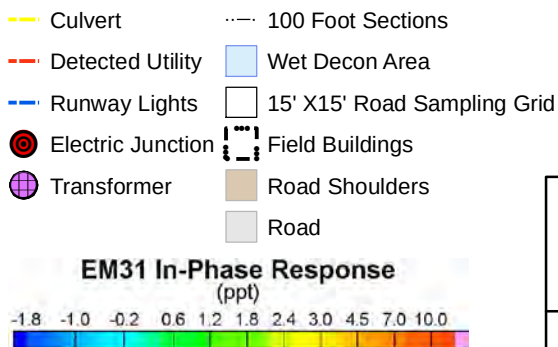
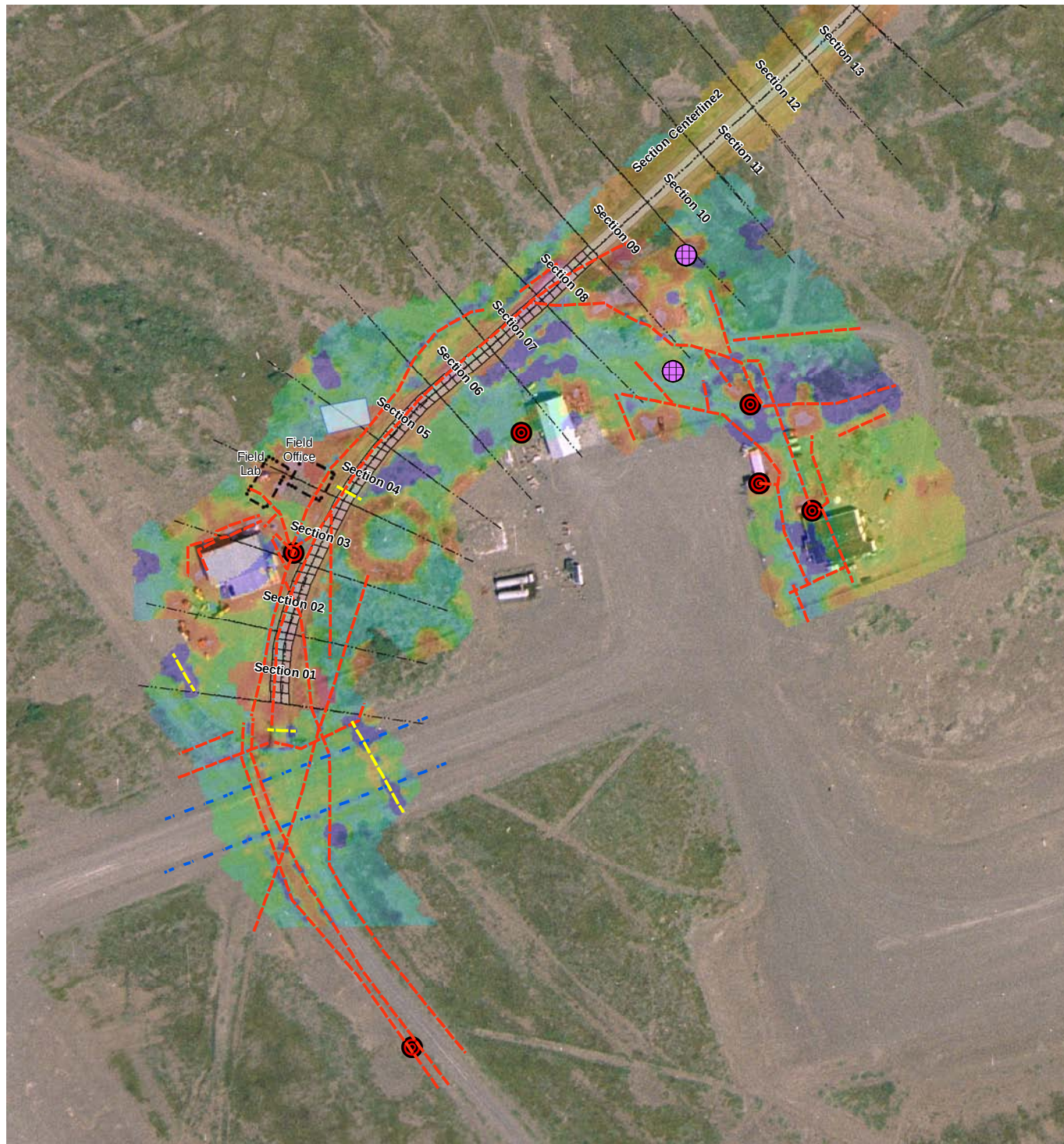
24 Jan 2012

PROJECT MANAGER:

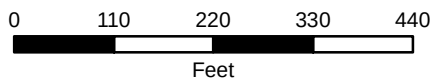
KELLY MCGOVERN

FIGURE NO.:

I-1-5

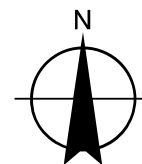


All Locations Are Approximate



WGS 1984 UTM Zone 4N

Imagery: AeroMetric 2002



**LOWER ZONE EM 31 IN-PHASE RESPONSE
PORT HEIDEN SITE ROAD
ALASKA PENINSULA**

JACOBS

DATE:

24 Jan 2012

PROJECT MANAGER:

KELLY MCGOVERN

FIGURE NO.:

I-1-6

GPR Profile 44 - Site Road

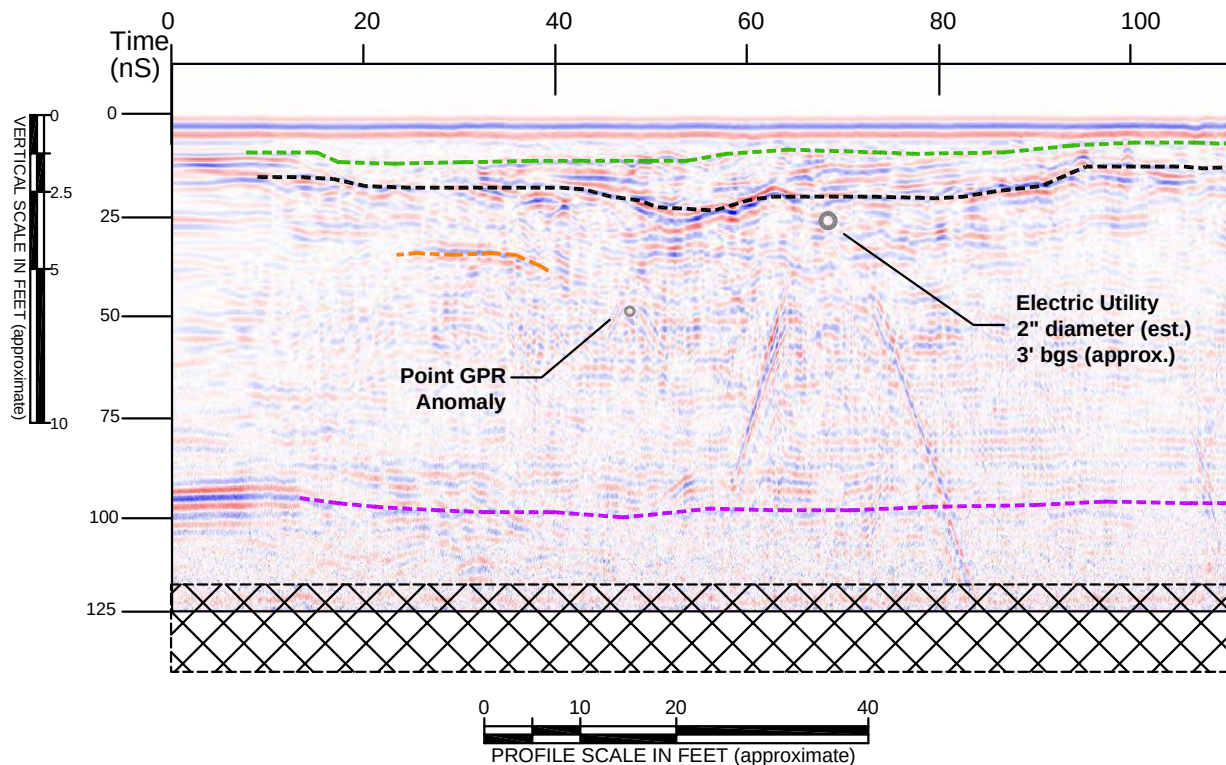
South
West

Approximate Profile
Distance (feet)

North
East

STA 4+80
50 o/s west

STA 5+60



JACOBS

DATE:
24 January 2012

PROJECT MANAGER:
K. McGovern

FIGURE NO.:
1-1-7

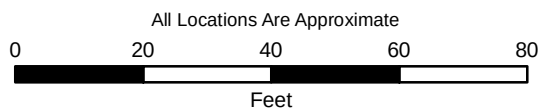
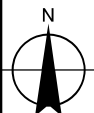
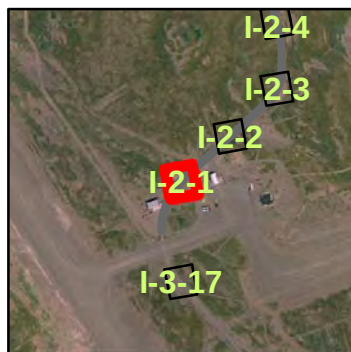
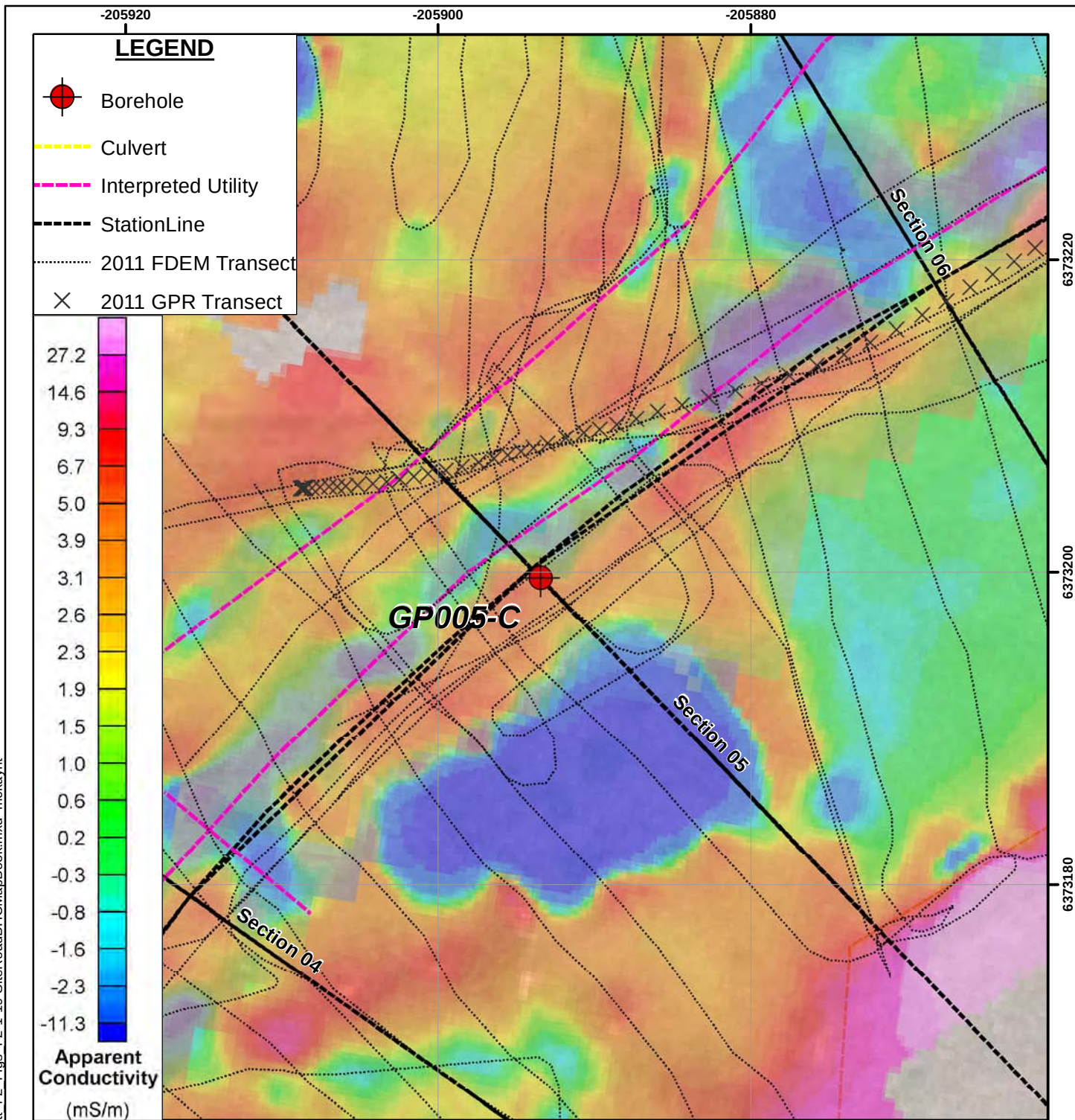
Alaska Peninsula, ALASKA

Sample GPR Profile 44
Geophysical Utility Mapping Investigation
Site Road

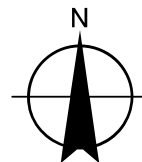
ATTACHMENT I-2
Site Road Borehole Hazard Clearance Survey Maps

Figure I-2-1	GP005-C
Figure I-2-2	GP010-C
Figure I-2-3	GP015-C
Figure I-2-4	GP020-C
Figure I-2-5	GP025-C
Figure I-2-6	GP030-C
Figure I-2-7	GP035-C
Figure I-2-8	GP040-C
Figure I-2-9	GP046-C
Figure I-2-10	GP050-C
Figure I-2-11	GP055-C
Figure I-2-12	GP060-C
Figure I-2-13	GP065-C
Figure I-2-14	GP070-C
Figure I-2-15	GP075-C
Figure I-2-16	GP079-C
Figure I-2-17	GP085-C
Figure I-2-18	GP089-C
Figure I-2-19	GP092-C

P:\PortHeiden\MXD\IEECA\Ap I Geophysics\Ap I-Att I-2 Figs I-2-1-19-SiteRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



GP005 - BOREHOLE CLEARANCE SURVEY
Site Road
PORT HEIDEN, ALASKA

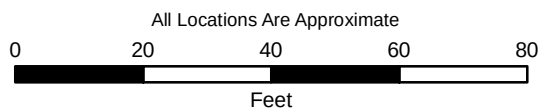
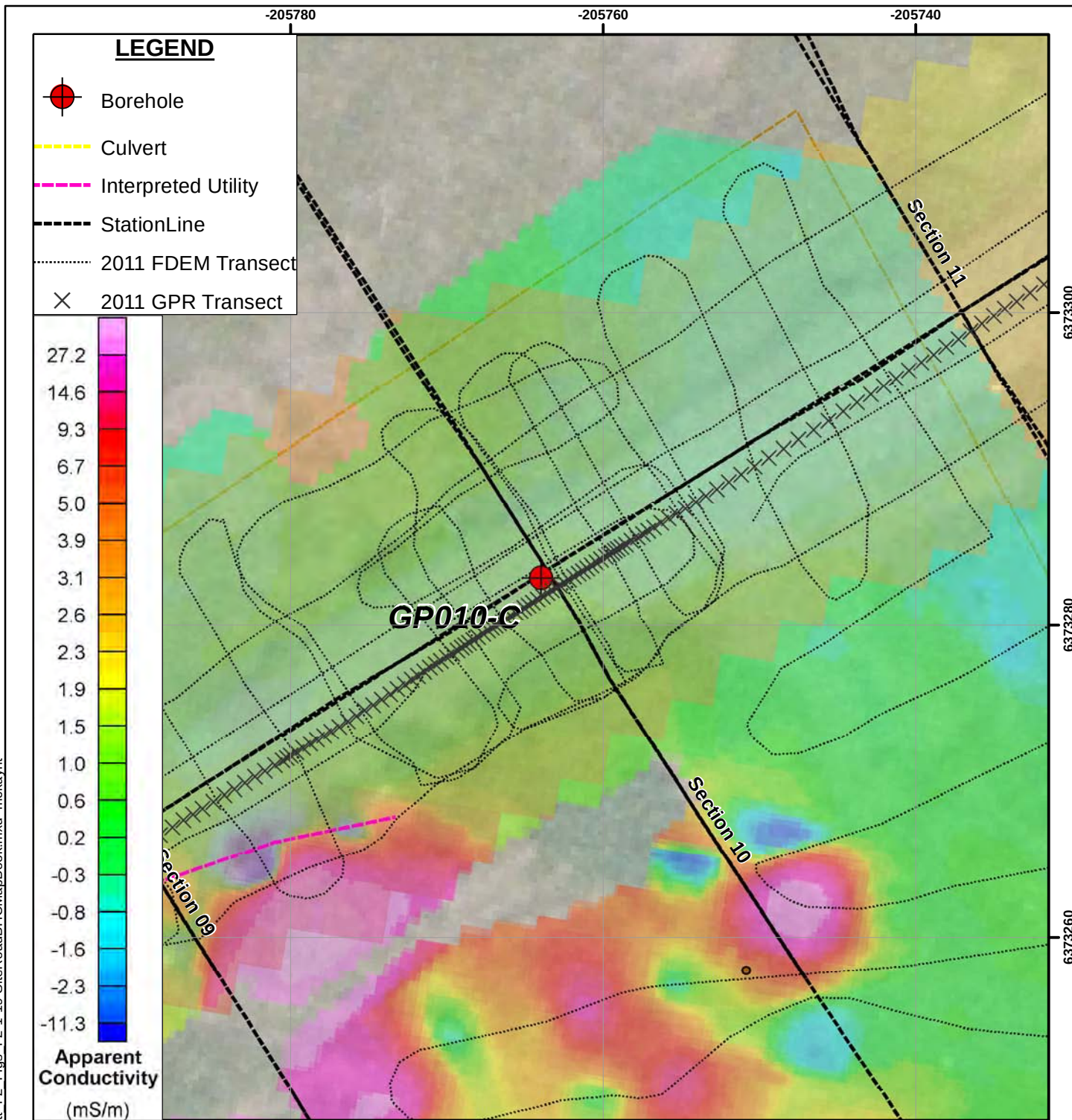
JACOBS

DATE:
24 Jan 2012

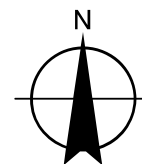
PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-2-1

P:\PortHeiden\MXD\IEECA\Ap I Geophysics\Ap I-Att I-2 Figs I-2-1-19-SiteRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



GP010 - BOREHOLE CLEARANCE SURVEY
Site Road
PORT HEIDEN, ALASKA

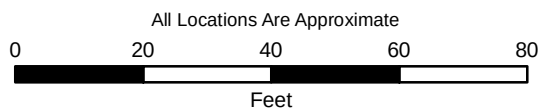
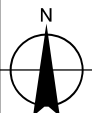
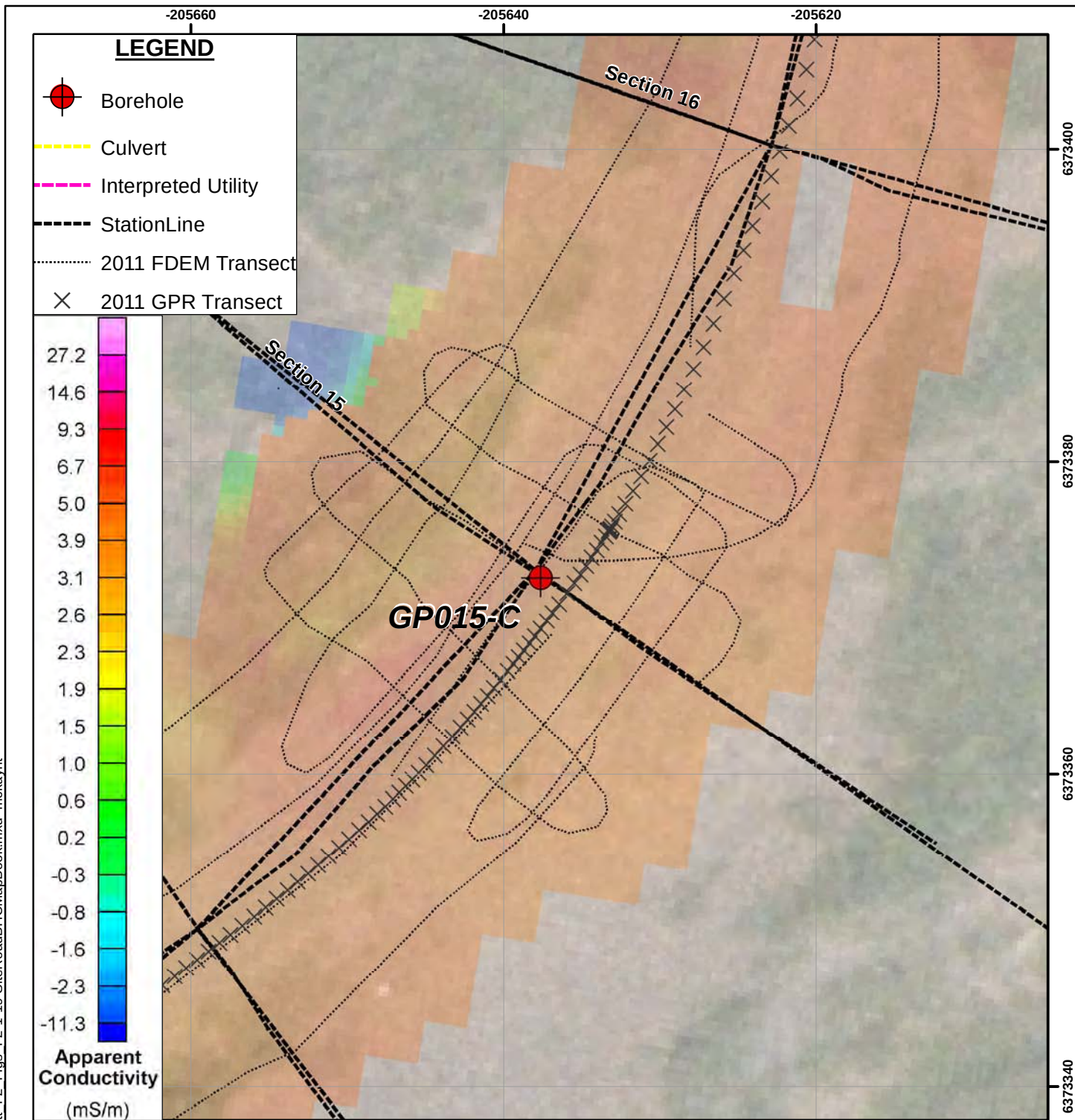
JACOBS

DATE:
24 Jan 2012

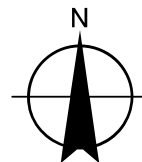
PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-2-2

P:\PortHeiden\MXD\IEECA\Ap I Geophysics\Ap I-Att I-2 Figs I-2-1-19-SiteRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



GP015 - BOREHOLE CLEARANCE SURVEY
Site Road
PORT HEIDEN, ALASKA

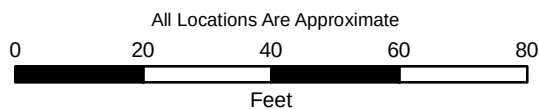
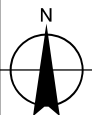
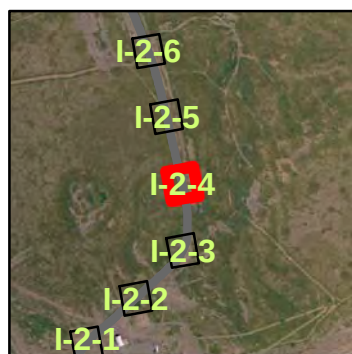
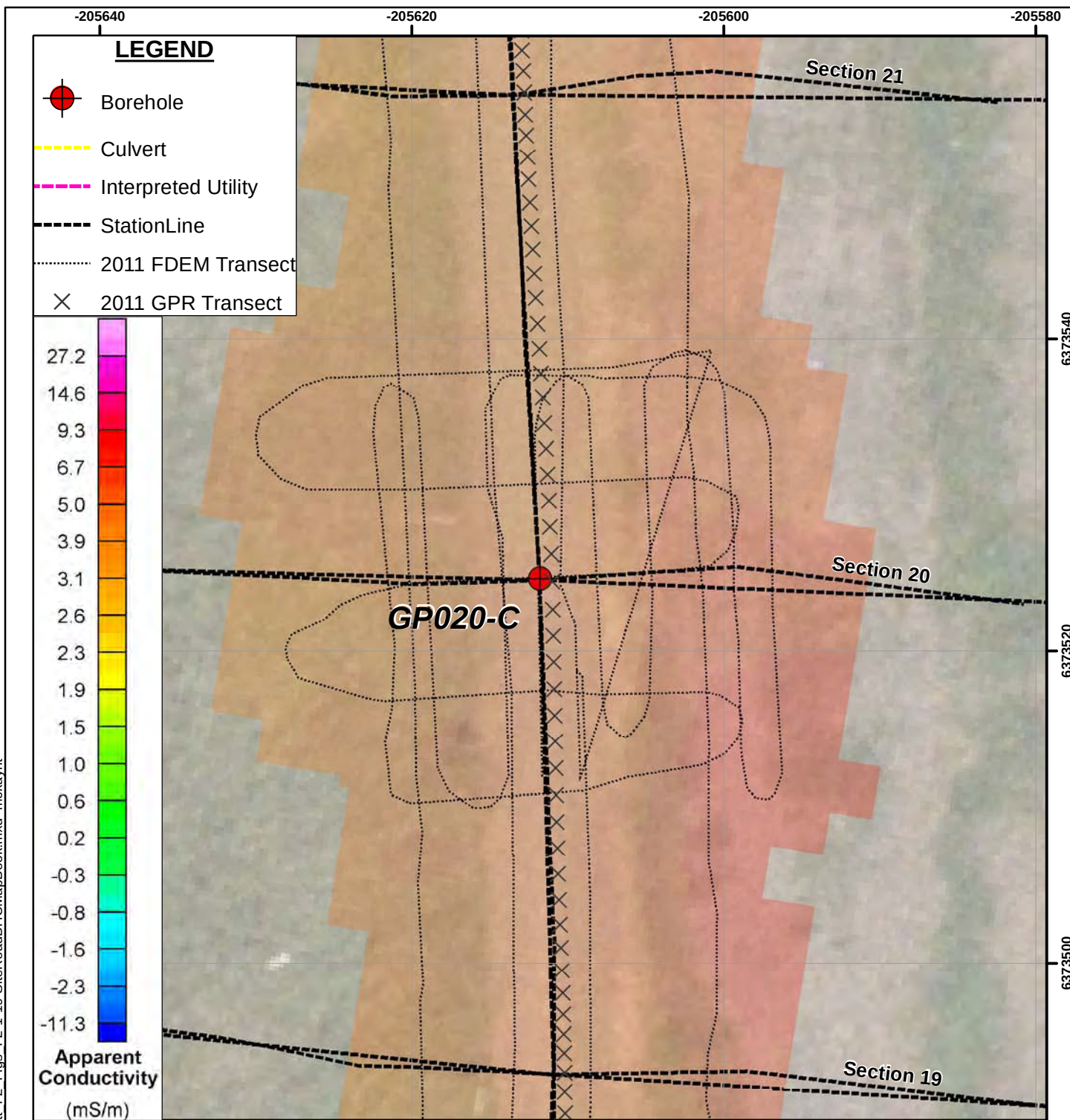
JACOBS

DATE:
24 Jan 2012

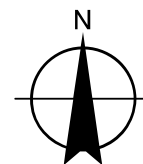
PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-2-3

P:\PortHeiden\MXD\IEECA\Ap\I-Att I-2 Figs I-2-1-19-SiteRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



GP020 - BOREHOLE CLEARANCE SURVEY
Site Road
PORT HEIDEN, ALASKA

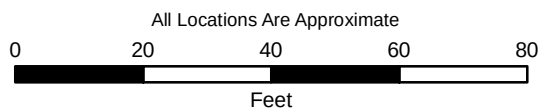
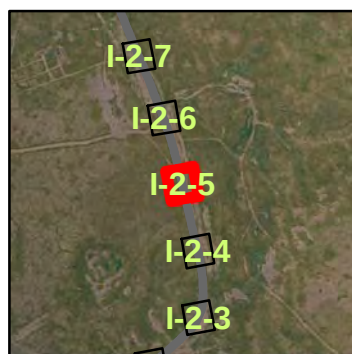
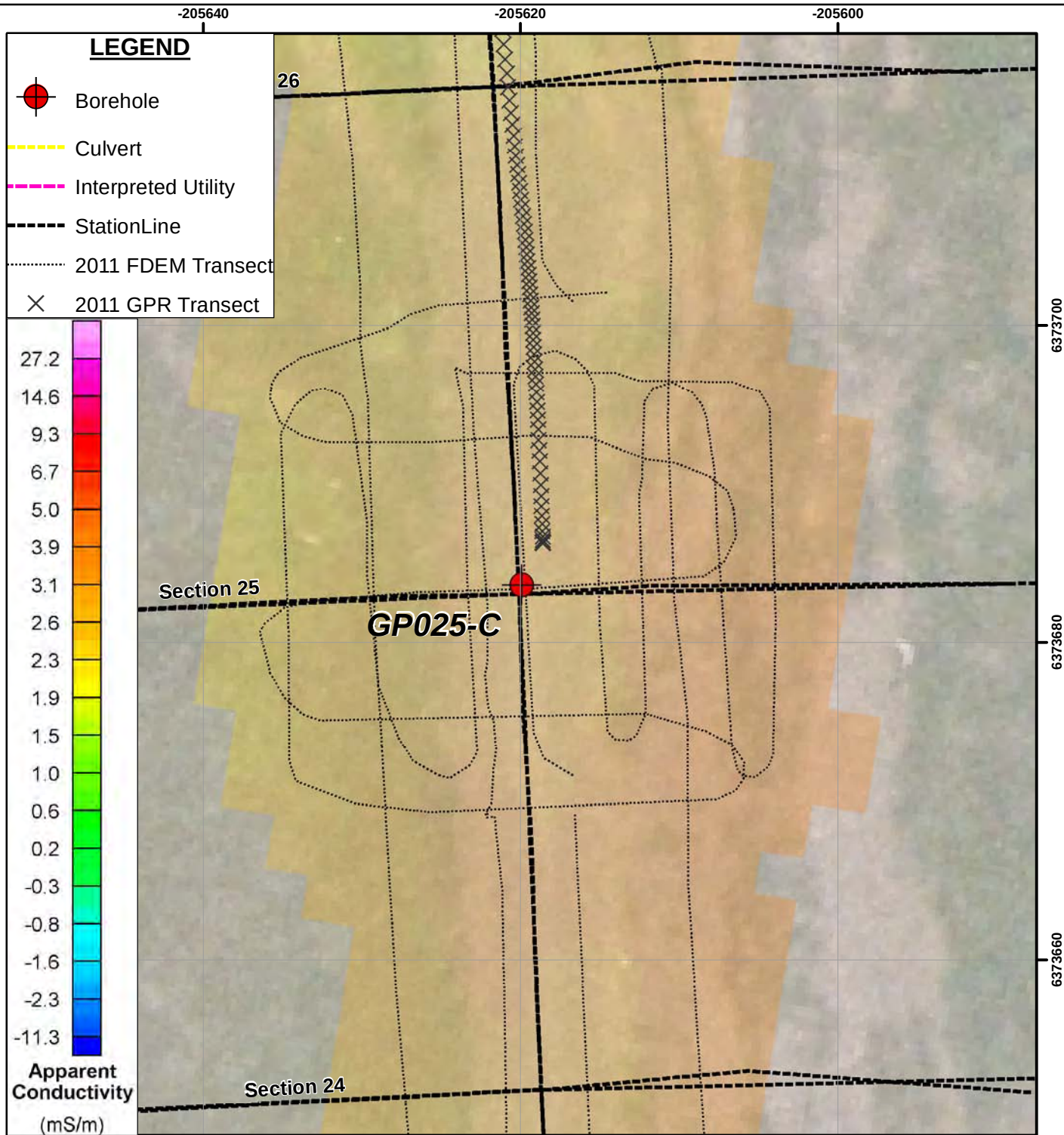
JACOBS

DATE:
24 Jan 2012

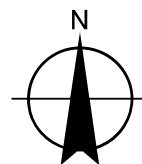
PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-2-4

P:\PortHeiden\MXD\IEECA\Ap\I\Geophysics\Ap I-Att I-2 Figs I-2-1-19-SiteRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



GP025 - BOREHOLE CLEARANCE SURVEY
Site Road
PORT HEIDEN, ALASKA

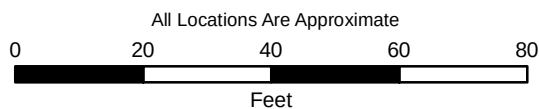
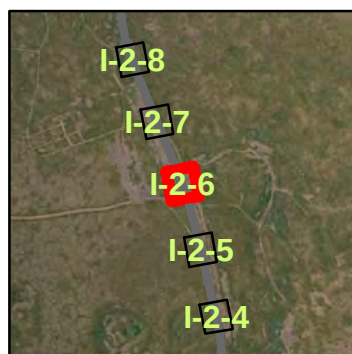
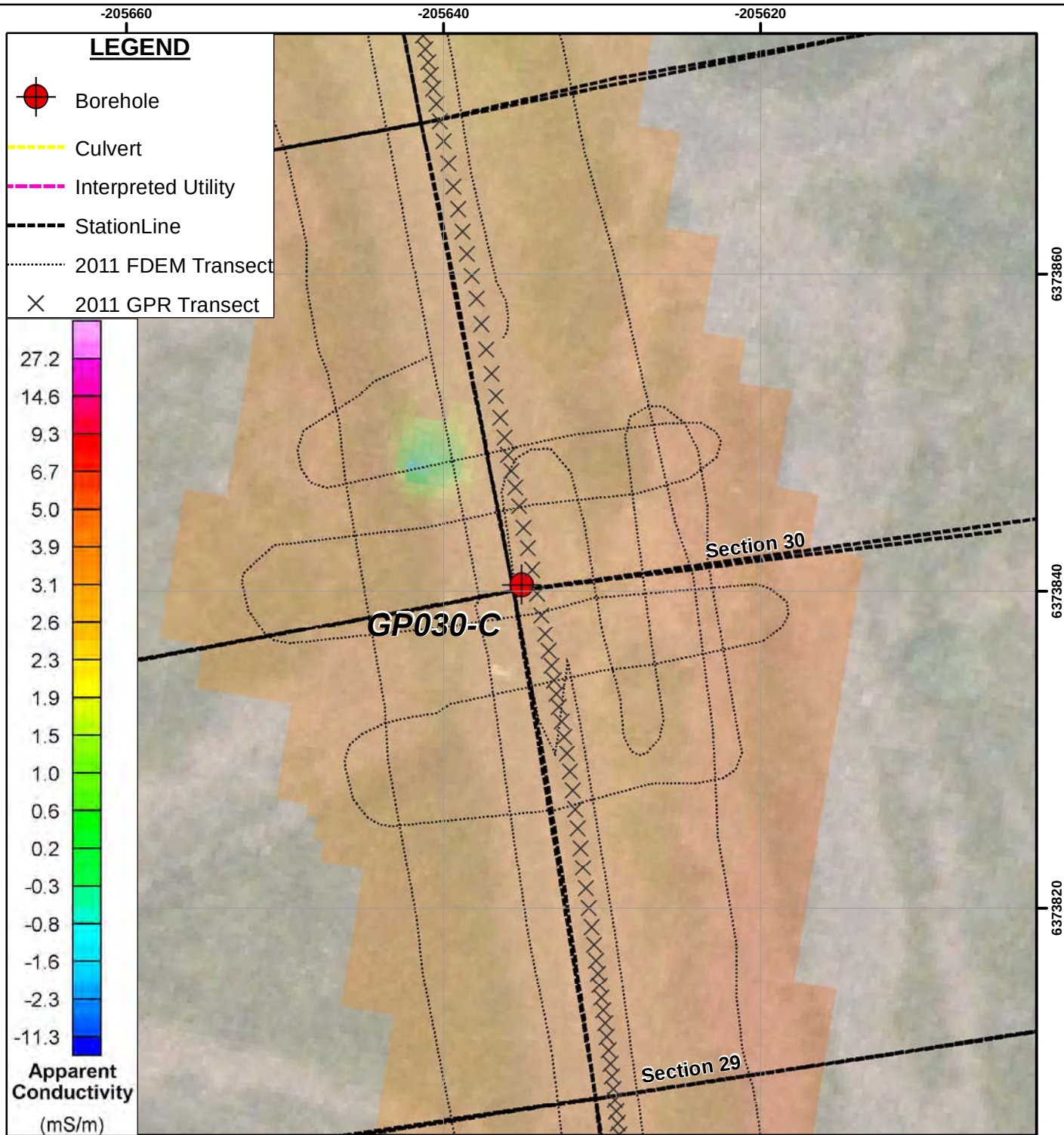
JACOBS

DATE:
24 Jan 2012

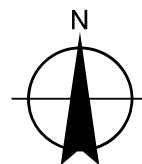
PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-2-5

P:\PortHeiden\MXD\IEECA\Ap\I\Geophysics\Ap I-Att I-2 Figs I-2-1-19-SiteRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



GP030 - BOREHOLE CLEARANCE SURVEY
Site Road
PORT HEIDEN, ALASKA

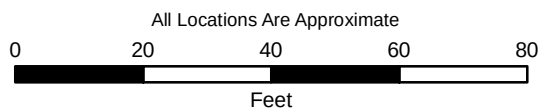
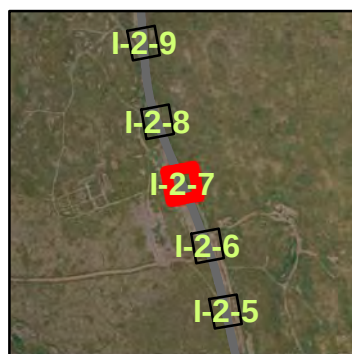
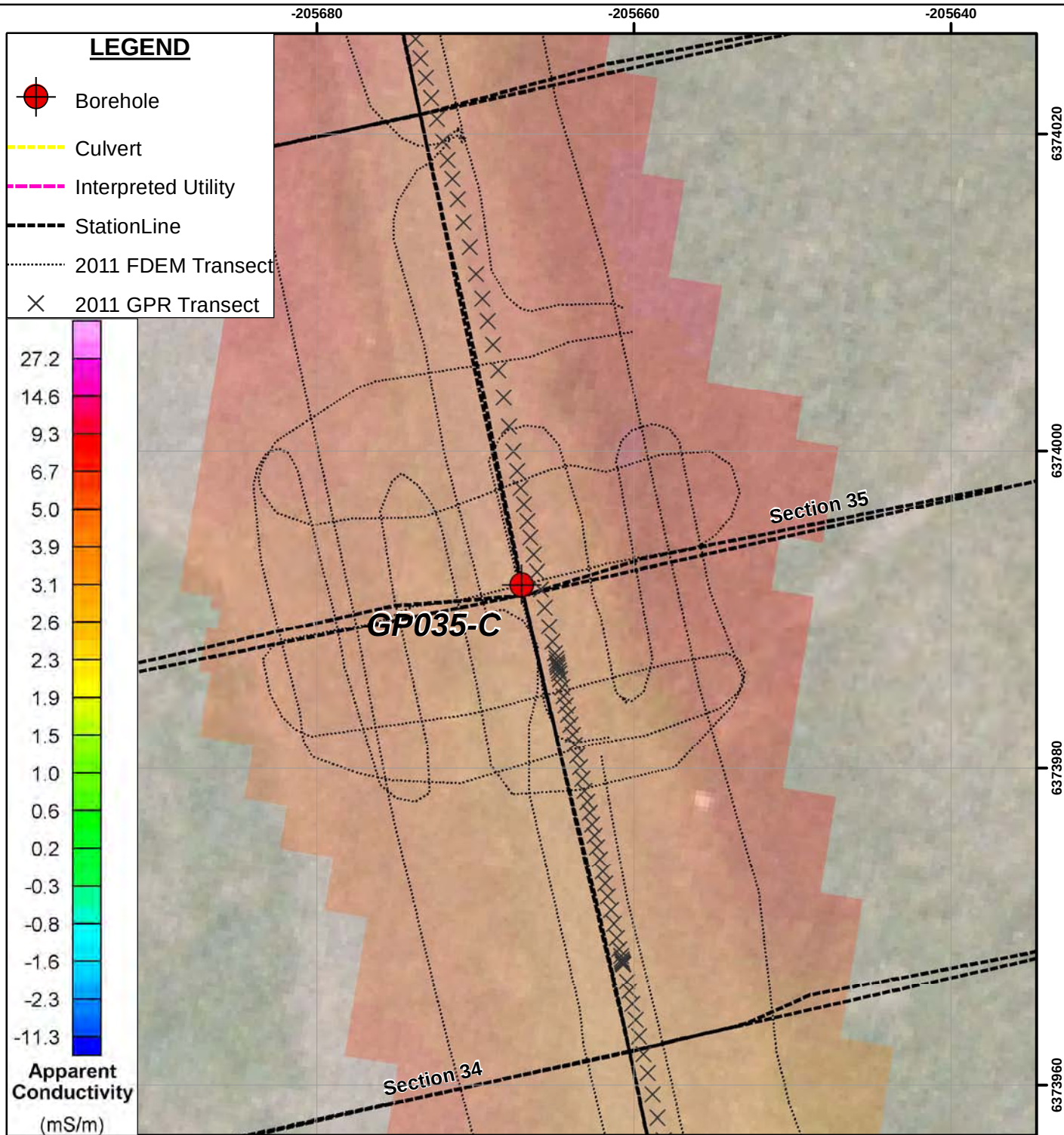
JACOBS

DATE:
24 Jan 2012

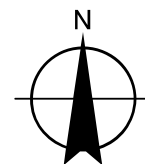
PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-2-6

P:\PortHeiden\MXD\IEECA\Ap\I\Geophysics\Ap I-Att I-2 Figs I-2-1-19-SiteRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



GP035 - BOREHOLE CLEARANCE SURVEY
Site Road
PORT HEIDEN, ALASKA

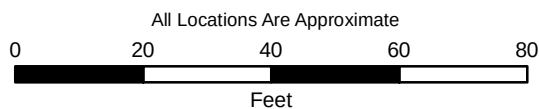
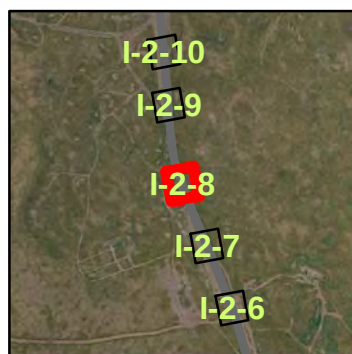
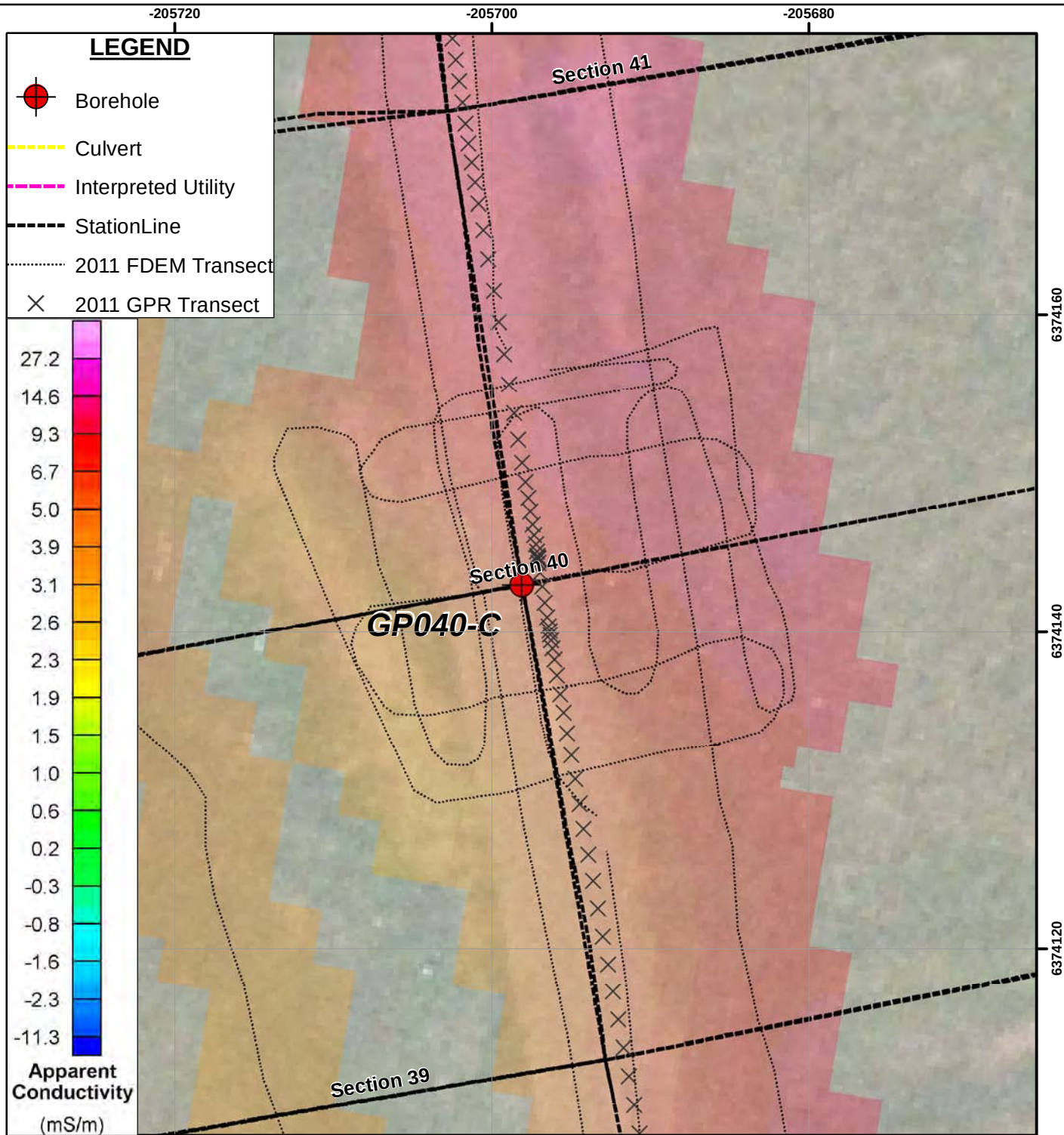
JACOBS

DATE:
24 Jan 2012

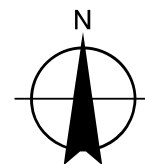
PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-2-7

P:\PortHeiden\MXD\IEECA\Ap\I-Att I-2 Figs I-2-1-19-SiteRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



GP040 - BOREHOLE CLEARANCE SURVEY
Site Road
PORT HEIDEN, ALASKA

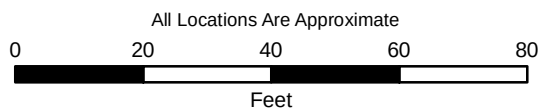
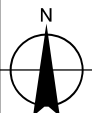
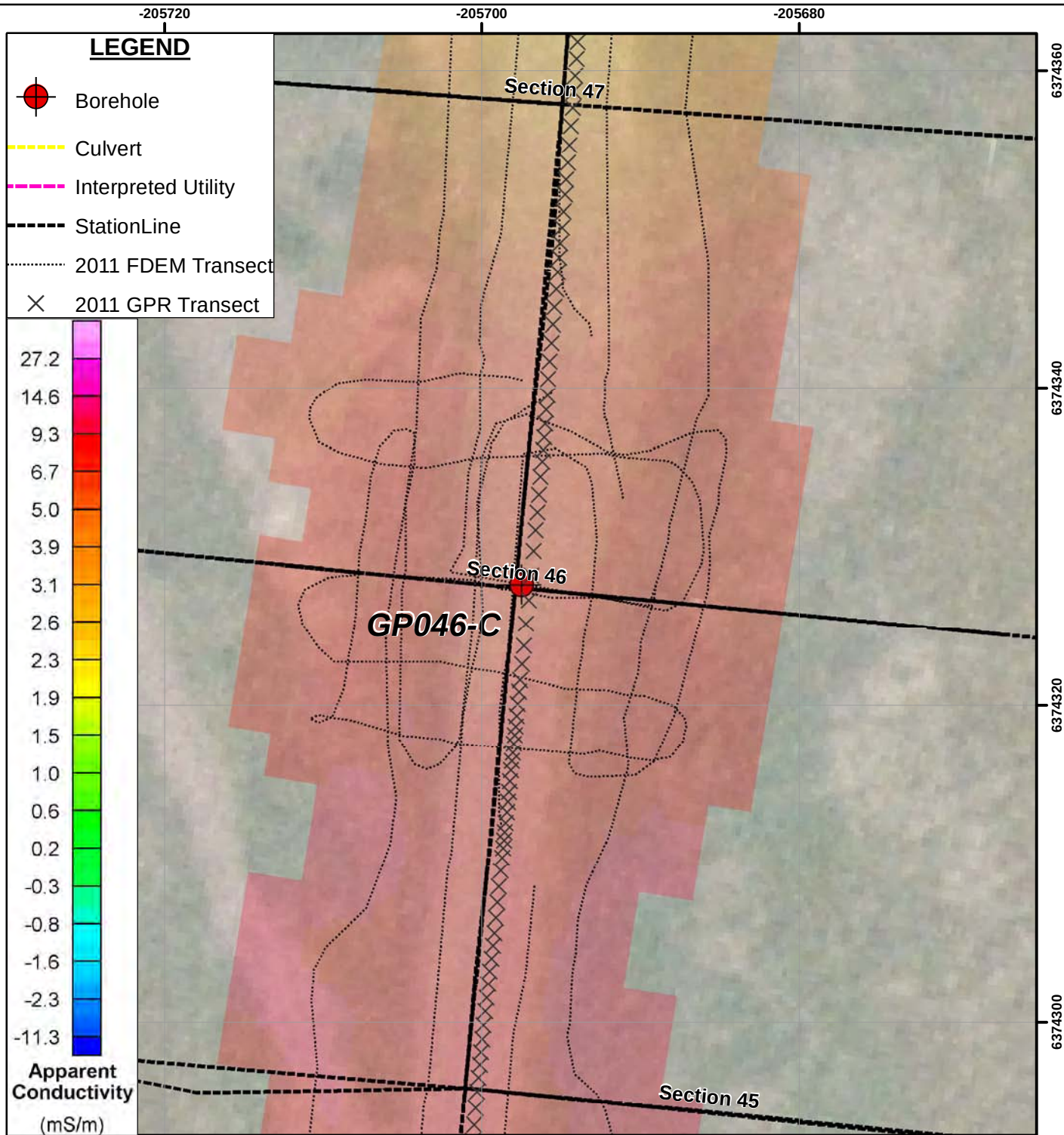
JACOBS

DATE:
24 Jan 2012

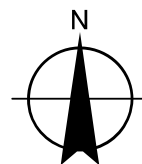
PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-2-8

P:\PortHeiden\MXD\IEECA\Ap I Geophysics\Ap I-Att I-2 Figs I-2-1-19-SiteRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



GP046 - BOREHOLE CLEARANCE SURVEY
Site Road
PORT HEIDEN, ALASKA

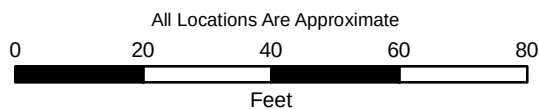
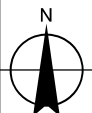
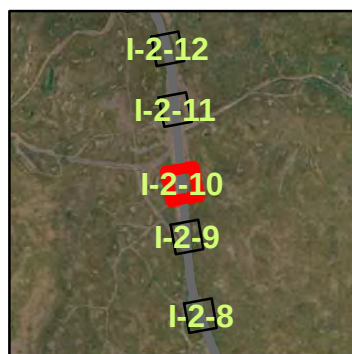
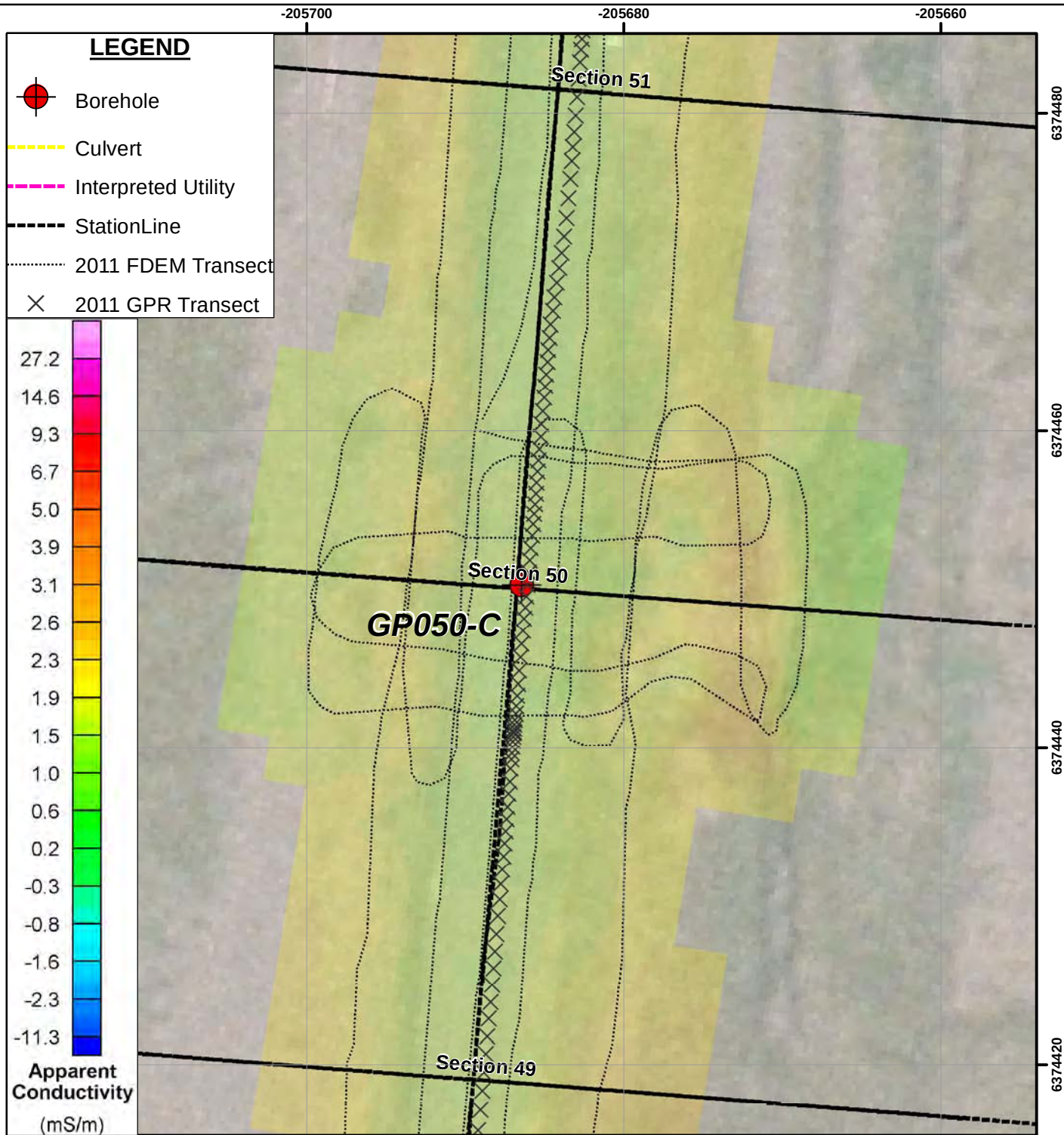
JACOBS

DATE:
24 Jan 2012

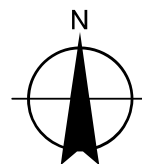
PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-2-9

P:\PortHeiden\MXD\IEECA\Ap\I-Att I-2 Figs I-2-1-19-SiteRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



GP050 - BOREHOLE CLEARANCE SURVEY
Site Road
PORT HEIDEN, ALASKA

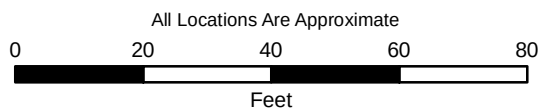
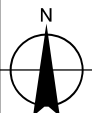
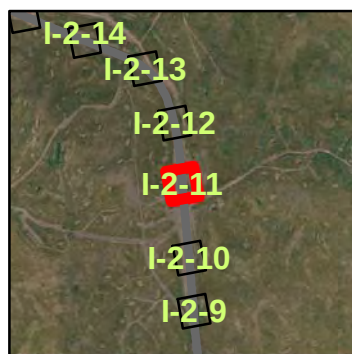
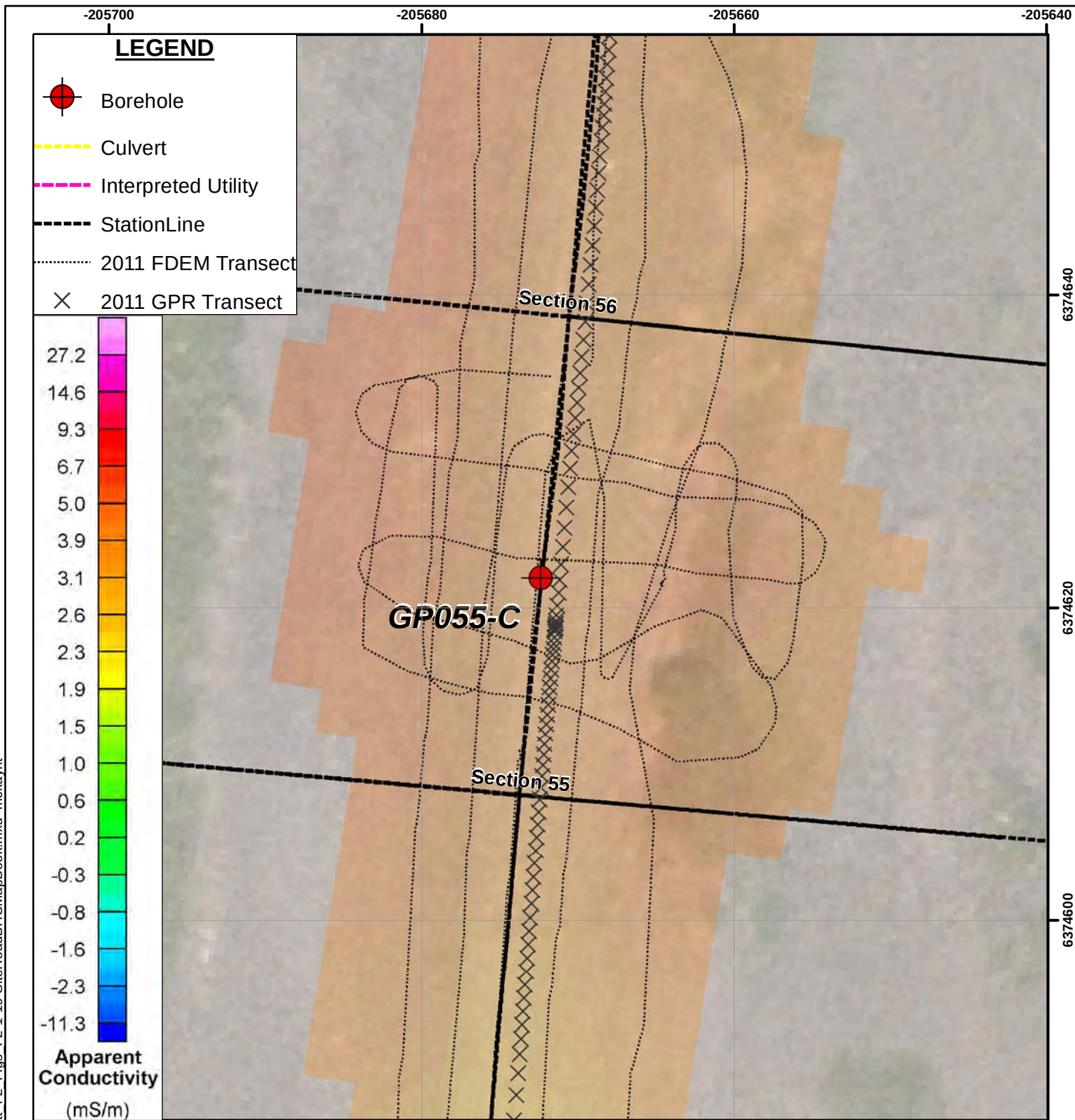
JACOBS

DATE:
24 Jan 2012

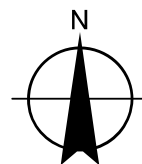
PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-2-10

P:\PortHeiden\MXD\IEECA\Ap I Geophysics\Ap I-Att I-2 Figs I-2-1-19-SiteRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



GP055 - BOREHOLE CLEARANCE SURVEY
Site Road
PORT HEIDEN, ALASKA

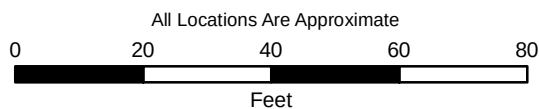
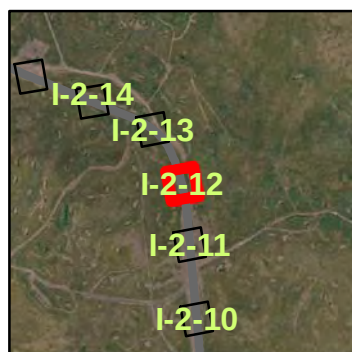
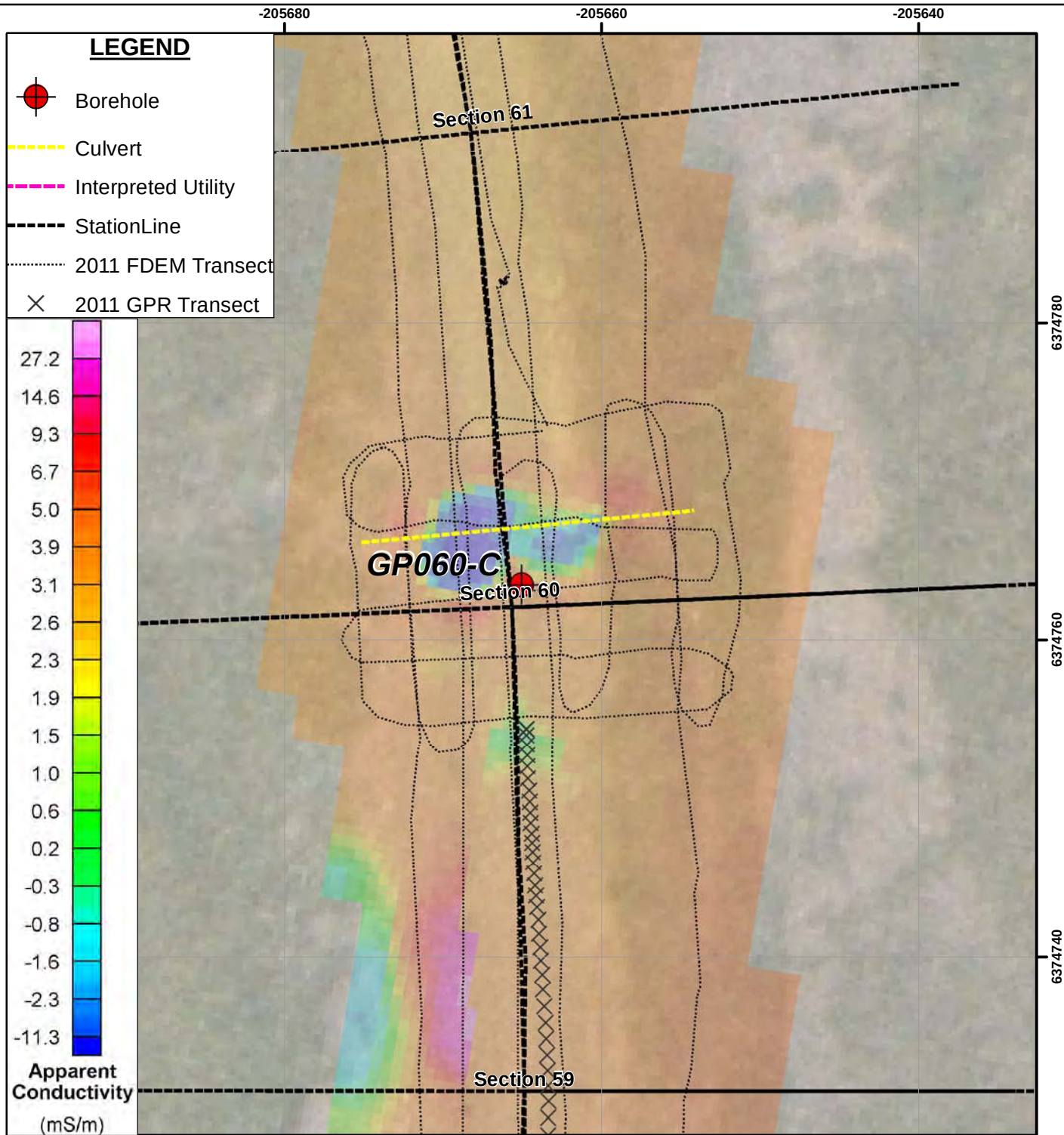
JACOBS

DATE:
24 Jan 2012

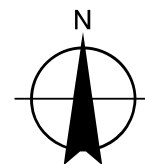
PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-2-11

P:\PortHeiden\MXD\IEECA\Ap\I\Geophysics\Ap I-Att I-2 Figs I-2-1-19-SiteRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



GP060 - BOREHOLE CLEARANCE SURVEY
Site Road
PORT HEIDEN, ALASKA

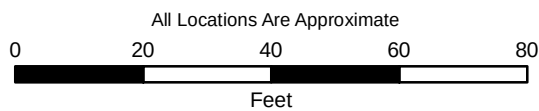
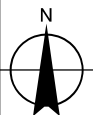
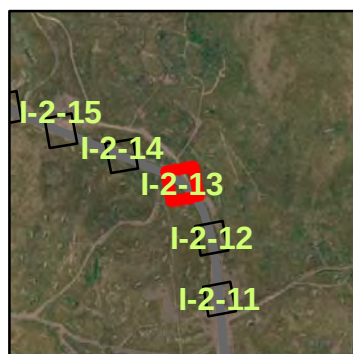
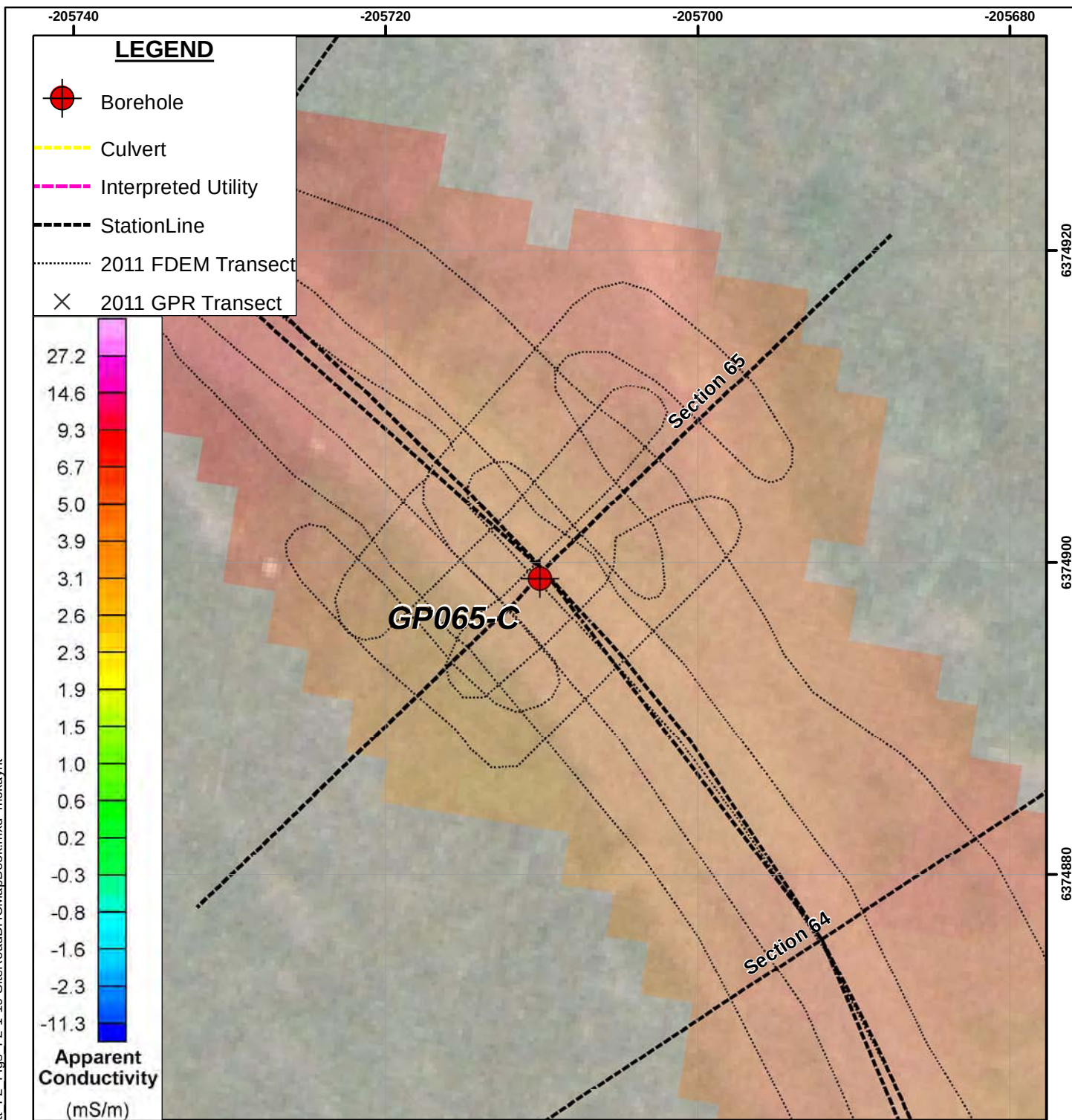
JACOBS

DATE:
24 Jan 2012

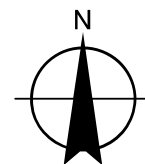
PROJECT MANAGER:
K. MCGOVERN

FIGURE NO.:
I-2-12

P:\PortHeiden\MXD\IEECA\Ap I Geophysics\Ap I-Att I-2 Figs I-2-1-19-SiteRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



GP065 - BOREHOLE CLEARANCE SURVEY
Site Road
PORT HEIDEN, ALASKA

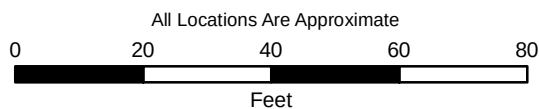
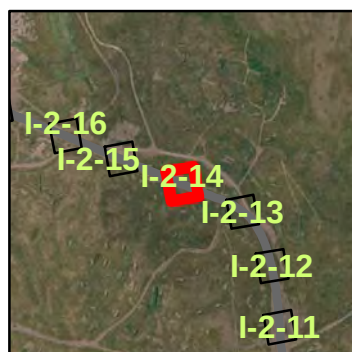
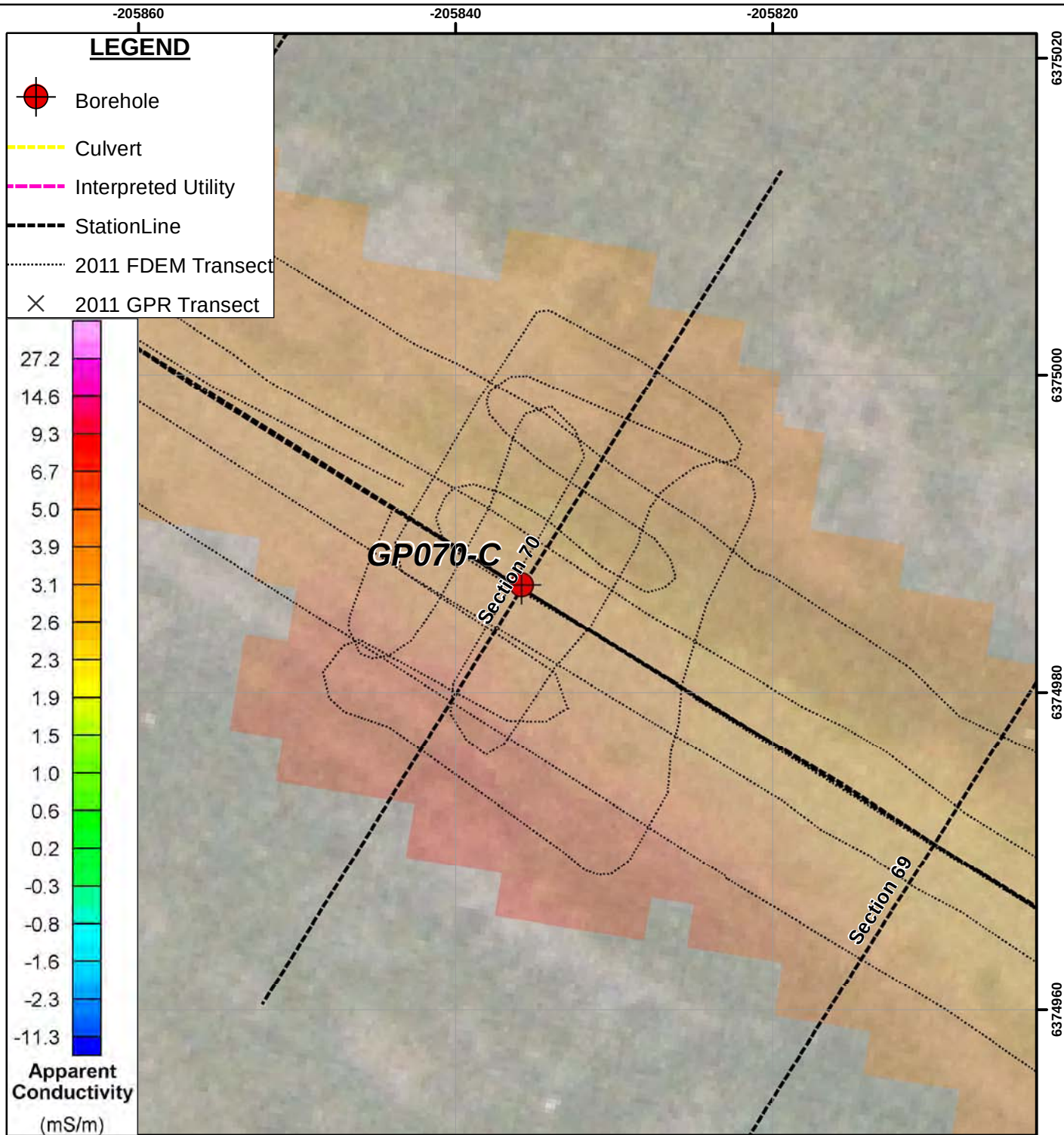
JACOBS

DATE:
24 Jan 2012

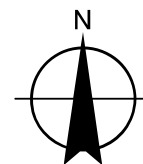
PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-2-13

P:\PortHeiden\MXD\IEECA\Ap\I\Geophysics\Ap I-Att I-2 Figs I-2-1-19-SiteRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



GP070 - BOREHOLE CLEARANCE SURVEY
Site Road
PORT HEIDEN, ALASKA

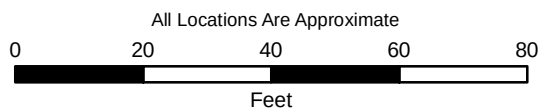
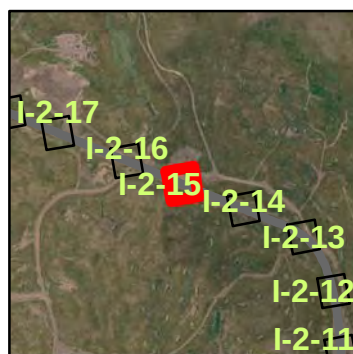
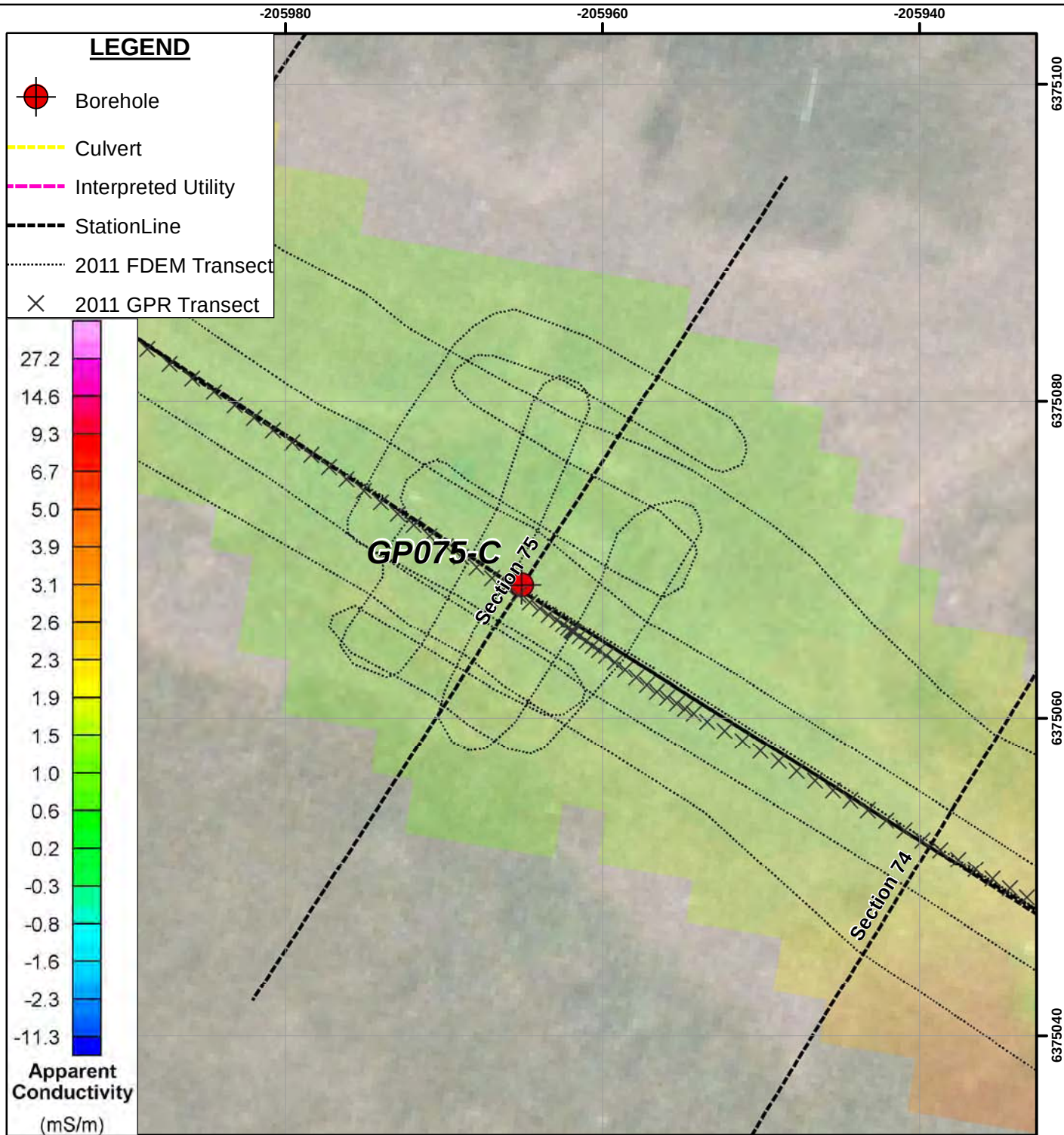
JACOBS

DATE:
24 Jan 2012

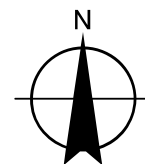
PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-2-14

P:\PortHeiden\MXD\IEECA\Ap\I\Geophysics\Ap I-Att I-2 Figs I-2-1-19-SiteRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



GP075 - BOREHOLE CLEARANCE SURVEY
Site Road
PORT HEIDEN, ALASKA

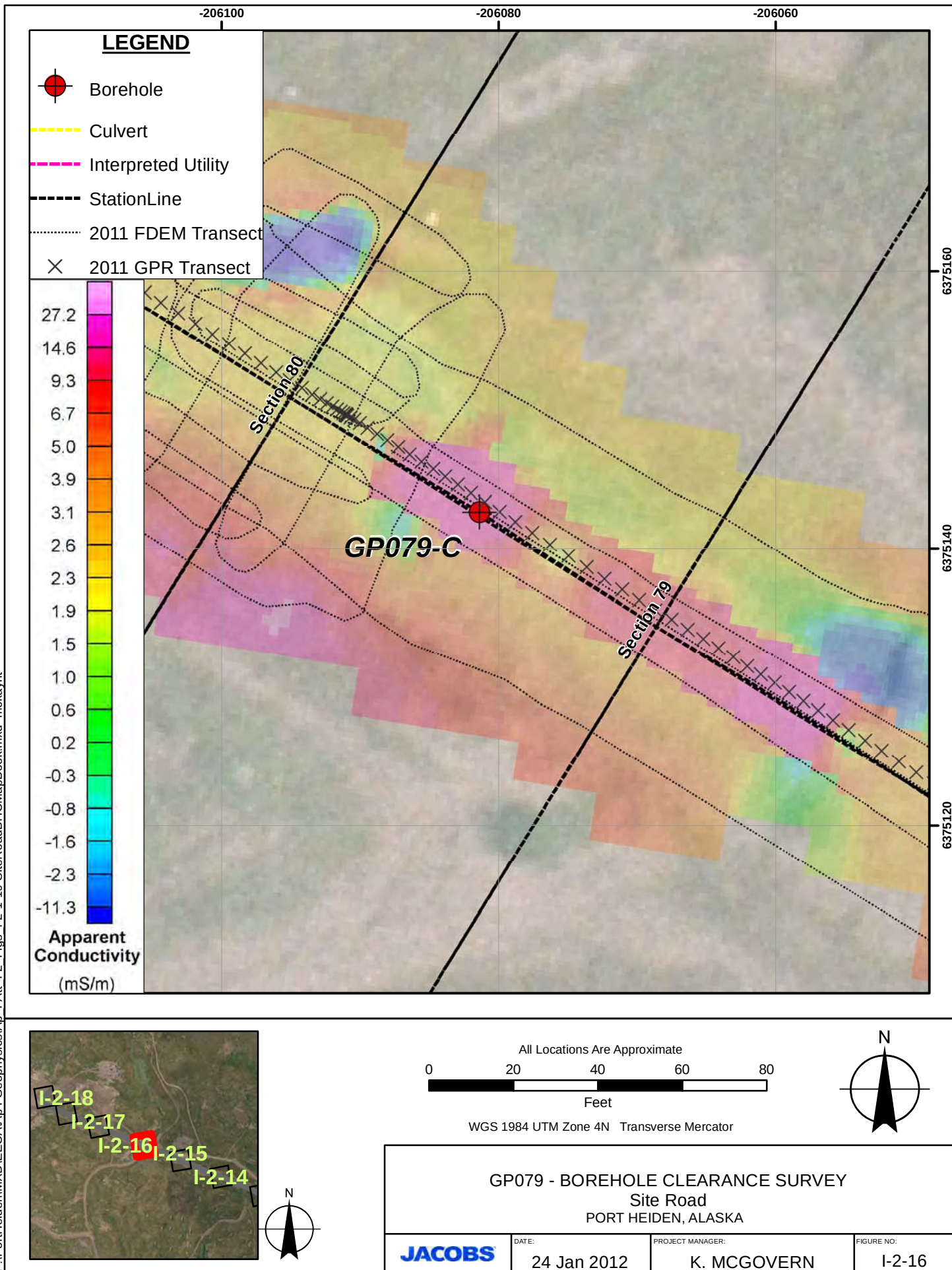
JACOBS

DATE:
24 Jan 2012

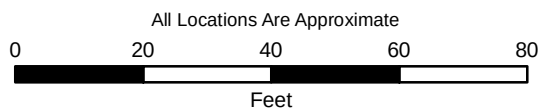
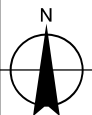
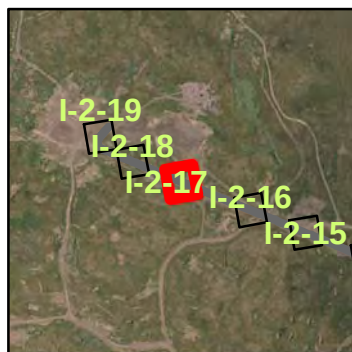
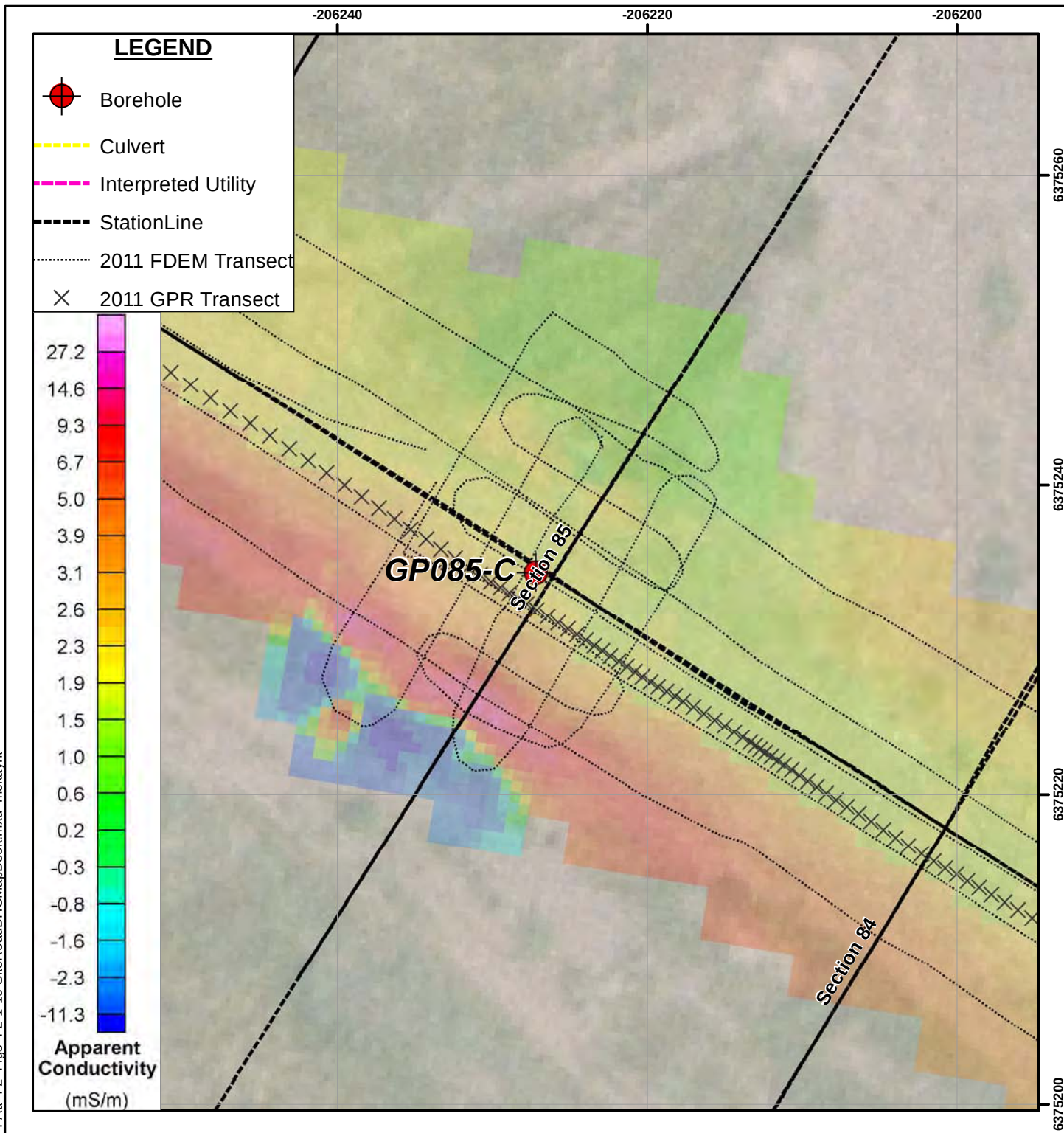
PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-2-15

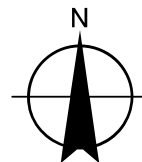
P:\PortHeiden\MXD\IEECA\Ap I Geophysics\Ap I-Att I-2 Figs I-2-1-19-SiteRoadBHCMapBook.mxd mckaynt



P:\PortHeiden\MXD\IEECA\Ap I Geophysics\Ap I-Att I-2 Figs I-2-1-19-SiteRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



GP080 - BOREHOLE CLEARANCE SURVEY
Site Road
PORT HEIDEN, ALASKA

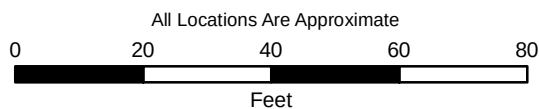
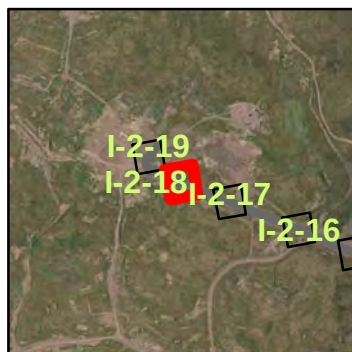
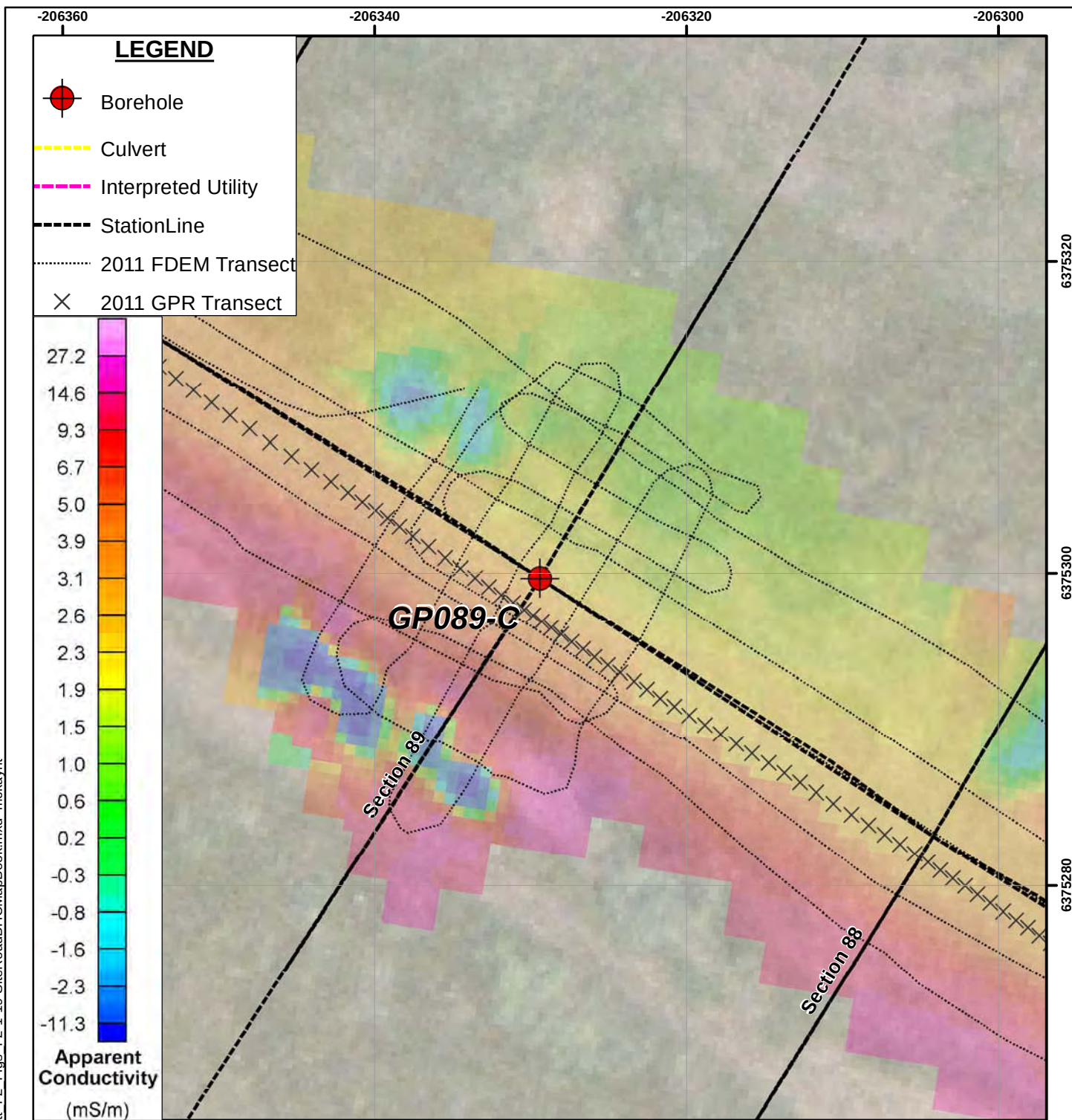
JACOBS

DATE:
24 Jan 2012

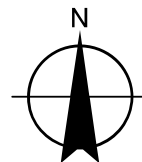
PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-2-17

P:\PortHeiden\MXD\IEECA\Ap\I-Att I-2 Figs I-2-1-19-SiteRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



GP089 - BOREHOLE CLEARANCE SURVEY
Site Road
PORT HEIDEN, ALASKA

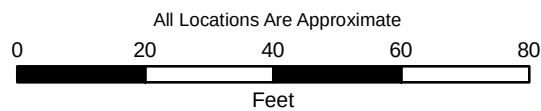
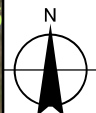
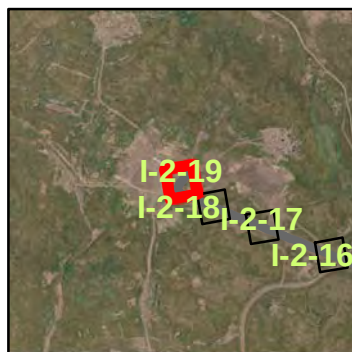
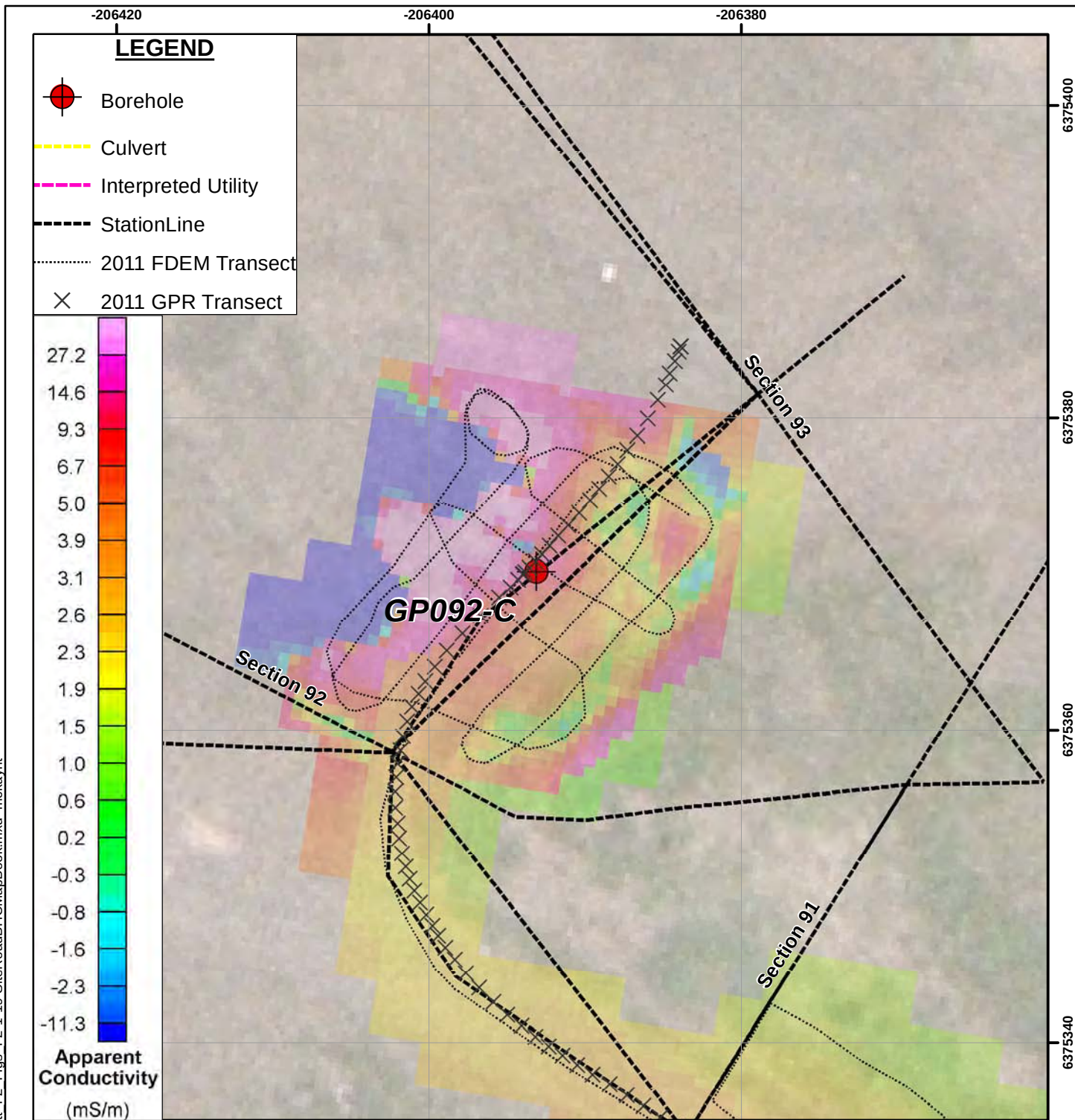
JACOBS

DATE:
24 Jan 2012

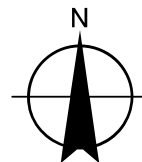
PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-2-18

P:\PortHeiden\MXD\IEECA\Ap I Geophysics\Ap I-Att I-2 Figs I-2-1-19-SiteRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



GP092 - BOREHOLE CLEARANCE SURVEY
Site Road
PORT HEIDEN, ALASKA

JACOBS

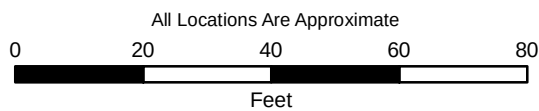
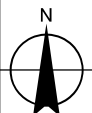
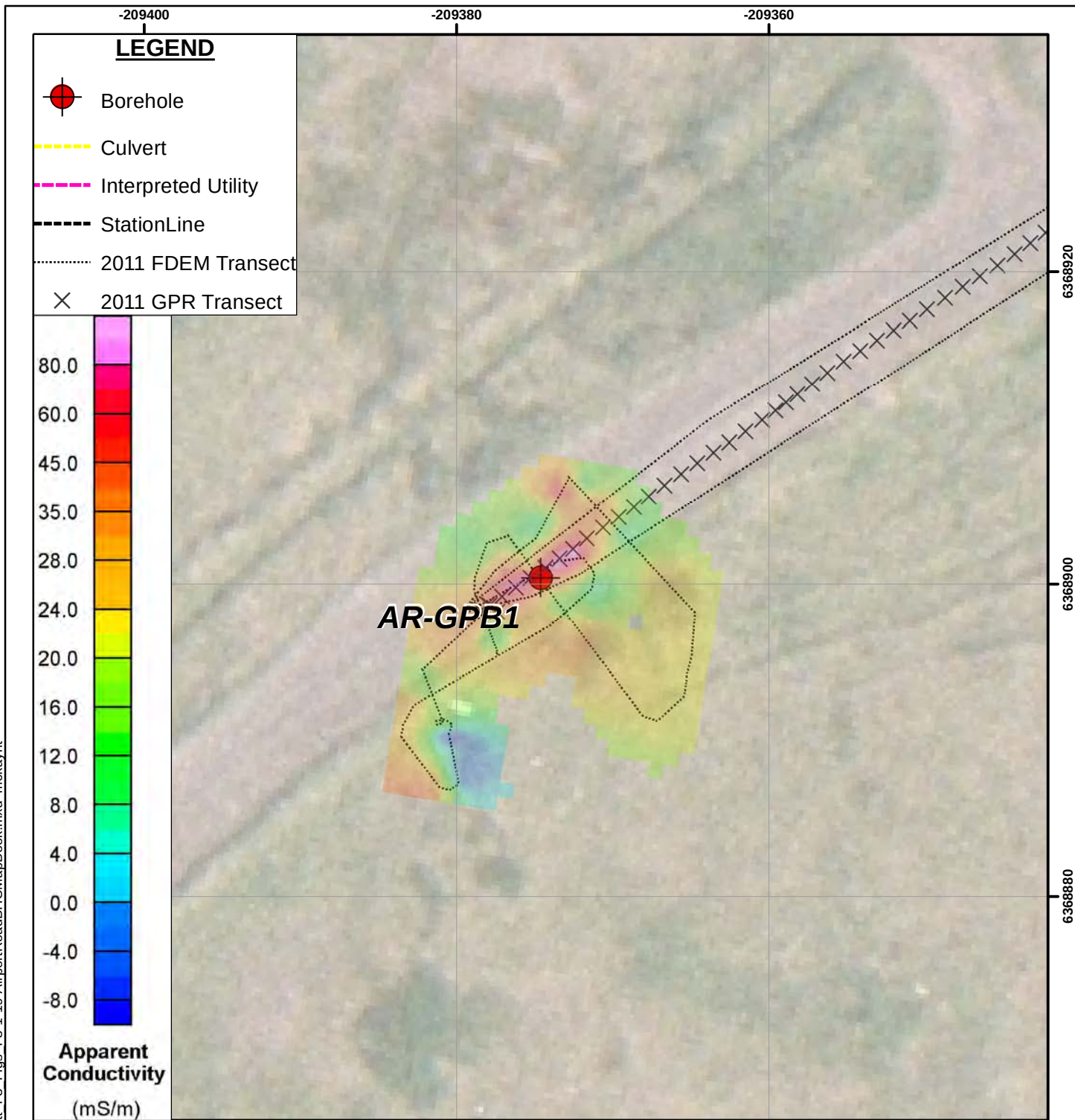
DATE:
24 Jan 2012

PROJECT MANAGER:
K. MCGOVERN

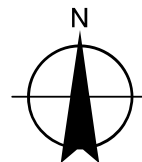
FIGURE NO:
I-2-19

ATTACHMENT I-3
Airport Road Borehole Hazard Clearance Survey Maps

Figure I-3-1	AR-GPB1
Figure I-3-2	AR-GPB2
Figure I-3-3	AR-GPB3
Figure I-3-4	AR-GPB4
Figure I-3-5	AR-GPB5
Figure I-3-6	AR-GPB6
Figure I-3-7	AR-GPB7
Figure I-3-8	AR-GPB8
Figure I-3-9	AR-GPB9
Figure I-3-10	AR-GPB10
Figure I-3-11	AR-GPB11
Figure I-3-12	AR-GPB15
Figure I-3-13	AR-GPB17
Figure I-3-14	AR-GPB18
Figure I-3-15	AR-GPB19
Figure I-3-16	AR-GPB20
Figure I-3-17	AR-GPB21



WGS 1984 UTM Zone 4N Transverse Mercator



AR-GPB-1 - BOREHOLE CLEARANCE SURVEY
Airport Road
PORT HEIDEN, ALASKA

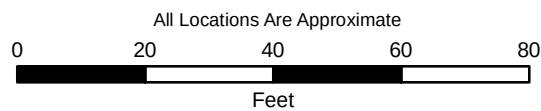
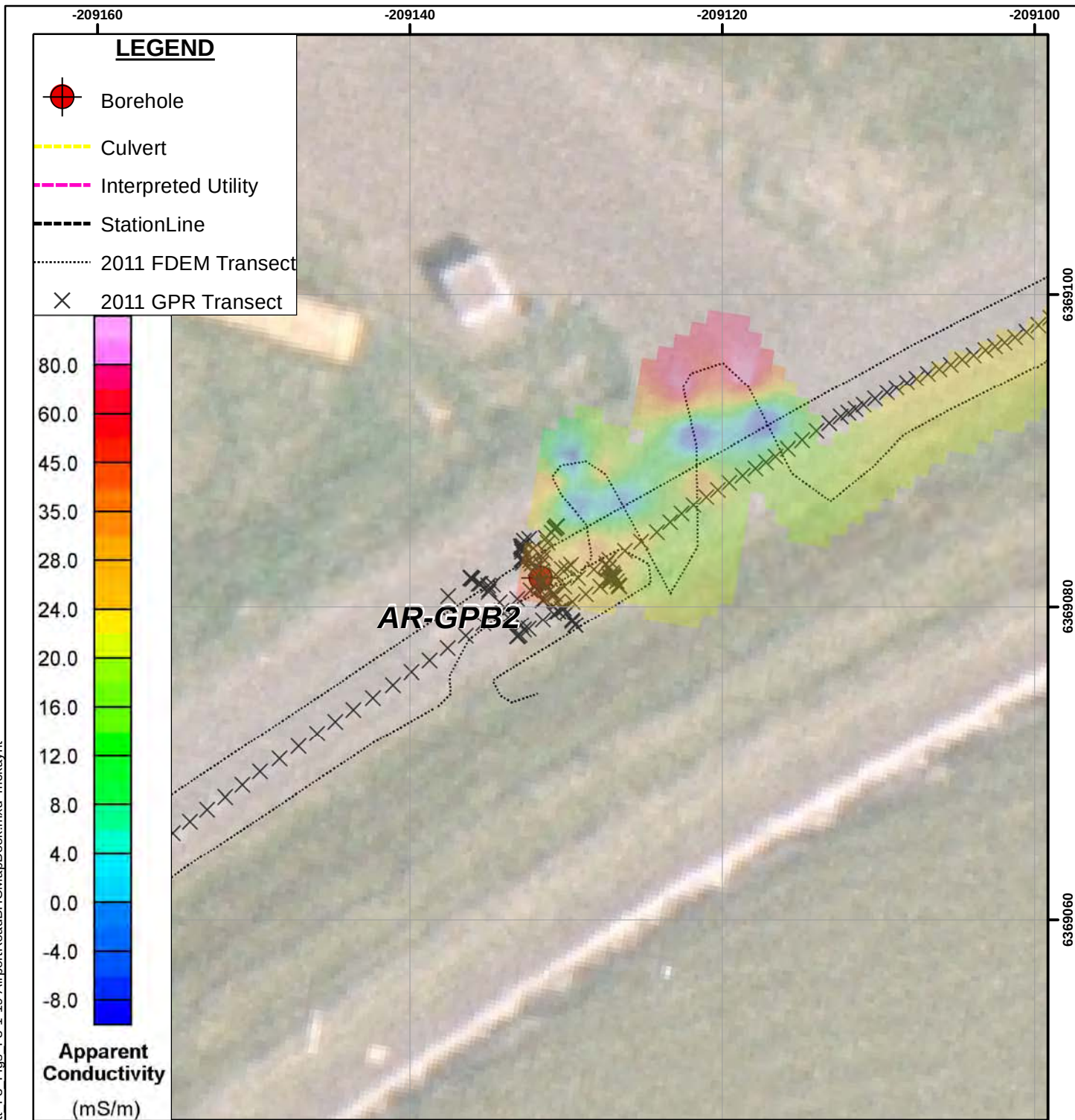
JACOBS

DATE:
24 Jan 2012

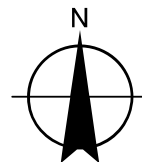
PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-3-1

P:\PortHeiden\MXD\IEECA\Ap\I\Geophysics\Ap I-Att I-3 Figs I-3-1-19-AirportRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



AR-GPB-2 - BOREHOLE CLEARANCE SURVEY
Airport Road
PORT HEIDEN, ALASKA

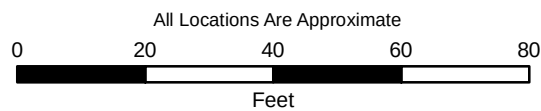
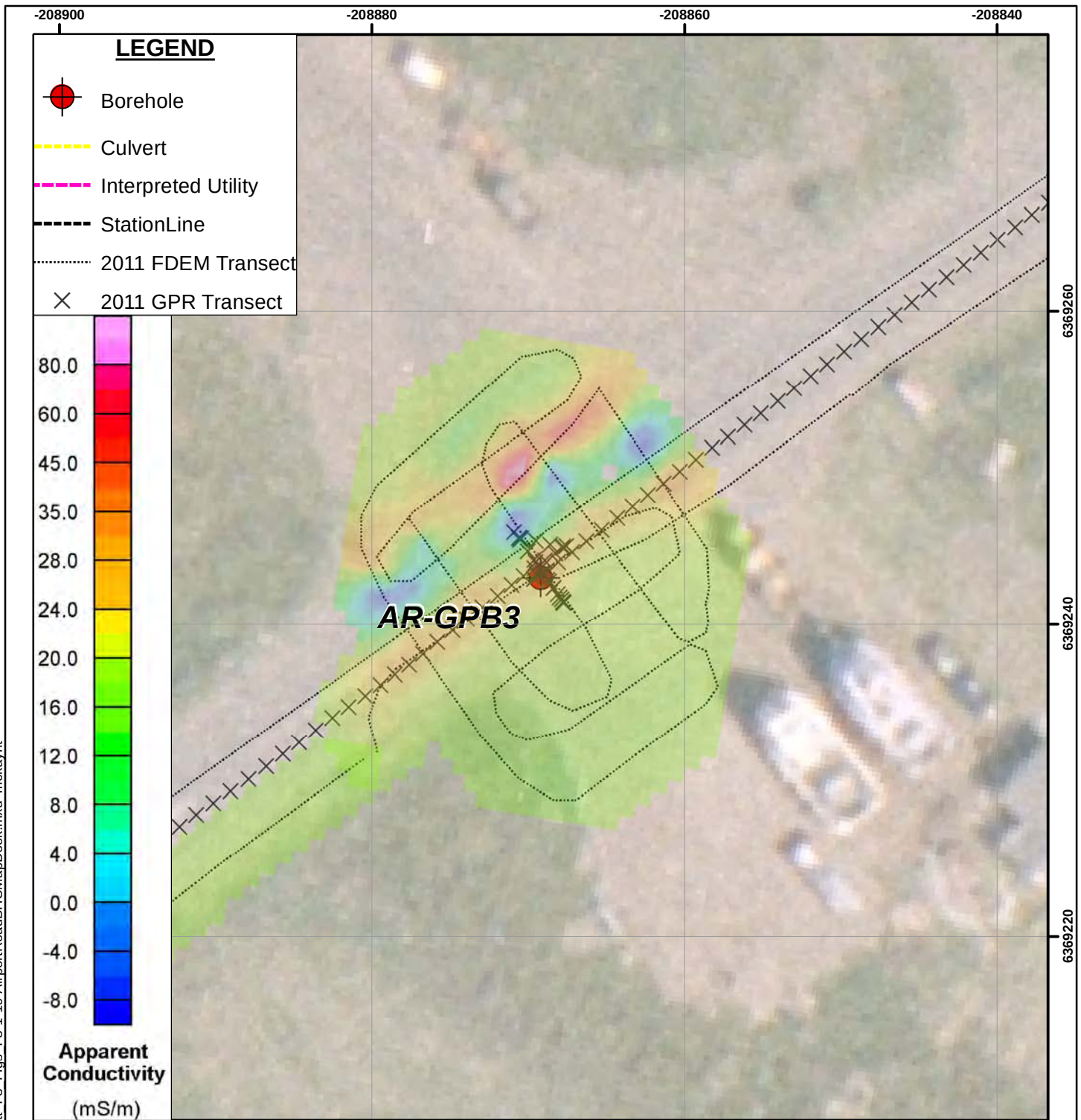
JACOBS

DATE:
24 Jan 2012

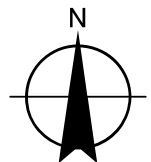
PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-3-2

P:\PortHeiden\MXD\IEECA\Map\I-Att I-3 Figs I-3-1-19-AirportRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



AR-GPB-3 - BOREHOLE CLEARANCE SURVEY
Airport Road
PORT HEIDEN, ALASKA

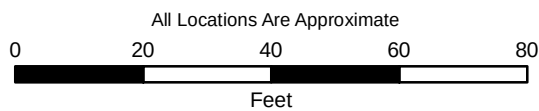
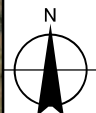
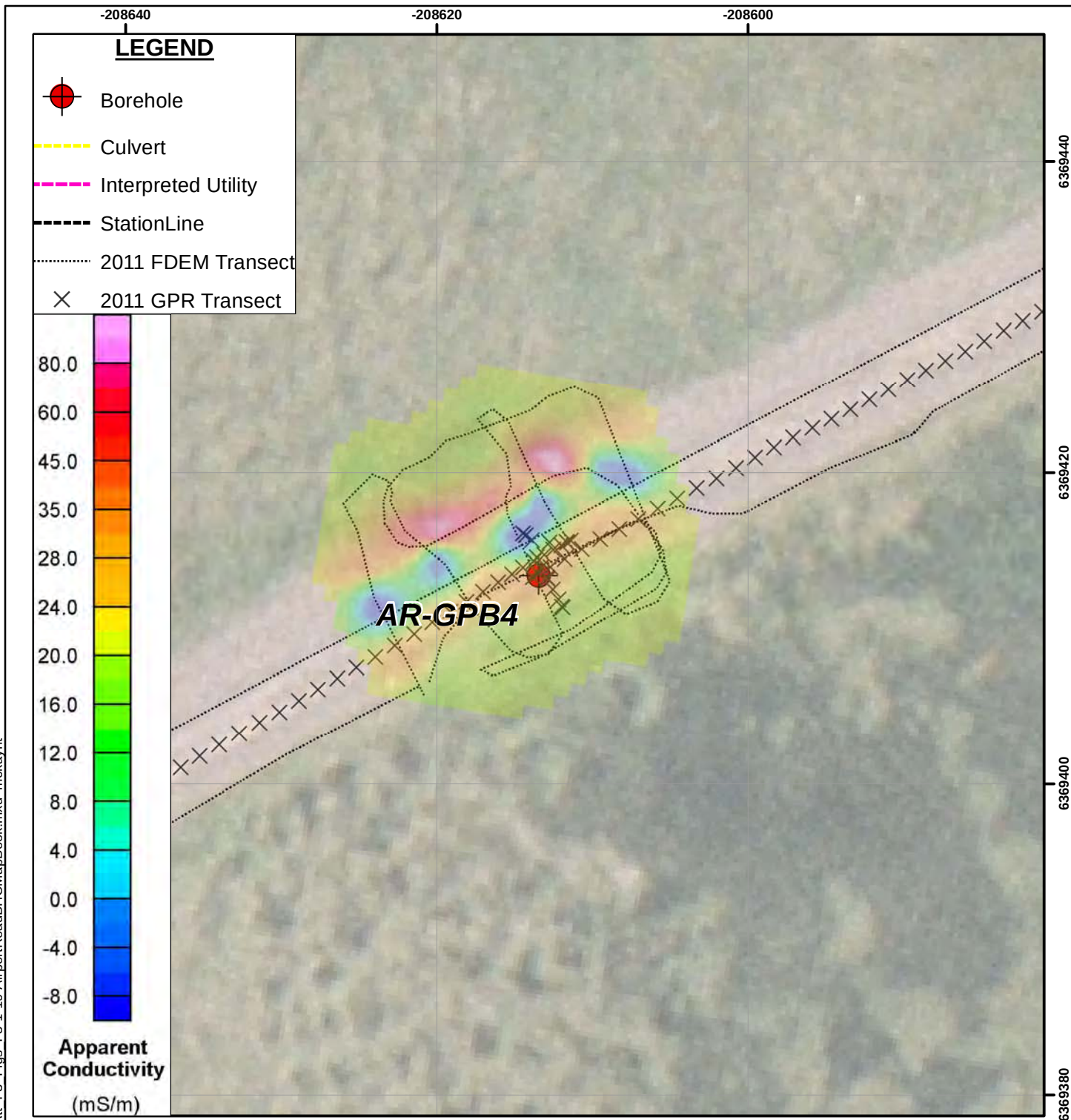
JACOBS

DATE:
24 Jan 2012

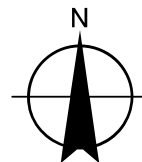
PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-3-3

P:\PortHeiden\MXD\IEECA\Ap\I-Att I-3 Figs I-3-1-19-AirportRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



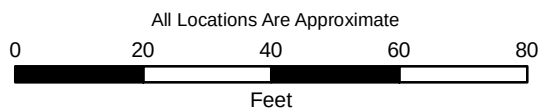
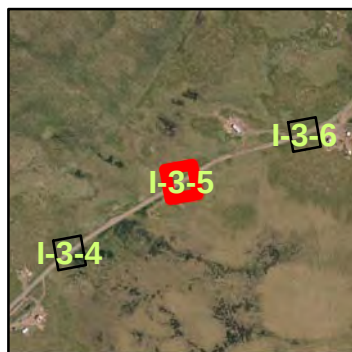
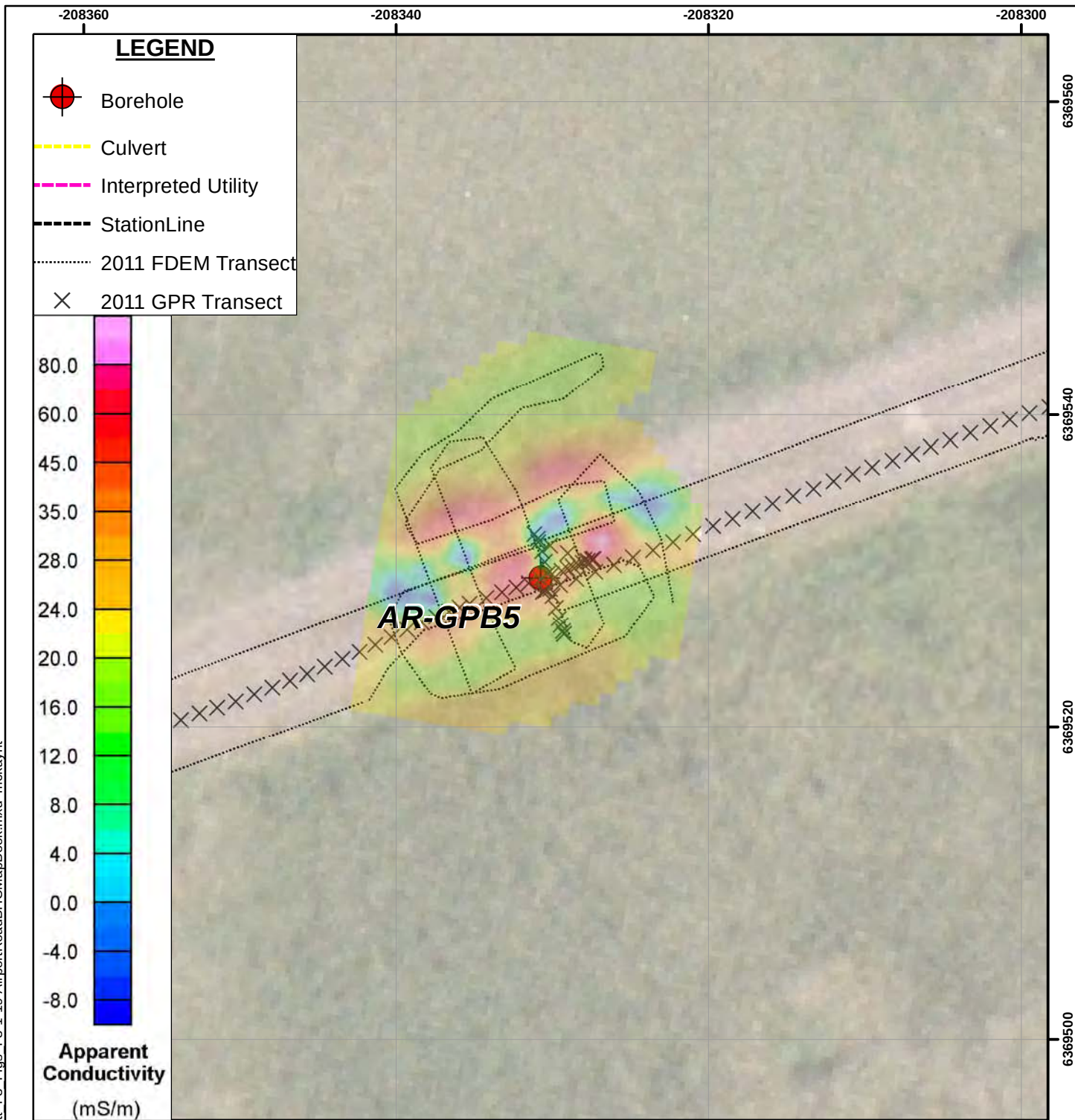
AR-GPB-4 - BOREHOLE CLEARANCE SURVEY
Airport Road
PORT HEIDEN, ALASKA

JACOBS

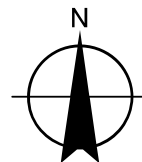
DATE:
24 Jan 2012

PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-3-4



WGS 1984 UTM Zone 4N Transverse Mercator



AR-GPB-5 - BOREHOLE CLEARANCE SURVEY
Airport Road
PORT HEIDEN, ALASKA

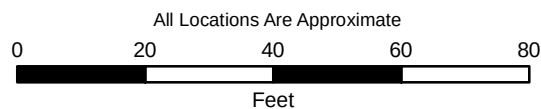
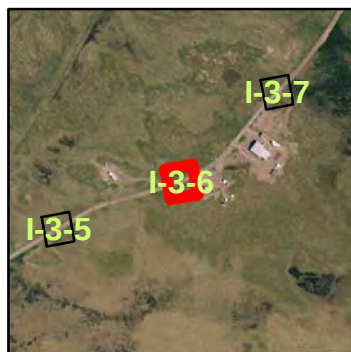
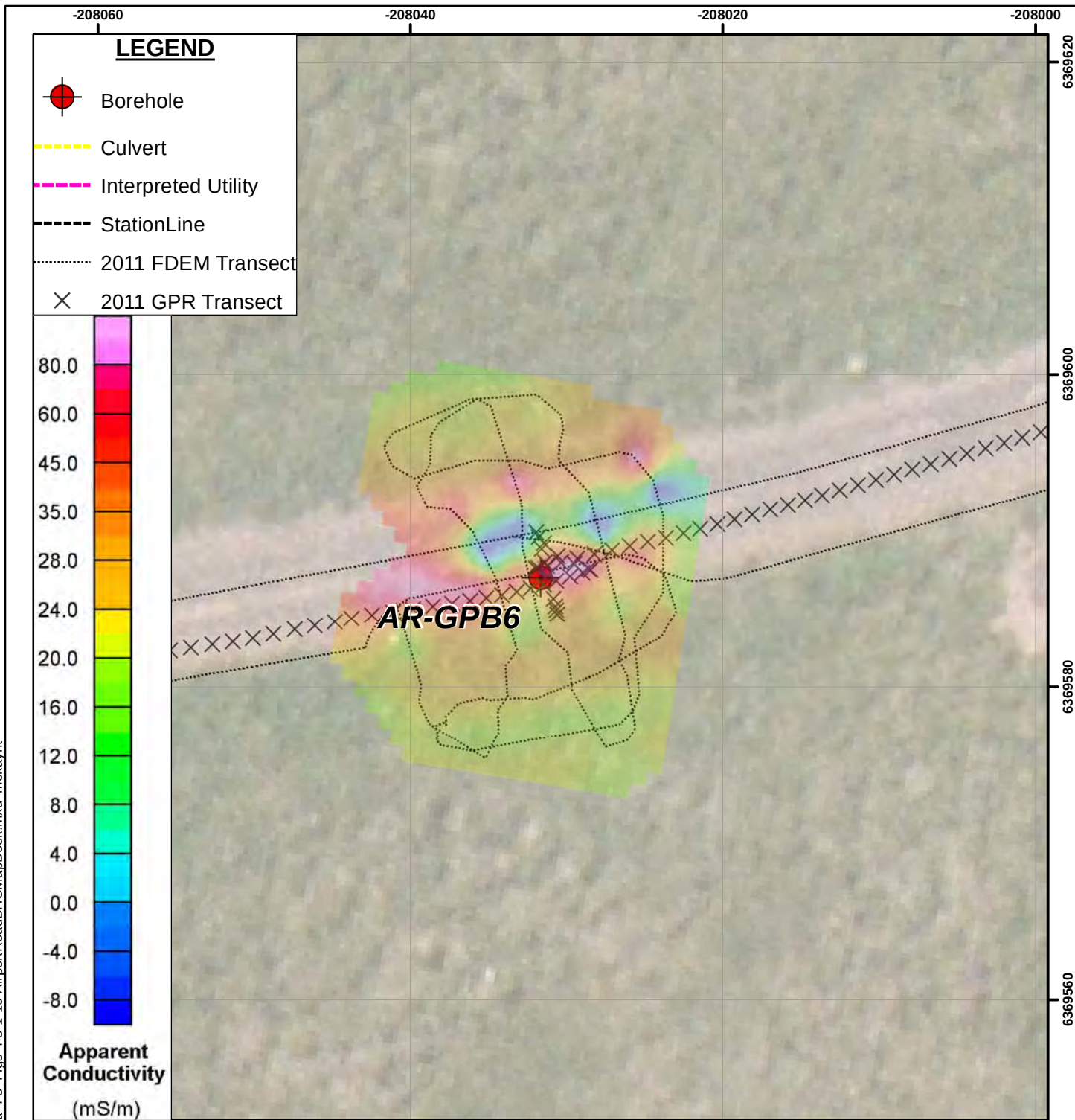
JACOBS

DATE:
24 Jan 2012

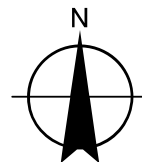
PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-3-5

P:\PortHeiden\MXD\IEECA\Ap\I-Geophysics\Ap I-Att I-3 Figs I-3-1-19-AirportRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



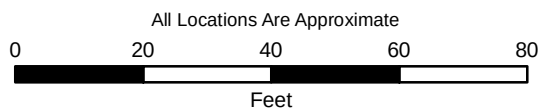
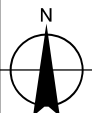
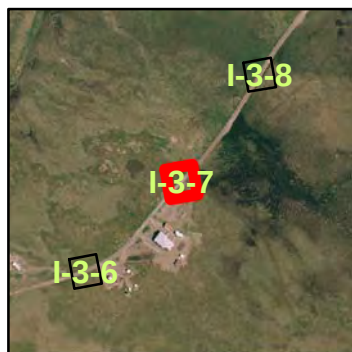
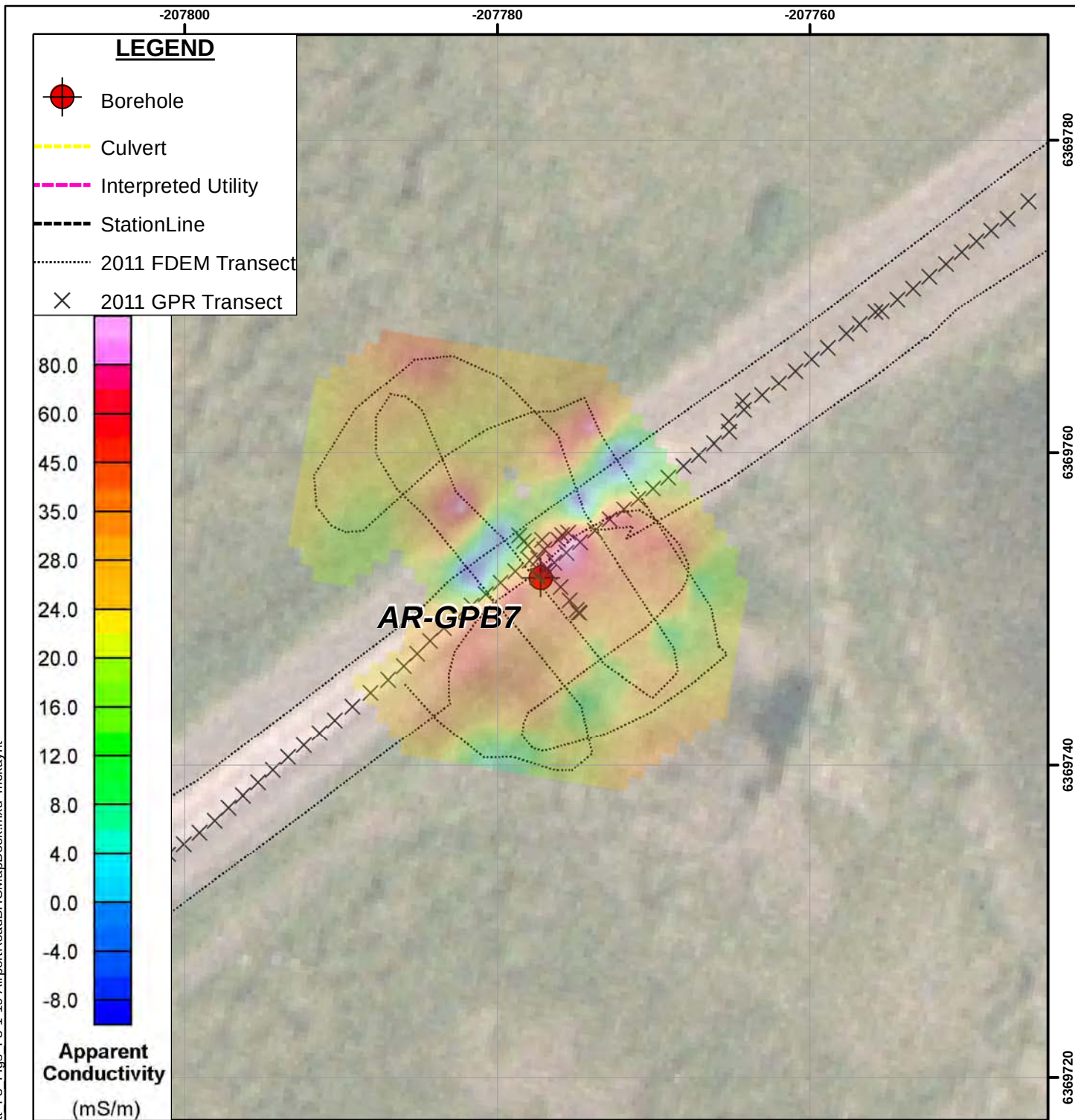
AR-GPB-6 - BOREHOLE CLEARANCE SURVEY
Airport Road
PORT HEIDEN, ALASKA

JACOBS

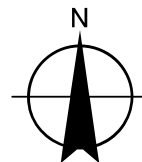
DATE:
24 Jan 2012

PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-3-6



WGS 1984 UTM Zone 4N Transverse Mercator



AR-GPB-7 - BOREHOLE CLEARANCE SURVEY
Airport Road
PORT HEIDEN, ALASKA

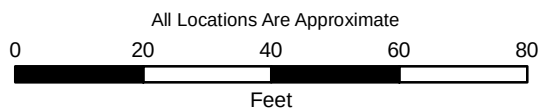
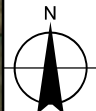
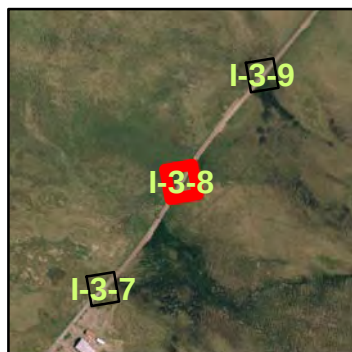
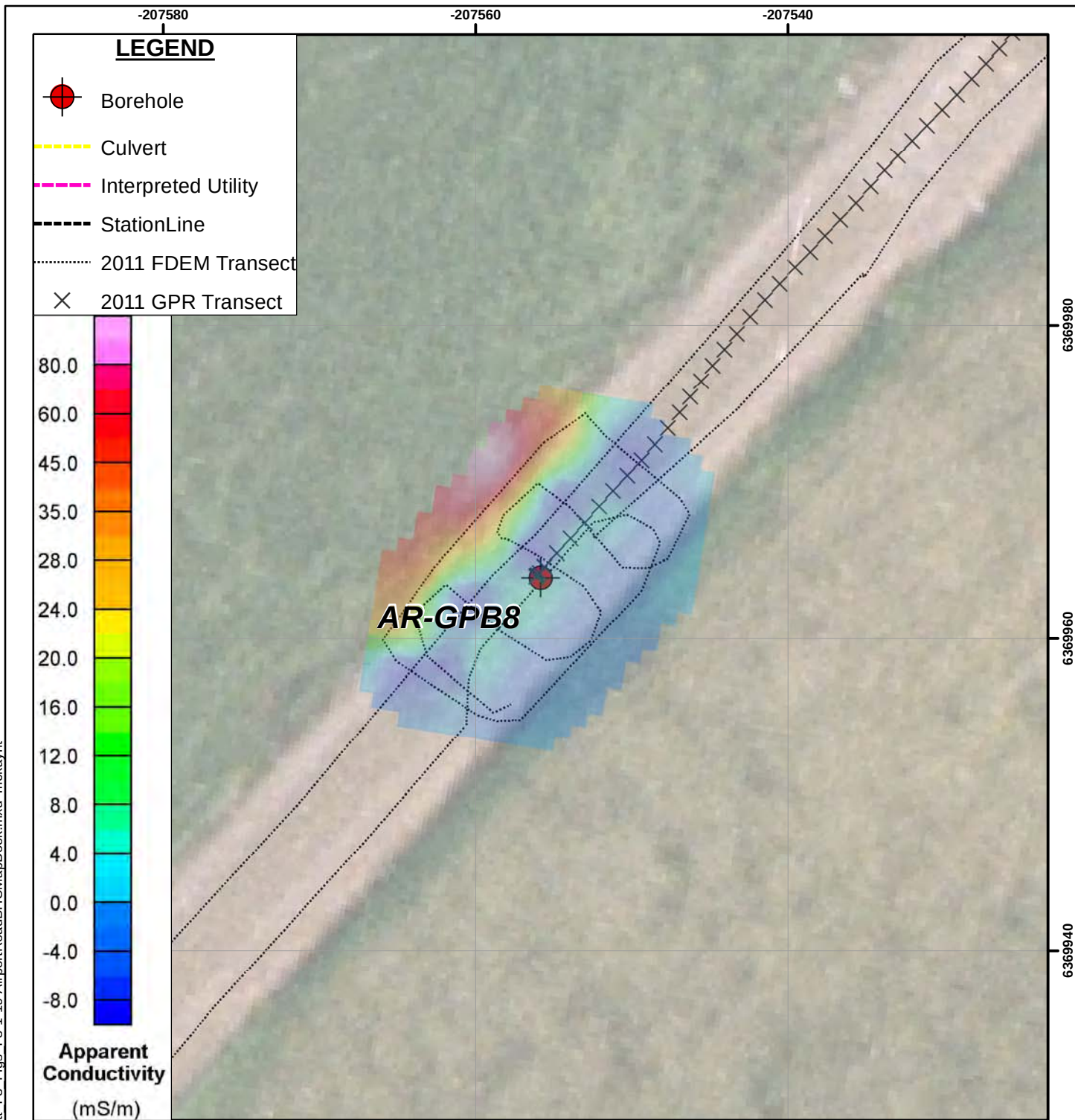
JACOBS

DATE:
24 Jan 2012

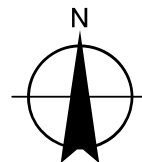
PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-3-7

P:\PortHeiden\MXD\IEECA\Ap\I\Geophysics\Ap I-Att I-3 Figs I-3-1-19-AirportRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



AR-GPB-8 - BOREHOLE CLEARANCE SURVEY
Airport Road
PORT HEIDEN, ALASKA

JACOBS

DATE:

24 Jan 2012

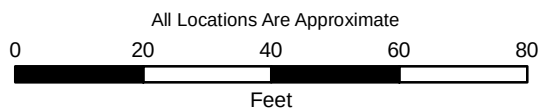
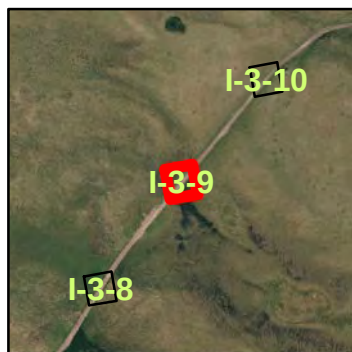
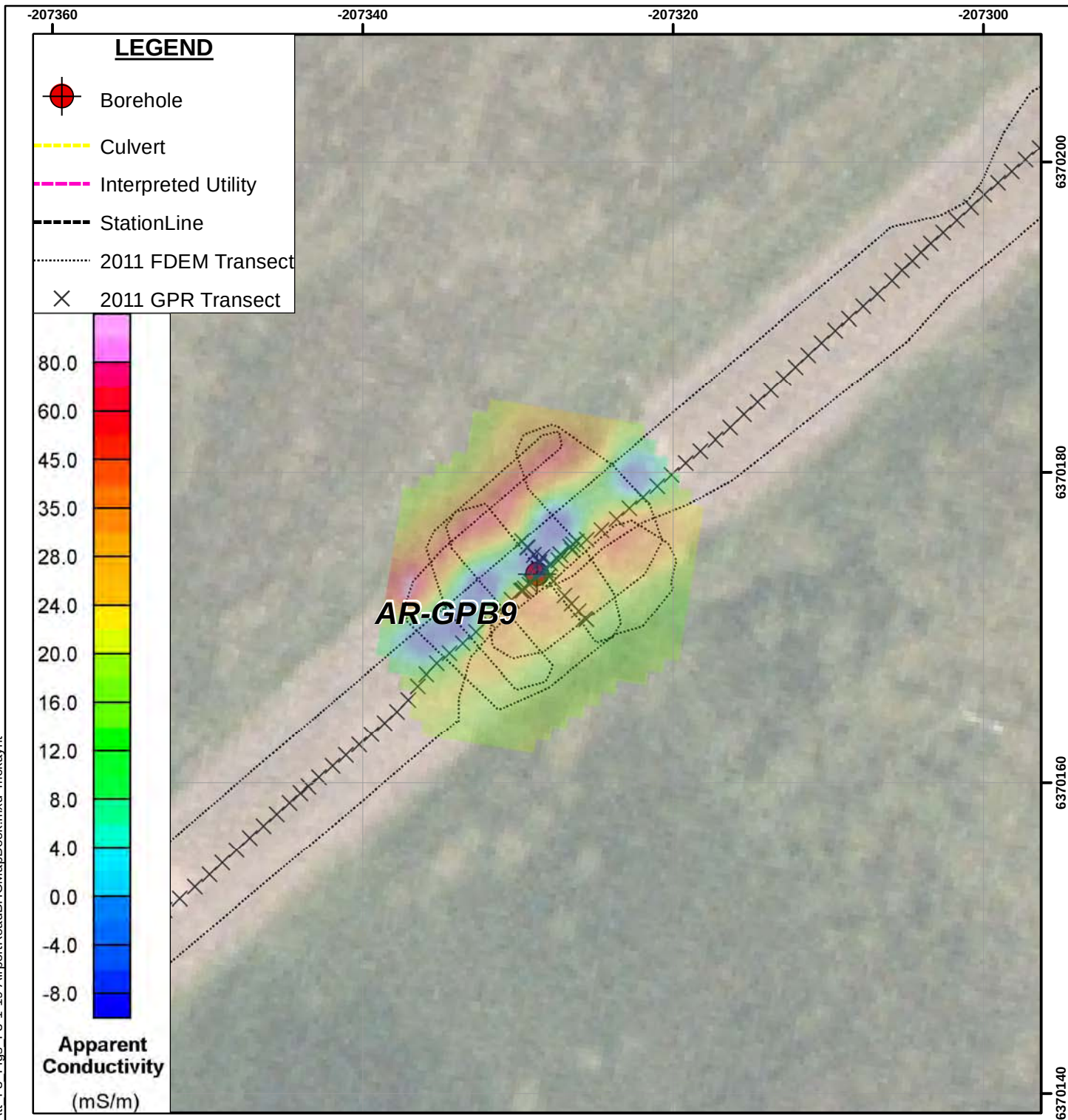
PROJECT MANAGER:

K. MCGOVERN

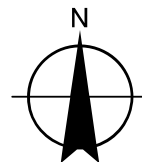
FIGURE NO:

I-3-8

P:\PortHeiden\MXD\IEECA\Ap\I-Att I-3 Figs I-3-1-19-AirportRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



AR-GPB-9 - BOREHOLE CLEARANCE SURVEY
Airport Road
PORT HEIDEN, ALASKA

JACOBS

DATE:

24 Jan 2012

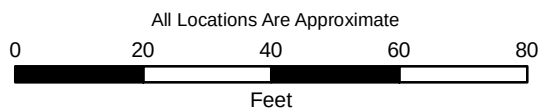
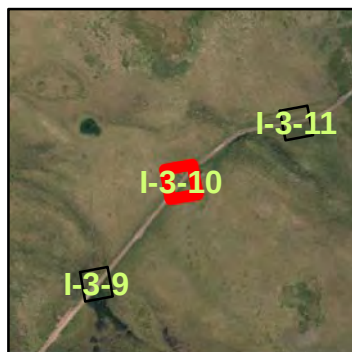
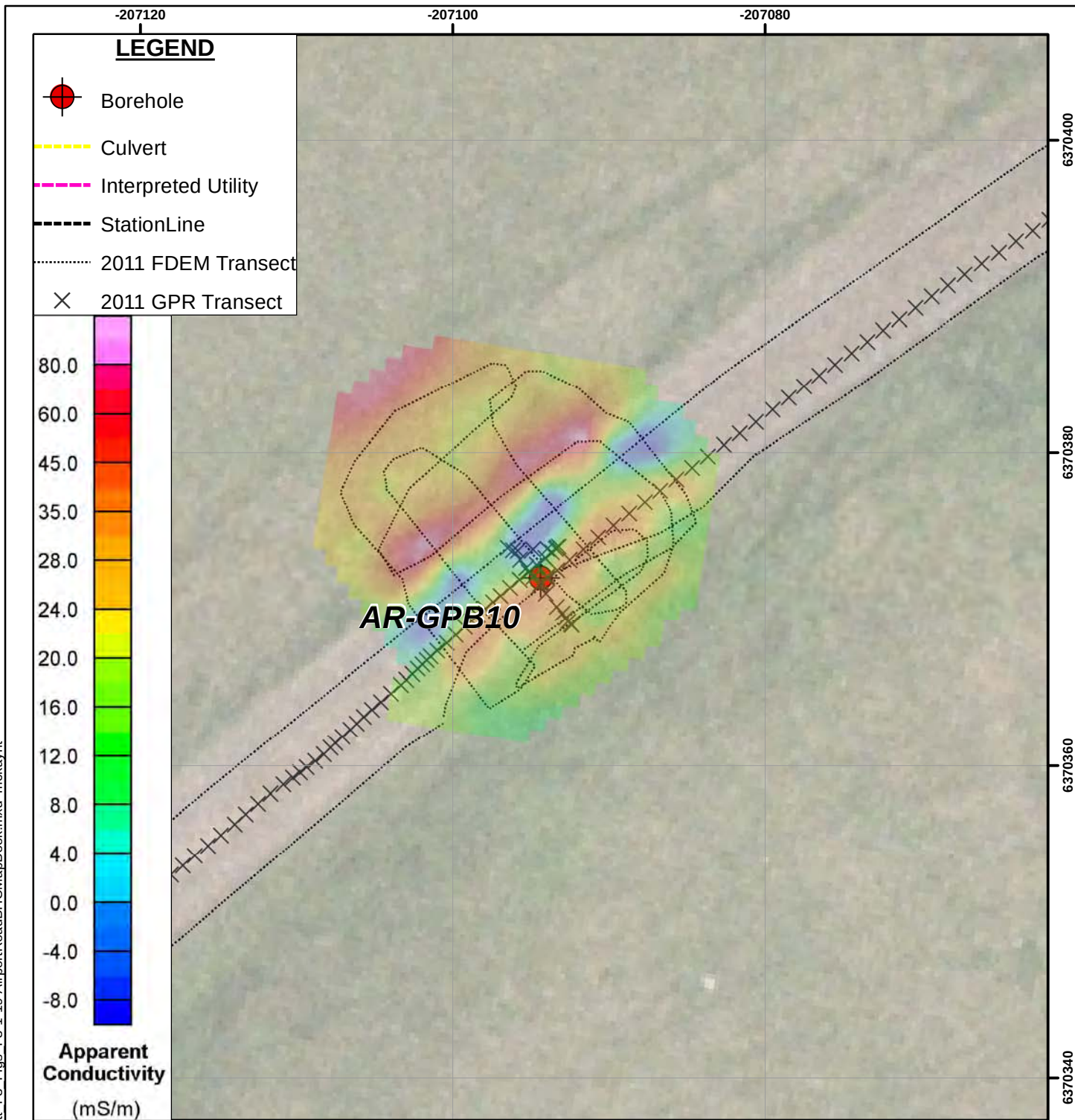
PROJECT MANAGER:

K. MCGOVERN

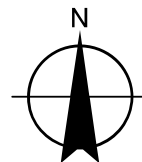
FIGURE NO:

I-3-9

P:\PortHeiden\MXD\IEECA\Map\I-Geophysics\Ap I-Att I-3 Figs I-3-1-19-AirportRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



AR-GPB-10 - BOREHOLE CLEARANCE SURVEY
Airport Road
PORT HEIDEN, ALASKA

JACOBS

DATE:

24 Jan 2012

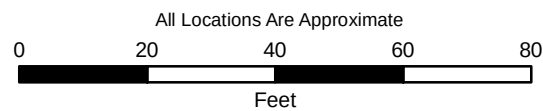
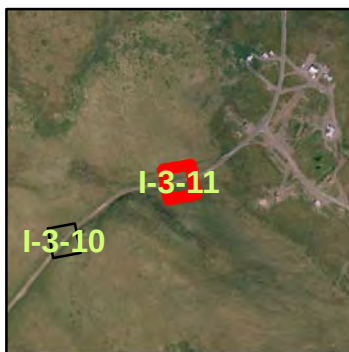
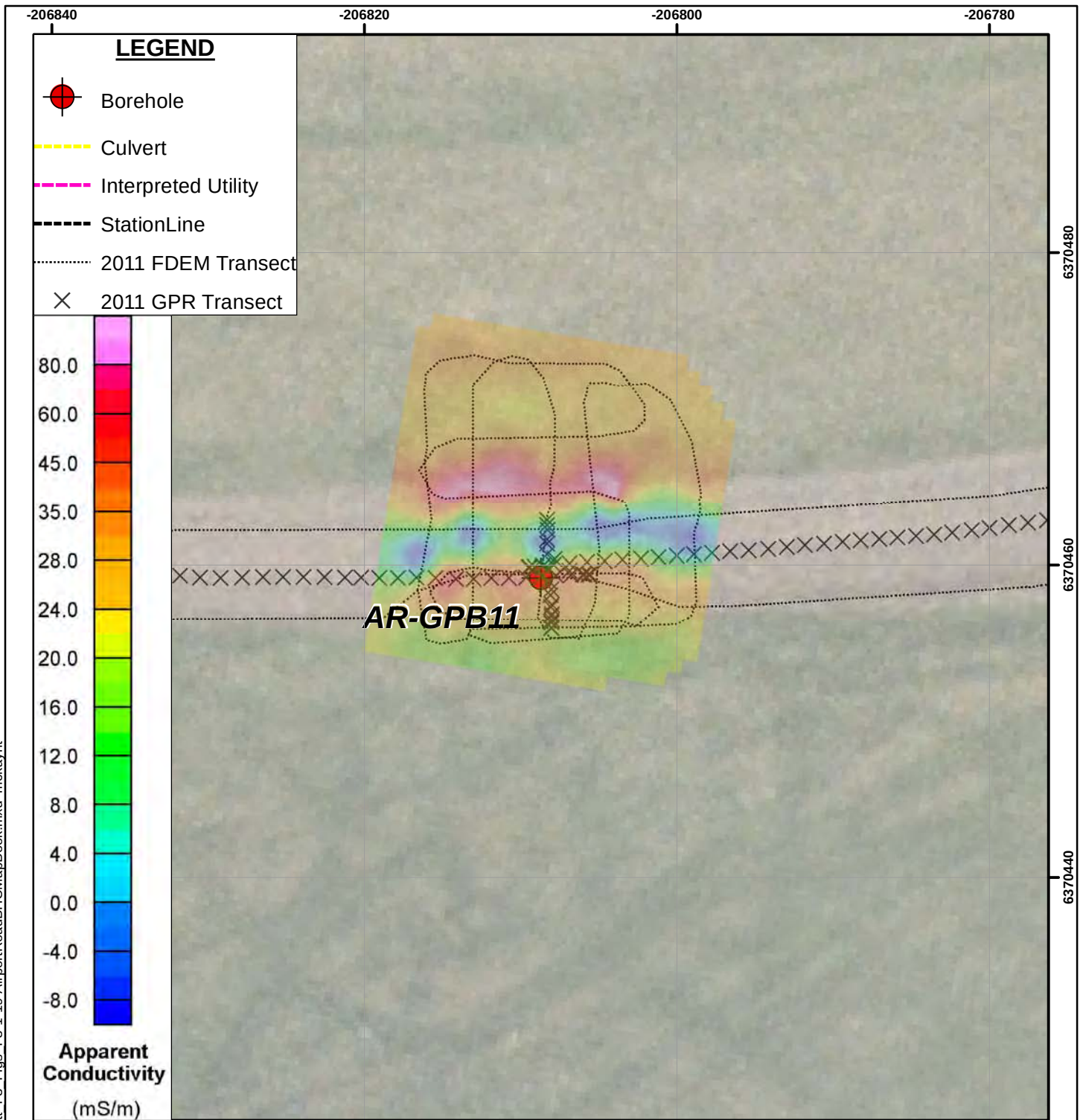
PROJECT MANAGER:

K. MCGOVERN

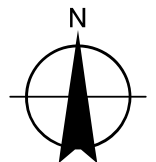
FIGURE NO:

I-3-10

P:\PortHeiden\MXD\IEECA\Ap\I-Att I-3 Figs I-3-1-19-AirportRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



AR-GPB-11 - BOREHOLE CLEARANCE SURVEY
Airport Road
PORT HEIDEN, ALASKA

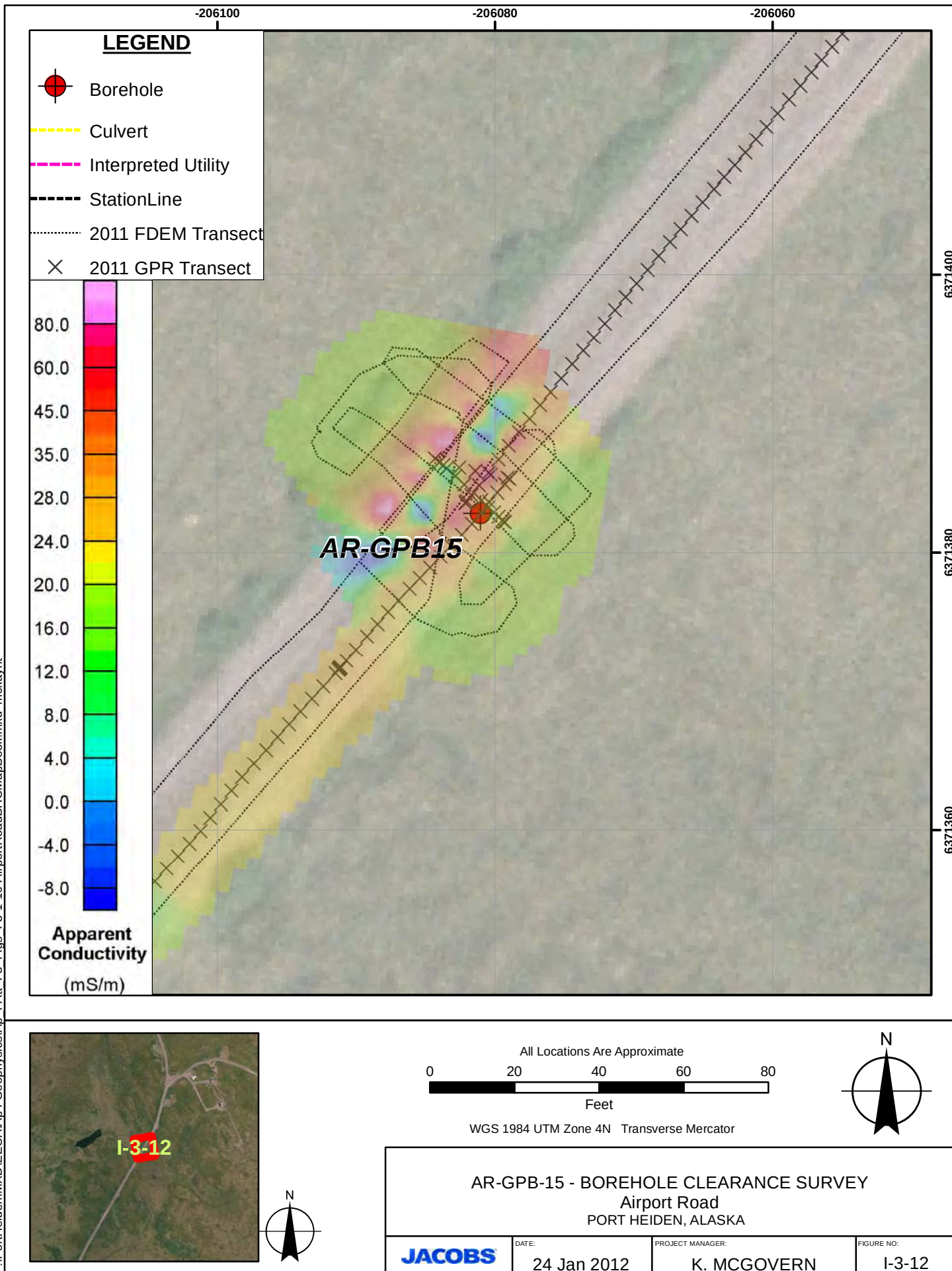
JACOBS

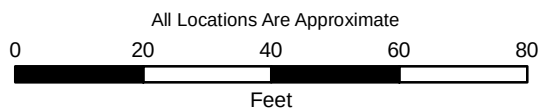
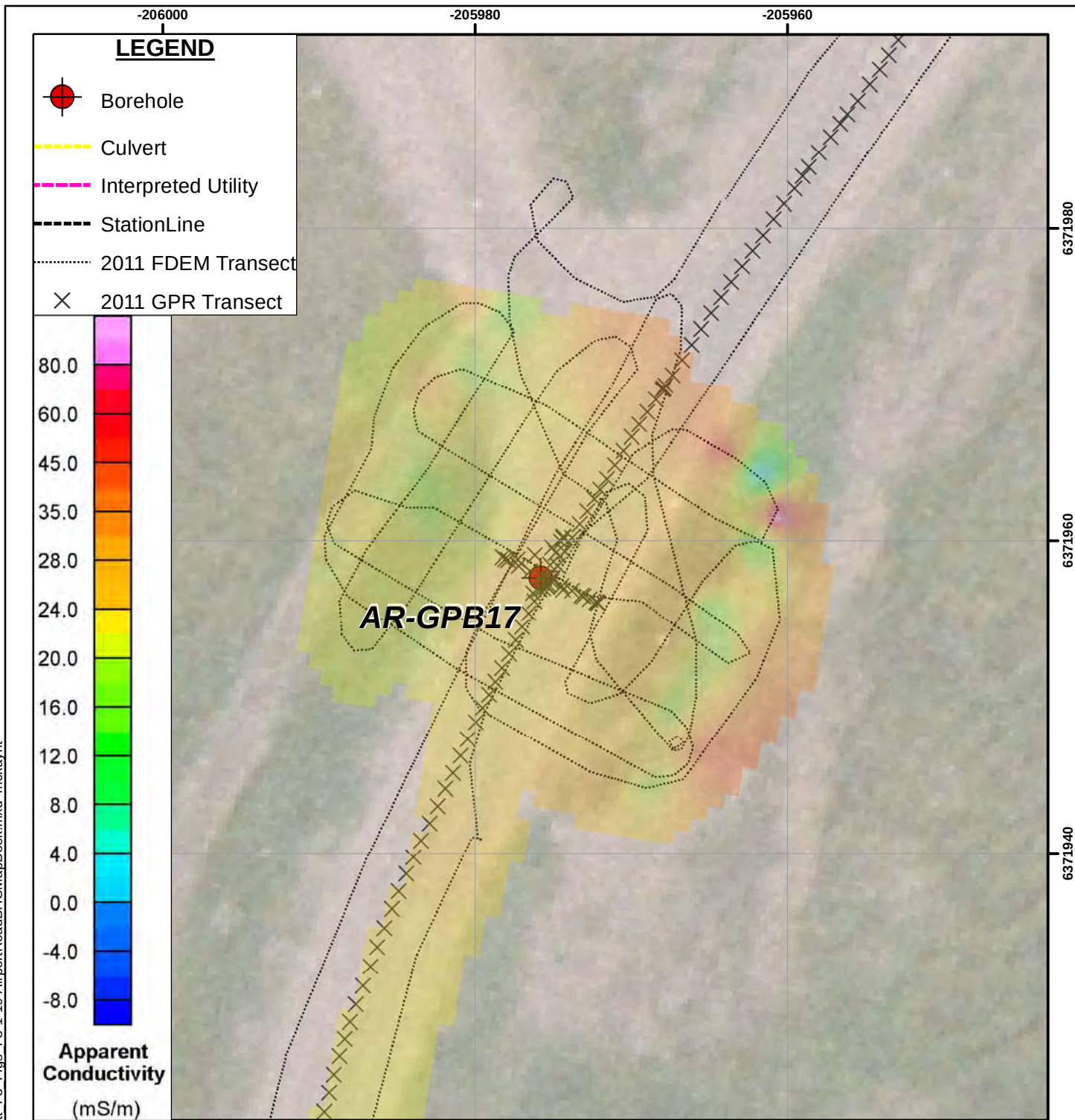
DATE:
24 Jan 2012

PROJECT MANAGER:
K. MCGOVERN

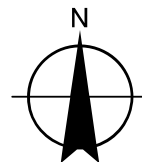
FIGURE NO:
I-3-11

P:\PortHeiden\MXD\IEECA\Ap\I-3-1-19-AirportRoadBHCMapBook.mxd mckaynt





WGS 1984 UTM Zone 4N Transverse Mercator



AR-GPB-16 - BOREHOLE CLEARANCE SURVEY
Airport Road
PORT HEIDEN, ALASKA

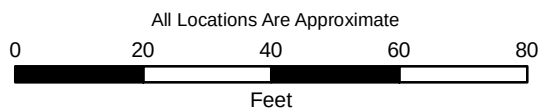
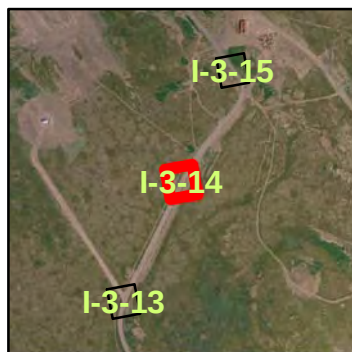
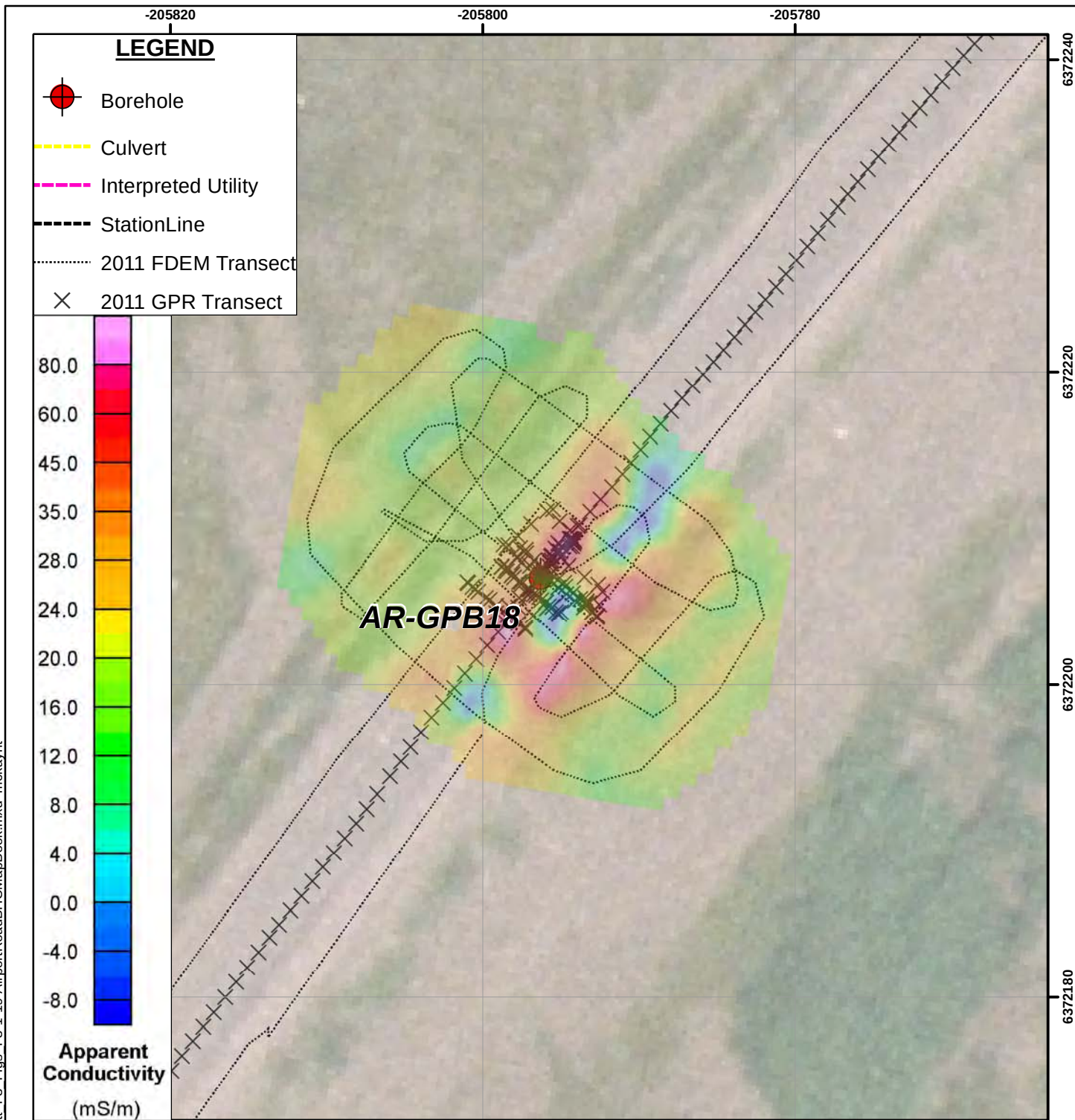
JACOBS

DATE:
24 Jan 2012

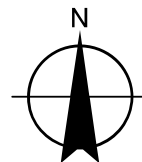
PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-3-13

P:\PortHeiden\MXD\IEECA\Ap I Geophysics\Ap I-Att I-3 Figs I-3-1-19-AirportRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



AR-GPB-18 - BOREHOLE CLEARANCE SURVEY
Airport Road
PORT HEIDEN, ALASKA

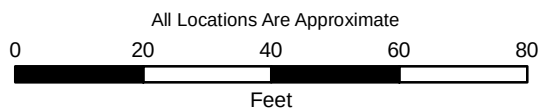
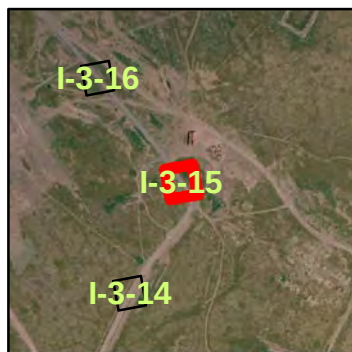
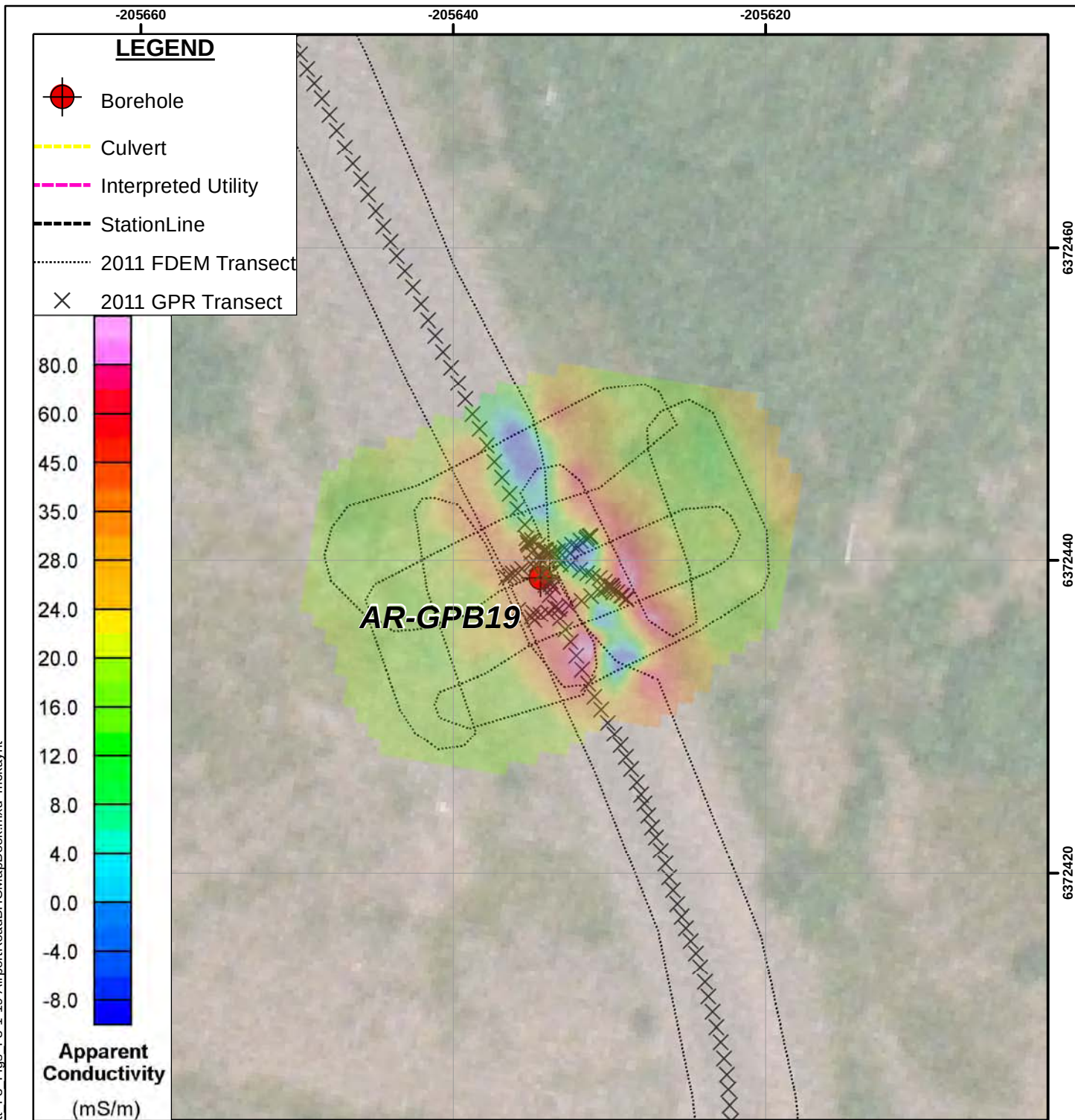
JACOBS

DATE:
24 Jan 2012

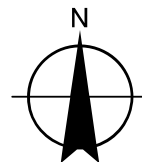
PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-3-14

P:\PortHeiden\MXD\IEECA\Ap\I\Geophysics\Ap I-Att I-3 Figs I-3-1-19-AirportRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



AR-GPB-19 - BOREHOLE CLEARANCE SURVEY
Airport Road
PORT HEIDEN, ALASKA

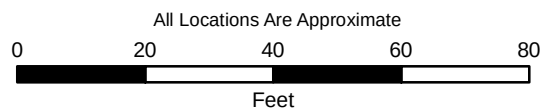
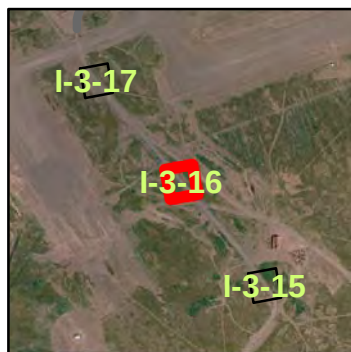
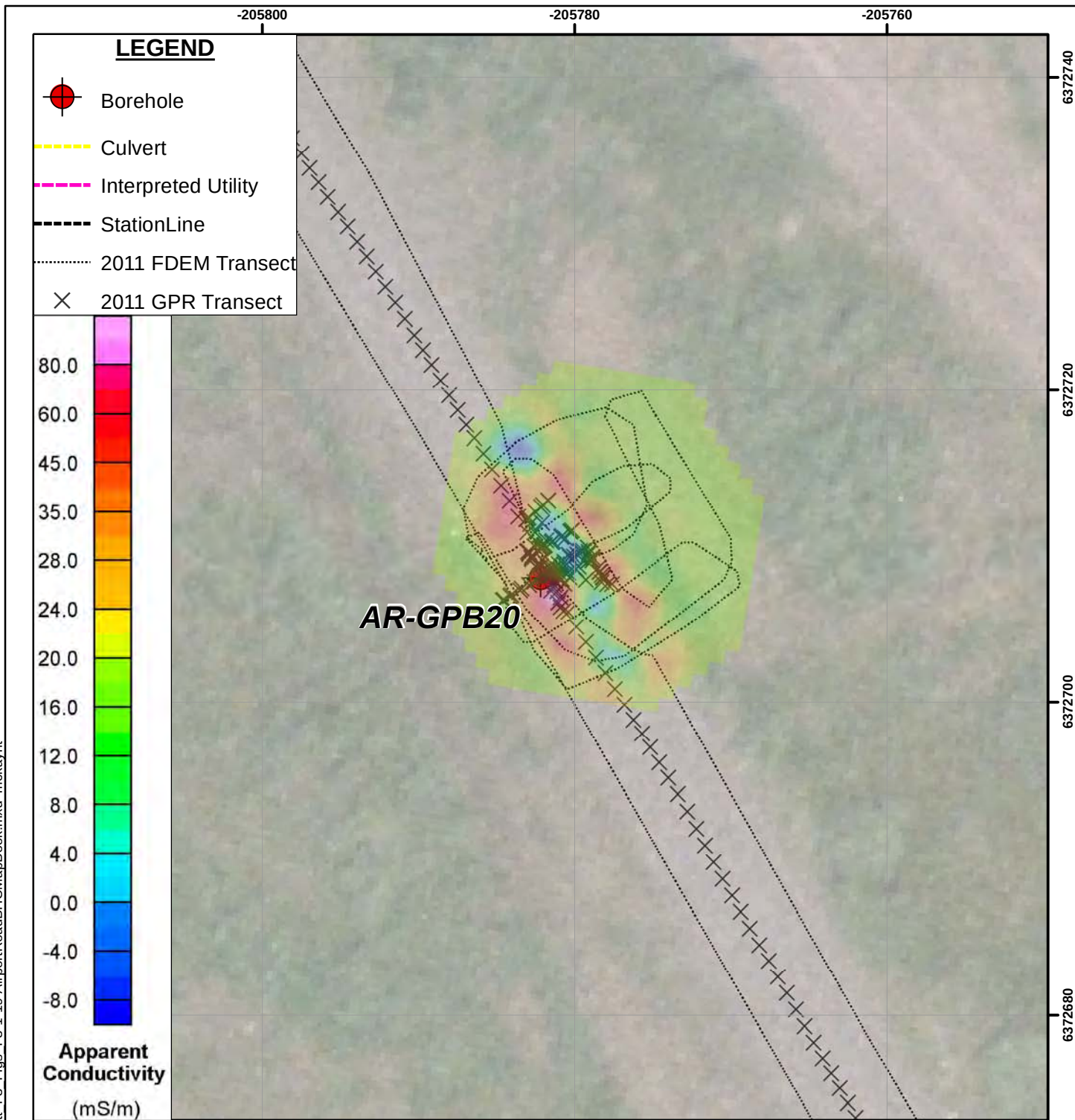
JACOBS

DATE:
24 Jan 2012

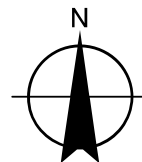
PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-3-15

P:\PortHeiden\MXD\IEECA\Ap\I-3\1-19-AirportRoad\BHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



AR-GPB-20 - BOREHOLE CLEARANCE SURVEY
Airport Road
PORT HEIDEN, ALASKA

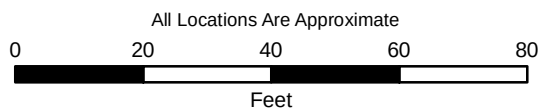
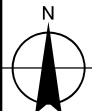
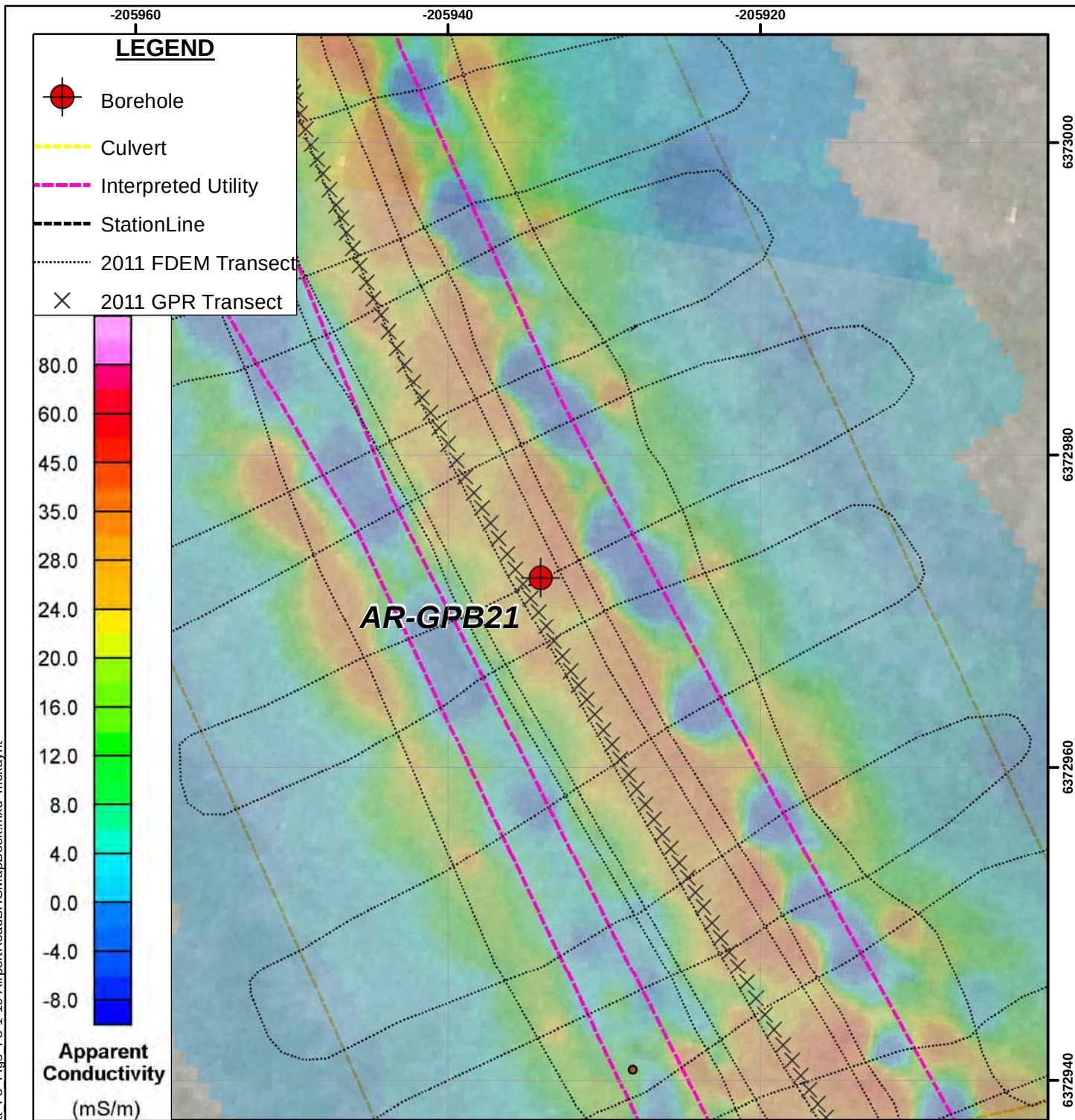
JACOBS

DATE:
24 Jan 2012

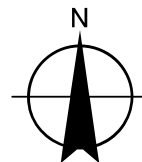
PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-3-16

P:\PortHeiden\MXD\IEECA\Ap\I-Att I-3 Figs I-3-1-19-AirportRoadBHCMapBook.mxd mckaynt



WGS 1984 UTM Zone 4N Transverse Mercator



AR-GPB-21 - BOREHOLE CLEARANCE SURVEY
Airport Road
PORT HEIDEN, ALASKA

JACOBS

DATE:
24 Jan 2012

PROJECT MANAGER:
K. MCGOVERN

FIGURE NO:
I-3-17

APPENDIX J

Field Logbooks

(provided on CD – click below to open)



APPENDIX K
Survey Data

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
ALL	PHTBM001	56.959311398	-158.633970434	44.969	Control Point TBM 001	10/10/2011 11:10:05	0.00000	0.00000	Decimal Degrees	WGS 1984	Meters	Meters
ALL	PHTBM002	56.960438524	-158.636666563	27.650	Control Point TBM 002	05/22/2011 08:40:30	0.00578	0.00967	Decimal Degrees	WGS 1984	Meters	Meters
ALL	PHTBM002	56.960438524	-158.636666562	40.934	Control Point TBM 002	10/10/2011 11:27:05	0.00000	0.00000	Decimal Degrees	WGS 1984	Meters	Meters
EECA	000	56.915302648	-158.684111377	6.160	Airport Road Centerline 1000 Foot Section Break	09/14/2011 12:18:35	0.00860	0.01319	Decimal Degrees	WGS 1984	Meters	Meters
EECA	001	56.917290915	-158.680656522	7.073	Airport Road Centerline 1000 Foot Section Break	09/14/2011 12:39:33	0.00000	0.00000	Decimal Degrees	WGS 1984	Meters	Meters
EECA	001	56.917290915	-158.680656522	7.073	Airport Road Centerline 1000 Foot Section Break	09/14/2011 12:39:33	0.00556	0.00821	Decimal Degrees	WGS 1984	Meters	Meters
EECA	002	56.919107834	-158.676884089	7.698	Airport Road Centerline 1000 Foot Section Break	09/14/2011 12:54:46	0.00716	0.01014	Decimal Degrees	WGS 1984	Meters	Meters
EECA	003	56.920996804	-158.673244846	7.179	Airport Road Centerline 1000 Foot Section Break	09/14/2011 13:04:20	0.00667	0.00934	Decimal Degrees	WGS 1984	Meters	Meters
EECA	004	56.922445772	-158.669011224	7.252	Airport Road Centerline 1000 Foot Section Break	09/14/2011 13:12:48	0.00813	0.01151	Decimal Degrees	WGS 1984	Meters	Meters
EECA	005	56.923410047	-158.664368630	9.106	Airport Road Centerline 1000 Foot Section Break	09/14/2011 13:25:01	0.00732	0.01063	Decimal Degrees	WGS 1984	Meters	Meters
EECA	006	56.925248758	-158.660734068	9.422	Airport Road Centerline 1000 Foot Section Break	09/14/2011 13:33:40	0.00611	0.00913	Decimal Degrees	WGS 1984	Meters	Meters
EECA	007	56.927449327	-158.657763191	8.661	Airport Road Centerline 1000 Foot Section Break	09/14/2011 13:42:20	0.00654	0.01068	Decimal Degrees	WGS 1984	Meters	Meters
EECA	008	56.929632929	-158.654674136	9.015	Airport Road Centerline 1000 Foot Section Break	09/14/2011 13:52:05	0.00611	0.01036	Decimal Degrees	WGS 1984	Meters	Meters
EECA	009	56.931742457	-158.651470978	9.923	Airport Road Centerline 1000 Foot Section Break	09/14/2011 14:04:42	0.00706	0.01222	Decimal Degrees	WGS 1984	Meters	Meters
EECA	010	56.932945633	-158.647115645	11.141	Airport Road Centerline 1000 Foot Section Break	09/14/2011 14:14:15	0.00635	0.01073	Decimal Degrees	WGS 1984	Meters	Meters
EECA	011	56.934696309	-158.643498581	13.570	Airport Road Centerline 1000 Foot Section Break	09/14/2011 14:25:41	0.00715	0.01187	Decimal Degrees	WGS 1984	Meters	Meters
EECA	012	56.937384822	-158.642795951	11.764	Airport Road Centerline 1000 Foot Section Break	09/14/2011 15:18:17	0.00875	0.01169	Decimal Degrees	WGS 1984	Meters	Meters
EECA	013	56.939812905	-158.640505533	15.168	Airport Road Centerline 1000 Foot Section Break	09/14/2011 15:30:47	0.00722	0.00976	Decimal Degrees	WGS 1984	Meters	Meters
EECA	014	56.942176604	-158.637972650	17.384	Airport Road Centerline 1000 Foot Section Break	09/14/2011 15:44:21	0.00758	0.01112	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0001	56.959461293	-158.638280497	23.804	Approximate Tundra Grid Flag Location	09/27/2011 14:19:12	0.00759	0.00996	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0001	56.959461293	-158.638280497	23.804	Approximate Tundra Grid Flag Location	09/27/2011 14:19:12	0.00759	0.00996	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0002	56.959490199	-158.638224574	23.856	Approximate Tundra Grid Flag Location	09/27/2011 14:19:23	0.00578	0.00757	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0002	56.959490199	-158.638224574	23.856	Approximate Tundra Grid Flag Location	09/27/2011 14:19:23	0.00578	0.00757	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0003	56.959516209	-158.638171714	23.943	Approximate Tundra Grid Flag Location	09/27/2011 14:19:31	0.00543	0.00712	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0003	56.959516209	-158.638171714	23.943	Approximate Tundra Grid Flag Location	09/27/2011 14:19:31	0.00543	0.00712	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0004	56.959546653	-158.638109206	23.985	Approximate Tundra Grid Flag Location	09/27/2011 14:19:39	0.00579	0.00758	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0004	56.959546653	-158.638109206	23.985	Approximate Tundra Grid Flag Location	09/27/2011 14:19:39	0.00579	0.00758	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0005	56.959554553	-158.638089670	24.070	Approximate Tundra Grid Flag Location	09/27/2011 14:19:46	0.00586	0.00767	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0005	56.959554553	-158.638089670	24.070	Approximate Tundra Grid Flag Location	09/27/2011 14:19:46	0.00586	0.00767	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0006	56.959570689	-158.638060020	24.052	Approximate Tundra Grid Flag Location	09/27/2011 14:19:52	0.00746	0.00976	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0006	56.959570689	-158.638060020	24.052	Approximate Tundra Grid Flag Location	09/27/2011 14:19:52	0.00746	0.00976	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0007	56.959598394	-158.638003421	24.228	Approximate Tundra Grid Flag Location	09/27/2011 14:20:01	0.00665	0.00869	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0007	56.959598394	-158.638003421	24.228	Approximate Tundra Grid Flag Location	09/27/2011 14:20:01	0.00665	0.00869	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0008	56.959627398	-158.637948521	24.769	Approximate Tundra Grid Flag Location	09/27/2011 14:20:10	0.00637	0.00833	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0008	56.959627398	-158.637948521	24.769	Approximate Tundra Grid Flag Location	09/27/2011 14:20:10	0.00637	0.00833	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0009	56.959652548	-158.637895022	24.671	Approximate Tundra Grid Flag Location	09/27/2011 14:20:20	0.00588	0.00768	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0009	56.959652548	-158.637895022	24.671	Approximate Tundra Grid Flag Location	09/27/2011 14:20:20	0.00588	0.00768	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0010	56.959718943	-158.637984448	25.569	Approximate Tundra Grid Flag Location	09/27/2011 14:20:34	0.00660	0.00862	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0010	56.959718943	-158.637984448	25.569	Approximate Tundra Grid Flag Location	09/27/2011 14:20:34	0.00660	0.00862	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0011	56.959755244	-158.638018751	25.724	Approximate Tundra Grid Flag Location	09/27/2011 14:20:43	0.00610	0.00796	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0011	56.959755244	-158.638018751	25.724	Approximate Tundra Grid Flag Location	09/27/2011 14:20:43	0.00610	0.00796	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0012	56.959788109	-158.637954940	24.809	Approximate Tundra Grid Flag Location	09/27/2011 14:20:53	0.00563	0.00735	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0012	56.959788109	-158.637954940	24.809	Approximate Tundra Grid Flag Location	09/27/2011 14:20:53	0.00563	0.00735	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0013	56.959810723	-158.637907246	24.669	Approximate Tundra Grid Flag Location	09/27/2011 14:21:01	0.00527	0.00687	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0013	56.959810723	-158.637907246	24.669	Approximate Tundra Grid Flag Location	09/27/2011 14:21:01	0.00527	0.00687	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0014	56.959835200	-158.637870126	25.042	Approximate Tundra Grid Flag Location	09/27/2011 14:21:11	0.00495	0.00644	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0014	56.959835200	-158.637870126	25.042	Approximate Tundra Grid Flag Location	09/27/2011 14:21:11	0.00495	0.00644	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0015	56.959864321	-158.637896464	25.537	Approximate Tundra Grid Flag Location	09/27/2011 14:21:20	0.00529	0.00688	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0015	56.959864321	-158.637896464	25.537	Approximate Tundra Grid Flag Location	09/27/2011 14:21:20	0.00529	0.00688	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0016	56.959858262	-158.637819820	26.125	Approximate Tundra Grid Flag Location	09/27/2011 14:21:30	0.00613	0.00798	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0016	56.959858262	-158.637819820	26.125	Approximate Tundra Grid Flag Location	09/27/2011 14:21:30	0.00613	0.00798	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0017	56.959889829	-158.637756542	25.794	Approximate Tundra Grid Flag Location	09/27/2011 14:21:39	0.00552	0.00719	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0017	56.959889829	-158.637756542	25.794	Approximate Tundra Grid Flag Location	09/27/2011 14:21:39	0.00552	0.00719	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0018	56.959912381	-158.637705280	25.808	Approximate Tundra Grid Flag Location	09/27/2011 14:21:48	0.00644	0.00837	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0018	56.959912381	-158.637705280	25.808	Approximate Tundra Grid Flag Location	09/27/2011 14:21:48	0.00644	0.00837	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0019	56.959927283	-158.637661822	25.696	Approximate Tundra Grid Flag Location	09/27/2011 14:21:56	0.00628	0.00816	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0019	56.959927283	-158.637661822	25.696	Approximate Tundra Grid Flag Location	09/27/2011 14:21:56	0.00628	0.00816	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0020	56.959965271	-158.637604969	25.926	Approximate Tundra Grid Flag Location	09/27/2011 14:22:05	0.00648	0.00843	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0020	56.959965271	-158.637604969	25.926	Approximate Tundra Grid Flag Location	09/27/2011 14:22:05	0.00648	0.00843	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0021	56.959987229	-158.637552251	25.844	Approximate Tundra Grid Flag Location	09/27/2011 14:22:14	0.00571	0.00741	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0021	56.959987229	-158.637552251	25.844	Approximate Tundra Grid Flag Location	09/27/2011 14:22:14	0.00571	0.00741	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0022	56.960010095	-158.637506373	25.997	Approximate Tundra Grid Flag Location	09/27/2011 14:22:24	0.00565	0.00733	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0022	56.960010095	-158.637506373	25.997	Approximate Tundra Grid Flag Location	09/27/2011 14:22:24	0.00565	0.00733	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0023	56.960059865	-158.637503864	25.489	Approximate Tundra Grid Flag Location	09/27/2011 14:22:37	0.00597	0.00775	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0023	56.960059865	-158.637503864	25.489	Approximate Tundra Grid Flag Location	09/27/2011 14:22:37	0.00597	0.00775	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0024	56.960116471	-158.637584509	25.622	Approximate Tundra Grid Flag Location	09/27/2011 14:22:47	0.00574	0.00744	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0024	56.960116471	-158.637584509	25.622	Approximate Tundra Grid Flag Location	09/27/2011 14:22:47	0.00574	0.00744	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0025	56.960041447	-158.637443272	25.038	Approximate Tundra Grid Flag Location	09/27/2011 14:23:02	0.00624	0.00811	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0025	56.960041447	-158.637443272	25.038	Approximate Tundra Grid Flag Location	09/27/2011 14:23:02	0.00624	0.00811	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0026	56.960070969	-158.637381662	24.440	Approximate Tundra Grid Flag Location	09/27/2011 14:23:13	0.00654	0.00850	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0026	56.960070969	-158.637381662	24.440	Approximate Tundra Grid Flag Location	09/27/2011 14:23:13	0.00654	0.00850	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0027	56.960099871	-158.637325032	24.315	Approximate Tundra Grid Flag Location	09/27/2011 14:23:23	0.00671	0.00868	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0027	56.960099871	-158.637325032	24.315	Approximate Tundra Grid Flag Location	09/27/2011 14:23:23	0.00671	0.00868	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0028	56.960117468	-158.637294146	24.207	Approximate Tundra Grid Flag Location	09/27/2011 14:23:32	0.00690	0.00893	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0028	56.960117468	-158.637294146	24.207	Approximate Tundra Grid Flag Location	09/27/2011 14:23:32	0.00690	0.00893	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0029	56.960084708	-158.637247884	24.264	Approximate Tundra Grid Flag Location	09/27/2011 14:23:44	0.00565	0.00730	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0029	56.960084708	-158.637247884	24.264	Approximate Tundra Grid Flag Location	09/27/2011 14:23:44	0.00565	0.00730	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0030	56.960050671	-158.637200433	24.332	Approximate Tundra Grid Flag Location	09/27/2011 14:23:57	0.00555	0.00717	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0030	56.960050671	-158.637200433	24.332	Approximate Tundra Grid Flag Location	09/27/2011 14:23:57	0.00555	0.00717	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0031	56.960019881	-158.637149963	24.303	Approximate Tundra Grid Flag Location	09/27/2011 14:24:06	0.00621	0.00801	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0031	56.960019881	-158.637149963	24.303	Approximate Tundra Grid Flag Location	09/27/2011 14:24:06	0.00621	0.00801	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0032	56.960047411	-158.637099516	24.223	Approximate Tundra Grid Flag Location	09/27/2011 14:24:15	0.00638	0.00823	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0032	56.960047411	-158.637099516	24.223	Approximate Tundra Grid Flag Location	09/27/2011 14:24:15	0.00638	0.00823	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0033	56.960072686	-158.637048728	24.375	Approximate Tundra Grid Flag Location	09/27/2011 14:24:23	0.00617	0.00796	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0033	56.960072686	-158.637048728	24.375	Approximate Tundra Grid Flag Location	09/27/2011 14:24:23	0.00617	0.00796	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0034	56.960098519	-158.636996748	24.363	Approximate Tundra Grid Flag Location	09/27/2011 14:24:32	0.00578	0.00745	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0034	56.960098519	-158.636996748	24.363	Approximate Tundra Grid Flag Location	09/27/2011 14:24:32	0.00578	0.00745	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0035	56.960127790	-158.637001417	24.450	Approximate Tundra Grid Flag Location	09/27/2011 14:24:40	0.00530	0.00684	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0035	56.960127790	-158.637001417	24.450	Approximate Tundra Grid Flag Location	09/27/2011 14:24:40	0.00530	0.00684	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0036	56.960170165	-158.637092258	24.431	Approximate Tundra Grid Flag Location	09/27/2011 14:24:50	0.00641	0.00827	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0036	56.960170165	-158.637092258	24.431	Approximate Tundra Grid Flag Location	09/27/2011 14:24:50	0.00641	0.00827	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0037	56.960126448	-158.636947932	24.392	Approximate Tundra Grid Flag Location	09/27/2011 14:25:03	0.00634	0.00820	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0037	56.960126448	-158.636947932	24.392	Approximate Tundra Grid Flag Location	09/27/2011 14:25:03	0.00634	0.00820	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0038	56.960153879	-158.636894633	24.636	Approximate Tundra Grid Flag Location	09/27/2011 14:25:12	0.00607	0.00782	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0038	56.960153879	-158.636894633	24.636	Approximate Tundra Grid Flag Location	09/27/2011 14:25:12	0.00607	0.00782	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0039	56.960180873	-158.636847107	25.082	Approximate Tundra Grid Flag Location	09/27/2011 14:25:21	0.00555	0.00713	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0039	56.960180873	-158.636847107	25.082	Approximate Tundra Grid Flag Location	09/27/2011 14:25:21	0.00555	0.00713	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0040	56.960202223	-158.636808343	25.688	Approximate Tundra Grid Flag Location	09/27/2011 14:25:28	0.00709	0.00913	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0040	56.960202223	-158.636808343	25.688	Approximate Tundra Grid Flag Location	09/27/2011 14:25:28	0.00709	0.00913	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0041	56.960233706	-158.636846831	25.875	Approximate Tundra Grid Flag Location	09/27/2011 14:25:37	0.00590	0.00759	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0041	56.960233706	-158.636846831	25.875	Approximate Tundra Grid Flag Location	09/27/2011 14:25:37	0.00590	0.00759	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0042	56.960263909	-158.636899257	25.654	Approximate Tundra Grid Flag Location	09/27/2011 14:25:46	0.00565	0.00727	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0042	56.960263909	-158.636899257	25.654	Approximate Tundra Grid Flag Location	09/27/2011 14:25:46	0.00565	0.00727	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0043	56.960292207	-158.636952572	25.509	Approximate Tundra Grid Flag Location	09/27/2011 14:25:56	0.00594	0.00764	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0043	56.960292207	-158.636952572	25.509	Approximate Tundra Grid Flag Location	09/27/2011 14:25:56	0.00594	0.00764	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0044	56.960313708	-158.636920599	25.661	Approximate Tundra Grid Flag Location	09/27/2011 14:26:03	0.00673	0.00865	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0044	56.960313708	-158.636920599	25.661	Approximate Tundra Grid Flag Location	09/27/2011 14:26:03	0.00673	0.00865	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0045	56.960341585	-158.636870201	26.243	Approximate Tundra Grid Flag Location	09/27/2011 14:26:13	0.00610	0.00784	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0045	56.960341585	-158.636870201	26.243	Approximate Tundra Grid Flag Location	09/27/2011 14:26:13	0.00610	0.00784	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0046	56.960367247	-158.636840926	26.896	Approximate Tundra Grid Flag Location	09/27/2011 14:26:20	0.00518	0.00666	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0046	56.960367247	-158.636840926	26.896	Approximate Tundra Grid Flag Location	09/27/2011 14:26:20	0.00518	0.00666	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0047	56.960390180	-158.636893097	26.349	Approximate Tundra Grid Flag Location	09/27/2011 14:26:29	0.00572	0.00735	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0047	56.960390180	-158.636893097	26.349	Approximate Tundra Grid Flag Location	09/27/2011 14:26:29	0.00572	0.00735	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0048	56.960431784	-158.637009147	25.878	Approximate Tundra Grid Flag Location	09/27/2011 14:26:39	0.00819	0.01052	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0048	56.960431784	-158.637009147	25.878	Approximate Tundra Grid Flag Location	09/27/2011 14:26:39	0.00819	0.01052	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0049	56.960389772	-158.636817660	26.901	Approximate Tundra Grid Flag Location	09/27/2011 14:27:16	0.00544	0.00698	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0049	56.960389772	-158.636817660	26.901	Approximate Tundra Grid Flag Location	09/27/2011 14:27:16	0.00544	0.00698	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0050	56.960428506	-158.636785851	27.151	Approximate Tundra Grid Flag Location	09/27/2011 14:27:28	0.00549	0.00705	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0050	56.960428506	-158.636785851	27.151	Approximate Tundra Grid Flag Location	09/27/2011 14:27:28	0.00549	0.00705	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0051	56.960470485	-158.636736411	27.385	Approximate Tundra Grid Flag Location	09/27/2011 14:27:39	0.00562	0.00720	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0051	56.960470485	-158.636736411	27.385	Approximate Tundra Grid Flag Location	09/27/2011 14:27:39	0.00562	0.00720	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0052	56.960513154	-158.636698479	26.624	Approximate Tundra Grid Flag Location	09/27/2011 14:27:49	0.00535	0.00686	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0052	56.960513154	-158.636698479	26.624	Approximate Tundra Grid Flag Location	09/27/2011 14:27:49	0.00535	0.00686	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0053	56.960552162	-158.636660479	27.450	Approximate Tundra Grid Flag Location	09/27/2011 14:27:59	0.00601	0.00770	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0053	56.960552162	-158.636660479	27.450	Approximate Tundra Grid Flag Location	09/27/2011 14:27:59	0.00601	0.00770	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0054	56.960584050	-158.636653806	26.732	Approximate Tundra Grid Flag Location	09/27/2011 14:28:10	0.00509	0.00652	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0054	56.960584050	-158.636653806	26.732	Approximate Tundra Grid Flag Location	09/27/2011 14:28:10	0.00509	0.00652	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0055	56.960598601	-158.636727790	26.716	Approximate Tundra Grid Flag Location	09/27/2011 14:28:29	0.00592	0.00759	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0055	56.960598601	-158.636727790	26.716	Approximate Tundra Grid Flag Location	09/27/2011 14:28:29	0.00592	0.00759	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0056	56.960645752	-158.636636461	25.705	Approximate Tundra Grid Flag Location	09/27/2011 14:29:22	0.00588	0.00753	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0056	56.960645752	-158.636636461	25.705	Approximate Tundra Grid Flag Location	09/27/2011 14:29:22	0.00588	0.00753	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0057	56.960630724	-158.636638047	25.937	Approximate Tundra Grid Flag Location	09/27/2011 14:29:33	0.00519	0.00665	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0057	56.960630724	-158.636638047	25.937	Approximate Tundra Grid Flag Location	09/27/2011 14:29:33	0.00519	0.00665	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0058	56.960611978	-158.636646209	26.237	Approximate Tundra Grid Flag Location	09/27/2011 14:29:45	0.00528	0.00675	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0058	56.960611978	-158.636646209	26.237	Approximate Tundra Grid Flag Location	09/27/2011 14:29:45	0.00528	0.00675	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0059	56.960663365	-158.636644386	25.478	Approximate Tundra Grid Flag Location	09/27/2011 14:30:08	0.00672	0.00860	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0059	56.960663365	-158.636644386	25.478	Approximate Tundra Grid Flag Location	09/27/2011 14:30:08	0.00672	0.00860	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0060	56.960691886	-158.636627224	25.265	Approximate Tundra Grid Flag Location	09/27/2011 14:30:21	0.00603	0.00771	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0060	56.960691886	-158.636627224	25.265	Approximate Tundra Grid Flag Location	09/27/2011 14:30:21	0.00603	0.00771	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0061	56.960735016	-158.636620665	25.155	Approximate Tundra Grid Flag Location	09/27/2011 14:30:32	0.00582	0.00744	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0061	56.960735016	-158.636620665	25.155	Approximate Tundra Grid Flag Location	09/27/2011 14:30:32	0.00582	0.00744	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0062	56.960761995	-158.636690070	25.246	Approximate Tundra Grid Flag Location	09/27/2011 14:30:42	0.00545	0.00697	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0062	56.960761995	-158.636690070	25.246	Approximate Tundra Grid Flag Location	09/27/2011 14:30:42	0.00545	0.00697	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0063	56.960760472	-158.636815391	25.306	Approximate Tundra Grid Flag Location	09/27/2011 14:30:54	0.00589	0.00754	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0063	56.960760472	-158.636815391	25.306	Approximate Tundra Grid Flag Location	09/27/2011 14:30:54	0.00589	0.00754	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0064	56.960767693	-158.636615641	25.225	Approximate Tundra Grid Flag Location	09/27/2011 14:31:10	0.00600	0.00767	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0064	56.960767693	-158.636615641	25.225	Approximate Tundra Grid Flag Location	09/27/2011 14:31:10	0.00600	0.00767	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0065	56.960793516	-158.636611847	25.276	Approximate Tundra Grid Flag Location	09/27/2011 14:31:23	0.00609	0.00779	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0065	56.960793516	-158.636611847	25.276	Approximate Tundra Grid Flag Location	09/27/2011 14:31:23	0.00609	0.00779	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0066	56.960848958	-158.636606891	25.006	Approximate Tundra Grid Flag Location	09/27/2011 14:31:32	0.00664	0.00847	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0066	56.960848958	-158.636606891	25.006	Approximate Tundra Grid Flag Location	09/27/2011 14:31:32	0.00664	0.00847	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0067	56.960877291	-158.636609193	24.985	Approximate Tundra Grid Flag Location	09/27/2011 14:31:46	0.00540	0.00690	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0067	56.960877291	-158.636609193	24.985	Approximate Tundra Grid Flag Location	09/27/2011 14:31:46	0.00540	0.00690	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0068	56.960895026	-158.636597604	25.232	Approximate Tundra Grid Flag Location	09/27/2011 14:31:53	0.00573	0.00732	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0068	56.960895026	-158.636597604	25.232	Approximate Tundra Grid Flag Location	09/27/2011 14:31:53	0.00573	0.00732	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0069	56.960924030	-158.636598030	25.497	Approximate Tundra Grid Flag Location	09/27/2011 14:32:01	0.00597	0.00762	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0069	56.960924030	-158.636598030	25.497	Approximate Tundra Grid Flag Location	09/27/2011 14:32:01	0.00597	0.00762	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0070	56.960962873	-158.636607918	25.405	Approximate Tundra Grid Flag Location	09/27/2011 14:32:11	0.00506	0.00647	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0070	56.960962873	-158.636607918	25.405	Approximate Tundra Grid Flag Location	09/27/2011 14:32:11	0.00506	0.00647	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0071	56.961014245	-158.636604802	24.844	Approximate Tundra Grid Flag Location	09/27/2011 14:32:22	0.00544	0.00694	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0071	56.961014245	-158.636604802	24.844	Approximate Tundra Grid Flag Location	09/27/2011 14:32:22	0.00544	0.00694	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0072	56.961022670	-158.636674073	24.521	Approximate Tundra Grid Flag Location	09/27/2011 14:32:33	0.00600	0.00766	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0072	56.961022670	-158.636674073	24.521	Approximate Tundra Grid Flag Location	09/27/2011 14:32:33	0.00600	0.00766	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0073	56.961064087	-158.636613829	24.171	Approximate Tundra Grid Flag Location	09/27/2011 14:32:52	0.00533	0.00680	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0073	56.961064087	-158.636613829	24.171	Approximate Tundra Grid Flag Location	09/27/2011 14:32:52	0.00533	0.00680	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0074	56.961096641	-158.636623526	23.974	Approximate Tundra Grid Flag Location	09/27/2011 14:33:01	0.00578	0.00738	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0074	56.961096641	-158.636623526	23.974	Approximate Tundra Grid Flag Location	09/27/2011 14:33:01	0.00578	0.00738	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0075	56.961139683	-158.636619898	23.947	Approximate Tundra Grid Flag Location	09/27/2011 14:33:11	0.00602	0.00769	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0075	56.961139683	-158.636619898	23.947	Approximate Tundra Grid Flag Location	09/27/2011 14:33:11	0.00602	0.00769	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0076	56.961168454	-158.636627259	23.670	Approximate Tundra Grid Flag Location	09/27/2011 14:33:19	0.00566	0.00725	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0076	56.961168454	-158.636627259	23.670	Approximate Tundra Grid Flag Location	09/27/2011 14:33:19	0.00566	0.00725	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0077	56.961202756	-158.636636402	23.672	Approximate Tundra Grid Flag Location	09/27/2011 14:33:27	0.00592	0.00755	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0077	56.961202756	-158.636636402	23.672	Approximate Tundra Grid Flag Location	09/27/2011 14:33:27	0.00592	0.00755	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0078	56.961237914	-158.636640172	23.650	Approximate Tundra Grid Flag Location	09/27/2011 14:33:35	0.00555	0.00708	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0078	56.961237914	-158.636640172	23.650	Approximate Tundra Grid Flag Location	09/27/2011 14:33:35	0.00555	0.00708	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0079	56.961270433	-158.636648926	23.646	Approximate Tundra Grid Flag Location	09/27/2011 14:33:44	0.00574	0.00733	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0079	56.961270433	-158.636648926	23.646	Approximate Tundra Grid Flag Location	09/27/2011 14:33:44	0.00574	0.00733	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0080	56.961283359	-158.636720942	23.897	Approximate Tundra Grid Flag Location	09/27/2011 14:33:53	0.00585	0.00748	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0080	56.961283359	-158.636720942	23.897	Approximate Tundra Grid Flag Location	09/27/2011 14:33:53	0.00585	0.00748	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0081	56.961322709	-158.636667064	23.986	Approximate Tundra Grid Flag Location	09/27/2011 14:34:07	0.00749	0.00955	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0081	56.961322709	-158.636667064	23.986	Approximate Tundra Grid Flag Location	09/27/2011 14:34:07	0.00749	0.00955	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0082	56.961369972	-158.636672479	24.271	Approximate Tundra Grid Flag Location	09/27/2011 14:34:19	0.00558	0.00714	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0082	56.961369972	-158.636672479	24.271	Approximate Tundra Grid Flag Location	09/27/2011 14:34:19	0.00558	0.00714	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0083	56.961408632	-158.636682584	24.460	Approximate Tundra Grid Flag Location	09/27/2011 14:34:28	0.00657	0.00837	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0083	56.961408632	-158.636682584	24.460	Approximate Tundra Grid Flag Location	09/27/2011 14:34:28	0.00657	0.00837	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0084	56.961442062	-158.636697957	24.589	Approximate Tundra Grid Flag Location	09/27/2011 14:34:37	0.00537	0.00684	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0084	56.961442062	-158.636697957	24.589	Approximate Tundra Grid Flag Location	09/27/2011 14:34:37	0.00537	0.00684	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0085	56.961471026	-158.636713072	24.384	Approximate Tundra Grid Flag Location	09/27/2011 14:34:45	0.00557	0.00712	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0085	56.961471026	-158.636713072	24.384	Approximate Tundra Grid Flag Location	09/27/2011 14:34:45	0.00557	0.00712	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0086	56.961507690	-158.636729813	24.276	Approximate Tundra Grid Flag Location	09/27/2011 14:34:54	0.00522	0.00669	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0086	56.961507690	-158.636729813	24.276	Approximate Tundra Grid Flag Location	09/27/2011 14:34:54	0.00522	0.00669	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0087	56.961546389	-158.636734950	24.064	Approximate Tundra Grid Flag Location	09/27/2011 14:35:03	0.00530	0.00677	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0087	56.961546389	-158.636734950	24.064	Approximate Tundra Grid Flag Location	09/27/2011 14:35:03	0.00530	0.00677	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0088	56.961546014	-158.636803208	24.090	Approximate Tundra Grid Flag Location	09/27/2011 14:35:12	0.00518	0.00662	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0088	56.961546014	-158.636803208	24.090	Approximate Tundra Grid Flag Location	09/27/2011 14:35:12	0.00518	0.00662	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0089	56.961546341	-158.636938416	24.094	Approximate Tundra Grid Flag Location	09/27/2011 14:35:23	0.00580	0.00741	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0089	56.961546341	-158.636938416	24.094	Approximate Tundra Grid Flag Location	09/27/2011 14:35:23	0.00580	0.00741	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0090	56.961568712	-158.636698598	23.933	Approximate Tundra Grid Flag Location	09/27/2011 14:35:42	0.00687	0.00871	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0090	56.961568712	-158.636698598	23.933	Approximate Tundra Grid Flag Location	09/27/2011 14:35:42	0.00687	0.00871	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0091	56.961570342	-158.636567858	23.675	Approximate Tundra Grid Flag Location	09/27/2011 14:35:55	0.00599	0.00751	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0091	56.961570342	-158.636567858	23.675	Approximate Tundra Grid Flag Location	09/27/2011 14:35:55	0.00599	0.00751	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0092	56.961566686	-158.636438289	23.577	Approximate Tundra Grid Flag Location	09/27/2011 14:36:13	0.00544	0.00696	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0092	56.961566686	-158.636438289	23.577	Approximate Tundra Grid Flag Location	09/27/2011 14:36:13	0.00544	0.00696	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0093	56.961558285	-158.636511418	23.701	Approximate Tundra Grid Flag Location	09/27/2011 14:36:22	0.00576	0.00737	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0093	56.961558285	-158.636511418	23.701	Approximate Tundra Grid Flag Location	09/27/2011 14:36:22	0.00576	0.00737	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0094	56.961553302	-158.636586090	23.998	Approximate Tundra Grid Flag Location	09/27/2011 14:36:32	0.00606	0.00775	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0094	56.961553302	-158.636586090	23.998	Approximate Tundra Grid Flag Location	09/27/2011 14:36:32	0.00606	0.00775	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0095	56.961544296	-158.636665591	23.924	Approximate Tundra Grid Flag Location	09/27/2011 14:36:45	0.00556	0.00710	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0095	56.961544296	-158.636665591	23.924	Approximate Tundra Grid Flag Location	09/27/2011 14:36:45	0.00556	0.00710	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0096	56.961510115	-158.636654107	23.795	Approximate Tundra Grid Flag Location	09/27/2011 14:36:56	0.00796	0.01013	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0096	56.961510115	-158.636654107	23.795	Approximate Tundra Grid Flag Location	09/27/2011 14:36:56	0.00796	0.01013	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0097	56.961513369	-158.636574785	23.970	Approximate Tundra Grid Flag Location	09/27/2011 14:37:05	0.00612	0.00778	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0097	56.961513369	-158.636574785	23.970	Approximate Tundra Grid Flag Location	09/27/2011 14:37:05	0.00612	0.00778	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0098	56.961517657	-158.636499226	23.674	Approximate Tundra Grid Flag Location	09/27/2011 14:37:13	0.00549	0.00698	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0098	56.961517657	-158.636499226	23.674	Approximate Tundra Grid Flag Location	09/27/2011 14:37:13	0.00549	0.00698	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0099	56.961525271	-158.636424772	23.484	Approximate Tundra Grid Flag Location	09/27/2011 14:37:23	0.00528	0.00671	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0099	56.961525271	-158.636424772	23.484	Approximate Tundra Grid Flag Location	09/27/2011 14:37:23	0.00528	0.00671	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0100	56.961485039	-158.636409878	23.501	Approximate Tundra Grid Flag Location	09/27/2011 14:37:32	0.00515	0.00654	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0100	56.961485039	-158.636409878	23.501	Approximate Tundra Grid Flag Location	09/27/2011 14:37:32	0.00515	0.00654	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0101	56.961479627	-158.636481448	23.775	Approximate Tundra Grid Flag Location	09/27/2011 14:37:40	0.00717	0.00914	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0101	56.961479627	-158.636481448	23.775	Approximate Tundra Grid Flag Location	09/27/2011 14:37:40	0.00717	0.00914	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0102	56.961479421	-158.636556081	23.835	Approximate Tundra Grid Flag Location	09/27/2011 14:37:48	0.00566	0.00720	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0102	56.961479421	-158.636556081	23.835	Approximate Tundra Grid Flag Location	09/27/2011 14:37:48	0.00566	0.00720	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0103	56.961474650	-158.636632295	23.955	Approximate Tundra Grid Flag Location	09/27/2011 14:37:58	0.00564	0.00718	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0103	56.961474650	-158.636632295	23.955	Approximate Tundra Grid Flag Location	09/27/2011 14:37:58	0.00564	0.00718	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0104	56.961443990	-158.636621592	24.286	Approximate Tundra Grid Flag Location	09/27/2011 14:38:05	0.00820	0.01045	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0104	56.961443990	-158.636621592	24.286	Approximate Tundra Grid Flag Location	09/27/2011 14:38:05	0.00820	0.01045	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0105	56.961443223	-158.636545421	24.161	Approximate Tundra Grid Flag Location	09/27/2011 14:38:16	0.00637	0.00814	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0105	56.961443223	-158.636545421	24.161	Approximate Tundra Grid Flag Location	09/27/2011 14:38:16	0.00637	0.00814	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0106	56.961441596	-158.636468286	23.725	Approximate Tundra Grid Flag Location	09/27/2011 14:38:25	0.00684	0.00874	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0106	56.961441596	-158.636468286	23.725	Approximate Tundra Grid Flag Location	09/27/2011 14:38:25	0.00684	0.00874	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0107	56.961447430	-158.636394355	23.636	Approximate Tundra Grid Flag Location	09/27/2011 14:38:35	0.00537	0.00691	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0107	56.961447430	-158.636394355	23.636	Approximate Tundra Grid Flag Location	09/27/2011 14:38:35	0.00537	0.00691	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0108	56.961415938	-158.636386419	23.827	Approximate Tundra Grid Flag Location	09/27/2011 14:38:46	0.00607	0.00778	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0108	56.961415938	-158.636386419	23.827	Approximate Tundra Grid Flag Location	09/27/2011 14:38:46	0.00607	0.00778	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0109	56.961407528	-158.636460984	23.618	Approximate Tundra Grid Flag Location	09/27/2011 14:38:56	0.00514	0.00658	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0109	56.961407528	-158.636460984	23.618	Approximate Tundra Grid Flag Location	09/27/2011 14:38:56	0.00514	0.00658	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0110	56.961403695	-158.636531211	23.758	Approximate Tundra Grid Flag Location	09/27/2011 14:39:06	0.00582	0.00744	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0110	56.961403695	-158.636531211	23.758	Approximate Tundra Grid Flag Location	09/27/2011 14:39:06	0.00582	0.00744	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0111	56.961401765	-158.636609739	24.316	Approximate Tundra Grid Flag Location	09/27/2011 14:39:16	0.00592	0.00757	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0111	56.961401765	-158.636609739	24.316	Approximate Tundra Grid Flag Location	09/27/2011 14:39:16	0.00592	0.00757	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0112	56.961367820	-158.636596449	23.839	Approximate Tundra Grid Flag Location	09/27/2011 14:39:24	0.00476	0.00609	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0112	56.961367820	-158.636596449	23.839	Approximate Tundra Grid Flag Location	09/27/2011 14:39:24	0.00476	0.00609	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0113	56.961367931	-158.636520750	23.741	Approximate Tundra Grid Flag Location	09/27/2011 14:39:32	0.00688	0.00880	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0113	56.961367931	-158.636520750	23.741	Approximate Tundra Grid Flag Location	09/27/2011 14:39:32	0.00688	0.00880	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0114	56.961368312	-158.636445665	23.833	Approximate Tundra Grid Flag Location	09/27/2011 14:39:41	0.00581	0.00744	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0114	56.961368312	-158.636445665	23.833	Approximate Tundra Grid Flag Location	09/27/2011 14:39:41	0.00581	0.00744	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0115	56.961376926	-158.636376147	23.822	Approximate Tundra Grid Flag Location	09/27/2011 14:39:49	0.00514	0.00658	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0115	56.961376926	-158.636376147	23.822	Approximate Tundra Grid Flag Location	09/27/2011 14:39:49	0.00514	0.00658	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0116	56.961335746	-158.636360767	23.648	Approximate Tundra Grid Flag Location	09/27/2011 14:39:58	0.00524	0.00675	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0116	56.961335746	-158.636360767	23.648	Approximate Tundra Grid Flag Location	09/27/2011 14:39:58	0.00524	0.00675	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0117	56.961328534	-158.636435680	23.627	Approximate Tundra Grid Flag Location	09/27/2011 14:40:07	0.00523	0.00674	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0117	56.961328534	-158.636435680	23.627	Approximate Tundra Grid Flag Location	09/27/2011 14:40:07	0.00523	0.00674	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0118	56.961324792	-158.636509165	23.658	Approximate Tundra Grid Flag Location	09/27/2011 14:40:15	0.00623	0.00803	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0118	56.961324792	-158.636509165	23.658	Approximate Tundra Grid Flag Location	09/27/2011 14:40:15	0.00623	0.00803	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0119	56.961322843	-158.636590325	23.690	Approximate Tundra Grid Flag Location	09/27/2011 14:40:24	0.00614	0.00791	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0119	56.961322843	-158.636590325	23.690	Approximate Tundra Grid Flag Location	09/27/2011 14:40:24	0.00614	0.00791	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0120	56.961284772	-158.636599912	23.683	Approximate Tundra Grid Flag Location	09/27/2011 14:40:33	0.00536	0.00691	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0120	56.961284772	-158.636599912	23.683	Approximate Tundra Grid Flag Location	09/27/2011 14:40:33	0.00536	0.00691	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0121	56.961273402	-158.636574284	23.694	Approximate Tundra Grid Flag Location	09/27/2011 14:40:41	0.00575	0.00741	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0121	56.961273402	-158.636574284	23.694	Approximate Tundra Grid Flag Location	09/27/2011 14:40:41	0.00575	0.00741	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0122	56.961281232	-158.636496145	23.712	Approximate Tundra Grid Flag Location	09/27/2011 14:40:51	0.00597	0.00770	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0122	56.961281232	-158.636496145	23.712	Approximate Tundra Grid Flag Location	09/27/2011 14:40:51	0.00597	0.00770	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0123	56.961303645	-158.636479936	23.662	Approximate Tundra Grid Flag Location	09/27/2011 14:41:00	0.00535	0.00690	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0123	56.961303645	-158.636479936	23.662	Approximate Tundra Grid Flag Location	09/27/2011 14:41:00	0.00535	0.00690	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0124	56.961289434	-158.636425208	23.622	Approximate Tundra Grid Flag Location	09/27/2011 14:41:08	0.00530	0.00684	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0124	56.961289434	-158.636425208	23.622	Approximate Tundra Grid Flag Location	09/27/2011 14:41:08	0.00530	0.00684	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0125	56.961295437	-158.636350734	23.652	Approximate Tundra Grid Flag Location	09/27/2011 14:41:18	0.00563	0.00727	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0125	56.961295437	-158.636350734	23.652	Approximate Tundra Grid Flag Location	09/27/2011 14:41:18	0.00563	0.00727	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0126	56.961254701	-158.636340640	23.665	Approximate Tundra Grid Flag Location	09/27/2011 14:41:28	0.00667	0.00861	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0126	56.961254701	-158.636340640	23.665	Approximate Tundra Grid Flag Location	09/27/2011 14:41:28	0.00667	0.00861	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0127	56.961217400	-158.636333583	23.707	Approximate Tundra Grid Flag Location	09/27/2011 14:41:36	0.00548	0.00707	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0127	56.961217400	-158.636333583	23.707	Approximate Tundra Grid Flag Location	09/27/2011 14:41:36	0.00548	0.00707	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0128	56.961173469	-158.636321153	23.869	Approximate Tundra Grid Flag Location	09/27/2011 14:41:46	0.00574	0.00742	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0128	56.961173469	-158.636321153	23.869	Approximate Tundra Grid Flag Location	09/27/2011 14:41:46	0.00574	0.00742	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0129	56.961144520	-158.636318414	24.028	Approximate Tundra Grid Flag Location	09/27/2011 14:41:54	0.00677	0.00874	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0129	56.961144520	-158.636318414	24.028	Approximate Tundra Grid Flag Location	09/27/2011 14:41:54	0.00677	0.00874	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0130	56.961103440	-158.636315225	24.589	Approximate Tundra Grid Flag Location	09/27/2011 14:42:03	0.00557	0.00720	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0130	56.961103440	-158.636315225	24.589	Approximate Tundra Grid Flag Location	09/27/2011 14:42:03	0.00557	0.00720	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0131	56.961063231	-158.636313450	24.626	Approximate Tundra Grid Flag Location	09/27/2011 14:42:13	0.00555	0.00717	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0131	56.961063231	-158.636313450	24.626	Approximate Tundra Grid Flag Location	09/27/2011 14:42:13	0.00555	0.00717	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0132	56.961056938	-158.636388465	24.458	Approximate Tundra Grid Flag Location	09/27/2011 14:42:25	0.00582	0.00753	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0132	56.961056938	-158.636388465	24.458	Approximate Tundra Grid Flag Location	09/27/2011 14:42:25	0.00582	0.00753	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0133	56.961065092	-158.636462775	24.291	Approximate Tundra Grid Flag Location	09/27/2011 14:42:35	0.00571	0.00738	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0133	56.961065092	-158.636462775	24.291	Approximate Tundra Grid Flag Location	09/27/2011 14:42:35	0.00571	0.00738	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0134	56.961059828	-158.636539389	24.036	Approximate Tundra Grid Flag Location	09/27/2011 14:42:45	0.00557	0.00721	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0134	56.961059828	-158.636539389	24.036	Approximate Tundra Grid Flag Location	09/27/2011 14:42:45	0.00557	0.00721	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0135	56.961017275	-158.636561249	24.583	Approximate Tundra Grid Flag Location	09/27/2011 14:43:00	0.00595	0.00780	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0135	56.961017275	-158.636561249	24.583	Approximate Tundra Grid Flag Location	09/27/2011 14:43:00	0.00595	0.00780	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0136	56.961010954	-158.636531529	24.557	Approximate Tundra Grid Flag Location	09/27/2011 14:43:08	0.00656	0.00849	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0136	56.961010954	-158.636531529	24.557	Approximate Tundra Grid Flag Location	09/27/2011 14:43:08	0.00656	0.00849	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0137	56.961019842	-158.636456658	24.890	Approximate Tundra Grid Flag Location	09/27/2011 14:43:19	0.00509	0.00667	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0137	56.961019842	-158.636456658	24.890	Approximate Tundra Grid Flag Location	09/27/2011 14:43:19	0.00509	0.00667	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0138	56.961028526	-158.636435495	25.051	Approximate Tundra Grid Flag Location	09/27/2011 14:43:28	0.00533	0.00698	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0138	56.961028526	-158.636435495	25.051	Approximate Tundra Grid Flag Location	09/27/2011 14:43:28	0.00533	0.00698	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0139	56.961017557	-158.636384763	25.385	Approximate Tundra Grid Flag Location	09/27/2011 14:43:36	0.00483	0.00634	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0139	56.961017557	-158.636384763	25.385	Approximate Tundra Grid Flag Location	09/27/2011 14:43:36	0.00483	0.00634	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0140	56.961021253	-158.636310784	24.905	Approximate Tundra Grid Flag Location	09/27/2011 14:43:46	0.00509	0.00674	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0140	56.961021253	-158.636310784	24.905	Approximate Tundra Grid Flag Location	09/27/2011 14:43:46	0.00509	0.00674	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0141	56.960981779	-158.636307671	25.349	Approximate Tundra Grid Flag Location	09/27/2011 14:43:55	0.00660	0.00874	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0141	56.960981779	-158.636307671	25.349	Approximate Tundra Grid Flag Location	09/27/2011 14:43:55	0.00660	0.00874	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0142	56.960977125	-158.636383342	25.331	Approximate Tundra Grid Flag Location	09/27/2011 14:44:04	0.00646	0.00848	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0142	56.960977125	-158.636383342	25.331	Approximate Tundra Grid Flag Location	09/27/2011 14:44:04	0.00646	0.00848	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0143	56.960980223	-158.636456887	25.077	Approximate Tundra Grid Flag Location	09/27/2011 14:44:13	0.00536	0.00703	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0143	56.960980223	-158.636456887	25.077	Approximate Tundra Grid Flag Location	09/27/2011 14:44:13	0.00536	0.00703	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0144	56.960970396	-158.636532331	25.018	Approximate Tundra Grid Flag Location	09/27/2011 14:44:23	0.00554	0.00735	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0144	56.960970396	-158.636532331	25.018	Approximate Tundra Grid Flag Location	09/27/2011 14:44:23	0.00554	0.00735	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0145	56.960928215	-158.636524961	25.016	Approximate Tundra Grid Flag Location	09/27/2011 14:44:32	0.00552	0.00733	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0145	56.960928215	-158.636524961	25.016	Approximate Tundra Grid Flag Location	09/27/2011 14:44:32	0.00552	0.00733	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0146	56.960935424	-158.636454581	24.911	Approximate Tundra Grid Flag Location	09/27/2011 14:44:42	0.00552	0.00733	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0146	56.960935424	-158.636454581	24.911	Approximate Tundra Grid Flag Location	09/27/2011 14:44:42	0.00552	0.00733	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0147	56.960935914	-158.636383541	24.971	Approximate Tundra Grid Flag Location	09/27/2011 14:44:51	0.00513	0.00682	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0147	56.960935914	-158.636383541	24.971	Approximate Tundra Grid Flag Location	09/27/2011 14:44:51	0.00513	0.00682	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0148	56.960942271	-158.636306732	25.086	Approximate Tundra Grid Flag Location	09/27/2011 14:45:02	0.00524	0.00697	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0148	56.960942271	-158.636306732	25.086	Approximate Tundra Grid Flag Location	09/27/2011 14:45:02	0.00524	0.00697	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0149	56.960901726	-158.636306723	24.968	Approximate Tundra Grid Flag Location	09/27/2011 14:45:21	0.00513	0.00683	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0149	56.960901726	-158.636306723	24.968	Approximate Tundra Grid Flag Location	09/27/2011 14:45:21	0.00513	0.00683	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0150	56.960876137	-158.636306706	25.148	Approximate Tundra Grid Flag Location	09/27/2011 14:45:30	0.00487	0.00648	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0150	56.960876137	-158.636306706	25.148	Approximate Tundra Grid Flag Location	09/27/2011 14:45:30	0.00487	0.00648	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0151	56.960838110	-158.636310276	25.360	Approximate Tundra Grid Flag Location	09/27/2011 14:45:39	0.00589	0.00784	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0151	56.960838110	-158.636310276	25.360	Approximate Tundra Grid Flag Location	09/27/2011 14:45:39	0.00589	0.00784	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0152	56.960796275	-158.636314482	25.441	Approximate Tundra Grid Flag Location	09/27/2011 14:45:54	0.00526	0.00701	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0152	56.960796275	-158.636314482	25.441	Approximate Tundra Grid Flag Location	09/27/2011 14:45:54	0.00526	0.00701	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0153	56.960755927	-158.636313573	25.728	Approximate Tundra Grid Flag Location	09/27/2011 14:46:08	0.00558	0.00745	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0153	56.960755927	-158.636313573	25.728	Approximate Tundra Grid Flag Location	09/27/2011 14:46:08	0.00558	0.00745	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0154	56.960754247	-158.636394274	25.676	Approximate Tundra Grid Flag Location	09/27/2011 14:46:27	0.00542	0.00721	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0154	56.960754247	-158.636394274	25.676	Approximate Tundra Grid Flag Location	09/27/2011 14:46:27	0.00542	0.00721	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0155	56.960767188	-158.636436658	25.581	Approximate Tundra Grid Flag Location	09/27/2011 14:46:35	0.00697	0.00931	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0155	56.960767188	-158.636436658	25.581	Approximate Tundra Grid Flag Location	09/27/2011 14:46:35	0.00697	0.00931	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0156	56.960765216	-158.636464739	25.494	Approximate Tundra Grid Flag Location	09/27/2011 14:46:42	0.00529	0.00708	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0156	56.960765216	-158.636464739	25.494	Approximate Tundra Grid Flag Location	09/27/2011 14:46:42	0.00529	0.00708	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0157	56.960767088	-158.636540530	25.457	Approximate Tundra Grid Flag Location	09/27/2011 14:46:53	0.00523	0.00700	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0157	56.960767088	-158.636540530	25.457	Approximate Tundra Grid Flag Location	09/27/2011 14:46:53	0.00523	0.00700	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0158	56.960762435	-158.636559779	25.434	Approximate Tundra Grid Flag Location	09/27/2011 14:47:03	0.00504	0.00676	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0158	56.960762435	-158.636559779	25.434	Approximate Tundra Grid Flag Location	09/27/2011 14:47:03	0.00504	0.00676	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0159	56.960793454	-158.636537412	25.099	Approximate Tundra Grid Flag Location	09/27/2011 14:48:01	0.00614	0.00825	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0159	56.960793454	-158.636537412	25.099	Approximate Tundra Grid Flag Location	09/27/2011 14:48:01	0.00614	0.00825	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0160	56.960799262	-158.636463245	25.317	Approximate Tundra Grid Flag Location	09/27/2011 14:48:13	0.00558	0.00751	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0160	56.960799262	-158.636463245	25.317	Approximate Tundra Grid Flag Location	09/27/2011 14:48:13	0.00558	0.00751	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0161	56.960795624	-158.636388083	25.497	Approximate Tundra Grid Flag Location	09/27/2011 14:48:23	0.00573	0.00772	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0161	56.960795624	-158.636388083	25.497	Approximate Tundra Grid Flag Location	09/27/2011 14:48:23	0.00573	0.00772	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0162	56.960717005	-158.636323817	25.877	Approximate Tundra Grid Flag Location	09/27/2011 14:48:41	0.00519	0.00699	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0162	56.960717005	-158.636323817	25.877	Approximate Tundra Grid Flag Location	09/27/2011 14:48:41	0.00519	0.00699	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0163	56.960716223	-158.636396650	25.778	Approximate Tundra Grid Flag Location	09/27/2011 14:48:50	0.00584	0.00787	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0163	56.960716223	-158.636396650	25.778	Approximate Tundra Grid Flag Location	09/27/2011 14:48:50	0.00584	0.00787	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0164	56.960720652	-158.636471435	25.734	Approximate Tundra Grid Flag Location	09/27/2011 14:49:00	0.00484	0.00653	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0164	56.960720652	-158.636471435	25.734	Approximate Tundra Grid Flag Location	09/27/2011 14:49:00	0.00484	0.00653	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0165	56.960727446	-158.636548003	25.459	Approximate Tundra Grid Flag Location	09/27/2011 14:49:11	0.00508	0.00686	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0165	56.960727446	-158.636548003	25.459	Approximate Tundra Grid Flag Location	09/27/2011 14:49:11	0.00508	0.00686	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0166	56.960675627	-158.636327798	25.887	Approximate Tundra Grid Flag Location	09/27/2011 14:49:34	0.00719	0.01028	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0166	56.960675627	-158.636327798	25.887	Approximate Tundra Grid Flag Location	09/27/2011 14:49:34	0.00719	0.01028	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0167	56.960636480	-158.636346381	26.263	Approximate Tundra Grid Flag Location	09/27/2011 14:49:47	0.00572	0.00775	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0167	56.960636480	-158.636346381	26.263	Approximate Tundra Grid Flag Location	09/27/2011 14:49:47	0.00572	0.00775	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0168	56.960611588	-158.636347141	26.631	Approximate Tundra Grid Flag Location	09/27/2011 14:49:56	0.00657	0.00889	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0168	56.960611588	-158.636347141	26.631	Approximate Tundra Grid Flag Location	09/27/2011 14:49:56	0.00657	0.00889	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0169	56.960573830	-158.636362362	26.401	Approximate Tundra Grid Flag Location	09/27/2011 14:50:10	0.00554	0.00746	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0169	56.960573830	-158.636362362	26.401	Approximate Tundra Grid Flag Location	09/27/2011 14:50:10	0.00554	0.00746	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0170	56.960537074	-158.636379707	26.675	Approximate Tundra Grid Flag Location	09/27/2011 14:50:28	0.00499	0.00677	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0170	56.960537074	-158.636379707	26.675	Approximate Tundra Grid Flag Location	09/27/2011 14:50:28	0.00499	0.00677	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0171	56.960499199	-158.636400091	27.500	Approximate Tundra Grid Flag Location	09/27/2011 14:50:39	0.00533	0.00724	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0171	56.960499199	-158.636400091	27.500	Approximate Tundra Grid Flag Location	09/27/2011 14:50:39	0.00533	0.00724	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0172	56.960461477	-158.636422053	27.217	Approximate Tundra Grid Flag Location	09/27/2011 14:50:49	0.00524	0.00713	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0172	56.960461477	-158.636422053	27.217	Approximate Tundra Grid Flag Location	09/27/2011 14:50:49	0.00524	0.00713	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0173	56.960424775	-158.636448137	27.179	Approximate Tundra Grid Flag Location	09/27/2011 14:50:58	0.00528	0.00718	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0173	56.960424775	-158.636448137	27.179	Approximate Tundra Grid Flag Location	09/27/2011 14:50:58	0.00528	0.00718	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0174	56.960386263	-158.636484749	27.111	Approximate Tundra Grid Flag Location	09/27/2011 14:51:08	0.00505	0.00688	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0174	56.960386263	-158.636484749	27.111	Approximate Tundra Grid Flag Location	09/27/2011 14:51:08	0.00505	0.00688	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0175	56.960368742	-158.636503873	27.103	Approximate Tundra Grid Flag Location	09/27/2011 14:51:20	0.00523	0.00713	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0175	56.960368742	-158.636503873	27.103	Approximate Tundra Grid Flag Location	09/27/2011 14:51:20	0.00523	0.00713	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0176	56.960334692	-158.636535678	27.113	Approximate Tundra Grid Flag Location	09/27/2011 14:51:31	0.00590	0.00805	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0176	56.960334692	-158.636535678	27.113	Approximate Tundra Grid Flag Location	09/27/2011 14:51:31	0.00590	0.00805	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0177	56.960301687	-158.636571894	27.034	Approximate Tundra Grid Flag Location	09/27/2011 14:51:40	0.00537	0.00734	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0177	56.960301687	-158.636571894	27.034	Approximate Tundra Grid Flag Location	09/27/2011 14:51:40	0.00537	0.00734	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0178	56.960267400	-158.636609909	26.842	Approximate Tundra Grid Flag Location	09/27/2011 14:51:50	0.00495	0.00676	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0178	56.960267400	-158.636609909	26.842	Approximate Tundra Grid Flag Location	09/27/2011 14:51:50	0.00495	0.00676	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0179	56.960234862	-158.636653075	26.548	Approximate Tundra Grid Flag Location	09/27/2011 14:51:59	0.00562	0.00768	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0179	56.960234862	-158.636653075	26.548	Approximate Tundra Grid Flag Location	09/27/2011 14:51:59	0.00562	0.00768	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0180	56.960207609	-158.636698104	26.296	Approximate Tundra Grid Flag Location	09/27/2011 14:52:07	0.00532	0.00723	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0180	56.960207609	-158.636698104	26.296	Approximate Tundra Grid Flag Location	09/27/2011 14:52:07	0.00532	0.00723	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0181	56.960176707	-158.636745100	25.983	Approximate Tundra Grid Flag Location	09/27/2011 14:52:18	0.00596	0.00805	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0181	56.960176707	-158.636745100	25.983	Approximate Tundra Grid Flag Location	09/27/2011 14:52:18	0.00596	0.00805	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0182	56.960157684	-158.636781066	25.186	Approximate Tundra Grid Flag Location	09/27/2011 14:52:29	0.00498	0.00673	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0182	56.960157684	-158.636781066	25.186	Approximate Tundra Grid Flag Location	09/27/2011 14:52:29	0.00498	0.00673	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0183	56.960128787	-158.636834610	24.675	Approximate Tundra Grid Flag Location	09/27/2011 14:52:38	0.00562	0.00766	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0183	56.960128787	-158.636834610	24.675	Approximate Tundra Grid Flag Location	09/27/2011 14:52:38	0.00562	0.00766	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0184	56.960100073	-158.636887161	24.424	Approximate Tundra Grid Flag Location	09/27/2011 14:52:52	0.00568	0.00770	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0184	56.960100073	-158.636887161	24.424	Approximate Tundra Grid Flag Location	09/27/2011 14:52:52	0.00568	0.00770	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0185	56.960071426	-158.636940370	24.409	Approximate Tundra Grid Flag Location	09/27/2011 14:53:01	0.00586	0.00806	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0185	56.960071426	-158.636940370	24.409	Approximate Tundra Grid Flag Location	09/27/2011 14:53:01	0.00586	0.00806	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0186	56.960043701	-158.636994445	24.505	Approximate Tundra Grid Flag Location	09/27/2011 14:53:10	0.00502	0.00691	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0186	56.960043701	-158.636994445	24.505	Approximate Tundra Grid Flag Location	09/27/2011 14:53:10	0.00502	0.00691	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0187	56.960015825	-158.637049224	24.545	Approximate Tundra Grid Flag Location	09/27/2011 14:53:20	0.00656	0.00876	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0187	56.960015825	-158.637049224	24.545	Approximate Tundra Grid Flag Location	09/27/2011 14:53:20	0.00656	0.00876	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0188	56.959997781	-158.637097321	24.439	Approximate Tundra Grid Flag Location	09/27/2011 14:53:38	0.00592	0.00805	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0188	56.959997781	-158.637097321	24.439	Approximate Tundra Grid Flag Location	09/27/2011 14:53:38	0.00592	0.00805	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0189	56.959969688	-158.637140427	24.635	Approximate Tundra Grid Flag Location	09/27/2011 14:53:46	0.00567	0.00772	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0189	56.959969688	-158.637140427	24.635	Approximate Tundra Grid Flag Location	09/27/2011 14:53:46	0.00567	0.00772	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0190	56.959942067	-158.637194880	24.794	Approximate Tundra Grid Flag Location	09/27/2011 14:53:56	0.00565	0.00769	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0190	56.959942067	-158.637194880	24.794	Approximate Tundra Grid Flag Location	09/27/2011 14:53:56	0.00565	0.00769	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0191	56.959914941	-158.637250610	24.969	Approximate Tundra Grid Flag Location	09/27/2011 14:54:07	0.00574	0.00782	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0191	56.959914941	-158.637250610	24.969	Approximate Tundra Grid Flag Location	09/27/2011 14:54:07	0.00574	0.00782	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0192	56.959887545	-158.637304903	25.560	Approximate Tundra Grid Flag Location	09/27/2011 14:54:18	0.00565	0.00775	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0192	56.959887545	-158.637304903	25.560	Approximate Tundra Grid Flag Location	09/27/2011 14:54:18	0.00565	0.00775	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0193	56.959860070	-158.637360516	25.405	Approximate Tundra Grid Flag Location	09/27/2011 14:54:30	0.00549	0.00749	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0193	56.959860070	-158.637360516	25.405	Approximate Tundra Grid Flag Location	09/27/2011 14:54:30	0.00549	0.00749	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0194	56.959832998	-158.637417326	25.499	Approximate Tundra Grid Flag Location	09/27/2011 14:54:39	0.00545	0.00744	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0194	56.959832998	-158.637417326	25.499	Approximate Tundra Grid Flag Location	09/27/2011 14:54:39	0.00545	0.00744	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0195	56.959805166	-158.637473513	25.424	Approximate Tundra Grid Flag Location	09/27/2011 14:54:48	0.00579	0.00792	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0195	56.959805166	-158.637473513	25.424	Approximate Tundra Grid Flag Location	09/27/2011 14:54:48	0.00579	0.00792	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0196	56.959785777	-158.637509871	25.346	Approximate Tundra Grid Flag Location	09/27/2011 14:55:00	0.00588	0.00804	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0196	56.959785777	-158.637509871	25.346	Approximate Tundra Grid Flag Location	09/27/2011 14:55:00	0.00588	0.00804	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0197	56.959758375	-158.637566248	25.296	Approximate Tundra Grid Flag Location	09/27/2011 14:55:10	0.00550	0.00760	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0197	56.959758375	-158.637566248	25.296	Approximate Tundra Grid Flag Location	09/27/2011 14:55:10	0.00550	0.00760	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0198	56.959731897	-158.637621244	25.282	Approximate Tundra Grid Flag Location	09/27/2011 14:55:19	0.00607	0.00839	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0198	56.959731897	-158.637621244	25.282	Approximate Tundra Grid Flag Location	09/27/2011 14:55:19	0.00607	0.00839	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0199	56.959703922	-158.637678919	25.191	Approximate Tundra Grid Flag Location	09/27/2011 14:55:29	0.00492	0.00681	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0199	56.959703922	-158.637678919	25.191	Approximate Tundra Grid Flag Location	09/27/2011 14:55:29	0.00492	0.00681	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0200	56.959676984	-158.637734167	25.104	Approximate Tundra Grid Flag Location	09/27/2011 14:55:40	0.00503	0.00702	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0200	56.959676984	-158.637734167	25.104	Approximate Tundra Grid Flag Location	09/27/2011 14:55:40	0.00503	0.00702	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0201	56.959647937	-158.637792288	25.022	Approximate Tundra Grid Flag Location	09/27/2011 14:55:50	0.00563	0.00786	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0201	56.959647937	-158.637792288	25.022	Approximate Tundra Grid Flag Location	09/27/2011 14:55:50	0.00563	0.00786	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0202	56.959620703	-158.637846180	24.513	Approximate Tundra Grid Flag Location	09/27/2011 14:56:05	0.00491	0.00686	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0202	56.959620703	-158.637846180	24.513	Approximate Tundra Grid Flag Location	09/27/2011 14:56:05	0.00491	0.00686	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0203	56.959595860	-158.637898150	24.422	Approximate Tundra Grid Flag Location	09/27/2011 14:56:14	0.00465	0.00651	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0203	56.959595860	-158.637898150	24.422	Approximate Tundra Grid Flag Location	09/27/2011 14:56:14	0.00465	0.00651	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0204	56.959568838	-158.637952762	24.319	Approximate Tundra Grid Flag Location	09/27/2011 14:56:23	0.00545	0.00763	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0204	56.959568838	-158.637952762	24.319	Approximate Tundra Grid Flag Location	09/27/2011 14:56:23	0.00545	0.00763	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0205	56.959540631	-158.638008082	24.236	Approximate Tundra Grid Flag Location	09/27/2011 14:56:35	0.00506	0.00705	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0205	56.959540631	-158.638008082	24.236	Approximate Tundra Grid Flag Location	09/27/2011 14:56:35	0.00506	0.00705	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0206	56.959514146	-158.638063062	24.168	Approximate Tundra Grid Flag Location	09/27/2011 14:56:44	0.00507	0.00707	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0206	56.959514146	-158.638063062	24.168	Approximate Tundra Grid Flag Location	09/27/2011 14:56:44	0.00507	0.00707	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0207	56.959485969	-158.638120946	23.991	Approximate Tundra Grid Flag Location	09/27/2011 14:56:53	0.00545	0.00760	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0207	56.959485969	-158.638120946	23.991	Approximate Tundra Grid Flag Location	09/27/2011 14:56:53	0.00545	0.00760	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0208	56.959460373	-158.638174014	23.900	Approximate Tundra Grid Flag Location	09/27/2011 14:57:03	0.00540	0.00755	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0208	56.959460373	-158.638174014	23.900	Approximate Tundra Grid Flag Location	09/27/2011 14:57:03	0.00540	0.00755	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0209	56.959433469	-158.638229194	23.833	Approximate Tundra Grid Flag Location	09/27/2011 14:57:14	0.00558	0.00781	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0209	56.959433469	-158.638229194	23.833	Approximate Tundra Grid Flag Location	09/27/2011 14:57:14	0.00558	0.00781	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0210	56.959405970	-158.638277979	23.688	Approximate Tundra Grid Flag Location	09/27/2011 14:57:23	0.00507	0.00710	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0210	56.959405970	-158.638277979	23.688	Approximate Tundra Grid Flag Location	09/27/2011 14:57:23	0.00507	0.00710	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0211	56.959384027	-158.638335058	23.745	Approximate Tundra Grid Flag Location	09/27/2011 14:57:32	0.00531	0.00745	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0211	56.959384027	-158.638335058	23.745	Approximate Tundra Grid Flag Location	09/27/2011 14:57:32	0.00531	0.00745	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0212	56.959352177	-158.638390552	23.582	Approximate Tundra Grid Flag Location	09/27/2011 14:57:41	0.00519	0.00728	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0212	56.959352177	-158.638390552	23.582	Approximate Tundra Grid Flag Location	09/27/2011 14:57:41	0.00519	0.00728	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0213	56.959323209	-158.638447801	23.508	Approximate Tundra Grid Flag Location	09/27/2011 14:57:50	0.00512	0.00719	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0213	56.959323209	-158.638447801	23.508	Approximate Tundra Grid Flag Location	09/27/2011 14:57:50	0.00512	0.00719	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0214	56.959296080	-158.638502687	23.486	Approximate Tundra Grid Flag Location	09/27/2011 14:57:58	0.00467	0.00657	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0214	56.959296080	-158.638502687	23.486	Approximate Tundra Grid Flag Location	09/27/2011 14:57:58	0.00467	0.00657	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0215	56.959270041	-158.638558067	23.539	Approximate Tundra Grid Flag Location	09/27/2011 14:58:07	0.00517	0.00727	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0215	56.959270041	-158.638558067	23.539	Approximate Tundra Grid Flag Location	09/27/2011 14:58:07	0.00517	0.00727	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0216	56.959240840	-158.638620980	23.687	Approximate Tundra Grid Flag Location	09/27/2011 14:58:16	0.00615	0.00879	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0216	56.959240840	-158.638620980	23.687	Approximate Tundra Grid Flag Location	09/27/2011 14:58:16	0.00615	0.00879	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0217	56.959272700	-158.638670057	23.836	Approximate Tundra Grid Flag Location	09/27/2011 14:58:25	0.00565	0.00808	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0217	56.959272700	-158.638670057	23.836	Approximate Tundra Grid Flag Location	09/27/2011 14:58:25	0.00565	0.00808	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0218	56.959300794	-158.638604433	23.584	Approximate Tundra Grid Flag Location	09/27/2011 14:58:35	0.00543	0.00767	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0218	56.959300794	-158.638604433	23.584	Approximate Tundra Grid Flag Location	09/27/2011 14:58:35	0.00543	0.00767	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0219	56.959323202	-158.638559244	23.560	Approximate Tundra Grid Flag Location	09/27/2011 14:58:44	0.00559	0.00790	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0219	56.959323202	-158.638559344	23.560	Approximate Tundra Grid Flag Location	09/27/2011 14:58:44	0.00559	0.00790	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0220	56.959351073	-158.638503395	23.600	Approximate Tundra Grid Flag Location	09/27/2011 14:58:53	0.00568	0.00803	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0220	56.959351073	-158.638503395	23.600	Approximate Tundra Grid Flag Location	09/27/2011 14:58:53	0.00568	0.00803	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0221	56.959372812	-158.638449973	23.683	Approximate Tundra Grid Flag Location	09/27/2011 14:59:03	0.00625	0.00885	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0221	56.959372812	-158.638449973	23.683	Approximate Tundra Grid Flag Location	09/27/2011 14:59:03	0.00625	0.00885	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0222	56.959384081	-158.638441671	23.664	Approximate Tundra Grid Flag Location	09/27/2011 14:59:10	0.00544	0.00771	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0222	56.959384081	-158.638441671	23.664	Approximate Tundra Grid Flag Location	09/27/2011 14:59:10	0.00544	0.00771	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0223	56.959418506	-158.638369356	23.666	Approximate Tundra Grid Flag Location	09/27/2011 14:59:20	0.00578	0.00832	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0223	56.959418506	-158.638369356	23.666	Approximate Tundra Grid Flag Location	09/27/2011 14:59:20	0.00578	0.00832	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0224	56.959437991	-158.638324666	23.677	Approximate Tundra Grid Flag Location	09/27/2011 14:59:29	0.00494	0.00701	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0224	56.959437991	-158.638324666	23.677	Approximate Tundra Grid Flag Location	09/27/2011 14:59:29	0.00494	0.00701	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0225	56.959680753	-158.637838999	25.043	Approximate Tundra Grid Flag Location	09/27/2011 15:00:30	0.00568	0.00813	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0225	56.959680753	-158.637838999	25.043	Approximate Tundra Grid Flag Location	09/27/2011 15:00:30	0.00568	0.00813	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0226	56.959715081	-158.637882565	25.065	Approximate Tundra Grid Flag Location	09/27/2011 15:00:39	0.00529	0.00769	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0226	56.959715081	-158.637882565	25.065	Approximate Tundra Grid Flag Location	09/27/2011 15:00:39	0.00529	0.00769	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0227	56.959749385	-158.637923044	25.356	Approximate Tundra Grid Flag Location	09/27/2011 15:00:56	0.00511	0.00745	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0227	56.959749385	-158.637923044	25.356	Approximate Tundra Grid Flag Location	09/27/2011 15:00:56	0.00511	0.00745	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0228	56.959771346	-158.637878825	25.377	Approximate Tundra Grid Flag Location	09/27/2011 15:01:18	0.00588	0.00846	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0228	56.959771346	-158.637878825	25.377	Approximate Tundra Grid Flag Location	09/27/2011 15:01:18	0.00588	0.00846	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0229	56.959739236	-158.637830944	25.368	Approximate Tundra Grid Flag Location	09/27/2011 15:01:27	0.00525	0.00757	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0229	56.959739236	-158.637830944	25.368	Approximate Tundra Grid Flag Location	09/27/2011 15:01:27	0.00525	0.00757	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0230	56.959708120	-158.637780145	25.285	Approximate Tundra Grid Flag Location	09/27/2011 15:01:37	0.00543	0.00784	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0230	56.959708120	-158.637780145	25.285	Approximate Tundra Grid Flag Location	09/27/2011 15:01:37	0.00543	0.00784	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0231	56.959737069	-158.637723071	25.377	Approximate Tundra Grid Flag Location	09/27/2011 15:01:47	0.00530	0.00767	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0231	56.959737069	-158.637723071	25.377	Approximate Tundra Grid Flag Location	09/27/2011 15:01:47	0.00530	0.00767	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0232	56.959764543	-158.637665258	25.480	Approximate Tundra Grid Flag Location	09/27/2011 15:01:56	0.00587	0.00850	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0232	56.959764543	-158.637665258	25.480	Approximate Tundra Grid Flag Location	09/27/2011 15:01:56	0.00587	0.00850	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0233	56.959761692	-158.637738197	25.388	Approximate Tundra Grid Flag Location	09/27/2011 15:02:05	0.00555	0.00804	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0233	56.959761692	-158.637738197	25.388	Approximate Tundra Grid Flag Location	09/27/2011 15:02:05	0.00555	0.00804	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0234	56.959768952	-158.637773408	25.422	Approximate Tundra Grid Flag Location	09/27/2011 15:02:14	0.00586	0.00843	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0234	56.959768952	-158.637773408	25.422	Approximate Tundra Grid Flag Location	09/27/2011 15:02:14	0.00586	0.00843	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0235	56.95975137	-158.637714809	25.396	Approximate Tundra Grid Flag Location	09/27/2011 15:02:22	0.00561	0.00815	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0235	56.959795137	-158.637714809	25.396	Approximate Tundra Grid Flag Location	09/27/2011 15:02:22	0.00561	0.00815	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0236	56.959827871	-158.637767142	25.352	Approximate Tundra Grid Flag Location	09/27/2011 15:02:31	0.00575	0.00836	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0236	56.959827871	-158.637767142	25.352	Approximate Tundra Grid Flag Location	09/27/2011 15:02:31	0.00575	0.00836	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0237	56.959813604	-158.637815501	24.924	Approximate Tundra Grid Flag Location	09/27/2011 15:02:40	0.00533	0.00776	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0237	56.959813604	-158.637815501	24.924	Approximate Tundra Grid Flag Location	09/27/2011 15:02:40	0.00533	0.00776	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0238	56.959802333	-158.637818453	24.866	Approximate Tundra Grid Flag Location	09/27/2011 15:02:48	0.00569	0.00830	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0238	56.959802333	-158.637818453	24.866	Approximate Tundra Grid Flag Location	09/27/2011 15:02:48	0.00569	0.00830	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0239	56.959933023	-158.637557464	25.747	Approximate Tundra Grid Flag Location	09/27/2011 15:03:31	0.00595	0.00855	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0239	56.959933023	-158.637557464	25.747	Approximate Tundra Grid Flag Location	09/27/2011 15:03:31	0.00595	0.00855	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0240	56.959899668	-158.637508796	25.596	Approximate Tundra Grid Flag Location	09/27/2011 15:03:57	0.00702	0.01030	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0240	56.959899668	-158.637508796	25.596	Approximate Tundra Grid Flag Location	09/27/2011 15:03:57	0.00702	0.01030	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0241	56.959866114	-158.637466030	25.376	Approximate Tundra Grid Flag Location	09/27/2011 15:04:06	0.00524	0.00769	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0241	56.959866114	-158.637466030	25.376	Approximate Tundra Grid Flag Location	09/27/2011 15:04:06	0.00524	0.00769	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0242	56.959889674	-158.637412246	25.568	Approximate Tundra Grid Flag Location	09/27/2011 15:04:14	0.00761	0.01117	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0242	56.959889674	-158.637412246	25.568	Approximate Tundra Grid Flag Location	09/27/2011 15:04:14	0.00761	0.01117	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0243	56.959921914	-158.637459995	25.561	Approximate Tundra Grid Flag Location	09/27/2011 15:04:23	0.00568	0.00835	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0243	56.959921914	-158.637459995	25.561	Approximate Tundra Grid Flag Location	09/27/2011 15:04:23	0.00568	0.00835	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0244	56.959953721	-158.637507955	25.644	Approximate Tundra Grid Flag Location	09/27/2011 15:04:32	0.00596	0.00883	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0244	56.959953721	-158.637507955	25.644	Approximate Tundra Grid Flag Location	09/27/2011 15:04:32	0.00596	0.00883	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0245	56.959982049	-158.637453167	25.814	Approximate Tundra Grid Flag Location	09/27/2011 15:04:41	0.00622	0.00931	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0245	56.959982049	-158.637453167	25.814	Approximate Tundra Grid Flag Location	09/27/2011 15:04:41	0.00622	0.00931	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0246	56.959950429	-158.637397985	25.708	Approximate Tundra Grid Flag Location	09/27/2011 15:04:49	0.00618	0.00912	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0246	56.959950429	-158.637397985	25.708	Approximate Tundra Grid Flag Location	09/27/2011 15:04:49	0.00618	0.00912	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0247	56.959917360	-158.637353855	25.771	Approximate Tundra Grid Flag Location	09/27/2011 15:04:57	0.00562	0.00830	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0247	56.959917360	-158.637353855	25.771	Approximate Tundra Grid Flag Location	09/27/2011 15:04:57	0.00562	0.00830	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0248	56.959946333	-158.637299870	24.831	Approximate Tundra Grid Flag Location	09/27/2011 15:05:07	0.00654	0.00979	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0248	56.959946333	-158.637299870	24.831	Approximate Tundra Grid Flag Location	09/27/2011 15:05:07	0.00654	0.00979	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0249	56.959950014	-158.637356196	25.259	Approximate Tundra Grid Flag Location	09/27/2011 15:05:16	0.00529	0.00785	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0249	56.959950014	-158.637356196	25.259	Approximate Tundra Grid Flag Location	09/27/2011 15:05:16	0.00529	0.00785	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0250	56.959977349	-158.637347394	24.743	Approximate Tundra Grid Flag Location	09/27/2011 15:05:24	0.00571	0.00854	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0250	56.959977349	-158.637347394	24.743	Approximate Tundra Grid Flag Location	09/27/2011 15:05:24	0.00571	0.00854	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0251	56.960008577	-158.637395297	24.864	Approximate Tundra Grid Flag Location	09/27/2011 15:05:34	0.00620	0.00888	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0251	56.960008577	-158.637395297	24.864	Approximate Tundra Grid Flag Location	09/27/2011 15:05:34	0.00620	0.00888	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0252	56.960004748	-158.637428679	25.231	Approximate Tundra Grid Flag Location	09/27/2011 15:05:42	0.00535	0.00794	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0252	56.960004748	-158.637428679	25.231	Approximate Tundra Grid Flag Location	09/27/2011 15:05:42	0.00535	0.00794	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0253	56.960290652	-158.636671122	26.891	Approximate Tundra Grid Flag Location	09/27/2011 15:07:19	0.00564	0.00861	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0253	56.960290652	-158.636671122	26.891	Approximate Tundra Grid Flag Location	09/27/2011 15:07:19	0.00564	0.00861	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0254	56.960310944	-158.636698983	26.784	Approximate Tundra Grid Flag Location	09/27/2011 15:07:26	0.00646	0.00988	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0254	56.960310944	-158.636698983	26.784	Approximate Tundra Grid Flag Location	09/27/2011 15:07:26	0.00646	0.00988	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0255	56.960314248	-158.636729265	26.713	Approximate Tundra Grid Flag Location	09/27/2011 15:07:32	0.00582	0.00876	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0255	56.960314248	-158.636729265	26.713	Approximate Tundra Grid Flag Location	09/27/2011 15:07:32	0.00582	0.00876	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0256	56.960339561	-158.636788063	26.667	Approximate Tundra Grid Flag Location	09/27/2011 15:07:40	0.00620	0.00935	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0256	56.960339561	-158.636788063	26.667	Approximate Tundra Grid Flag Location	09/27/2011 15:07:40	0.00620	0.00935	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0257	56.960354709	-158.636798577	26.706	Approximate Tundra Grid Flag Location	09/27/2011 15:07:47	0.00583	0.00880	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0257	56.960354709	-158.636798577	26.706	Approximate Tundra Grid Flag Location	09/27/2011 15:07:47	0.00583	0.00880	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0258	56.960365818	-158.636758429	26.738	Approximate Tundra Grid Flag Location	09/27/2011 15:07:53	0.00726	0.01114	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0258	56.960365818	-158.636758429	26.738	Approximate Tundra Grid Flag Location	09/27/2011 15:07:53	0.00726	0.01114	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0259	56.960345393	-158.636695698	26.688	Approximate Tundra Grid Flag Location	09/27/2011 15:08:01	0.00675	0.01037	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0259	56.960345393	-158.636695698	26.688	Approximate Tundra Grid Flag Location	09/27/2011 15:08:01	0.00675	0.01037	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0260	56.960324806	-158.636631470	27.236	Approximate Tundra Grid Flag Location	09/27/2011 15:08:10	0.00558	0.00858	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0260	56.960324806	-158.636631470	27.236	Approximate Tundra Grid Flag Location	09/27/2011 15:08:10	0.00558	0.00858	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0261	56.960516829	-158.636466634	26.788	Approximate Tundra Grid Flag Location	09/27/2011 15:08:46	0.00532	0.00819	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0261	56.960516829	-158.636466634	26.788	Approximate Tundra Grid Flag Location	09/27/2011 15:08:46	0.00532	0.00819	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0262	56.960547666	-158.636456028	26.912	Approximate Tundra Grid Flag Location	09/27/2011 15:08:54	0.00742	0.01156	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0262	56.960547666	-158.636456028	26.912	Approximate Tundra Grid Flag Location	09/27/2011 15:08:54	0.00742	0.01156	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0263	56.960540361	-158.636494757	27.363	Approximate Tundra Grid Flag Location	09/27/2011 15:09:06	0.00568	0.00886	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0263	56.960540361	-158.636494757	27.363	Approximate Tundra Grid Flag Location	09/27/2011 15:09:06	0.00568	0.00886	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0264	56.960536880	-158.636525111	27.386	Approximate Tundra Grid Flag Location	09/27/2011 15:09:13	0.00512	0.00799	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0264	56.960536880	-158.636525111	27.386	Approximate Tundra Grid Flag Location	09/27/2011 15:09:13	0.00512	0.00799	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0265	56.960563249	-158.636526093	27.134	Approximate Tundra Grid Flag Location	09/27/2011 15:09:20	0.00506	0.00785	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0265	56.960563249	-158.636526093	27.134	Approximate Tundra Grid Flag Location	09/27/2011 15:09:20	0.00506	0.00785	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0266	56.960561512	-158.636592053	27.198	Approximate Tundra Grid Flag Location	09/27/2011 15:09:31	0.00574	0.00886	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0266	56.960561512	-158.636592053	27.198	Approximate Tundra Grid Flag Location	09/27/2011 15:09:31	0.00574	0.00886	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0267	56.960574716	-158.636597667	26.992	Approximate Tundra Grid Flag Location	09/27/2011 15:09:39	0.00609	0.00953	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0267	56.960574716	-158.636597667	26.992	Approximate Tundra Grid Flag Location	09/27/2011 15:09:39	0.00609	0.00953	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0268	56.960584290	-158.636589897	26.819	Approximate Tundra Grid Flag Location	09/27/2011 15:09:50	0.00488	0.00766	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0268	56.960584290	-158.636589897	26.819	Approximate Tundra Grid Flag Location	09/27/2011 15:09:50	0.00488	0.00766	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0269	56.960606868	-158.636576996	26.468	Approximate Tundra Grid Flag Location	09/27/2011 15:09:57	0.00559	0.00877	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0269	56.960606868	-158.636576996	26.468	Approximate Tundra Grid Flag Location	09/27/2011 15:09:57	0.00559	0.00877	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0270	56.960589458	-158.636508389	27.060	Approximate Tundra Grid Flag Location	09/27/2011 15:10:05	0.00952	0.01496	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0270	56.960589458	-158.636508389	27.060	Approximate Tundra Grid Flag Location	09/27/2011 15:10:05	0.00952	0.01496	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0271	56.960579759	-158.636439277	26.740	Approximate Tundra Grid Flag Location	09/27/2011 15:10:13	0.00568	0.00894	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0271	56.960579759	-158.636439277	26.740	Approximate Tundra Grid Flag Location	09/27/2011 15:10:13	0.00568	0.00894	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0272	56.961605315	-158.636453961	23.675	Approximate Tundra Grid Flag Location	09/27/2011 15:12:45	0.00531	0.00852	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0272	56.961605315	-158.636453961	23.675	Approximate Tundra Grid Flag Location	09/27/2011 15:12:45	0.00531	0.00852	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0273	56.961598866	-158.636526132	23.531	Approximate Tundra Grid Flag Location	09/27/2011 15:12:54	0.00624	0.01001	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0273	56.961598866	-158.636526132	23.531	Approximate Tundra Grid Flag Location	09/27/2011 15:12:54	0.00624	0.01001	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0274	56.961594155	-158.636601683	23.526	Approximate Tundra Grid Flag Location	09/27/2011 15:13:17	0.00571	0.00920	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0274	56.961594155	-158.636601683	23.526	Approximate Tundra Grid Flag Location	09/27/2011 15:13:17	0.00571	0.00920	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0275	56.961585948	-158.636680291	23.816	Approximate Tundra Grid Flag Location	09/27/2011 15:13:26	0.00513	0.00827	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0275	56.961585948	-158.636680291	23.816	Approximate Tundra Grid Flag Location	09/27/2011 15:13:26	0.00513	0.00827	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0276	56.961587117	-158.636755619	24.057	Approximate Tundra Grid Flag Location	09/27/2011 15:13:41	0.00632	0.01023	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0276	56.961587117	-158.636755619	24.057	Approximate Tundra Grid Flag Location	09/27/2011 15:13:41	0.00632	0.01023	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0277	56.961626220	-158.636771007	23.721	Approximate Tundra Grid Flag Location	09/27/2011 15:13:50	0.00575	0.00919	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0277	56.961626220	-158.636771007	23.721	Approximate Tundra Grid Flag Location	09/27/2011 15:13:50	0.00575	0.00919	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0278	56.961666130	-158.636783333	23.763	Approximate Tundra Grid Flag Location	09/27/2011 15:14:00	0.00586	0.00949	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0278	56.961666130	-158.636783333	23.763	Approximate Tundra Grid Flag Location	09/27/2011 15:14:00	0.00586	0.00949	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0279	56.961699564	-158.636797556	24.110	Approximate Tundra Grid Flag Location	09/27/2011 15:14:09	0.00520	0.00843	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0279	56.961699564	-158.636797556	24.110	Approximate Tundra Grid Flag Location	09/27/2011 15:14:09	0.00520	0.00843	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0280	56.961739348	-158.636807836	24.133	Approximate Tundra Grid Flag Location	09/27/2011 15:14:17	0.00688	0.01115	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0280	56.961739348	-158.636807836	24.133	Approximate Tundra Grid Flag Location	09/27/2011 15:14:17	0.00688	0.01115	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0281	56.961777805	-158.636819607	23.733	Approximate Tundra Grid Flag Location	09/27/2011 15:14:26	0.00586	0.00952	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0281	56.961777805	-158.636819607	23.733	Approximate Tundra Grid Flag Location	09/27/2011 15:14:26	0.00586	0.00952	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0282	56.961810976	-158.636845076	23.861	Approximate Tundra Grid Flag Location	09/27/2011 15:14:34	0.00688	0.01117	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0282	56.961810976	-158.636845076	23.861	Approximate Tundra Grid Flag Location	09/27/2011 15:14:34	0.00688	0.01117	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0283	56.961829877	-158.636909614	23.730	Approximate Tundra Grid Flag Location	09/27/2011 15:14:46	0.00583	0.00949	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0283	56.961829877	-158.636909614	23.730	Approximate Tundra Grid Flag Location	09/27/2011 15:14:46	0.00583	0.00949	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0284	56.961857592	-158.636861680	23.889	Approximate Tundra Grid Flag Location	09/27/2011 15:14:56	0.00660	0.01075	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0284	56.961857592	-158.636861680	23.889	Approximate Tundra Grid Flag Location	09/27/2011 15:14:56	0.00660	0.01075	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0285	56.961837881	-158.636800339	23.541	Approximate Tundra Grid Flag Location	09/27/2011 15:15:04	0.00654	0.01067	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0285	56.961837881	-158.636800339	23.541	Approximate Tundra Grid Flag Location	09/27/2011 15:15:04	0.00654	0.01067	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0286	56.961864028	-158.636788162	23.411	Approximate Tundra Grid Flag Location	09/27/2011 15:15:11	0.00535	0.00873	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0286	56.961864028	-158.636788162	23.411	Approximate Tundra Grid Flag Location	09/27/2011 15:15:11	0.00535	0.00873	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0287	56.961816787	-158.636770036	23.412	Approximate Tundra Grid Flag Location	09/27/2011 15:15:19	0.00543	0.00887	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0287	56.961816787	-158.636770036	23.412	Approximate Tundra Grid Flag Location	09/27/2011 15:15:19	0.00543	0.00887	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0288	56.961821469	-158.636694282	23.313	Approximate Tundra Grid Flag Location	09/27/2011 15:15:26	0.00791	0.01293	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0288	56.961821469	-158.636694282	23.313	Approximate Tundra Grid Flag Location	09/27/2011 15:15:26	0.00791	0.01293	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0289	56.961844164	-158.636674247	23.287	Approximate Tundra Grid Flag Location	09/27/2011 15:15:33	0.00576	0.00942	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0289	56.961844164	-158.636674247	23.287	Approximate Tundra Grid Flag Location	09/27/2011 15:15:33	0.00576	0.00942	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0290	56.961867632	-158.636708276	23.291	Approximate Tundra Grid Flag Location	09/27/2011 15:15:40	0.00544	0.00863	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0290	56.961867632	-158.636708276	23.291	Approximate Tundra Grid Flag Location	09/27/2011 15:15:40	0.00544	0.00863	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0291	56.961873302	-158.636634233	23.179	Approximate Tundra Grid Flag Location	09/27/2011 15:15:49	0.00510	0.00809	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0291	56.961873302	-158.636634233	23.179	Approximate Tundra Grid Flag Location	09/27/2011 15:15:49	0.00510	0.00809	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0292	56.961830343	-158.636618400	23.335	Approximate Tundra Grid Flag Location	09/27/2011 15:15:58	0.00603	0.00997	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0292	56.961830343	-158.636618400	23.335	Approximate Tundra Grid Flag Location	09/27/2011 15:15:58	0.00603	0.00997	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0293	56.961904773	-158.636875526	23.621	Approximate Tundra Grid Flag Location	09/27/2011 15:16:22	0.00630	0.01046	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0293	56.961904773	-158.636875526	23.621	Approximate Tundra Grid Flag Location	09/27/2011 15:16:22	0.00630	0.01046	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0294	56.961949533	-158.636892061	23.307	Approximate Tundra Grid Flag Location	09/27/2011 15:16:31	0.00665	0.01043	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0294	56.961949533	-158.636892061	23.307	Approximate Tundra Grid Flag Location	09/27/2011 15:16:31	0.00665	0.01043	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0295	56.961984353	-158.636903189	23.375	Approximate Tundra Grid Flag Location	09/27/2011 15:16:39	0.00574	0.00908	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0295	56.961984353	-158.636903189	23.375	Approximate Tundra Grid Flag Location	09/27/2011 15:16:39	0.00574	0.00908	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0296	56.962050113	-158.636945925	23.197	Approximate Tundra Grid Flag Location	09/27/2011 15:16:51	0.00588	0.00962	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0296	56.962050113	-158.636945925	23.197	Approximate Tundra Grid Flag Location	09/27/2011 15:16:51	0.00588	0.00962	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0297	56.962089950	-158.636955893	23.120	Approximate Tundra Grid Flag Location	09/27/2011 15:16:59	0.00752	0.01232	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0297	56.962089950	-158.636955893	23.120	Approximate Tundra Grid Flag Location	09/27/2011 15:16:59	0.00752	0.01232	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0298	56.962136414	-158.636969853	23.062	Approximate Tundra Grid Flag Location	09/27/2011 15:17:08	0.00597	0.00979	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0298	56.962136414	-158.636969853	23.062	Approximate Tundra Grid Flag Location	09/27/2011 15:17:08	0.00597	0.00979	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0299	56.962172065	-158.636985553	23.056	Approximate Tundra Grid Flag Location	09/27/2011 15:17:17	0.00543	0.00897	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0299	56.962172065	-158.636985553	23.056	Approximate Tundra Grid Flag Location	09/27/2011 15:17:17	0.00543	0.00897	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0300	56.962175226	-158.636909981	23.057	Approximate Tundra Grid Flag Location	09/27/2011 15:17:40	0.00662	0.01100	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0300	56.962175226	-158.636909981	23.057	Approximate Tundra Grid Flag Location	09/27/2011 15:17:40	0.00662	0.01100	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0301	56.962179069	-158.636836522	23.041	Approximate Tundra Grid Flag Location	09/27/2011 15:17:48	0.00549	0.00914	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0301	56.962179069	-158.636836522	23.041	Approximate Tundra Grid Flag Location	09/27/2011 15:17:48	0.00549	0.00914	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0302	56.962183192	-158.636760759	23.094	Approximate Tundra Grid Flag Location	09/27/2011 15:17:56	0.00569	0.00947	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0302	56.962183192	-158.636760759	23.094	Approximate Tundra Grid Flag Location	09/27/2011 15:17:56	0.00569	0.00947	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0303	56.962222703	-158.636779125	23.005	Approximate Tundra Grid Flag Location	09/27/2011 15:18:05	0.00591	0.00985	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0303	56.962222703	-158.636779125	23.005	Approximate Tundra Grid Flag Location	09/27/2011 15:18:05	0.00591	0.00985	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0304	56.962278407	-158.636800792	23.058	Approximate Tundra Grid Flag Location	09/27/2011 15:18:15	0.00526	0.00871	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0304	56.962278467	-158.636800792	23.058	Approximate Tundra Grid Flag Location	09/27/2011 15:18:15	0.00526	0.00871	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0305	56.962263412	-158.636876258	23.049	Approximate Tundra Grid Flag Location	09/27/2011 15:18:23	0.00550	0.00911	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0305	56.962263412	-158.636876258	23.049	Approximate Tundra Grid Flag Location	09/27/2011 15:18:23	0.00550	0.00911	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0306	56.962253783	-158.636953860	23.060	Approximate Tundra Grid Flag Location	09/27/2011 15:18:32	0.00568	0.00950	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0306	56.962253783	-158.636953860	23.060	Approximate Tundra Grid Flag Location	09/27/2011 15:18:32	0.00568	0.00950	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0307	56.962245488	-158.637027869	23.051	Approximate Tundra Grid Flag Location	09/27/2011 15:18:42	0.00540	0.00896	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0307	56.962245488	-158.637027869	23.051	Approximate Tundra Grid Flag Location	09/27/2011 15:18:42	0.00540	0.00896	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0308	56.962286455	-158.637033865	23.019	Approximate Tundra Grid Flag Location	09/27/2011 15:18:51	0.00684	0.01138	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0308	56.962286455	-158.637033865	23.019	Approximate Tundra Grid Flag Location	09/27/2011 15:18:51	0.00684	0.01138	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0309	56.962320796	-158.637044465	23.010	Approximate Tundra Grid Flag Location	09/27/2011 15:19:00	0.00578	0.00962	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0309	56.962320796	-158.637044465	23.010	Approximate Tundra Grid Flag Location	09/27/2011 15:19:00	0.00578	0.00962	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0310	56.962356813	-158.637062917	22.912	Approximate Tundra Grid Flag Location	09/27/2011 15:19:09	0.00651	0.00970	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0310	56.962356813	-158.637062917	22.912	Approximate Tundra Grid Flag Location	09/27/2011 15:19:09	0.00651	0.00970	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0311	56.962374045	-158.636998272	22.826	Approximate Tundra Grid Flag Location	09/27/2011 15:19:17	0.00574	0.00915	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0311	56.962374045	-158.636998272	22.826	Approximate Tundra Grid Flag Location	09/27/2011 15:19:17	0.00574	0.00915	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0312	56.962385250	-158.636922150	23.026	Approximate Tundra Grid Flag Location	09/27/2011 15:19:27	0.00548	0.00910	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0312	56.962385250	-158.636922150	23.026	Approximate Tundra Grid Flag Location	09/27/2011 15:19:27	0.00548	0.00910	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0313	56.962393963	-158.636850497	23.004	Approximate Tundra Grid Flag Location	09/27/2011 15:19:37	0.00521	0.00863	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0313	56.962393963	-158.636850497	23.004	Approximate Tundra Grid Flag Location	09/27/2011 15:19:37	0.00521	0.00863	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0314	56.962433261	-158.636865239	22.977	Approximate Tundra Grid Flag Location	09/27/2011 15:20:23	0.00755	0.01257	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0314	56.962433261	-158.636865239	22.977	Approximate Tundra Grid Flag Location	09/27/2011 15:20:23	0.00755	0.01257	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0315	56.962404832	-158.636905058	23.038	Approximate Tundra Grid Flag Location	09/27/2011 15:20:30	0.00533	0.00893	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0315	56.962404832	-158.636905058	23.038	Approximate Tundra Grid Flag Location	09/27/2011 15:20:30	0.00533	0.00893	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0316	56.962427787	-158.636942465	22.992	Approximate Tundra Grid Flag Location	09/27/2011 15:20:37	0.00559	0.00943	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0316	56.962427787	-158.636942465	22.992	Approximate Tundra Grid Flag Location	09/27/2011 15:20:37	0.00559	0.00943	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0317	56.962420580	-158.637018327	22.985	Approximate Tundra Grid Flag Location	09/27/2011 15:20:45	0.00553	0.00934	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0317	56.962420580	-158.637018327	22.985	Approximate Tundra Grid Flag Location	09/27/2011 15:20:45	0.00553	0.00934	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0318	56.962397235	-158.637035212	23.020	Approximate Tundra Grid Flag Location	09/27/2011 15:20:53	0.00526	0.00883	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0318	56.962397235	-158.637035212	23.020	Approximate Tundra Grid Flag Location	09/27/2011 15:20:53	0.00526	0.00883	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0319	56.962409873	-158.637089775	23.036	Approximate Tundra Grid Flag Location	09/27/2011 15:21:01	0.00451	0.00763	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0319	56.962409873	-158.637089775	23.036	Approximate Tundra Grid Flag Location	09/27/2011 15:21:01	0.00451	0.00763	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0320	56.962384096	-158.637148268	23.045	Approximate Tundra Grid Flag Location	09/27/2011 15:21:10	0.00515	0.00863	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0320	56.962384096	-158.637148268	23.045	Approximate Tundra Grid Flag Location	09/27/2011 15:21:10	0.00515	0.00863	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0321	56.962443081	-158.637101115	23.091	Approximate Tundra Grid Flag Location	09/27/2011 15:21:20	0.00506	0.00849	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0321	56.962443081	-158.637101115	23.091	Approximate Tundra Grid Flag Location	09/27/2011 15:21:20	0.00506	0.00849	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0322	56.962478297	-158.637113999	22.821	Approximate Tundra Grid Flag Location	09/27/2011 15:21:29	0.00460	0.00780	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0322	56.962478297	-158.637113999	22.821	Approximate Tundra Grid Flag Location	09/27/2011 15:21:29	0.00460	0.00780	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0323	56.962509554	-158.637128534	22.925	Approximate Tundra Grid Flag Location	09/27/2011 15:21:37	0.00504	0.00851	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0323	56.962509554	-158.637128534	22.925	Approximate Tundra Grid Flag Location	09/27/2011 15:21:37	0.00504	0.00851	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0324	56.962523598	-158.637057742	22.955	Approximate Tundra Grid Flag Location	09/27/2011 15:21:45	0.00525	0.00882	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0324	56.962523598	-158.637057742	22.955	Approximate Tundra Grid Flag Location	09/27/2011 15:21:45	0.00525	0.00882	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0325	56.962535936	-158.636983267	22.991	Approximate Tundra Grid Flag Location	09/27/2011 15:21:55	0.00507	0.00854	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0325	56.962535936	-158.636983267	22.991	Approximate Tundra Grid Flag Location	09/27/2011 15:21:55	0.00507	0.00854	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0326	56.962574068	-158.637003971	22.957	Approximate Tundra Grid Flag Location	09/27/2011 15:22:05	0.00601	0.00898	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0326	56.962574068	-158.637003971	22.957	Approximate Tundra Grid Flag Location	09/27/2011 15:22:05	0.00601	0.00898	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0327	56.962619641	-158.637021340	22.930	Approximate Tundra Grid Flag Location	09/27/2011 15:22:17	0.00582	0.00994	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0327	56.962619641	-158.637021340	22.930	Approximate Tundra Grid Flag Location	09/27/2011 15:22:17	0.00582	0.00994	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0328	56.962658890	-158.637035806	22.955	Approximate Tundra Grid Flag Location	09/27/2011 15:29:07	0.00458	0.00804	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0328	56.962658890	-158.637035806	22.955	Approximate Tundra Grid Flag Location	09/27/2011 15:29:07	0.00458	0.00804	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0329	56.962649520	-158.637105592	22.924	Approximate Tundra Grid Flag Location	09/27/2011 15:29:18	0.00544	0.00955	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0329	56.962649520	-158.637105592	22.924	Approximate Tundra Grid Flag Location	09/27/2011 15:29:18	0.00544	0.00955	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0330	56.962663730	-158.637147152	22.898	Approximate Tundra Grid Flag Location	09/27/2011 15:29:28	0.00491	0.00863	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0330	56.962663730	-158.637147152	22.898	Approximate Tundra Grid Flag Location	09/27/2011 15:29:28	0.00491	0.00863	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0331	56.962688421	-158.637120829	22.891	Approximate Tundra Grid Flag Location	09/27/2011 15:29:38	0.00485	0.00852	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0331	56.962688421	-158.637120829	22.891	Approximate Tundra Grid Flag Location	09/27/2011 15:29:38	0.00485	0.00852	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0332	56.962697111	-158.637047189	22.888	Approximate Tundra Grid Flag Location	09/27/2011 15:29:49	0.00539	0.00949	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0332	56.962697111	-158.637047189	22.888	Approximate Tundra Grid Flag Location	09/27/2011 15:29:49	0.00539	0.00949	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0333	56.962679302	-158.637024237	22.930	Approximate Tundra Grid Flag Location	09/27/2011 15:30:03	0.00495	0.00872	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0333	56.962679302	-158.637024237	22.930	Approximate Tundra Grid Flag Location	09/27/2011 15:30:03	0.00495	0.00872	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0334	56.962665508	-158.636967058	22.963	Approximate Tundra Grid Flag Location	09/27/2011 15:30:25	0.00572	0.01010	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0334	56.962665508	-158.636967058	22.963	Approximate Tundra Grid Flag Location	09/27/2011 15:30:25	0.00572	0.01010	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0335	56.962706190	-158.636984073	22.921	Approximate Tundra Grid Flag Location	09/27/2011 15:30:36	0.00502	0.00887	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0335	56.962706190	-158.636984073	22.921	Approximate Tundra Grid Flag Location	09/27/2011 15:30:36	0.00502	0.00887	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0336	56.962745527	-158.637000098	22.937	Approximate Tundra Grid Flag Location	09/27/2011 15:31:22	0.00606	0.01075	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0336	56.962745527	-158.637000098	22.937	Approximate Tundra Grid Flag Location	09/27/2011 15:31:22	0.00606	0.01075	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0337	56.962736536	-158.637062369	22.919	Approximate Tundra Grid Flag Location	09/27/2011 15:31:32	0.00508	0.00903	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0337	56.962736536	-158.637062369	22.919	Approximate Tundra Grid Flag Location	09/27/2011 15:31:32	0.00508	0.00903	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0338	56.962783530	-158.637087625	22.939	Approximate Tundra Grid Flag Location	09/27/2011 15:33:36	0.00493	0.00883	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0338	56.962783530	-158.637087625	22.939	Approximate Tundra Grid Flag Location	09/27/2011 15:33:36	0.00493	0.00883	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0339	56.962811937	-158.637099524	22.899	Approximate Tundra Grid Flag Location	09/27/2011 15:33:45	0.00450	0.00806	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0339	56.962811937	-158.637099524	22.899	Approximate Tundra Grid Flag Location	09/27/2011 15:33:45	0.00450	0.00806	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0340	56.962802970	-158.637172827	22.836	Approximate Tundra Grid Flag Location	09/27/2011 15:33:58	0.00494	0.00886	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0340	56.962802970	-158.637172827	22.836	Approximate Tundra Grid Flag Location	09/27/2011 15:33:58	0.00494	0.00886	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0341	56.962795091	-158.637245876	22.817	Approximate Tundra Grid Flag Location	09/27/2011 15:34:09	0.00526	0.00944	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0341	56.962795091	-158.637245876	22.817	Approximate Tundra Grid Flag Location	09/27/2011 15:34:09	0.00526	0.00944	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0342	56.962838185	-158.637264854	22.833	Approximate Tundra Grid Flag Location	09/27/2011 15:34:20	0.00504	0.00905	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0342	56.962838185	-158.637264854	22.833	Approximate Tundra Grid Flag Location	09/27/2011 15:34:20	0.00504	0.00905	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0343	56.962875400	-158.637279165	22.887	Approximate Tundra Grid Flag Location	09/27/2011 15:34:34	0.00735	0.01322	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0343	56.962875400	-158.637279165	22.887	Approximate Tundra Grid Flag Location	09/27/2011 15:34:34	0.00735	0.01322	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0344	56.962913439	-158.637305138	22.905	Approximate Tundra Grid Flag Location	09/27/2011 15:34:44	0.00487	0.00872	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0344	56.962913439	-158.637305138	22.905	Approximate Tundra Grid Flag Location	09/27/2011 15:34:44	0.00487	0.00872	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0345	56.962947513	-158.637309322	22.826	Approximate Tundra Grid Flag Location	09/27/2011 15:34:53	0.00487	0.00872	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0345	56.962947513	-158.637309322	22.826	Approximate Tundra Grid Flag Location	09/27/2011 15:34:53	0.00487	0.00872	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0346	56.962962131	-158.637243034	22.856	Approximate Tundra Grid Flag Location	09/27/2011 15:35:02	0.00459	0.00823	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0346	56.962962131	-158.637243034	22.856	Approximate Tundra Grid Flag Location	09/27/2011 15:35:02	0.00459	0.00823	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0347	56.962936914	-158.637246034	22.867	Approximate Tundra Grid Flag Location	09/27/2011 15:35:10	0.00521	0.00935	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0347	56.962936914	-158.637246034	22.867	Approximate Tundra Grid Flag Location	09/27/2011 15:35:10	0.00521	0.00935	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0348	56.962927204	-158.637230894	22.900	Approximate Tundra Grid Flag Location	09/27/2011 15:35:17	0.00471	0.00845	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0348	56.962927204	-158.637230894	22.900	Approximate Tundra Grid Flag Location	09/27/2011 15:35:17	0.00471	0.00845	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0349	56.962933651	-158.637150947	22.870	Approximate Tundra Grid Flag Location	09/27/2011 15:35:27	0.00482	0.00865	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0349	56.962933651	-158.637150947	22.870	Approximate Tundra Grid Flag Location	09/27/2011 15:35:27	0.00482	0.00865	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0350	56.962948204	-158.637128221	22.864	Approximate Tundra Grid Flag Location	09/27/2011 15:35:34	0.00536	0.00962	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0350	56.962948204	-158.637128221	22.864	Approximate Tundra Grid Flag Location	09/27/2011 15:35:34	0.00536	0.00962	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0351	56.962971807	-158.637162858	22.871	Approximate Tundra Grid Flag Location	09/27/2011 15:35:43	0.00433	0.00778	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0351	56.962971807	-158.637162858	22.871	Approximate Tundra Grid Flag Location	09/27/2011 15:35:43	0.00433	0.00778	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0352	56.962979587	-158.637090848	22.803	Approximate Tundra Grid Flag Location	09/27/2011 15:35:52	0.00524	0.00942	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0352	56.962979587	-158.637090848	22.803	Approximate Tundra Grid Flag Location	09/27/2011 15:35:52	0.00524	0.00942	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0353	56.962938316	-158.637073773	22.786	Approximate Tundra Grid Flag Location	09/27/2011 15:36:02	0.00456	0.00820	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0353	56.962938316	-158.637073773	22.786	Approximate Tundra Grid Flag Location	09/27/2011 15:36:02	0.00456	0.00820	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0354	56.962947923	-158.637002124	23.022	Approximate Tundra Grid Flag Location	09/27/2011 15:36:12	0.00475	0.00855	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0354	56.962947923	-158.637002124	23.022	Approximate Tundra Grid Flag Location	09/27/2011 15:36:12	0.00475	0.00855	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0355	56.962988151	-158.637019042	22.990	Approximate Tundra Grid Flag Location	09/27/2011 15:36:22	0.00549	0.00988	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0355	56.962988151	-158.637019042	22.990	Approximate Tundra Grid Flag Location	09/27/2011 15:36:22	0.00549	0.00988	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0356	56.962908886	-158.636985594	23.030	Approximate Tundra Grid Flag Location	09/27/2011 15:36:35	0.00609	0.01127	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0356	56.962908886	-158.636985594	23.030	Approximate Tundra Grid Flag Location	09/27/2011 15:36:35	0.00609	0.01127	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0357	56.962869435	-158.636970547	22.986	Approximate Tundra Grid Flag Location	09/27/2011 15:36:44	0.00450	0.00811	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0357	56.962869435	-158.636970547	22.986	Approximate Tundra Grid Flag Location	09/27/2011 15:36:44	0.00450	0.00811	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0358	56.962830699	-158.636954243	22.975	Approximate Tundra Grid Flag Location	09/27/2011 15:36:53	0.00437	0.00787	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0358	56.962830699	-158.636954243	22.975	Approximate Tundra Grid Flag Location	09/27/2011 15:36:53	0.00437	0.00787	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0359	56.962796904	-158.636942067	22.942	Approximate Tundra Grid Flag Location	09/27/2011 15:37:02	0.00602	0.01085	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0359	56.962796904	-158.636942067	22.942	Approximate Tundra Grid Flag Location	09/27/2011 15:37:02	0.00602	0.01085	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0360	56.962755837	-158.636926849	22.953	Approximate Tundra Grid Flag Location	09/27/2011 15:37:12	0.00494	0.00892	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0360	56.962755837	-158.636926849	22.953	Approximate Tundra Grid Flag Location	09/27/2011 15:37:12	0.00494	0.00892	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0361	56.962715753	-158.636909735	22.974	Approximate Tundra Grid Flag Location	09/27/2011 15:37:22	0.00479	0.00864	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0361	56.962715753	-158.636909735	22.974	Approximate Tundra Grid Flag Location	09/27/2011 15:37:22	0.00479	0.00864	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0362	56.962674801	-158.636892473	22.942	Approximate Tundra Grid Flag Location	09/27/2011 15:37:31	0.00509	0.00926	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0362	56.962674801	-158.636892473	22.942	Approximate Tundra Grid Flag Location	09/27/2011 15:37:31	0.00509	0.00926	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0363	56.962635905	-158.636874662	22.977	Approximate Tundra Grid Flag Location	09/27/2011 15:37:41	0.00436	0.00790	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0363	56.962635905	-158.636874662	22.977	Approximate Tundra Grid Flag Location	09/27/2011 15:37:41	0.00436	0.00790	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0364	56.962595027	-158.636856712	23.031	Approximate Tundra Grid Flag Location	09/27/2011 15:37:51	0.00451	0.00819	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0364	56.962595027	-158.636856712	23.031	Approximate Tundra Grid Flag Location	09/27/2011 15:37:51	0.00451	0.00819	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0365	56.962556132	-158.636836930	23.085	Approximate Tundra Grid Flag Location	09/27/2011 15:38:05	0.00443	0.00802	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0365	56.962556132	-158.636836930	23.085	Approximate Tundra Grid Flag Location	09/27/2011 15:38:05	0.00443	0.00802	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0366	56.962524996	-158.636820761	22.945	Approximate Tundra Grid Flag Location	09/27/2011 15:38:14	0.00496	0.00897	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0366	56.962524996	-158.636820761	22.945	Approximate Tundra Grid Flag Location	09/27/2011 15:38:14	0.00496	0.00897	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0367	56.962512422	-158.636896175	22.849	Approximate Tundra Grid Flag Location	09/27/2011 15:38:22	0.00753	0.01363	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0367	56.962512422	-158.636896175	22.849	Approximate Tundra Grid Flag Location	09/27/2011 15:38:22	0.00753	0.01363	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0368	56.962508992	-158.636969947	22.818	Approximate Tundra Grid Flag Location	09/27/2011 15:38:30	0.00503	0.00911	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0368	56.962508992	-158.636969947	22.818	Approximate Tundra Grid Flag Location	09/27/2011 15:38:30	0.00503	0.00911	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0369	56.962494270	-158.637044486	22.780	Approximate Tundra Grid Flag Location	09/27/2011 15:38:39	0.00623	0.01129	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0369	56.962494270	-158.637044486	22.780	Approximate Tundra Grid Flag Location	09/27/2011 15:38:39	0.00623	0.01129	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0370	56.962454133	-158.637028950	23.047	Approximate Tundra Grid Flag Location	09/27/2011 15:38:48	0.00527	0.00956	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0370	56.962454133	-158.637028950	23.047	Approximate Tundra Grid Flag Location	09/27/2011 15:38:48	0.00527	0.00956	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0371	56.962468790	-158.636952163	23.007	Approximate Tundra Grid Flag Location	09/27/2011 15:38:56	0.00535	0.00969	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0371	56.962468790	-158.636952163	23.007	Approximate Tundra Grid Flag Location	09/27/2011 15:38:56	0.00535	0.00969	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0372	56.962473100	-158.636876443	22.911	Approximate Tundra Grid Flag Location	09/27/2011 15:39:05	0.00486	0.00885	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0372	56.962473100	-158.636876443	22.911	Approximate Tundra Grid Flag Location	09/27/2011 15:39:05	0.00486	0.00885	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0373	56.962483889	-158.636803049	23.082	Approximate Tundra Grid Flag Location	09/27/2011 15:39:14	0.00480	0.00870	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0373	56.962483889	-158.636803049	23.082	Approximate Tundra Grid Flag Location	09/27/2011 15:39:14	0.00480	0.00870	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0374	56.962444558	-158.636791370	23.078	Approximate Tundra Grid Flag Location	09/27/2011 15:39:30	0.00526	0.00955	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0374	56.962444558	-158.636791370	23.078	Approximate Tundra Grid Flag Location	09/27/2011 15:39:30	0.00526	0.00955	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0375	56.962404710	-158.636776261	23.117	Approximate Tundra Grid Flag Location	09/27/2011 15:39:39	0.00469	0.00852	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0375	56.962404710	-158.636776261	23.117	Approximate Tundra Grid Flag Location	09/27/2011 15:39:39	0.00469	0.00852	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0376	56.962364225	-158.636758519	23.078	Approximate Tundra Grid Flag Location	09/27/2011 15:39:48	0.00482	0.00876	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0376	56.962364225	-158.636758519	23.078	Approximate Tundra Grid Flag Location	09/27/2011 15:39:48	0.00482	0.00876	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0377	56.962323642	-158.636743328	23.050	Approximate Tundra Grid Flag Location	09/27/2011 15:39:57	0.00555	0.01008	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0377	56.962323642	-158.636743328	23.050	Approximate Tundra Grid Flag Location	09/27/2011 15:39:57	0.00555	0.01008	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0378	56.962286572	-158.636728940	23.129	Approximate Tundra Grid Flag Location	09/27/2011 15:40:06	0.00459	0.00835	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0378	56.962286572	-158.636728940	23.129	Approximate Tundra Grid Flag Location	09/27/2011 15:40:06	0.00459	0.00835	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0379	56.962232636	-158.636705592	23.112	Approximate Tundra Grid Flag Location	09/27/2011 15:40:16	0.00507	0.00922	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0379	56.962232636	-158.636705592	23.112	Approximate Tundra Grid Flag Location	09/27/2011 15:40:16	0.00507	0.00922	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0380	56.962192280	-158.636688557	23.169	Approximate Tundra Grid Flag Location	09/27/2011 15:40:26	0.00489	0.00888	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0380	56.962192280	-158.636688557	23.169	Approximate Tundra Grid Flag Location	09/27/2011 15:40:26	0.00489	0.00888	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0381	56.962152448	-158.636674116	23.180	Approximate Tundra Grid Flag Location	09/27/2011 15:40:35	0.00433	0.00788	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0381	56.962152448	-158.636674116	23.180	Approximate Tundra Grid Flag Location	09/27/2011 15:40:35	0.00433	0.00788	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0382	56.962112005	-158.636658521	23.213	Approximate Tundra Grid Flag Location	09/27/2011 15:40:44	0.00494	0.00898	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0382	56.962112005	-158.636658521	23.213	Approximate Tundra Grid Flag Location	09/27/2011 15:40:44	0.00494	0.00898	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0383	56.962072634	-158.636640884	23.208	Approximate Tundra Grid Flag Location	09/27/2011 15:40:53	0.00574	0.01045	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0383	56.962072634	-158.636640884	23.208	Approximate Tundra Grid Flag Location	09/27/2011 15:40:53	0.00574	0.01045	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0384	56.962033072	-158.636622812	23.165	Approximate Tundra Grid Flag Location	09/27/2011 15:41:03	0.00484	0.00882	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0384	56.962033072	-158.636622812	23.165	Approximate Tundra Grid Flag Location	09/27/2011 15:41:03	0.00484	0.00882	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0385	56.961991766	-158.636606389	23.210	Approximate Tundra Grid Flag Location	09/27/2011 15:41:12	0.00431	0.00784	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0385	56.961991766	-158.636606389	23.210	Approximate Tundra Grid Flag Location	09/27/2011 15:41:12	0.00431	0.00784	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0386	56.961962372	-158.636592801	23.265	Approximate Tundra Grid Flag Location	09/27/2011 15:41:22	0.00472	0.00860	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0386	56.961962372	-158.636592801	23.265	Approximate Tundra Grid Flag Location	09/27/2011 15:41:22	0.00472	0.00860	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0387	56.961921347	-158.636575450	23.244	Approximate Tundra Grid Flag Location	09/27/2011 15:41:35	0.00470	0.00855	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0387	56.961921347	-158.636575450	23.244	Approximate Tundra Grid Flag Location	09/27/2011 15:41:35	0.00470	0.00855	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0388	56.961880171	-158.636560865	23.310	Approximate Tundra Grid Flag Location	09/27/2011 15:41:47	0.00492	0.00896	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0388	56.961880171	-158.636560865	23.310	Approximate Tundra Grid Flag Location	09/27/2011 15:41:47	0.00492	0.00896	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0389	56.961839658	-158.636543868	23.300	Approximate Tundra Grid Flag Location	09/27/2011 15:41:57	0.00416	0.00758	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0389	56.961839658	-158.636543868	23.300	Approximate Tundra Grid Flag Location	09/27/2011 15:41:57	0.00416	0.00758	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0390	56.961798909	-158.636529569	23.294	Approximate Tundra Grid Flag Location	09/27/2011 15:42:08	0.00479	0.00872	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0390	56.961798909	-158.636529569	23.294	Approximate Tundra Grid Flag Location	09/27/2011 15:42:08	0.00479	0.00872	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0391	56.961760904	-158.636512061	23.333	Approximate Tundra Grid Flag Location	09/27/2011 15:42:18	0.00415	0.00756	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0391	56.961760904	-158.636512061	23.333	Approximate Tundra Grid Flag Location	09/27/2011 15:42:18	0.00415	0.00756	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0392	56.961719292	-158.636495394	23.700	Approximate Tundra Grid Flag Location	09/27/2011 15:42:28	0.00543	0.00990	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0392	56.961719292	-158.636495394	23.700	Approximate Tundra Grid Flag Location	09/27/2011 15:42:28	0.00543	0.00990	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0393	56.961690514	-158.636485788	23.900	Approximate Tundra Grid Flag Location	09/27/2011 15:42:36	0.00403	0.00735	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0393	56.961690514	-158.636485788	23.900	Approximate Tundra Grid Flag Location	09/27/2011 15:42:36	0.00403	0.00735	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0394	56.961647018	-158.636467134	23.870	Approximate Tundra Grid Flag Location	09/27/2011 15:42:52	0.00448	0.00817	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0394	56.961647018	-158.636467134	23.870	Approximate Tundra Grid Flag Location	09/27/2011 15:42:52	0.00448	0.00817	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0395	56.957432131	-158.640616492	23.249	Approximate Tundra Grid Flag Location	09/28/2011 08:18:05	0.00506	0.01048	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0395	56.957432131	-158.640616492	23.249	Approximate Tundra Grid Flag Location	09/28/2011 08:18:05	0.00506	0.01048	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0396	56.957428364	-158.640545988	23.162	Approximate Tundra Grid Flag Location	09/28/2011 08:19:17	0.00538	0.01131	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0396	56.957428364	-158.640545988	23.162	Approximate Tundra Grid Flag Location	09/28/2011 08:19:17	0.00538	0.01131	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0397	56.957468735	-158.640540096	23.184	Approximate Tundra Grid Flag Location	09/28/2011 08:20:02	0.00513	0.01101	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0397	56.957468735	-158.640540096	23.184	Approximate Tundra Grid Flag Location	09/28/2011 08:20:02	0.00513	0.01101	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0398	56.957507788	-158.640533389	23.178	Approximate Tundra Grid Flag Location	09/28/2011 08:20:35	0.00539	0.01152	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0398	56.957507788	-158.640533389	23.178	Approximate Tundra Grid Flag Location	09/28/2011 08:20:35	0.00539	0.01152	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0399	56.957546974	-158.640539066	23.066	Approximate Tundra Grid Flag Location	09/28/2011 08:20:54	0.00660	0.01452	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0399	56.957546974	-158.640539066	23.066	Approximate Tundra Grid Flag Location	09/28/2011 08:20:54	0.00660	0.01452	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0400	56.957586534	-158.640530612	23.111	Approximate Tundra Grid Flag Location	09/28/2011 08:21:07	0.00513	0.01132	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0400	56.957586534	-158.640530612	23.111	Approximate Tundra Grid Flag Location	09/28/2011 08:21:07	0.00513	0.01132	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0401	56.957627377	-158.640519090	23.270	Approximate Tundra Grid Flag Location	09/28/2011 08:21:22	0.00557	0.01234	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0401	56.957627377	-158.640519090	23.270	Approximate Tundra Grid Flag Location	09/28/2011 08:21:22	0.00557	0.01234	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0402	56.957667045	-158.640511293	23.384	Approximate Tundra Grid Flag Location	09/28/2011 08:21:40	0.00461	0.01012	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0402	56.957667045	-158.640511293	23.384	Approximate Tundra Grid Flag Location	09/28/2011 08:21:40	0.00461	0.01012	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0403	56.957693921	-158.640502505	23.292	Approximate Tundra Grid Flag Location	09/28/2011 08:22:39	0.00578	0.01265	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0403	56.957693921	-158.640502505	23.292	Approximate Tundra Grid Flag Location	09/28/2011 08:22:39	0.00578	0.01265	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0404	56.957733648	-158.640484528	23.208	Approximate Tundra Grid Flag Location	09/28/2011 08:23:12	0.00515	0.01141	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0404	56.957733648	-158.640484528	23.208	Approximate Tundra Grid Flag Location	09/28/2011 08:23:12	0.00515	0.01141	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0405	56.957772816	-158.640468311	23.263	Approximate Tundra Grid Flag Location	09/28/2011 08:23:29	0.00483	0.01116	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0405	56.957772816	-158.640468311	23.263	Approximate Tundra Grid Flag Location	09/28/2011 08:23:29	0.00483	0.01116	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0406	56.957813237	-158.640446753	23.263	Approximate Tundra Grid Flag Location	09/28/2011 08:23:49	0.00486	0.01077	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0406	56.957813237	-158.640446753	23.263	Approximate Tundra Grid Flag Location	09/28/2011 08:23:49	0.00486	0.01077	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0407	56.957815948	-158.640398833	23.303	Approximate Tundra Grid Flag Location	09/28/2011 08:26:49	0.00617	0.01464	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0407	56.957815948	-158.640398833	23.303	Approximate Tundra Grid Flag Location	09/28/2011 08:26:49	0.00617	0.01464	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0408	56.957798210	-158.640286363	23.271	Approximate Tundra Grid Flag Location	09/28/2011 08:27:16	0.00444	0.01057	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0408	56.957798210	-158.640286363	23.271	Approximate Tundra Grid Flag Location	09/28/2011 08:27:16	0.00444	0.01057	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0409	56.957851186	-158.640419034	23.472	Approximate Tundra Grid Flag Location	09/28/2011 08:27:40	0.00828	0.02127	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0409	56.957851186	-158.640419034	23.472	Approximate Tundra Grid Flag Location	09/28/2011 08:27:40	0.00828	0.02127	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0410	56.957889320	-158.640391848	23.459	Approximate Tundra Grid Flag Location	09/28/2011 08:28:59	0.00485	0.01164	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0410	56.957889320	-158.640391848	23.459	Approximate Tundra Grid Flag Location	09/28/2011 08:28:59	0.00485	0.01164	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0411	56.957926597	-158.640360605	23.447	Approximate Tundra Grid Flag Location	09/28/2011 08:29:16	0.00556	0.01337	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0411	56.957926597	-158.640360605	23.447	Approximate Tundra Grid Flag Location	09/28/2011 08:29:16	0.00556	0.01337	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0412	56.957946214	-158.640345694	23.362	Approximate Tundra Grid Flag Location	09/28/2011 08:29:33	0.00514	0.01236	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0412	56.957946214	-158.640345694	23.362	Approximate Tundra Grid Flag Location	09/28/2011 08:29:33	0.00514	0.01236	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0413	56.957984216	-158.640316880	23.421	Approximate Tundra Grid Flag Location	09/28/2011 08:29:51	0.00496	0.01242	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0413	56.957984216	-158.640316880	23.421	Approximate Tundra Grid Flag Location	09/28/2011 08:29:51	0.00496	0.01242	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0414	56.958021202	-158.640287759	23.646	Approximate Tundra Grid Flag Location	09/28/2011 08:30:06	0.00631	0.01650	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0414	56.958021202	-158.640287759	23.646	Approximate Tundra Grid Flag Location	09/28/2011 08:30:06	0.00631	0.01650	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0415	56.958057341	-158.640255659	23.758	Approximate Tundra Grid Flag Location	09/28/2011 08:31:09	0.00527	0.01240	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0415	56.958057341	-158.640255659	23.758	Approximate Tundra Grid Flag Location	09/28/2011 08:31:09	0.00527	0.01240	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0416	56.958047293	-158.640211959	23.797	Approximate Tundra Grid Flag Location	09/28/2011 08:31:30	0.00528	0.01243	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0416	56.958047293	-158.640211959	23.797	Approximate Tundra Grid Flag Location	09/28/2011 08:31:30	0.00528	0.01243	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0417	56.958093629	-158.640219501	23.844	Approximate Tundra Grid Flag Location	09/28/2011 08:32:34	0.00522	0.01228	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0417	56.958093629	-158.640219501	23.844	Approximate Tundra Grid Flag Location	09/28/2011 08:32:34	0.00522	0.01228	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0418	56.958130463	-158.640185393	23.819	Approximate Tundra Grid Flag Location	09/28/2011 08:33:01	0.00490	0.01152	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0418	56.958130463	-158.640185393	23.819	Approximate Tundra Grid Flag Location	09/28/2011 08:33:01	0.00490	0.01152	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0419	56.958166002	-158.640144933	23.824	Approximate Tundra Grid Flag Location	09/28/2011 08:33:31	0.00564	0.01325	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0419	56.958166002	-158.640144933	23.824	Approximate Tundra Grid Flag Location	09/28/2011 08:33:31	0.00564	0.01325	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0420	56.958178680	-158.640132454	23.850	Approximate Tundra Grid Flag Location	09/28/2011 08:33:54	0.00774	0.01818	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0420	56.958178680	-158.640132454	23.850	Approximate Tundra Grid Flag Location	09/28/2011 08:33:54	0.00774	0.01818	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0421	56.958198655	-158.640198397	23.347	Approximate Tundra Grid Flag Location	09/28/2011 08:34:38	0.00467	0.01109	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0421	56.958198655	-158.640198397	23.347	Approximate Tundra Grid Flag Location	09/28/2011 08:34:38	0.00467	0.01109	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0422	56.958182413	-158.640212358	23.546	Approximate Tundra Grid Flag Location	09/28/2011 08:34:53	0.00526	0.01231	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0422	56.958182413	-158.640212358	23.546	Approximate Tundra Grid Flag Location	09/28/2011 08:34:53	0.00526	0.01231	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0423	56.958146643	-158.640256464	23.577	Approximate Tundra Grid Flag Location	09/28/2011 08:35:12	0.00539	0.01288	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0423	56.958146643	-158.640256464	23.577	Approximate Tundra Grid Flag Location	09/28/2011 08:35:12	0.00539	0.01288	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0424	56.958110396	-158.640289626	23.543	Approximate Tundra Grid Flag Location	09/28/2011 08:35:34	0.00748	0.01748	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0424	56.958110396	-158.640289626	23.543	Approximate Tundra Grid Flag Location	09/28/2011 08:35:34	0.00748	0.01748	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0425	56.958073975	-158.640326942	23.481	Approximate Tundra Grid Flag Location	09/28/2011 08:35:53	0.00582	0.01357	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0425	56.958073975	-158.640326942	23.481	Approximate Tundra Grid Flag Location	09/28/2011 08:35:53	0.00582	0.01357	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0426	56.958036233	-158.640358455	23.363	Approximate Tundra Grid Flag Location	09/28/2011 08:36:08	0.00599	0.01437	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0426	56.958036233	-158.640358455	23.363	Approximate Tundra Grid Flag Location	09/28/2011 08:36:08	0.00599	0.01437	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0427	56.957996896	-158.640388916	23.443	Approximate Tundra Grid Flag Location	09/28/2011 08:36:26	0.00531	0.01235	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0427	56.957996896	-158.640388916	23.443	Approximate Tundra Grid Flag Location	09/28/2011 08:36:26	0.00531	0.01235	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0428	56.957959118	-158.640419466	23.355	Approximate Tundra Grid Flag Location	09/28/2011 08:36:43	0.00538	0.01249	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0428	56.957959118	-158.640419466	23.355	Approximate Tundra Grid Flag Location	09/28/2011 08:36:43	0.00538	0.01249	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0429	56.957938634	-158.640434978	23.296	Approximate Tundra Grid Flag Location	09/28/2011 08:36:57	0.00496	0.01151	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0429	56.957938634	-158.640434978	23.296	Approximate Tundra Grid Flag Location	09/28/2011 08:36:57	0.00496	0.01151	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0430	56.957902756	-158.640463885	23.353	Approximate Tundra Grid Flag Location	09/28/2011 08:37:14	0.00399	0.00926	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0430	56.957902756	-158.640463885	23.353	Approximate Tundra Grid Flag Location	09/28/2011 08:37:14	0.00399	0.00926	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0431	56.957864074	-158.640493581	23.229	Approximate Tundra Grid Flag Location	09/28/2011 08:37:33	0.00578	0.01338	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0431	56.957864074	-158.640493581	23.229	Approximate Tundra Grid Flag Location	09/28/2011 08:37:33	0.00578	0.01338	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0432	56.957824739	-158.640520855	23.162	Approximate Tundra Grid Flag Location	09/28/2011 08:38:00	0.00565	0.01344	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0432	56.957824739	-158.640520855	23.162	Approximate Tundra Grid Flag Location	09/28/2011 08:38:00	0.00565	0.01344	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0433	56.957783859	-158.640541925	23.126	Approximate Tundra Grid Flag Location	09/28/2011 08:38:17	0.00551	0.01309	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0433	56.957783859	-158.640541925	23.126	Approximate Tundra Grid Flag Location	09/28/2011 08:38:17	0.00551	0.01309	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0434	56.957744742	-158.640560018	23.146	Approximate Tundra Grid Flag Location	09/28/2011 08:38:40	0.00534	0.01260	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0434	56.957744742	-158.640560018	23.146	Approximate Tundra Grid Flag Location	09/28/2011 08:38:40	0.00534	0.01260	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0435	56.957704091	-158.640576927	23.111	Approximate Tundra Grid Flag Location	09/28/2011 08:39:16	0.00515	0.01210	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0435	56.957704091	-158.640576927	23.111	Approximate Tundra Grid Flag Location	09/28/2011 08:39:16	0.00515	0.01210	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0436	56.957675562	-158.640584904	23.102	Approximate Tundra Grid Flag Location	09/28/2011 08:39:35	0.00748	0.01754	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0436	56.957675562	-158.640584904	23.102	Approximate Tundra Grid Flag Location	09/28/2011 08:39:35	0.00748	0.01754	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0437	56.957633935	-158.640595984	23.030	Approximate Tundra Grid Flag Location	09/28/2011 08:40:09	0.00538	0.01256	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0437	56.957633935	-158.640595984	23.030	Approximate Tundra Grid Flag Location	09/28/2011 08:40:09	0.00538	0.01256	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0438	56.957593452	-158.640607232	23.059	Approximate Tundra Grid Flag Location	09/28/2011 08:40:25	0.00606	0.01457	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0438	56.957593452	-158.640607232	23.059	Approximate Tundra Grid Flag Location	09/28/2011 08:40:25	0.00606	0.01457	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0439	56.957552066	-158.640614531	23.146	Approximate Tundra Grid Flag Location	09/28/2011 08:40:44	0.00583	0.01317	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0439	56.957552066	-158.640614531	23.146	Approximate Tundra Grid Flag Location	09/28/2011 08:40:44	0.00583	0.01317	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0440	56.957513238	-158.640608677	23.244	Approximate Tundra Grid Flag Location	09/28/2011 08:41:01	0.00698	0.01620	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0440	56.957513238	-158.640608677	23.244	Approximate Tundra Grid Flag Location	09/28/2011 08:41:01	0.00698	0.01620	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0441	56.957473572	-158.640616448	23.150	Approximate Tundra Grid Flag Location	09/28/2011 08:41:17	0.00706	0.01636	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0441	56.957473572	-158.640616448	23.150	Approximate Tundra Grid Flag Location	09/28/2011 08:41:17	0.00706	0.01636	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0442	56.959140013	-158.638444684	23.202	Approximate Tundra Grid Flag Location	09/28/2011 09:05:42	0.00508	0.00838	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0442	56.959140013	-158.638444684	23.202	Approximate Tundra Grid Flag Location	09/28/2011 09:05:42	0.00508	0.00838	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0443	56.959128557	-158.638482124	23.337	Approximate Tundra Grid Flag Location	09/28/2011 09:06:01	0.00510	0.00839	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0443	56.959128557	-158.638482124	23.337	Approximate Tundra Grid Flag Location	09/28/2011 09:06:01	0.00510	0.00839	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0444	56.959099136	-158.638530063	23.333	Approximate Tundra Grid Flag Location	09/28/2011 09:06:32	0.00522	0.00855	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0444	56.959099136	-158.638530063	23.333	Approximate Tundra Grid Flag Location	09/28/2011 09:06:32	0.00522	0.00855	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0445	56.959069772	-158.638584956	23.700	Approximate Tundra Grid Flag Location	09/28/2011 09:17:55	0.00651	0.00987	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0445	56.959069772	-158.638584956	23.700	Approximate Tundra Grid Flag Location	09/28/2011 09:17:55	0.00651	0.00987	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0446	56.959039816	-158.638632323	23.965	Approximate Tundra Grid Flag Location	09/28/2011 09:18:17	0.00599	0.00907	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0446	56.959039816	-158.638632323	23.965	Approximate Tundra Grid Flag Location	09/28/2011 09:18:17	0.00599	0.00907	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0447	56.959012108	-158.639576923	23.455	Approximate Tundra Grid Flag Location	09/28/2011 09:18:37	0.00601	0.00910	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0447	56.959012108	-158.638576923	23.455	Approximate Tundra Grid Flag Location	09/28/2011 09:18:37	0.00601	0.00910	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0448	56.958996186	-158.638541527	23.341	Approximate Tundra Grid Flag Location	09/28/2011 09:18:57	0.01134	0.01710	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0448	56.958996186	-158.638541527	23.341	Approximate Tundra Grid Flag Location	09/28/2011 09:18:57	0.01134	0.01710	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0449	56.959008471	-158.638679334	23.921	Approximate Tundra Grid Flag Location	09/28/2011 09:19:28	0.00526	0.00850	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0449	56.959008471	-158.638679334	23.921	Approximate Tundra Grid Flag Location	09/28/2011 09:19:28	0.00526	0.00850	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0450	56.958979115	-158.638735623	23.974	Approximate Tundra Grid Flag Location	09/28/2011 09:20:20	0.00528	0.00790	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0450	56.958979115	-158.638735623	23.974	Approximate Tundra Grid Flag Location	09/28/2011 09:20:20	0.00528	0.00790	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0451	56.958949694	-158.638786831	23.818	Approximate Tundra Grid Flag Location	09/28/2011 09:20:38	0.00546	0.00817	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0451	56.958949694	-158.638786831	23.818	Approximate Tundra Grid Flag Location	09/28/2011 09:20:38	0.00546	0.00817	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0452	56.958928154	-158.638833521	23.797	Approximate Tundra Grid Flag Location	09/28/2011 09:20:57	0.00566	0.00845	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0452	56.958928154	-158.638833521	23.797	Approximate Tundra Grid Flag Location	09/28/2011 09:20:57	0.00566	0.00845	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0453	56.958898868	-158.638891852	23.689	Approximate Tundra Grid Flag Location	09/28/2011 09:21:12	0.00672	0.01003	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0453	56.958898868	-158.638891852	23.689	Approximate Tundra Grid Flag Location	09/28/2011 09:21:12	0.00672	0.01003	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0454	56.958873236	-158.638951681	23.722	Approximate Tundra Grid Flag Location	09/28/2011 09:21:26	0.00584	0.00871	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0454	56.958873236	-158.638951681	23.722	Approximate Tundra Grid Flag Location	09/28/2011 09:21:26	0.00584	0.00871	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0455	56.958846143	-158.639010640	23.856	Approximate Tundra Grid Flag Location	09/28/2011 09:21:41	0.00583	0.00867	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0455	56.958846143	-158.639010640	23.856	Approximate Tundra Grid Flag Location	09/28/2011 09:21:41	0.00583	0.00867	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0456	56.958821547	-158.639068673	23.786	Approximate Tundra Grid Flag Location	09/28/2011 09:22:00	0.00712	0.01059	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0456	56.958821547	-158.639068673	23.786	Approximate Tundra Grid Flag Location	09/28/2011 09:22:00	0.00712	0.01059	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0457	56.958797207	-158.639130765	23.662	Approximate Tundra Grid Flag Location	09/28/2011 09:22:22	0.00542	0.00804	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0457	56.958797207	-158.639130765	23.662	Approximate Tundra Grid Flag Location	09/28/2011 09:22:22	0.00542	0.00804	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0458	56.958769433	-158.639187816	23.796	Approximate Tundra Grid Flag Location	09/28/2011 09:22:39	0.00573	0.00854	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0458	56.958769433	-158.639187816	23.796	Approximate Tundra Grid Flag Location	09/28/2011 09:22:39	0.00573	0.00854	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0459	56.958758148	-158.639216224	23.699	Approximate Tundra Grid Flag Location	09/28/2011 09:22:54	0.00645	0.00956	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0459	56.958758148	-158.639216224	23.699	Approximate Tundra Grid Flag Location	09/28/2011 09:22:54	0.00645	0.00956	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0460	56.958728621	-158.639277168	23.589	Approximate Tundra Grid Flag Location	09/28/2011 09:23:12	0.00620	0.00918	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0460	56.958728621	-158.639277168	23.589	Approximate Tundra Grid Flag Location	09/28/2011 09:23:12	0.00620	0.00918	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0461	56.958702998	-158.639335583	23.486	Approximate Tundra Grid Flag Location	09/28/2011 09:23:28	0.00612	0.00907	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0461	56.958702998	-158.639335583	23.486	Approximate Tundra Grid Flag Location	09/28/2011 09:23:28	0.00612	0.00907	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0462	56.958679746	-158.639384876	23.458	Approximate Tundra Grid Flag Location	09/28/2011 09:23:54	0.00610	0.00900	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0462	56.958679746	-158.639384876	23.458	Approximate Tundra Grid Flag Location	09/28/2011 09:23:54	0.00610	0.00900	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0463	56.958650964	-158.639450284	23.602	Approximate Tundra Grid Flag Location	09/28/2011 09:24:11	0.00754	0.01115	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0463	56.958650964	-158.639450284	23.602	Approximate Tundra Grid Flag Location	09/28/2011 09:24:11	0.00754	0.01115	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0464	56.958623598	-158.639508262	23.746	Approximate Tundra Grid Flag Location	09/28/2011 09:24:25	0.00633	0.00932	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0464	56.958623598	-158.639508262	23.746	Approximate Tundra Grid Flag Location	09/28/2011 09:24:25	0.00633	0.00932	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0465	56.958596071	-158.639555913	23.684	Approximate Tundra Grid Flag Location	09/28/2011 09:24:48	0.00610	0.00909	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0465	56.958596071	-158.639555913	23.684	Approximate Tundra Grid Flag Location	09/28/2011 09:24:48	0.00610	0.00909	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0466	56.958585132	-158.639578050	23.504	Approximate Tundra Grid Flag Location	09/28/2011 09:25:01	0.00610	0.00903	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0466	56.958585132	-158.639578050	23.504	Approximate Tundra Grid Flag Location	09/28/2011 09:25:01	0.00610	0.00903	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0467	56.958555594	-158.639638054	23.539	Approximate Tundra Grid Flag Location	09/28/2011 09:25:15	0.00602	0.00887	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0467	56.958555594	-158.639638054	23.539	Approximate Tundra Grid Flag Location	09/28/2011 09:25:15	0.00602	0.00887	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0468	56.958530215	-158.639690175	23.489	Approximate Tundra Grid Flag Location	09/28/2011 09:25:32	0.00913	0.01343	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0468	56.958530215	-158.639690175	23.489	Approximate Tundra Grid Flag Location	09/28/2011 09:25:32	0.00913	0.01343	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0469	56.958500856	-158.639742347	23.622	Approximate Tundra Grid Flag Location	09/28/2011 09:25:47	0.00729	0.01068	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0469	56.958500856	-158.639742347	23.622	Approximate Tundra Grid Flag Location	09/28/2011 09:25:47	0.00729	0.01068	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0470	56.958469241	-158.639793545	23.932	Approximate Tundra Grid Flag Location	09/28/2011 09:26:04	0.00580	0.00849	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0470	56.958469241	-158.639793545	23.932	Approximate Tundra Grid Flag Location	09/28/2011 09:26:04	0.00580	0.00849	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0471	56.958440357	-158.639845622	23.613	Approximate Tundra Grid Flag Location	09/28/2011 09:26:21	0.00916	0.01344	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0471	56.958440357	-158.639845622	23.613	Approximate Tundra Grid Flag Location	09/28/2011 09:26:21	0.00916	0.01344	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0472	56.958409028	-158.639898765	23.693	Approximate Tundra Grid Flag Location	09/28/2011 09:26:37	0.00625	0.00913	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0472	56.958409028	-158.639898765	23.693	Approximate Tundra Grid Flag Location	09/28/2011 09:26:37	0.00625	0.00913	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0473	56.958396182	-158.639917998	23.743	Approximate Tundra Grid Flag Location	09/28/2011 09:26:50	0.00573	0.00836	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0473	56.958396182	-158.639917998	23.743	Approximate Tundra Grid Flag Location	09/28/2011 09:26:50	0.00573	0.00836	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0474	56.958365419	-158.639969660	23.751	Approximate Tundra Grid Flag Location	09/28/2011 09:27:08	0.01344	0.01959	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0474	56.958365419	-158.639969660	23.751	Approximate Tundra Grid Flag Location	09/28/2011 09:27:08	0.01344	0.01959	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0475	56.958333872	-158.640020328	23.319	Approximate Tundra Grid Flag Location	09/28/2011 09:27:25	0.00586	0.00860	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0475	56.958333872	-158.640020328	23.319	Approximate Tundra Grid Flag Location	09/28/2011 09:27:25	0.00586	0.00860	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0476	56.958301666	-158.640065961	23.131	Approximate Tundra Grid Flag Location	09/28/2011 09:27:41	0.00549	0.00802	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0476	56.958301666	-158.640065961	23.131	Approximate Tundra Grid Flag Location	09/28/2011 09:27:41	0.00549	0.00802	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0477	56.958267149	-158.640110344	23.151	Approximate Tundra Grid Flag Location	09/28/2011 09:27:58	0.00635	0.00923	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0477	56.958267149	-158.640110344	23.151	Approximate Tundra Grid Flag Location	09/28/2011 09:27:58	0.00635	0.00923	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0478	56.958233331	-158.640154994	23.299	Approximate Tundra Grid Flag Location	09/28/2011 09:28:16	0.00552	0.00826	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0478	56.958233331	-158.640154994	23.299	Approximate Tundra Grid Flag Location	09/28/2011 09:28:16	0.00552	0.00826	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0479	56.958213281	-158.640085650	23.823	Approximate Tundra Grid Flag Location	09/28/2011 09:29:08	0.00606	0.00918	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0479	56.958213281	-158.640085650	23.823	Approximate Tundra Grid Flag Location	09/28/2011 09:29:08	0.00606	0.00918	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0480	56.958245643	-158.640044570	23.528	Approximate Tundra Grid Flag Location	09/28/2011 09:29:24	0.00588	0.00870	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0480	56.958245643	-158.640044570	23.528	Approximate Tundra Grid Flag Location	09/28/2011 09:29:24	0.00588	0.00870	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0481	56.958279001	-158.640001311	23.496	Approximate Tundra Grid Flag Location	09/28/2011 09:29:43	0.00630	0.00952	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0481	56.958279001	-158.640001311	23.496	Approximate Tundra Grid Flag Location	09/28/2011 09:29:43	0.00630	0.00952	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0482	56.958271833	-158.639950384	23.569	Approximate Tundra Grid Flag Location	09/28/2011 09:29:56	0.00797	0.01248	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0482	56.958271833	-158.639950384	23.569	Approximate Tundra Grid Flag Location	09/28/2011 09:29:56	0.00797	0.01248	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0483	56.958247457	-158.639845084	23.804	Approximate Tundra Grid Flag Location	09/28/2011 09:30:17	0.00731	0.01126	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0483	56.958247457	-158.639845084	23.804	Approximate Tundra Grid Flag Location	09/28/2011 09:30:17	0.00731	0.01126	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0484	56.958311826	-158.639955111	23.772	Approximate Tundra Grid Flag Location	09/28/2011 09:30:40	0.00744	0.01180	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0484	56.958311826	-158.639955111	23.772	Approximate Tundra Grid Flag Location	09/28/2011 09:30:40	0.00744	0.01180	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0485	56.958341918	-158.639906501	23.959	Approximate Tundra Grid Flag Location	09/28/2011 09:30:55	0.00775	0.01180	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0485	56.958341918	-158.639906501	23.959	Approximate Tundra Grid Flag Location	09/28/2011 09:30:55	0.00775	0.01180	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0486	56.958372402	-158.639856694	23.707	Approximate Tundra Grid Flag Location	09/28/2011 09:31:08	0.00846	0.01287	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0486	56.958372402	-158.639856694	23.707	Approximate Tundra Grid Flag Location	09/28/2011 09:31:08	0.00846	0.01287	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0487	56.958383336	-158.639839662	23.689	Approximate Tundra Grid Flag Location	09/28/2011 09:31:19	0.00642	0.00969	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0487	56.958383336	-158.639839662	23.689	Approximate Tundra Grid Flag Location	09/28/2011 09:31:19	0.00642	0.00969	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0488	56.958414383	-158.639786234	23.629	Approximate Tundra Grid Flag Location	09/28/2011 09:31:35	0.00743	0.01111	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0488	56.958414383	-158.639786234	23.629	Approximate Tundra Grid Flag Location	09/28/2011 09:31:35	0.00743	0.01111	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0489	56.958445291	-158.639735496	23.599	Approximate Tundra Grid Flag Location	09/28/2011 09:31:48	0.00602	0.00926	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0489	56.958445291	-158.639735496	23.599	Approximate Tundra Grid Flag Location	09/28/2011 09:31:48	0.00602	0.00926	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0490	56.958474033	-158.639682837	23.496	Approximate Tundra Grid Flag Location	09/28/2011 09:32:02	0.01095	0.01661	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0490	56.958474033	-158.639682837	23.496	Approximate Tundra Grid Flag Location	09/28/2011 09:32:02	0.01095	0.01661	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0491	56.958462285	-158.639644407	23.508	Approximate Tundra Grid Flag Location	09/28/2011 09:32:15	0.00717	0.01100	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0491	56.958462285	-158.639644407	23.508	Approximate Tundra Grid Flag Location	09/28/2011 09:32:15	0.00717	0.01100	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0492	56.958399312	-158.639598599	23.629	Approximate Tundra Grid Flag Location	09/28/2011 09:32:33	0.00814	0.01239	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0492	56.958399312	-158.639598599	23.629	Approximate Tundra Grid Flag Location	09/28/2011 09:32:33	0.00814	0.01239	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0493	56.958503684	-158.639631342	23.542	Approximate Tundra Grid Flag Location	09/28/2011 09:32:57	0.00829	0.01269	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0493	56.958503684	-158.639631342	23.542	Approximate Tundra Grid Flag Location	09/28/2011 09:32:57	0.00829	0.01269	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0494	56.958531829	-158.639576017	23.562	Approximate Tundra Grid Flag Location	09/28/2011 09:33:10	0.00654	0.00987	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0494	56.958531829	-158.639576017	23.562	Approximate Tundra Grid Flag Location	09/28/2011 09:33:10	0.00654	0.00987	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0495	56.958559381	-158.639521148	23.614	Approximate Tundra Grid Flag Location	09/28/2011 09:33:30	0.00626	0.00957	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0495	56.958559381	-158.639521148	23.614	Approximate Tundra Grid Flag Location	09/28/2011 09:33:30	0.00626	0.00957	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0496	56.958563513	-158.639506959	23.653	Approximate Tundra Grid Flag Location	09/28/2011 09:33:43	0.00643	0.00970	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0496	56.958563513	-158.639506959	23.653	Approximate Tundra Grid Flag Location	09/28/2011 09:33:43	0.00643	0.00970	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0497	56.958593108	-158.639457011	23.801	Approximate Tundra Grid Flag Location	09/28/2011 09:34:00	0.00579	0.00909	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0497	56.958593108	-158.639457011	23.801	Approximate Tundra Grid Flag Location	09/28/2011 09:34:00	0.00579	0.00909	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0498	56.958620107	-158.639400161	23.735	Approximate Tundra Grid Flag Location	09/28/2011 09:34:17	0.00699	0.01098	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0498	56.958620107	-158.639400161	23.735	Approximate Tundra Grid Flag Location	09/28/2011 09:34:17	0.00699	0.01098	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0499	56.958647016	-158.639344396	23.542	Approximate Tundra Grid Flag Location	09/28/2011 09:34:32	0.00691	0.01100	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0499	56.958647016	-158.639344396	23.542	Approximate Tundra Grid Flag Location	09/28/2011 09:34:32	0.00691	0.01100	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0500	56.958631842	-158.639305146	23.543	Approximate Tundra Grid Flag Location	09/28/2011 09:34:46	0.00670	0.01007	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0500	56.958631842	-158.639305146	23.543	Approximate Tundra Grid Flag Location	09/28/2011 09:34:46	0.00670	0.01007	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0501	56.958576872	-158.639241333	23.982	Approximate Tundra Grid Flag Location	09/28/2011 09:35:08	0.01372	0.02182	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0501	56.958576872	-158.639241333	23.982	Approximate Tundra Grid Flag Location	09/28/2011 09:35:08	0.01372	0.02182	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0502	56.958673485	-158.639283380	23.461	Approximate Tundra Grid Flag Location	09/28/2011 09:35:32	0.00697	0.01086	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0502	56.958673485	-158.639283380	23.461	Approximate Tundra Grid Flag Location	09/28/2011 09:35:32	0.00697	0.01086	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0503	56.958699201	-158.639224171	23.487	Approximate Tundra Grid Flag Location	09/28/2011 09:35:48	0.00637	0.00953	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0503	56.958699201	-158.639224171	23.487	Approximate Tundra Grid Flag Location	09/28/2011 09:35:48	0.00637	0.00953	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0504	56.958722075	-158.639171450	23.559	Approximate Tundra Grid Flag Location	09/28/2011 09:36:02	0.00605	0.00959	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0504	56.958723075	-158.639171450	23.559	Approximate Tundra Grid Flag Location	09/28/2011 09:36:02	0.00605	0.00959	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0505	56.958736520	-158.639139612	23.523	Approximate Tundra Grid Flag Location	09/28/2011 09:36:17	0.00844	0.01336	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0505	56.958736520	-158.639139612	23.523	Approximate Tundra Grid Flag Location	09/28/2011 09:36:17	0.00844	0.01336	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0506	56.958764632	-158.639082336	23.546	Approximate Tundra Grid Flag Location	09/28/2011 09:36:36	0.00632	0.00955	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0506	56.958764632	-158.639082336	23.546	Approximate Tundra Grid Flag Location	09/28/2011 09:36:36	0.00632	0.00955	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0507	56.958789038	-158.639023965	23.645	Approximate Tundra Grid Flag Location	09/28/2011 09:36:52	0.00585	0.00873	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0507	56.958789038	-158.639023965	23.645	Approximate Tundra Grid Flag Location	09/28/2011 09:36:52	0.00585	0.00873	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0508	56.958839873	-158.638906608	23.782	Approximate Tundra Grid Flag Location	09/28/2011 09:37:21	0.00653	0.01031	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0508	56.958839873	-158.638906608	23.782	Approximate Tundra Grid Flag Location	09/28/2011 09:37:21	0.00653	0.01031	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0509	56.958868128	-158.638838192	23.638	Approximate Tundra Grid Flag Location	09/28/2011 09:37:49	0.00660	0.00983	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0509	56.958868128	-158.638838192	23.638	Approximate Tundra Grid Flag Location	09/28/2011 09:37:49	0.00660	0.00983	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0510	56.958893020	-158.638791081	23.693	Approximate Tundra Grid Flag Location	09/28/2011 09:38:08	0.00661	0.01040	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0510	56.958893020	-158.638791081	23.693	Approximate Tundra Grid Flag Location	09/28/2011 09:38:08	0.00661	0.01040	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0511	56.958919750	-158.638730994	23.725	Approximate Tundra Grid Flag Location	09/28/2011 09:38:25	0.00654	0.00977	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0511	56.958919750	-158.638730994	23.725	Approximate Tundra Grid Flag Location	09/28/2011 09:38:25	0.00654	0.00977	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0512	56.958949996	-158.638678958	23.762	Approximate Tundra Grid Flag Location	09/28/2011 09:38:44	0.00662	0.00993	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0512	56.958949996	-158.638678958	23.762	Approximate Tundra Grid Flag Location	09/28/2011 09:38:44	0.00662	0.00993	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0513	56.959001123	-158.638608816	23.601	Approximate Tundra Grid Flag Location	09/28/2011 09:39:17	0.00753	0.01117	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0513	56.959001123	-158.638608816	23.601	Approximate Tundra Grid Flag Location	09/28/2011 09:39:17	0.00753	0.01117	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0514	56.960075617	-158.636561774	24.865	Approximate Tundra Grid Flag Location	09/28/2011 09:51:22	0.00685	0.01022	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0514	56.960075617	-158.636561774	24.865	Approximate Tundra Grid Flag Location	09/28/2011 09:51:22	0.00685	0.01022	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0515	56.960050042	-158.636605520	24.603	Approximate Tundra Grid Flag Location	09/28/2011 09:51:37	0.00657	0.00949	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0515	56.960050042	-158.636605520	24.603	Approximate Tundra Grid Flag Location	09/28/2011 09:51:37	0.00657	0.00949	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0516	56.960022308	-158.636660505	24.360	Approximate Tundra Grid Flag Location	09/28/2011 09:51:54	0.00815	0.01175	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0516	56.960022308	-158.636660505	24.360	Approximate Tundra Grid Flag Location	09/28/2011 09:51:54	0.00815	0.01175	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0517	56.959995321	-158.636712214	24.258	Approximate Tundra Grid Flag Location	09/28/2011 09:52:10	0.00809	0.01167	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0517	56.959995321	-158.636712214	24.258	Approximate Tundra Grid Flag Location	09/28/2011 09:52:10	0.00809	0.01167	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0518	56.959968790	-158.636762240	24.142	Approximate Tundra Grid Flag Location	09/28/2011 09:52:27	0.00938	0.01352	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0518	56.959968790	-158.636762240	24.142	Approximate Tundra Grid Flag Location	09/28/2011 09:52:27	0.00938	0.01352	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0519	56.959937317	-158.636822995	24.288	Approximate Tundra Grid Flag Location	09/28/2011 09:52:43	0.00925	0.01333	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0519	56.959937317	-158.636822995	24.288	Approximate Tundra Grid Flag Location	09/28/2011 09:52:43	0.00925	0.01333	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0520	56.959908438	-158.636877576	24.268	Approximate Tundra Grid Flag Location	09/28/2011 09:53:01	0.00612	0.00882	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0520	56.959908438	-158.636877576	24.268	Approximate Tundra Grid Flag Location	09/28/2011 09:53:01	0.00612	0.00882	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0521	56.959880916	-158.636933359	24.456	Approximate Tundra Grid Flag Location	09/28/2011 09:53:15	0.00937	0.01400	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0521	56.959880916	-158.636933359	24.456	Approximate Tundra Grid Flag Location	09/28/2011 09:53:15	0.00937	0.01400	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0522	56.959863026	-158.636966953	24.444	Approximate Tundra Grid Flag Location	09/28/2011 09:53:26	0.00704	0.01052	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0522	56.959863026	-158.636966953	24.444	Approximate Tundra Grid Flag Location	09/28/2011 09:53:26	0.00704	0.01052	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0523	56.959836603	-158.637022102	24.549	Approximate Tundra Grid Flag Location	09/28/2011 09:53:43	0.00573	0.00825	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0523	56.959836603	-158.637022102	24.549	Approximate Tundra Grid Flag Location	09/28/2011 09:53:43	0.00573	0.00825	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0524	56.959809534	-158.637076407	24.701	Approximate Tundra Grid Flag Location	09/28/2011 09:53:59	0.00748	0.01077	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0524	56.959809534	-158.637076407	24.701	Approximate Tundra Grid Flag Location	09/28/2011 09:53:59	0.00748	0.01077	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0525	56.959781899	-158.637132669	24.791	Approximate Tundra Grid Flag Location	09/28/2011 09:54:14	0.00627	0.00903	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0525	56.959781899	-158.637132669	24.791	Approximate Tundra Grid Flag Location	09/28/2011 09:54:14	0.00627	0.00903	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0526	56.959753517	-158.637188978	24.893	Approximate Tundra Grid Flag Location	09/28/2011 09:54:29	0.00616	0.00887	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0526	56.959753517	-158.637188978	24.893	Approximate Tundra Grid Flag Location	09/28/2011 09:54:29	0.00616	0.00887	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0527	56.959725024	-158.637243102	24.839	Approximate Tundra Grid Flag Location	09/28/2011 09:54:43	0.00899	0.01294	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0527	56.959725024	-158.637243102	24.839	Approximate Tundra Grid Flag Location	09/28/2011 09:54:43	0.00899	0.01294	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0528	56.959697265	-158.637298299	24.778	Approximate Tundra Grid Flag Location	09/28/2011 09:54:57	0.00775	0.01115	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0528	56.959697265	-158.637298299	24.778	Approximate Tundra Grid Flag Location	09/28/2011 09:54:57	0.00775	0.01115	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0529	56.959677661	-158.637335383	24.688	Approximate Tundra Grid Flag Location	09/28/2011 09:55:11	0.00743	0.01070	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0529	56.959677661	-158.637335383	24.688	Approximate Tundra Grid Flag Location	09/28/2011 09:55:11	0.00743	0.01070	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0530	56.959650143	-158.637390044	24.575	Approximate Tundra Grid Flag Location	09/28/2011 09:55:30	0.00732	0.01091	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0530	56.959650143	-158.637390044	24.575	Approximate Tundra Grid Flag Location	09/28/2011 09:55:30	0.00732	0.01091	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0531	56.959622663	-158.637446108	24.446	Approximate Tundra Grid Flag Location	09/28/2011 09:55:43	0.00699	0.01040	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0531	56.959622663	-158.637446108	24.446	Approximate Tundra Grid Flag Location	09/28/2011 09:55:43	0.00699	0.01040	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0532	56.959594703	-158.637502298	24.285	Approximate Tundra Grid Flag Location	09/28/2011 09:55:59	0.00633	0.00942	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0532	56.959594703	-158.637502298	24.285	Approximate Tundra Grid Flag Location	09/28/2011 09:55:59	0.00633	0.00942	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0533	56.959568415	-158.637558345	24.135	Approximate Tundra Grid Flag Location	09/28/2011 09:56:13	0.00716	0.01065	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0533	56.959568415	-158.637558345	24.135	Approximate Tundra Grid Flag Location	09/28/2011 09:56:13	0.00716	0.01065	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0534	56.959541512	-158.637614185	24.091	Approximate Tundra Grid Flag Location	09/28/2011 09:56:28	0.00805	0.01198	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0534	56.959541512	-158.637614185	24.091	Approximate Tundra Grid Flag Location	09/28/2011 09:56:28	0.00805	0.01198	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0535	56.959515277	-158.637672966	24.050	Approximate Tundra Grid Flag Location	09/28/2011 09:56:42	0.00983	0.01462	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0535	56.959515277	-158.637672966	24.050	Approximate Tundra Grid Flag Location	09/28/2011 09:56:42	0.00983	0.01462	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0536	56.959492006	-158.637721846	23.982	Approximate Tundra Grid Flag Location	09/28/2011 09:56:58	0.01207	0.01794	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0536	56.959492006	-158.637721846	23.982	Approximate Tundra Grid Flag Location	09/28/2011 09:56:58	0.01207	0.01794	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0537	56.959465440	-158.637779251	23.972	Approximate Tundra Grid Flag Location	09/28/2011 09:57:13	0.00959	0.01425	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0537	56.959465440	-158.637779251	23.972	Approximate Tundra Grid Flag Location	09/28/2011 09:57:13	0.00959	0.01425	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0538	56.959437426	-158.637834766	23.941	Approximate Tundra Grid Flag Location	09/28/2011 09:57:31	0.00798	0.01192	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0538	56.959437426	-158.637834766	23.941	Approximate Tundra Grid Flag Location	09/28/2011 09:57:31	0.00798	0.01192	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0539	56.959410420	-158.637889674	23.876	Approximate Tundra Grid Flag Location	09/28/2011 09:57:47	0.00735	0.01092	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0539	56.959410420	-158.637889674	23.876	Approximate Tundra Grid Flag Location	09/28/2011 09:57:47	0.00735	0.01092	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0540	56.959383931	-158.637949158	23.803	Approximate Tundra Grid Flag Location	09/28/2011 09:58:01	0.00606	0.00900	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0540	56.959383931	-158.637949158	23.803	Approximate Tundra Grid Flag Location	09/28/2011 09:58:01	0.00606	0.00900	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0541	56.959354136	-158.638004833	23.646	Approximate Tundra Grid Flag Location	09/28/2011 09:58:16	0.00738	0.01122	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0541	56.959354136	-158.638004833	23.646	Approximate Tundra Grid Flag Location	09/28/2011 09:58:16	0.00738	0.01122	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0542	56.959327442	-158.638061040	23.532	Approximate Tundra Grid Flag Location	09/28/2011 09:58:33	0.00643	0.00977	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0542	56.959327442	-158.638061040	23.532	Approximate Tundra Grid Flag Location	09/28/2011 09:58:33	0.00643	0.00977	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0543	56.959308117	-158.638107340	23.530	Approximate Tundra Grid Flag Location	09/28/2011 09:58:48	0.00742	0.01162	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0543	56.959308117	-158.638107340	23.530	Approximate Tundra Grid Flag Location	09/28/2011 09:58:48	0.00742	0.01162	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0544	56.959280952	-158.638165227	23.532	Approximate Tundra Grid Flag Location	09/28/2011 09:59:05	0.00785	0.01199	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0544	56.959280952	-158.638165227	23.532	Approximate Tundra Grid Flag Location	09/28/2011 09:59:05	0.00785	0.01199	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0545	56.959254280	-158.638224490	23.462	Approximate Tundra Grid Flag Location	09/28/2011 09:59:20	0.00598	0.00909	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0545	56.959254280	-158.638224490	23.462	Approximate Tundra Grid Flag Location	09/28/2011 09:59:20	0.00598	0.00909	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0546	56.959220080	-158.638275868	23.616	Approximate Tundra Grid Flag Location	09/28/2011 09:59:38	0.00796	0.01228	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0546	56.959220080	-158.638275868	23.616	Approximate Tundra Grid Flag Location	09/28/2011 09:59:38	0.00796	0.01228	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0547	56.959196347	-158.638338218	23.416	Approximate Tundra Grid Flag Location	09/28/2011 09:59:54	0.00940	0.01404	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0547	56.959196347	-158.638338218	23.416	Approximate Tundra Grid Flag Location	09/28/2011 09:59:54	0.00940	0.01404	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0548	56.959167178	-158.638394054	23.304	Approximate Tundra Grid Flag Location	09/28/2011 10:00:11	0.01044	0.01759	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0548	56.959167178	-158.638394054	23.304	Approximate Tundra Grid Flag Location	09/28/2011 10:00:11	0.01044	0.01759	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0549	56.959162568	-158.638298435	23.369	Approximate Tundra Grid Flag Location	09/28/2011 10:00:50	0.01846	0.02227	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0549	56.959162568	-158.638298435	23.369	Approximate Tundra Grid Flag Location	09/28/2011 10:00:50	0.01846	0.02227	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0550	56.959191600	-158.638237156	23.438	Approximate Tundra Grid Flag Location	09/28/2011 10:01:19	0.00900	0.01328	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0550	56.959191600	-158.638237156	23.438	Approximate Tundra Grid Flag Location	09/28/2011 10:01:19	0.00900	0.01328	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0551	56.959167313	-158.638240386	23.417	Approximate Tundra Grid Flag Location	09/28/2011 10:01:38	0.01066	0.01776	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0551	56.959167313	-158.638240386	23.417	Approximate Tundra Grid Flag Location	09/28/2011 10:01:38	0.01066	0.01776	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0552	56.959223295	-158.638174992	23.548	Approximate Tundra Grid Flag Location	09/28/2011 10:02:11	0.00612	0.00827	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0552	56.959223295	-158.638174992	23.548	Approximate Tundra Grid Flag Location	09/28/2011 10:02:11	0.00612	0.00827	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0553	56.959245363	-158.638126532	23.538	Approximate Tundra Grid Flag Location	09/28/2011 10:02:44	0.01082	0.01536	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0553	56.959245363	-158.638126532	23.538	Approximate Tundra Grid Flag Location	09/28/2011 10:02:44	0.01082	0.01536	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0554	56.959297905	-158.638005548	23.612	Approximate Tundra Grid Flag Location	09/28/2011 10:03:28	0.01227	0.01753	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0554	56.959297905	-158.638005548	23.612	Approximate Tundra Grid Flag Location	09/28/2011 10:03:28	0.01227	0.01753	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0555	56.959320020	-158.637958179	23.558	Approximate Tundra Grid Flag Location	09/28/2011 10:03:59	0.00681	0.00998	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0555	56.959320020	-158.637958179	23.558	Approximate Tundra Grid Flag Location	09/28/2011 10:03:59	0.00681	0.00998	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0556	56.959351768	-158.637897650	23.785	Approximate Tundra Grid Flag Location	09/28/2011 10:04:29	0.00704	0.01005	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0556	56.959351768	-158.637897650	23.785	Approximate Tundra Grid Flag Location	09/28/2011 10:04:29	0.00704	0.01005	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0557	56.959318700	-158.637852450	23.819	Approximate Tundra Grid Flag Location	09/28/2011 10:04:46	0.00633	0.00926	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0557	56.959318700	-158.637852450	23.819	Approximate Tundra Grid Flag Location	09/28/2011 10:04:46	0.00633	0.00926	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0558	56.959377646	-158.637843487	23.992	Approximate Tundra Grid Flag Location	09/28/2011 10:05:03	0.01021	0.01455	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0558	56.959377646	-158.637843487	23.992	Approximate Tundra Grid Flag Location	09/28/2011 10:05:03	0.01021	0.01455	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0559	56.959345876	-158.637797153	24.111	Approximate Tundra Grid Flag Location	09/28/2011 10:05:17	0.00528	0.00761	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0559	56.959345876	-158.637797153	24.111	Approximate Tundra Grid Flag Location	09/28/2011 10:05:17	0.00528	0.00761	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0560	56.959368713	-158.637792911	23.958	Approximate Tundra Grid Flag Location	09/28/2011 10:05:29	0.00631	0.00909	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0560	56.959368713	-158.637792911	23.958	Approximate Tundra Grid Flag Location	09/28/2011 10:05:29	0.00631	0.00909	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0561	56.959310999	-158.637728908	23.885	Approximate Tundra Grid Flag Location	09/28/2011 10:05:46	0.00917	0.01320	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0561	56.959310999	-158.637728908	23.885	Approximate Tundra Grid Flag Location	09/28/2011 10:05:46	0.00917	0.01320	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0562	56.959378903	-158.637726915	23.959	Approximate Tundra Grid Flag Location	09/28/2011 10:06:06	0.00707	0.01007	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0562	56.959378903	-158.637726915	23.959	Approximate Tundra Grid Flag Location	09/28/2011 10:06:06	0.00707	0.01007	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0563	56.959407315	-158.637781289	23.924	Approximate Tundra Grid Flag Location	09/28/2011 10:06:22	0.00592	0.00843	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0563	56.959407315	-158.637781289	23.924	Approximate Tundra Grid Flag Location	09/28/2011 10:06:22	0.00592	0.00843	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0564	56.959401421	-158.637677231	24.125	Approximate Tundra Grid Flag Location	09/28/2011 10:07:23	0.00687	0.00978	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0564	56.959401421	-158.637677231	24.125	Approximate Tundra Grid Flag Location	09/28/2011 10:07:23	0.00687	0.00978	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0565	56.959433630	-158.637726725	24.007	Approximate Tundra Grid Flag Location	09/28/2011 10:07:37	0.00653	0.00931	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0565	56.959433630	-158.637726725	24.007	Approximate Tundra Grid Flag Location	09/28/2011 10:07:37	0.00653	0.00931	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0566	56.959461492	-158.637669721	24.119	Approximate Tundra Grid Flag Location	09/28/2011 10:07:52	0.00684	0.00975	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0566	56.959461492	-158.637669721	24.119	Approximate Tundra Grid Flag Location	09/28/2011 10:07:52	0.00684	0.00975	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0567	56.959486181	-158.637625048	24.114	Approximate Tundra Grid Flag Location	09/28/2011 10:08:11	0.00589	0.00839	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0567	56.959486181	-158.637625048	24.114	Approximate Tundra Grid Flag Location	09/28/2011 10:08:11	0.00589	0.00839	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0568	56.959509292	-158.637571111	24.079	Approximate Tundra Grid Flag Location	09/28/2011 10:08:33	0.00762	0.01076	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0568	56.959509292	-158.637571111	24.079	Approximate Tundra Grid Flag Location	09/28/2011 10:08:33	0.00762	0.01076	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0569	56.959537597	-158.637511275	24.119	Approximate Tundra Grid Flag Location	09/28/2011 10:08:48	0.00681	0.00970	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0569	56.959537597	-158.637511275	24.119	Approximate Tundra Grid Flag Location	09/28/2011 10:08:48	0.00681	0.00970	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0570	56.959564197	-158.637461096	24.156	Approximate Tundra Grid Flag Location	09/28/2011 10:09:08	0.00683	0.00924	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0570	56.959564197	-158.637461096	24.156	Approximate Tundra Grid Flag Location	09/28/2011 10:09:08	0.00683	0.00924	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0571	56.959593373	-158.637401904	24.200	Approximate Tundra Grid Flag Location	09/28/2011 10:09:28	0.00581	0.00828	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0571	56.959593373	-158.637401904	24.200	Approximate Tundra Grid Flag Location	09/28/2011 10:09:28	0.00581	0.00828	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0572	56.959620780	-158.637345393	24.349	Approximate Tundra Grid Flag Location	09/28/2011 10:09:42	0.00585	0.00834	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0572	56.959620780	-158.637345393	24.349	Approximate Tundra Grid Flag Location	09/28/2011 10:09:42	0.00585	0.00834	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0573	56.959647990	-158.637290859	24.424	Approximate Tundra Grid Flag Location	09/28/2011 10:09:56	0.00506	0.00722	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0573	56.959647990	-158.637290859	24.424	Approximate Tundra Grid Flag Location	09/28/2011 10:09:56	0.00506	0.00722	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0574	56.959666178	-158.637256608	24.507	Approximate Tundra Grid Flag Location	09/28/2011 10:10:06	0.00640	0.00913	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0574	56.959666178	-158.637256608	24.507	Approximate Tundra Grid Flag Location	09/28/2011 10:10:06	0.00640	0.00913	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0575	56.959693112	-158.637201059	24.557	Approximate Tundra Grid Flag Location	09/28/2011 10:10:20	0.01112	0.01586	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0575	56.959693112	-158.637201059	24.557	Approximate Tundra Grid Flag Location	09/28/2011 10:10:20	0.01112	0.01586	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0576	56.959548892	-158.637411068	24.352	Approximate Tundra Grid Flag Location	09/28/2011 10:11:18	0.00623	0.00890	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0576	56.959548892	-158.637411068	24.352	Approximate Tundra Grid Flag Location	09/28/2011 10:11:18	0.00623	0.00890	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0577	56.959495192	-158.637343676	24.358	Approximate Tundra Grid Flag Location	09/28/2011 10:11:35	0.00885	0.01319	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0577	56.959495192	-158.637343676	24.358	Approximate Tundra Grid Flag Location	09/28/2011 10:11:35	0.00885	0.01319	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0578	56.959723167	-158.637144392	24.600	Approximate Tundra Grid Flag Location	09/28/2011 10:12:21	0.00963	0.01437	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0578	56.959723167	-158.637144392	24.600	Approximate Tundra Grid Flag Location	09/28/2011 10:12:21	0.00963	0.01437	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0579	56.959751016	-158.637091097	24.593	Approximate Tundra Grid Flag Location	09/28/2011 10:12:36	0.00551	0.00789	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0579	56.959751016	-158.637091097	24.593	Approximate Tundra Grid Flag Location	09/28/2011 10:12:36	0.00551	0.00789	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0580	56.959733311	-158.637036358	24.710	Approximate Tundra Grid Flag Location	09/28/2011 10:12:53	0.00852	0.01219	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0580	56.959733311	-158.637036358	24.710	Approximate Tundra Grid Flag Location	09/28/2011 10:12:53	0.00852	0.01219	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0581	56.959779344	-158.637033100	24.498	Approximate Tundra Grid Flag Location	09/28/2011 10:13:13	0.00741	0.01060	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0581	56.959779344	-158.637033100	24.498	Approximate Tundra Grid Flag Location	09/28/2011 10:13:13	0.00741	0.01060	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0582	56.959808184	-158.636976218	24.339	Approximate Tundra Grid Flag Location	09/28/2011 10:13:28	0.00888	0.01272	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0582	56.959808184	-158.636976218	24.339	Approximate Tundra Grid Flag Location	09/28/2011 10:13:28	0.00888	0.01272	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0583	56.959833910	-158.636923831	24.188	Approximate Tundra Grid Flag Location	09/28/2011 10:13:42	0.00596	0.00854	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0583	56.959833910	-158.636923831	24.188	Approximate Tundra Grid Flag Location	09/28/2011 10:13:42	0.00596	0.00854	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0584	56.959847915	-158.636896178	24.161	Approximate Tundra Grid Flag Location	09/28/2011 10:13:53	0.00699	0.01002	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0584	56.959847915	-158.636896178	24.161	Approximate Tundra Grid Flag Location	09/28/2011 10:13:53	0.00699	0.01002	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0585	56.959880153	-158.636834870	23.970	Approximate Tundra Grid Flag Location	09/28/2011 10:14:09	0.00605	0.00867	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0585	56.959880153	-158.636834870	23.970	Approximate Tundra Grid Flag Location	09/28/2011 10:14:09	0.00605	0.00867	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0586	56.959904718	-158.636772683	24.054	Approximate Tundra Grid Flag Location	09/28/2011 10:14:27	0.00596	0.00863	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0586	56.959904718	-158.636772683	24.054	Approximate Tundra Grid Flag Location	09/28/2011 10:14:27	0.00596	0.00863	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0587	56.959936012	-158.636712997	24.020	Approximate Tundra Grid Flag Location	09/28/2011 10:14:47	0.01099	0.01536	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0587	56.959936012	-158.636712997	24.020	Approximate Tundra Grid Flag Location	09/28/2011 10:14:47	0.01099	0.01536	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0588	56.959924111	-158.636669851	24.017	Approximate Tundra Grid Flag Location	09/28/2011 10:15:07	0.00637	0.00914	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0588	56.959924111	-158.636669851	24.017	Approximate Tundra Grid Flag Location	09/28/2011 10:15:07	0.00637	0.00914	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0589	56.959874413	-158.636579014	23.996	Approximate Tundra Grid Flag Location	09/28/2011 10:15:24	0.00794	0.01204	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0589	56.959874413	-158.636579014	23.996	Approximate Tundra Grid Flag Location	09/28/2011 10:15:24	0.00794	0.01204	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0590	56.959963796	-158.636663330	24.086	Approximate Tundra Grid Flag Location	09/28/2011 10:15:49	0.00766	0.01031	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0590	56.959963796	-158.636663330	24.086	Approximate Tundra Grid Flag Location	09/28/2011 10:15:49	0.00766	0.01031	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0591	56.959990357	-158.636612882	24.038	Approximate Tundra Grid Flag Location	09/28/2011 10:16:06	0.00860	0.01238	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0591	56.959990357	-158.636612882	24.038	Approximate Tundra Grid Flag Location	09/28/2011 10:16:06	0.00860	0.01238	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0592	56.960017442	-158.636564013	24.313	Approximate Tundra Grid Flag Location	09/28/2011 10:16:23	0.00593	0.00854	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0592	56.960017442	-158.636564013	24.313	Approximate Tundra Grid Flag Location	09/28/2011 10:16:23	0.00593	0.00854	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0593	56.960047517	-158.636507982	24.487	Approximate Tundra Grid Flag Location	09/28/2011 10:16:39	0.00792	0.01141	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0593	56.960047517	-158.636507982	24.487	Approximate Tundra Grid Flag Location	09/28/2011 10:16:39	0.00792	0.01141	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0594	56.960111138	-158.636497086	25.043	Approximate Tundra Grid Flag Location	09/28/2011 10:26:02	0.00644	0.00956	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0594	56.960111138	-158.636497086	25.043	Approximate Tundra Grid Flag Location	09/28/2011 10:26:02	0.00644	0.00956	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0595	56.960142601	-158.636446394	25.342	Approximate Tundra Grid Flag Location	09/28/2011 10:26:16	0.00604	0.00904	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0595	56.960142601	-158.636446394	25.342	Approximate Tundra Grid Flag Location	09/28/2011 10:26:16	0.00604	0.00904	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0596	56.960180150	-158.636394408	25.511	Approximate Tundra Grid Flag Location	09/28/2011 10:26:31	0.00560	0.00838	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0596	56.960180150	-158.636394408	25.511	Approximate Tundra Grid Flag Location	09/28/2011 10:26:31	0.00560	0.00838	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0597	56.960213155	-158.636349675	25.588	Approximate Tundra Grid Flag Location	09/28/2011 10:26:47	0.00752	0.01118	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0597	56.960213155	-158.636349675	25.588	Approximate Tundra Grid Flag Location	09/28/2011 10:26:47	0.00752	0.01118	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0598	56.960250136	-158.636307956	25.693	Approximate Tundra Grid Flag Location	09/28/2011 10:27:01	0.00540	0.00810	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0598	56.960250136	-158.636307956	25.693	Approximate Tundra Grid Flag Location	09/28/2011 10:27:01	0.00540	0.00810	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0599	56.960290446	-158.636268592	25.678	Approximate Tundra Grid Flag Location	09/28/2011 10:27:19	0.00562	0.00837	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0599	56.960290446	-158.636268592	25.678	Approximate Tundra Grid Flag Location	09/28/2011 10:27:19	0.00562	0.00837	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0600	56.960325052	-158.636238340	25.628	Approximate Tundra Grid Flag Location	09/28/2011 10:27:39	0.00635	0.00947	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0600	56.960325052	-158.636238340	25.628	Approximate Tundra Grid Flag Location	09/28/2011 10:27:39	0.00635	0.00947	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0601	56.960367496	-158.636206640	25.732	Approximate Tundra Grid Flag Location	09/28/2011 10:27:52	0.00505	0.00754	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0601	56.960367496	-158.636206640	25.732	Approximate Tundra Grid Flag Location	09/28/2011 10:27:52	0.00505	0.00754	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0602	56.960409914	-158.636177237	25.757	Approximate Tundra Grid Flag Location	09/28/2011 10:28:07	0.00714	0.01066	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0602	56.960409914	-158.636177237	25.757	Approximate Tundra Grid Flag Location	09/28/2011 10:28:07	0.00714	0.01066	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0603	56.960447703	-158.636152571	25.842	Approximate Tundra Grid Flag Location	09/28/2011 10:28:22	0.00542	0.00801	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0603	56.960447703	-158.636152571	25.842	Approximate Tundra Grid Flag Location	09/28/2011 10:28:22	0.00542	0.00801	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0604	56.960487809	-158.636128506	25.870	Approximate Tundra Grid Flag Location	09/28/2011 10:28:37	0.00728	0.01083	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0604	56.960487809	-158.636128506	25.870	Approximate Tundra Grid Flag Location	09/28/2011 10:28:37	0.00728	0.01083	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0605	56.960528996	-158.636105108	25.967	Approximate Tundra Grid Flag Location	09/28/2011 10:28:50	0.00673	0.00996	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0605	56.960528996	-158.636105108	25.967	Approximate Tundra Grid Flag Location	09/28/2011 10:28:50	0.00673	0.00996	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0606	56.960573686	-158.636084480	26.015	Approximate Tundra Grid Flag Location	09/28/2011 10:29:03	0.01121	0.01678	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0606	56.960573686	-158.636084480	26.015	Approximate Tundra Grid Flag Location	09/28/2011 10:29:03	0.01121	0.01678	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0607	56.960608603	-158.636073466	25.948	Approximate Tundra Grid Flag Location	09/28/2011 10:29:15	0.00685	0.01015	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0607	56.960608603	-158.636073466	25.948	Approximate Tundra Grid Flag Location	09/28/2011 10:29:15	0.00685	0.01015	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0608	56.960651300	-158.636065988	25.962	Approximate Tundra Grid Flag Location	09/28/2011 10:29:28	0.00969	0.01472	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0608	56.960651300	-158.636065988	25.962	Approximate Tundra Grid Flag Location	09/28/2011 10:29:28	0.00969	0.01472	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0609	56.960694602	-158.636058319	25.805	Approximate Tundra Grid Flag Location	09/28/2011 10:29:41	0.00632	0.00961	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0609	56.960694602	-158.636058319	25.805	Approximate Tundra Grid Flag Location	09/28/2011 10:29:41	0.00632	0.00961	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0610	56.960737083	-158.636054458	25.716	Approximate Tundra Grid Flag Location	09/28/2011 10:29:54	0.00710	0.01079	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0610	56.960737083	-158.636054458	25.716	Approximate Tundra Grid Flag Location	09/28/2011 10:29:54	0.00710	0.01079	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0611	56.960778887	-158.636049335	25.402	Approximate Tundra Grid Flag Location	09/28/2011 10:30:06	0.00616	0.00937	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0611	56.960778887	-158.636049335	25.402	Approximate Tundra Grid Flag Location	09/28/2011 10:30:06	0.00616	0.00937	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0612	56.960819260	-158.636048282	25.110	Approximate Tundra Grid Flag Location	09/28/2011 10:30:19	0.00580	0.00883	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0612	56.960819260	-158.636048282	25.110	Approximate Tundra Grid Flag Location	09/28/2011 10:30:19	0.00580	0.00883	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0613	56.960862725	-158.636045404	24.807	Approximate Tundra Grid Flag Location	09/28/2011 10:30:32	0.00984	0.01506	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0613	56.960862725	-158.636045404	24.807	Approximate Tundra Grid Flag Location	09/28/2011 10:30:32	0.00984	0.01506	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0614	56.960898322	-158.636048444	24.670	Approximate Tundra Grid Flag Location	09/28/2011 10:30:43	0.00866	0.01323	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0614	56.960898322	-158.636048444	24.670	Approximate Tundra Grid Flag Location	09/28/2011 10:30:43	0.00866	0.01323	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0615	56.960938287	-158.636047073	24.466	Approximate Tundra Grid Flag Location	09/28/2011 10:30:57	0.00709	0.01087	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0615	56.960938287	-158.636047073	24.466	Approximate Tundra Grid Flag Location	09/28/2011 10:30:57	0.00709	0.01087	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0616	56.960980077	-158.636048672	24.353	Approximate Tundra Grid Flag Location	09/28/2011 10:31:11	0.00631	0.00961	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0616	56.960980077	-158.636048672	24.353	Approximate Tundra Grid Flag Location	09/28/2011 10:31:11	0.00631	0.00961	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0617	56.961020113	-158.636050589	24.254	Approximate Tundra Grid Flag Location	09/28/2011 10:31:26	0.00779	0.01188	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0617	56.961020113	-158.636050589	24.254	Approximate Tundra Grid Flag Location	09/28/2011 10:31:26	0.00779	0.01188	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0618	56.961061961	-158.636052014	23.996	Approximate Tundra Grid Flag Location	09/28/2011 10:31:41	0.00576	0.00881	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0618	56.961061961	-158.636052014	23.996	Approximate Tundra Grid Flag Location	09/28/2011 10:31:41	0.00576	0.00881	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0619	56.961103706	-158.636055565	23.702	Approximate Tundra Grid Flag Location	09/28/2011 10:31:55	0.00798	0.01222	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0619	56.961103706	-158.636055565	23.702	Approximate Tundra Grid Flag Location	09/28/2011 10:31:55	0.00798	0.01222	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0620	56.961151960	-158.636062628	23.424	Approximate Tundra Grid Flag Location	09/28/2011 10:32:15	0.00715	0.01093	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0620	56.961151960	-158.636062628	23.424	Approximate Tundra Grid Flag Location	09/28/2011 10:32:15	0.00715	0.01093	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0621	56.961190530	-158.636068576	23.357	Approximate Tundra Grid Flag Location	09/28/2011 10:32:31	0.00840	0.01287	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0621	56.961190530	-158.636068576	23.357	Approximate Tundra Grid Flag Location	09/28/2011 10:32:31	0.00840	0.01287	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0622	56.961198398	-158.635993181	22.709	Approximate Tundra Grid Flag Location	09/28/2011 10:32:47	0.00880	0.01362	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0622	56.961198398	-158.635993181	22.709	Approximate Tundra Grid Flag Location	09/28/2011 10:32:47	0.00880	0.01362	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0623	56.961156362	-158.635988605	22.919	Approximate Tundra Grid Flag Location	09/28/2011 10:33:01	0.00740	0.01132	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0623	56.961156362	-158.635988605	22.919	Approximate Tundra Grid Flag Location	09/28/2011 10:33:01	0.00740	0.01132	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0624	56.961109126	-158.635980378	23.403	Approximate Tundra Grid Flag Location	09/28/2011 10:33:14	0.00963	0.01478	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0624	56.961109126	-158.635980378	23.403	Approximate Tundra Grid Flag Location	09/28/2011 10:33:14	0.00963	0.01478	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0625	56.961113206	-158.635912271	23.514	Approximate Tundra Grid Flag Location	09/28/2011 10:33:39	0.01047	0.01599	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0625	56.961113206	-158.635912271	23.514	Approximate Tundra Grid Flag Location	09/28/2011 10:33:39	0.01047	0.01599	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0626	56.961069043	-158.635902204	24.080	Approximate Tundra Grid Flag Location	09/28/2011 10:33:56	0.01960	0.02971	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0626	56.961069043	-158.635902204	24.080	Approximate Tundra Grid Flag Location	09/28/2011 10:33:56	0.01960	0.02971	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0627	56.961057279	-158.635819258	24.421	Approximate Tundra Grid Flag Location	09/28/2011 10:34:17	0.01342	0.01771	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0627	56.961057279	-158.635819258	24.421	Approximate Tundra Grid Flag Location	09/28/2011 10:34:17	0.01342	0.01771	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0628	56.961024740	-158.635825305	24.620	Approximate Tundra Grid Flag Location	09/28/2011 10:34:54	0.00555	0.00848	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0628	56.961024740	-158.635825305	24.620	Approximate Tundra Grid Flag Location	09/28/2011 10:34:54	0.00555	0.00848	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0629	56.961022015	-158.635897406	24.502	Approximate Tundra Grid Flag Location	09/28/2011 10:35:10	0.00811	0.01241	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0629	56.961022015	-158.635897406	24.502	Approximate Tundra Grid Flag Location	09/28/2011 10:35:10	0.00811	0.01241	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0630	56.961021529	-158.635971005	24.387	Approximate Tundra Grid Flag Location	09/28/2011 10:35:25	0.00636	0.00972	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0630	56.961021529	-158.635971005	24.387	Approximate Tundra Grid Flag Location	09/28/2011 10:35:25	0.00636	0.00972	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0631	56.961062305	-158.635973672	23.970	Approximate Tundra Grid Flag Location	09/28/2011 10:35:42	0.00659	0.01021	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0631	56.961062305	-158.635973672	23.970	Approximate Tundra Grid Flag Location	09/28/2011 10:35:42	0.00659	0.01021	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0632	56.961049612	-158.635940648	24.251	Approximate Tundra Grid Flag Location	09/28/2011 10:36:06	0.00661	0.01032	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0632	56.961049612	-158.635940648	24.251	Approximate Tundra Grid Flag Location	09/28/2011 10:36:06	0.00661	0.01032	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0633	56.960983322	-158.635972253	24.499	Approximate Tundra Grid Flag Location	09/28/2011 10:36:33	0.00837	0.01284	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0633	56.960983322	-158.635972253	24.499	Approximate Tundra Grid Flag Location	09/28/2011 10:36:33	0.00837	0.01284	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0634	56.960981006	-158.635899707	24.654	Approximate Tundra Grid Flag Location	09/28/2011 10:36:48	0.00617	0.00976	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0634	56.960981006	-158.635899707	24.654	Approximate Tundra Grid Flag Location	09/28/2011 10:36:48	0.00617	0.00976	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0635	56.960941904	-158.635970540	24.584	Approximate Tundra Grid Flag Location	09/28/2011 10:37:09	0.00769	0.01158	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0635	56.960941904	-158.635970540	24.584	Approximate Tundra Grid Flag Location	09/28/2011 10:37:09	0.00769	0.01158	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0636	56.960901218	-158.635972048	24.668	Approximate Tundra Grid Flag Location	09/28/2011 10:37:23	0.01000	0.01565	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0636	56.960901218	-158.635972048	24.668	Approximate Tundra Grid Flag Location	09/28/2011 10:37:23	0.01000	0.01565	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0637	56.960866438	-158.635969523	24.793	Approximate Tundra Grid Flag Location	09/28/2011 10:37:36	0.00836	0.01285	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0637	56.960866438	-158.635969523	24.793	Approximate Tundra Grid Flag Location	09/28/2011 10:37:36	0.00836	0.01285	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0638	56.960821658	-158.635972258	25.182	Approximate Tundra Grid Flag Location	09/28/2011 10:37:52	0.01304	0.01951	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0638	56.960821658	-158.635972258	25.182	Approximate Tundra Grid Flag Location	09/28/2011 10:37:52	0.01304	0.01951	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0639	56.960780426	-158.635974470	25.626	Approximate Tundra Grid Flag Location	09/28/2011 10:38:09	0.00827	0.01272	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0639	56.960780426	-158.635974470	25.626	Approximate Tundra Grid Flag Location	09/28/2011 10:38:09	0.00827	0.01272	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0640	56.960738934	-158.635980276	25.844	Approximate Tundra Grid Flag Location	09/28/2011 10:38:23	0.00681	0.01049	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0640	56.960738934	-158.635980276	25.844	Approximate Tundra Grid Flag Location	09/28/2011 10:38:23	0.00681	0.01049	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0641	56.960694734	-158.635981819	25.928	Approximate Tundra Grid Flag Location	09/28/2011 10:38:39	0.00703	0.01082	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0641	56.960694734	-158.635981819	25.928	Approximate Tundra Grid Flag Location	09/28/2011 10:38:39	0.00703	0.01082	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0642	56.960648692	-158.635993324	25.770	Approximate Tundra Grid Flag Location	09/28/2011 10:38:59	0.00717	0.01126	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0642	56.960648692	-158.635993324	25.770	Approximate Tundra Grid Flag Location	09/28/2011 10:38:59	0.00717	0.01126	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0643	56.960605726	-158.635996686	25.782	Approximate Tundra Grid Flag Location	09/28/2011 10:39:18	0.00626	0.00974	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0643	56.960605726	-158.635996686	25.782	Approximate Tundra Grid Flag Location	09/28/2011 10:39:18	0.00626	0.00974	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0644	56.960566963	-158.636010124	25.803	Approximate Tundra Grid Flag Location	09/28/2011 10:39:31	0.00525	0.00809	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0644	56.960566963	-158.636010124	25.803	Approximate Tundra Grid Flag Location	09/28/2011 10:39:31	0.00525	0.00809	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0645	56.960520012	-158.636030877	25.810	Approximate Tundra Grid Flag Location	09/28/2011 10:39:46	0.00662	0.01022	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0645	56.960520012	-158.636030877	25.810	Approximate Tundra Grid Flag Location	09/28/2011 10:39:46	0.00662	0.01022	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0646	56.960478092	-158.636054435	25.684	Approximate Tundra Grid Flag Location	09/28/2011 10:40:03	0.00560	0.00865	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0646	56.960478092	-158.636054435	25.684	Approximate Tundra Grid Flag Location	09/28/2011 10:40:03	0.00560	0.00865	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0647	56.960464631	-158.635985678	25.641	Approximate Tundra Grid Flag Location	09/28/2011 10:40:20	0.00691	0.01068	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0647	56.960464631	-158.635985678	25.641	Approximate Tundra Grid Flag Location	09/28/2011 10:40:20	0.00691	0.01068	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0648	56.960427318	-158.636007155	25.175	Approximate Tundra Grid Flag Location	09/28/2011 10:40:33	0.00897	0.01386	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0648	56.960427318	-158.636007155	25.175	Approximate Tundra Grid Flag Location	09/28/2011 10:40:33	0.00897	0.01386	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0649	56.960425334	-158.636033256	25.343	Approximate Tundra Grid Flag Location	09/28/2011 10:40:45	0.00965	0.01493	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0649	56.960425334	-158.636033256	25.343	Approximate Tundra Grid Flag Location	09/28/2011 10:40:45	0.00965	0.01493	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0650	56.960436465	-158.636079107	25.460	Approximate Tundra Grid Flag Location	09/28/2011 10:40:57	0.00926	0.01433	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0650	56.960436465	-158.636079107	25.460	Approximate Tundra Grid Flag Location	09/28/2011 10:40:57	0.00926	0.01433	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0651	56.960419265	-158.635936771	25.111	Approximate Tundra Grid Flag Location	09/28/2011 10:41:26	0.01041	0.01640	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0651	56.960419265	-158.635936771	25.111	Approximate Tundra Grid Flag Location	09/28/2011 10:41:26	0.01041	0.01640	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0652	56.960403541	-158.635919437	25.146	Approximate Tundra Grid Flag Location	09/28/2011 10:41:53	0.00870	0.01349	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0652	56.960403541	-158.635919437	25.146	Approximate Tundra Grid Flag Location	09/28/2011 10:41:53	0.00870	0.01349	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0653	56.960416576	-158.635864765	25.318	Approximate Tundra Grid Flag Location	09/28/2011 10:42:26	0.00903	0.01143	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0653	56.960416576	-158.635864765	25.318	Approximate Tundra Grid Flag Location	09/28/2011 10:42:26	0.00903	0.01143	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0654	56.960444322	-158.635844398	25.437	Approximate Tundra Grid Flag Location	09/28/2011 10:42:45	0.01040	0.01319	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0654	56.960444322	-158.635844398	25.437	Approximate Tundra Grid Flag Location	09/28/2011 10:42:45	0.01040	0.01319	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0655	56.960455013	-158.635914079	25.620	Approximate Tundra Grid Flag Location	09/28/2011 10:43:00	0.00787	0.01222	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0655	56.960455013	-158.635914079	25.620	Approximate Tundra Grid Flag Location	09/28/2011 10:43:00	0.00787	0.01222	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0656	56.960397204	-158.636101426	25.324	Approximate Tundra Grid Flag Location	09/28/2011 10:43:29	0.00605	0.00948	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0656	56.960397204	-158.636101426	25.324	Approximate Tundra Grid Flag Location	09/28/2011 10:43:29	0.00605	0.00948	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0657	56.960382565	-158.636035471	24.712	Approximate Tundra Grid Flag Location	09/28/2011 10:43:41	0.00675	0.01051	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0657	56.960382565	-158.636035471	24.712	Approximate Tundra Grid Flag Location	09/28/2011 10:43:41	0.00675	0.01051	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0658	56.960375485	-158.635960989	24.787	Approximate Tundra Grid Flag Location	09/28/2011 10:43:53	0.00766	0.01193	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0658	56.960375485	-158.635960989	24.787	Approximate Tundra Grid Flag Location	09/28/2011 10:43:53	0.00766	0.01193	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0659	56.960367609	-158.635890507	25.169	Approximate Tundra Grid Flag Location	09/28/2011 10:44:13	0.00724	0.01127	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0659	56.960367609	-158.635890507	25.169	Approximate Tundra Grid Flag Location	09/28/2011 10:44:13	0.00724	0.01127	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0660	56.960353186	-158.636135817	25.287	Approximate Tundra Grid Flag Location	09/28/2011 10:44:42	0.00660	0.01039	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0660	56.960353186	-158.636135817	25.287	Approximate Tundra Grid Flag Location	09/28/2011 10:44:42	0.00660	0.01039	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0661	56.960310218	-158.636171103	25.428	Approximate Tundra Grid Flag Location	09/28/2011 10:44:56	0.01000	0.01561	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0661	56.960310218	-158.636171103	25.428	Approximate Tundra Grid Flag Location	09/28/2011 10:44:56	0.01000	0.01561	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0662	56.960276178	-158.636200278	25.499	Approximate Tundra Grid Flag Location	09/28/2011 10:45:08	0.00690	0.01077	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0662	56.960276178	-158.636200278	25.499	Approximate Tundra Grid Flag Location	09/28/2011 10:45:08	0.00690	0.01077	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0663	56.960232816	-158.636238117	25.370	Approximate Tundra Grid Flag Location	09/28/2011 10:45:22	0.00730	0.01140	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0663	56.960232816	-158.636238117	25.370	Approximate Tundra Grid Flag Location	09/28/2011 10:45:22	0.00730	0.01140	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0664	56.960194338	-158.636283013	25.124	Approximate Tundra Grid Flag Location	09/28/2011 10:45:38	0.00820	0.01281	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0664	56.960194338	-158.636283013	25.124	Approximate Tundra Grid Flag Location	09/28/2011 10:45:38	0.00820	0.01281	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0665	56.960168892	-158.636223420	24.378	Approximate Tundra Grid Flag Location	09/28/2011 10:45:54	0.00701	0.01095	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0665	56.960168892	-158.636223420	24.378	Approximate Tundra Grid Flag Location	09/28/2011 10:45:54	0.00701	0.01095	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0666	56.960159805	-158.636269265	24.647	Approximate Tundra Grid Flag Location	09/28/2011 10:46:04	0.00635	0.00993	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0666	56.960159805	-158.636269265	24.647	Approximate Tundra Grid Flag Location	09/28/2011 10:46:04	0.00635	0.00993	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0667	56.960132351	-158.636271651	24.415	Approximate Tundra Grid Flag Location	09/28/2011 10:46:16	0.00597	0.00935	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0667	56.960132351	-158.636271651	24.415	Approximate Tundra Grid Flag Location	09/28/2011 10:46:16	0.00597	0.00935	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0668	56.960157985	-158.636330318	25.153	Approximate Tundra Grid Flag Location	09/28/2011 10:46:31	0.00627	0.01008	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0668	56.960157985	-158.636330318	25.153	Approximate Tundra Grid Flag Location	09/28/2011 10:46:31	0.00627	0.01008	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0669	56.960120956	-158.636372433	25.000	Approximate Tundra Grid Flag Location	09/28/2011 10:47:53	0.01006	0.01527	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0669	56.960120956	-158.636372433	25.000	Approximate Tundra Grid Flag Location	09/28/2011 10:47:53	0.01006	0.01527	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0670	56.960084248	-158.636435863	24.889	Approximate Tundra Grid Flag Location	09/28/2011 10:48:09	0.00687	0.01078	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0670	56.960084248	-158.636435863	24.889	Approximate Tundra Grid Flag Location	09/28/2011 10:48:09	0.00687	0.01078	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0671	56.961234045	-158.636003537	22.654	Approximate Tundra Grid Flag Location	09/28/2011 11:45:17	0.01006	0.01387	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0671	56.961234045	-158.636003537	22.654	Approximate Tundra Grid Flag Location	09/28/2011 11:45:17	0.01006	0.01387	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0672	56.961275793	-158.636009258	22.724	Approximate Tundra Grid Flag Location	09/28/2011 11:45:29	0.00786	0.01083	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0672	56.961275793	-158.636009258	22.724	Approximate Tundra Grid Flag Location	09/28/2011 11:45:29	0.00786	0.01083	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0673	56.961321565	-158.636021186	22.724	Approximate Tundra Grid Flag Location	09/28/2011 11:45:43	0.00859	0.01182	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0673	56.961321565	-158.636021186	22.724	Approximate Tundra Grid Flag Location	09/28/2011 11:45:43	0.00859	0.01182	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0674	56.961344100	-158.635975225	22.801	Approximate Tundra Grid Flag Location	09/28/2011 11:45:56	0.00851	0.01171	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0674	56.961344100	-158.635975225	22.801	Approximate Tundra Grid Flag Location	09/28/2011 11:45:56	0.00851	0.01171	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0675	56.961244139	-158.635855993	22.969	Approximate Tundra Grid Flag Location	09/28/2011 11:46:29	0.01051	0.01445	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0675	56.961344138	-158.635855893	22.969	Approximate Tundra Grid Flag Location	09/28/2011 11:46:29	0.01051	0.01445	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0676	56.961364021	-158.636033493	22.838	Approximate Tundra Grid Flag Location	09/28/2011 11:46:48	0.01184	0.01654	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0676	56.961364021	-158.636033493	22.838	Approximate Tundra Grid Flag Location	09/28/2011 11:46:48	0.01184	0.01654	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0677	56.961404188	-158.636046927	22.943	Approximate Tundra Grid Flag Location	09/28/2011 11:47:03	0.00672	0.00923	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0677	56.961404188	-158.636046927	22.943	Approximate Tundra Grid Flag Location	09/28/2011 11:47:03	0.00672	0.00923	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0678	56.961447164	-158.636060773	23.068	Approximate Tundra Grid Flag Location	09/28/2011 11:47:16	0.01025	0.01454	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0678	56.961447164	-158.636060773	23.068	Approximate Tundra Grid Flag Location	09/28/2011 11:47:16	0.01025	0.01454	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0679	56.961476245	-158.636071396	23.028	Approximate Tundra Grid Flag Location	09/28/2011 11:47:28	0.00787	0.01081	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0679	56.961476245	-158.636071396	23.028	Approximate Tundra Grid Flag Location	09/28/2011 11:47:28	0.00787	0.01081	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0680	56.961518681	-158.636081961	22.953	Approximate Tundra Grid Flag Location	09/28/2011 11:47:41	0.01490	0.02046	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0680	56.961518681	-158.636081961	22.953	Approximate Tundra Grid Flag Location	09/28/2011 11:47:41	0.01490	0.02046	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0681	56.961558559	-158.636094133	22.778	Approximate Tundra Grid Flag Location	09/28/2011 11:47:53	0.01471	0.02019	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0681	56.961558559	-158.636094133	22.778	Approximate Tundra Grid Flag Location	09/28/2011 11:47:53	0.01471	0.02019	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0682	56.961597626	-158.636109803	22.777	Approximate Tundra Grid Flag Location	09/28/2011 11:48:06	0.00583	0.00800	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0682	56.961597626	-158.636109803	22.777	Approximate Tundra Grid Flag Location	09/28/2011 11:48:06	0.00583	0.00800	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0683	56.961618621	-158.636067812	22.743	Approximate Tundra Grid Flag Location	09/28/2011 11:48:16	0.00740	0.01014	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0683	56.961618621	-158.636067812	22.743	Approximate Tundra Grid Flag Location	09/28/2011 11:48:16	0.00740	0.01014	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0684	56.961635898	-158.635949221	23.218	Approximate Tundra Grid Flag Location	09/28/2011 11:48:34	0.00806	0.01086	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0684	56.961635898	-158.635949221	23.218	Approximate Tundra Grid Flag Location	09/28/2011 11:48:34	0.00806	0.01086	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0685	56.961637936	-158.636125090	22.779	Approximate Tundra Grid Flag Location	09/28/2011 11:48:56	0.01481	0.02347	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0685	56.961637936	-158.636125090	22.779	Approximate Tundra Grid Flag Location	09/28/2011 11:48:56	0.01481	0.02347	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0686	56.961679126	-158.636138426	22.736	Approximate Tundra Grid Flag Location	09/28/2011 11:49:10	0.00626	0.00842	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0686	56.961679126	-158.636138426	22.736	Approximate Tundra Grid Flag Location	09/28/2011 11:49:10	0.00626	0.00842	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0687	56.961720560	-158.636155642	22.725	Approximate Tundra Grid Flag Location	09/28/2011 11:49:23	0.00791	0.01064	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0687	56.961720560	-158.636155642	22.725	Approximate Tundra Grid Flag Location	09/28/2011 11:49:23	0.00791	0.01064	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0688	56.961760153	-158.636169982	22.685	Approximate Tundra Grid Flag Location	09/28/2011 11:49:36	0.00745	0.01001	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0688	56.961760153	-158.636169982	22.685	Approximate Tundra Grid Flag Location	09/28/2011 11:49:36	0.00745	0.01001	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0689	56.961800539	-158.636187516	22.681	Approximate Tundra Grid Flag Location	09/28/2011 11:49:49	0.00923	0.01241	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0689	56.961800539	-158.636187516	22.681	Approximate Tundra Grid Flag Location	09/28/2011 11:49:49	0.00923	0.01241	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0690	56.961839082	-158.636202889	22.692	Approximate Tundra Grid Flag Location	09/28/2011 11:50:01	0.01239	0.01665	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0690	56.961839082	-158.636202889	22.692	Approximate Tundra Grid Flag Location	09/28/2011 11:50:01	0.01239	0.01665	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0691	56.961882058	-158.636219977	22.701	Approximate Tundra Grid Flag Location	09/28/2011 11:50:29	0.00609	0.00818	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0691	56.961882058	-158.636219977	22.701	Approximate Tundra Grid Flag Location	09/28/2011 11:50:29	0.00609	0.00818	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0692	56.961891008	-158.636184750	22.718	Approximate Tundra Grid Flag Location	09/28/2011 11:50:39	0.00748	0.01004	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0692	56.961891008	-158.636184750	22.718	Approximate Tundra Grid Flag Location	09/28/2011 11:50:39	0.00748	0.01004	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0693	56.961912066	-158.636064770	22.831	Approximate Tundra Grid Flag Location	09/28/2011 11:50:56	0.00873	0.01171	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0693	56.961912066	-158.636064770	22.831	Approximate Tundra Grid Flag Location	09/28/2011 11:50:56	0.00873	0.01171	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0694	56.961922879	-158.636234506	22.692	Approximate Tundra Grid Flag Location	09/28/2011 11:51:16	0.00976	0.01378	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0694	56.961922879	-158.636234506	22.692	Approximate Tundra Grid Flag Location	09/28/2011 11:51:16	0.00976	0.01378	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0695	56.961959320	-158.636249242	22.655	Approximate Tundra Grid Flag Location	09/28/2011 11:51:28	0.00665	0.00892	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0695	56.961959320	-158.636249242	22.655	Approximate Tundra Grid Flag Location	09/28/2011 11:51:28	0.00665	0.00892	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0696	56.962004322	-158.636266491	22.672	Approximate Tundra Grid Flag Location	09/28/2011 11:51:44	0.00730	0.00979	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0696	56.962004322	-158.636266491	22.672	Approximate Tundra Grid Flag Location	09/28/2011 11:51:44	0.00730	0.00979	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0697	56.962036522	-158.636284191	22.644	Approximate Tundra Grid Flag Location	09/28/2011 11:51:57	0.00607	0.00814	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0697	56.962036522	-158.636284191	22.644	Approximate Tundra Grid Flag Location	09/28/2011 11:51:57	0.00607	0.00814	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0698	56.962076685	-158.636303361	22.623	Approximate Tundra Grid Flag Location	09/28/2011 11:52:09	0.00937	0.01256	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0698	56.962076685	-158.636303361	22.623	Approximate Tundra Grid Flag Location	09/28/2011 11:52:09	0.00937	0.01256	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0699	56.962115553	-158.636316982	22.668	Approximate Tundra Grid Flag Location	09/28/2011 11:52:24	0.00993	0.01351	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0699	56.962115553	-158.636316982	22.668	Approximate Tundra Grid Flag Location	09/28/2011 11:52:24	0.00993	0.01351	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0700	56.962156987	-158.636333073	22.619	Approximate Tundra Grid Flag Location	09/28/2011 11:52:49	0.00810	0.01084	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0700	56.962156987	-158.636333073	22.619	Approximate Tundra Grid Flag Location	09/28/2011 11:52:49	0.00810	0.01084	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0701	56.962176204	-158.636298529	22.598	Approximate Tundra Grid Flag Location	09/28/2011 11:53:05	0.00672	0.00899	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0701	56.962176204	-158.636298529	22.598	Approximate Tundra Grid Flag Location	09/28/2011 11:53:05	0.00672	0.00899	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0702	56.962194025	-158.636175275	23.117	Approximate Tundra Grid Flag Location	09/28/2011 11:53:26	0.00731	0.00978	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0702	56.962194025	-158.636175275	23.117	Approximate Tundra Grid Flag Location	09/28/2011 11:53:26	0.00731	0.00978	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0703	56.962212161	-158.636358577	22.580	Approximate Tundra Grid Flag Location	09/28/2011 11:53:53	0.00665	0.00890	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0703	56.962212161	-158.636358577	22.580	Approximate Tundra Grid Flag Location	09/28/2011 11:53:53	0.00665	0.00890	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0704	56.962251577	-158.636377753	22.457	Approximate Tundra Grid Flag Location	09/28/2011 11:54:12	0.00790	0.01056	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0704	56.962251577	-158.636377753	22.457	Approximate Tundra Grid Flag Location	09/28/2011 11:54:12	0.00790	0.01056	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0705	56.962287085	-158.636389680	22.383	Approximate Tundra Grid Flag Location	09/28/2011 11:54:28	0.00987	0.01319	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0705	56.962287085	-158.636389680	22.383	Approximate Tundra Grid Flag Location	09/28/2011 11:54:28	0.00987	0.01319	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0706	56.962318707	-158.636402133	22.344	Approximate Tundra Grid Flag Location	09/28/2011 11:54:43	0.00601	0.00804	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0706	56.962318707	-158.636402133	22.344	Approximate Tundra Grid Flag Location	09/28/2011 11:54:43	0.00601	0.00804	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0707	56.962354149	-158.636414728	22.319	Approximate Tundra Grid Flag Location	09/28/2011 11:54:58	0.01035	0.01382	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0707	56.962354149	-158.636414728	22.319	Approximate Tundra Grid Flag Location	09/28/2011 11:54:58	0.01035	0.01382	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0708	56.962400073	-158.636432419	22.325	Approximate Tundra Grid Flag Location	09/28/2011 11:55:14	0.00900	0.01201	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0708	56.962400073	-158.636432419	22.325	Approximate Tundra Grid Flag Location	09/28/2011 11:55:14	0.00900	0.01201	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0709	56.962439015	-158.636449766	22.383	Approximate Tundra Grid Flag Location	09/28/2011 11:55:30	0.00699	0.00933	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0709	56.962439015	-158.636449766	22.383	Approximate Tundra Grid Flag Location	09/28/2011 11:55:30	0.00699	0.00933	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0710	56.962458968	-158.636400943	22.422	Approximate Tundra Grid Flag Location	09/28/2011 11:55:45	0.01133	0.01512	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0710	56.962458968	-158.636400943	22.422	Approximate Tundra Grid Flag Location	09/28/2011 11:55:45	0.01133	0.01512	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0711	56.962477217	-158.636285949	22.808	Approximate Tundra Grid Flag Location	09/28/2011 11:56:07	0.01095	0.01461	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0711	56.962477217	-158.636285949	22.808	Approximate Tundra Grid Flag Location	09/28/2011 11:56:07	0.01095	0.01461	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0712	56.962484002	-158.636466267	22.414	Approximate Tundra Grid Flag Location	09/28/2011 11:56:28	0.00859	0.01146	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0712	56.962484002	-158.636466267	22.414	Approximate Tundra Grid Flag Location	09/28/2011 11:56:28	0.00859	0.01146	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0713	56.962522588	-158.636482638	22.377	Approximate Tundra Grid Flag Location	09/28/2011 11:56:43	0.01249	0.01665	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0713	56.962522588	-158.636482638	22.377	Approximate Tundra Grid Flag Location	09/28/2011 11:56:43	0.01249	0.01665	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0714	56.962566475	-158.636498861	22.280	Approximate Tundra Grid Flag Location	09/28/2011 11:56:59	0.00792	0.01056	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0714	56.962566475	-158.636498861	22.280	Approximate Tundra Grid Flag Location	09/28/2011 11:56:59	0.00792	0.01056	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0715	56.962591796	-158.636511639	22.268	Approximate Tundra Grid Flag Location	09/28/2011 11:57:11	0.00977	0.01302	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0715	56.962591796	-158.636511639	22.268	Approximate Tundra Grid Flag Location	09/28/2011 11:57:11	0.00977	0.01302	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0716	56.962635037	-158.636529101	22.172	Approximate Tundra Grid Flag Location	09/28/2011 11:57:27	0.00987	0.01316	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0716	56.962635037	-158.636529101	22.172	Approximate Tundra Grid Flag Location	09/28/2011 11:57:27	0.00987	0.01316	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0717	56.962673384	-158.636545215	22.163	Approximate Tundra Grid Flag Location	09/28/2011 11:57:41	0.01344	0.01791	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0717	56.962673384	-158.636545215	22.163	Approximate Tundra Grid Flag Location	09/28/2011 11:57:41	0.01344	0.01791	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0718	56.962708144	-158.636562979	22.141	Approximate Tundra Grid Flag Location	09/28/2011 11:57:54	0.00878	0.01170	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0718	56.962708144	-158.636562979	22.141	Approximate Tundra Grid Flag Location	09/28/2011 11:57:54	0.00878	0.01170	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0719	56.962739146	-158.636524620	22.242	Approximate Tundra Grid Flag Location	09/28/2011 11:58:13	0.01327	0.01768	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0719	56.962739146	-158.636524620	22.242	Approximate Tundra Grid Flag Location	09/28/2011 11:58:13	0.01327	0.01768	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0720	56.962750860	-158.636408094	22.542	Approximate Tundra Grid Flag Location	09/28/2011 11:58:30	0.00948	0.01263	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0720	56.962750860	-158.636408094	22.542	Approximate Tundra Grid Flag Location	09/28/2011 11:58:30	0.00948	0.01263	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0721	56.962749730	-158.636581519	22.159	Approximate Tundra Grid Flag Location	09/28/2011 11:58:53	0.01015	0.01352	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0721	56.962749730	-158.636581519	22.159	Approximate Tundra Grid Flag Location	09/28/2011 11:58:53	0.01015	0.01352	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0722	56.962791201	-158.636597845	22.088	Approximate Tundra Grid Flag Location	09/28/2011 11:59:06	0.00795	0.01058	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0722	56.962791201	-158.636597845	22.088	Approximate Tundra Grid Flag Location	09/28/2011 11:59:06	0.00795	0.01058	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0723	56.962839718	-158.636616228	22.186	Approximate Tundra Grid Flag Location	09/28/2011 11:59:21	0.01612	0.02147	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0723	56.962839718	-158.636616228	22.186	Approximate Tundra Grid Flag Location	09/28/2011 11:59:21	0.01612	0.02147	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0724	56.962872579	-158.636629021	22.208	Approximate Tundra Grid Flag Location	09/28/2011 11:59:35	0.01291	0.01719	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0724	56.962872579	-158.636629021	22.208	Approximate Tundra Grid Flag Location	09/28/2011 11:59:35	0.01291	0.01719	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0725	56.962908903	-158.636642223	22.199	Approximate Tundra Grid Flag Location	09/28/2011 11:59:50	0.01148	0.01529	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0725	56.962908903	-158.636642223	22.199	Approximate Tundra Grid Flag Location	09/28/2011 11:59:50	0.01148	0.01529	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0726	56.962950446	-158.636660141	22.129	Approximate Tundra Grid Flag Location	09/28/2011 12:00:09	0.00639	0.00851	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0726	56.962950446	-158.636660141	22.129	Approximate Tundra Grid Flag Location	09/28/2011 12:00:09	0.00639	0.00851	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0727	56.962994552	-158.636676227	22.055	Approximate Tundra Grid Flag Location	09/28/2011 12:00:23	0.00768	0.01022	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0727	56.962994552	-158.636676227	22.055	Approximate Tundra Grid Flag Location	09/28/2011 12:00:23	0.00768	0.01022	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0728	56.963015469	-158.636642312	22.105	Approximate Tundra Grid Flag Location	09/28/2011 12:00:36	0.01598	0.02127	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0728	56.963015469	-158.636642312	22.105	Approximate Tundra Grid Flag Location	09/28/2011 12:00:36	0.01598	0.02127	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0729	56.963005830	-158.636602555	22.267	Approximate Tundra Grid Flag Location	09/28/2011 12:00:50	0.00655	0.00872	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0729	56.963005830	-158.636602555	22.267	Approximate Tundra Grid Flag Location	09/28/2011 12:00:50	0.00655	0.00872	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0730	56.963014596	-158.636532092	22.497	Approximate Tundra Grid Flag Location	09/28/2011 12:01:04	0.01176	0.01566	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0730	56.963014596	-158.636532092	22.497	Approximate Tundra Grid Flag Location	09/28/2011 12:01:04	0.01176	0.01566	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0731	56.963024744	-158.636460691	23.209	Approximate Tundra Grid Flag Location	09/28/2011 12:01:19	0.00712	0.00948	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0731	56.963024744	-158.636460691	23.209	Approximate Tundra Grid Flag Location	09/28/2011 12:01:19	0.00712	0.00948	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0732	56.963063128	-158.636476138	23.248	Approximate Tundra Grid Flag Location	09/28/2011 12:02:15	0.00688	0.00916	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0732	56.963063128	-158.636476138	23.248	Approximate Tundra Grid Flag Location	09/28/2011 12:02:15	0.00688	0.00916	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0733	56.963062821	-158.636476502	23.247	Approximate Tundra Grid Flag Location	09/28/2011 12:02:18	0.01193	0.01588	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0733	56.963062821	-158.636476502	23.247	Approximate Tundra Grid Flag Location	09/28/2011 12:02:18	0.01193	0.01588	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0734	56.963036301	-158.636524515	22.639	Approximate Tundra Grid Flag Location	09/28/2011 12:02:32	0.00835	0.01112	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0734	56.963036301	-158.636524515	22.639	Approximate Tundra Grid Flag Location	09/28/2011 12:02:32	0.00835	0.01112	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0735	56.963051318	-158.636546743	22.505	Approximate Tundra Grid Flag Location	09/28/2011 12:02:49	0.00624	0.00832	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0735	56.963051318	-158.636546743	22.505	Approximate Tundra Grid Flag Location	09/28/2011 12:02:49	0.00624	0.00832	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0736	56.963042182	-158.636618615	22.298	Approximate Tundra Grid Flag Location	09/28/2011 12:03:01	0.01202	0.01601	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0736	56.963042182	-158.636618615	22.298	Approximate Tundra Grid Flag Location	09/28/2011 12:03:01	0.01202	0.01601	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0737	56.963030600	-158.636691299	22.086	Approximate Tundra Grid Flag Location	09/28/2011 12:03:15	0.00718	0.00956	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0737	56.963030600	-158.636691299	22.086	Approximate Tundra Grid Flag Location	09/28/2011 12:03:15	0.00718	0.00956	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0738	56.963068878	-158.636708074	22.084	Approximate Tundra Grid Flag Location	09/28/2011 12:03:31	0.00735	0.00979	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0738	56.963068878	-158.636708074	22.084	Approximate Tundra Grid Flag Location	09/28/2011 12:03:31	0.00735	0.00979	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0739	56.963108534	-158.636724313	22.043	Approximate Tundra Grid Flag Location	09/28/2011 12:03:45	0.01102	0.01467	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0739	56.963108534	-158.636724313	22.043	Approximate Tundra Grid Flag Location	09/28/2011 12:03:45	0.01102	0.01467	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0740	56.963140601	-158.636738138	22.023	Approximate Tundra Grid Flag Location	09/28/2011 12:03:57	0.00874	0.01165	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0740	56.963140601	-158.636738138	22.023	Approximate Tundra Grid Flag Location	09/28/2011 12:03:57	0.00874	0.01165	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0741	56.963132868	-158.636811543	22.366	Approximate Tundra Grid Flag Location	09/28/2011 12:04:14	0.00641	0.00855	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0741	56.963132868	-158.636811543	22.366	Approximate Tundra Grid Flag Location	09/28/2011 12:04:14	0.00641	0.00855	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0742	56.963099802	-158.636797126	22.401	Approximate Tundra Grid Flag Location	09/28/2011 12:04:25	0.01034	0.01378	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0742	56.963099802	-158.636797126	22.401	Approximate Tundra Grid Flag Location	09/28/2011 12:04:25	0.01034	0.01378	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0743	56.963059073	-158.636781073	22.453	Approximate Tundra Grid Flag Location	09/28/2011 12:04:37	0.00690	0.00920	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0743	56.963059073	-158.636781073	22.453	Approximate Tundra Grid Flag Location	09/28/2011 12:04:37	0.00690	0.00920	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0744	56.963019560	-158.636766458	22.422	Approximate Tundra Grid Flag Location	09/28/2011 12:04:50	0.01308	0.01745	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0744	56.963019560	-158.636766458	22.422	Approximate Tundra Grid Flag Location	09/28/2011 12:04:50	0.01308	0.01745	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0745	56.962979276	-158.636748466	22.459	Approximate Tundra Grid Flag Location	09/28/2011 12:05:04	0.00756	0.01009	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0745	56.962979276	-158.636748466	22.459	Approximate Tundra Grid Flag Location	09/28/2011 12:05:04	0.00756	0.01009	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0746	56.962938561	-158.636731668	22.423	Approximate Tundra Grid Flag Location	09/28/2011 12:05:16	0.00938	0.01252	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0746	56.962938561	-158.636731668	22.423	Approximate Tundra Grid Flag Location	09/28/2011 12:05:16	0.00938	0.01252	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0747	56.962899506	-158.636715475	22.412	Approximate Tundra Grid Flag Location	09/28/2011 12:05:29	0.00773	0.01031	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0747	56.962899506	-158.636715475	22.412	Approximate Tundra Grid Flag Location	09/28/2011 12:05:29	0.00773	0.01031	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0748	56.962861491	-158.636699910	22.407	Approximate Tundra Grid Flag Location	09/28/2011 12:05:40	0.01091	0.01456	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0748	56.962861491	-158.636699910	22.407	Approximate Tundra Grid Flag Location	09/28/2011 12:05:40	0.01091	0.01456	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0749	56.962826380	-158.636686430	22.416	Approximate Tundra Grid Flag Location	09/28/2011 12:06:00	0.01317	0.01759	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0749	56.962826380	-158.636686430	22.416	Approximate Tundra Grid Flag Location	09/28/2011 12:06:00	0.01317	0.01759	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0750	56.962781462	-158.636669413	22.403	Approximate Tundra Grid Flag Location	09/28/2011 12:06:13	0.00696	0.00929	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0750	56.962781462	-158.636669413	22.403	Approximate Tundra Grid Flag Location	09/28/2011 12:06:13	0.00696	0.00929	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0751	56.962743010	-158.636654587	22.398	Approximate Tundra Grid Flag Location	09/28/2011 12:06:26	0.00730	0.00976	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0751	56.962743010	-158.636654587	22.398	Approximate Tundra Grid Flag Location	09/28/2011 12:06:26	0.00730	0.00976	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0752	56.962702974	-158.636637808	22.412	Approximate Tundra Grid Flag Location	09/28/2011 12:06:41	0.01095	0.01463	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0752	56.962702974	-158.636637808	22.412	Approximate Tundra Grid Flag Location	09/28/2011 12:06:41	0.01095	0.01463	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0753	56.962664030	-158.636619268	22.419	Approximate Tundra Grid Flag Location	09/28/2011 12:06:53	0.00836	0.01117	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0753	56.962664030	-158.636619268	22.419	Approximate Tundra Grid Flag Location	09/28/2011 12:06:53	0.00836	0.01117	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0754	56.962625312	-158.636601707	22.405	Approximate Tundra Grid Flag Location	09/28/2011 12:07:08	0.01003	0.01341	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0754	56.962625312	-158.636601707	22.405	Approximate Tundra Grid Flag Location	09/28/2011 12:07:08	0.01003	0.01341	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0755	56.962583546	-158.636584682	22.429	Approximate Tundra Grid Flag Location	09/28/2011 12:07:23	0.00806	0.01079	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0755	56.962583546	-158.636584682	22.429	Approximate Tundra Grid Flag Location	09/28/2011 12:07:23	0.00806	0.01079	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0756	56.962555817	-158.636571095	22.451	Approximate Tundra Grid Flag Location	09/28/2011 12:07:34	0.00617	0.00826	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0756	56.962555817	-158.636571095	22.451	Approximate Tundra Grid Flag Location	09/28/2011 12:07:34	0.00617	0.00826	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0757	56.962511173	-158.636554701	22.480	Approximate Tundra Grid Flag Location	09/28/2011 12:07:47	0.00800	0.01070	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0757	56.962511173	-158.636554701	22.480	Approximate Tundra Grid Flag Location	09/28/2011 12:07:47	0.00800	0.01070	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0758	56.962472414	-158.636537714	22.522	Approximate Tundra Grid Flag Location	09/28/2011 12:08:00	0.00699	0.00936	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0758	56.962472414	-158.636537714	22.522	Approximate Tundra Grid Flag Location	09/28/2011 12:08:00	0.00699	0.00936	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0759	56.962430533	-158.636523056	22.508	Approximate Tundra Grid Flag Location	09/28/2011 12:08:14	0.01515	0.02029	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0759	56.962430533	-158.636523056	22.508	Approximate Tundra Grid Flag Location	09/28/2011 12:08:14	0.01515	0.02029	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0760	56.962391519	-158.636507957	22.467	Approximate Tundra Grid Flag Location	09/28/2011 12:08:27	0.01036	0.01340	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0760	56.962391519	-158.636507957	22.467	Approximate Tundra Grid Flag Location	09/28/2011 12:08:27	0.01036	0.01340	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0761	56.962348694	-158.636490149	22.474	Approximate Tundra Grid Flag Location	09/28/2011 12:08:42	0.00808	0.01084	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0761	56.962348694	-158.636490149	22.474	Approximate Tundra Grid Flag Location	09/28/2011 12:08:42	0.00808	0.01084	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0762	56.962311398	-158.636476656	22.450	Approximate Tundra Grid Flag Location	09/28/2011 12:08:56	0.00974	0.01262	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0762	56.962311398	-158.636476656	22.450	Approximate Tundra Grid Flag Location	09/28/2011 12:08:56	0.00974	0.01262	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0763	56.962280139	-158.636465244	22.474	Approximate Tundra Grid Flag Location	09/28/2011 12:09:10	0.00699	0.00938	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0763	56.962280139	-158.636465244	22.474	Approximate Tundra Grid Flag Location	09/28/2011 12:09:10	0.00699	0.00938	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0764	56.962243288	-158.636450739	22.510	Approximate Tundra Grid Flag Location	09/28/2011 12:09:25	0.00965	0.01295	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0764	56.962243288	-158.636450739	22.510	Approximate Tundra Grid Flag Location	09/28/2011 12:09:25	0.00965	0.01295	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0765	56.962202522	-158.636432384	22.576	Approximate Tundra Grid Flag Location	09/28/2011 12:09:40	0.01123	0.01508	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0765	56.962202522	-158.636432384	22.576	Approximate Tundra Grid Flag Location	09/28/2011 12:09:40	0.01123	0.01508	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0766	56.962146319	-158.636404894	22.589	Approximate Tundra Grid Flag Location	09/28/2011 12:10:00	0.00783	0.00978	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0766	56.962146319	-158.636404894	22.589	Approximate Tundra Grid Flag Location	09/28/2011 12:10:00	0.00783	0.00978	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0767	56.962106079	-158.636390023	22.629	Approximate Tundra Grid Flag Location	09/28/2011 12:10:16	0.00727	0.00948	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0767	56.962106079	-158.636390023	22.629	Approximate Tundra Grid Flag Location	09/28/2011 12:10:16	0.00727	0.00948	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0768	56.962066074	-158.636374559	22.670	Approximate Tundra Grid Flag Location	09/28/2011 12:10:31	0.00742	0.00998	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0768	56.962066074	-158.636374559	22.670	Approximate Tundra Grid Flag Location	09/28/2011 12:10:31	0.00742	0.00998	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0769	56.962027207	-158.636356801	22.720	Approximate Tundra Grid Flag Location	09/28/2011 12:10:45	0.00822	0.01107	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0769	56.962027207	-158.636356801	22.720	Approximate Tundra Grid Flag Location	09/28/2011 12:10:45	0.00822	0.01107	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0770	56.961995996	-158.636339627	22.724	Approximate Tundra Grid Flag Location	09/28/2011 12:10:57	0.00870	0.01172	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0770	56.961995996	-158.636339627	22.724	Approximate Tundra Grid Flag Location	09/28/2011 12:10:57	0.00870	0.01172	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0771	56.961952360	-158.636322313	22.796	Approximate Tundra Grid Flag Location	09/28/2011 12:11:13	0.00676	0.00886	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0771	56.961952360	-158.636322313	22.796	Approximate Tundra Grid Flag Location	09/28/2011 12:11:13	0.00676	0.00886	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0772	56.961910376	-158.636308258	22.820	Approximate Tundra Grid Flag Location	09/28/2011 12:11:27	0.01061	0.01430	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0772	56.961910376	-158.636308258	22.820	Approximate Tundra Grid Flag Location	09/28/2011 12:11:27	0.01061	0.01430	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0773	56.961871458	-158.636290928	22.784	Approximate Tundra Grid Flag Location	09/28/2011 12:11:45	0.00843	0.01137	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0773	56.961871458	-158.636290928	22.784	Approximate Tundra Grid Flag Location	09/28/2011 12:11:45	0.00843	0.01137	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0774	56.961830702	-158.636275895	22.759	Approximate Tundra Grid Flag Location	09/28/2011 12:12:00	0.00963	0.01225	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0774	56.961830702	-158.636275895	22.759	Approximate Tundra Grid Flag Location	09/28/2011 12:12:00	0.00963	0.01225	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0775	56.961791952	-158.636258248	22.751	Approximate Tundra Grid Flag Location	09/28/2011 12:12:13	0.00737	0.00996	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0775	56.961791952	-158.636258248	22.751	Approximate Tundra Grid Flag Location	09/28/2011 12:12:13	0.00737	0.00996	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0776	56.961750675	-158.636241890	22.760	Approximate Tundra Grid Flag Location	09/28/2011 12:12:27	0.01308	0.01726	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0776	56.961750675	-158.636241890	22.760	Approximate Tundra Grid Flag Location	09/28/2011 12:12:27	0.01308	0.01726	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0777	56.961712366	-158.636228290	22.774	Approximate Tundra Grid Flag Location	09/28/2011 12:12:41	0.00845	0.01116	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0777	56.961712366	-158.636228290	22.774	Approximate Tundra Grid Flag Location	09/28/2011 12:12:41	0.00845	0.01116	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0778	56.961669777	-158.636211388	22.860	Approximate Tundra Grid Flag Location	09/28/2011 12:12:55	0.00782	0.01059	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0778	56.961669777	-158.636211388	22.860	Approximate Tundra Grid Flag Location	09/28/2011 12:12:55	0.00782	0.01059	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0779	56.961628207	-158.636197826	22.946	Approximate Tundra Grid Flag Location	09/28/2011 12:13:10	0.00942	0.01248	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0779	56.961628207	-158.636197826	22.946	Approximate Tundra Grid Flag Location	09/28/2011 12:13:10	0.00942	0.01248	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0780	56.961587646	-158.636181129	22.898	Approximate Tundra Grid Flag Location	09/28/2011 12:13:25	0.00605	0.00820	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0780	56.961587646	-158.636181129	22.898	Approximate Tundra Grid Flag Location	09/28/2011 12:13:25	0.00605	0.00820	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0781	56.961548195	-158.636164770	22.891	Approximate Tundra Grid Flag Location	09/28/2011 12:13:40	0.00748	0.01014	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0781	56.961548195	-158.636164770	22.891	Approximate Tundra Grid Flag Location	09/28/2011 12:13:40	0.00748	0.01014	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0782	56.961507772	-158.636152939	22.940	Approximate Tundra Grid Flag Location	09/28/2011 12:13:55	0.00631	0.00838	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0782	56.961507772	-158.636152939	22.940	Approximate Tundra Grid Flag Location	09/28/2011 12:13:55	0.00631	0.00838	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0783	56.961465343	-158.636142659	23.054	Approximate Tundra Grid Flag Location	09/28/2011 12:14:17	0.00804	0.01044	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0783	56.961465343	-158.636142659	23.054	Approximate Tundra Grid Flag Location	09/28/2011 12:14:17	0.00804	0.01044	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0784	56.961436933	-158.636134365	23.083	Approximate Tundra Grid Flag Location	09/28/2011 12:14:32	0.00573	0.00780	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0784	56.961436933	-158.636134365	23.083	Approximate Tundra Grid Flag Location	09/28/2011 12:14:32	0.00573	0.00780	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0785	56.961397778	-158.636121895	23.070	Approximate Tundra Grid Flag Location	09/28/2011 12:14:47	0.00650	0.00885	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0785	56.961397778	-158.636121895	23.070	Approximate Tundra Grid Flag Location	09/28/2011 12:14:47	0.00650	0.00885	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0786	56.961355881	-158.636108748	23.079	Approximate Tundra Grid Flag Location	09/28/2011 12:15:02	0.00703	0.00941	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0786	56.961355881	-158.636108748	23.079	Approximate Tundra Grid Flag Location	09/28/2011 12:15:02	0.00703	0.00941	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0787	56.961317783	-158.636096011	22.998	Approximate Tundra Grid Flag Location	09/28/2011 12:15:19	0.00996	0.01359	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0787	56.961317783	-158.636096011	22.998	Approximate Tundra Grid Flag Location	09/28/2011 12:15:19	0.00996	0.01359	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0788	56.961271860	-158.636086141	23.195	Approximate Tundra Grid Flag Location	09/28/2011 12:15:37	0.01312	0.01762	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0788	56.961271860	-158.636086141	23.195	Approximate Tundra Grid Flag Location	09/28/2011 12:15:37	0.01312	0.01762	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0789	56.961229659	-158.636076121	23.269	Approximate Tundra Grid Flag Location	09/28/2011 12:15:56	0.00838	0.01104	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0789	56.961229659	-158.636076121	23.269	Approximate Tundra Grid Flag Location	09/28/2011 12:15:56	0.00838	0.01104	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0790	56.961191980	-158.636068949	23.357	Approximate Tundra Grid Flag Location	09/28/2011 12:16:12	0.01051	0.01388	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0790	56.961191980	-158.636068949	23.357	Approximate Tundra Grid Flag Location	09/28/2011 12:16:12	0.01051	0.01388	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0791	56.963178735	-158.636756330	22.070	Approximate Tundra Grid Flag Location	09/28/2011 12:27:58	0.00791	0.01205	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0791	56.963178735	-158.636756330	22.070	Approximate Tundra Grid Flag Location	09/28/2011 12:27:58	0.00791	0.01205	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0792	56.963216934	-158.636776559	22.176	Approximate Tundra Grid Flag Location	09/28/2011 12:28:12	0.00622	0.00945	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0792	56.963216934	-158.636776559	22.176	Approximate Tundra Grid Flag Location	09/28/2011 12:28:12	0.00622	0.00945	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0793	56.963254062	-158.636789729	22.236	Approximate Tundra Grid Flag Location	09/28/2011 12:28:25	0.00638	0.00968	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0793	56.963254062	-158.636789729	22.236	Approximate Tundra Grid Flag Location	09/28/2011 12:28:25	0.00638	0.00968	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0794	56.963298369	-158.636805289	22.289	Approximate Tundra Grid Flag Location	09/28/2011 12:28:39	0.00588	0.00894	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0794	56.963298369	-158.636805289	22.289	Approximate Tundra Grid Flag Location	09/28/2011 12:28:39	0.00588	0.00894	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0795	56.963271447	-158.636757253	22.088	Approximate Tundra Grid Flag Location	09/28/2011 12:28:56	0.00791	0.01212	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0795	56.963271447	-158.636757253	22.088	Approximate Tundra Grid Flag Location	09/28/2011 12:28:56	0.00791	0.01212	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0796	56.963264842	-158.636719494	22.022	Approximate Tundra Grid Flag Location	09/28/2011 12:29:08	0.00747	0.01137	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0796	56.963264842	-158.636719494	22.022	Approximate Tundra Grid Flag Location	09/28/2011 12:29:08	0.00747	0.01137	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0797	56.963270633	-158.636645667	22.306	Approximate Tundra Grid Flag Location	09/28/2011 12:29:22	0.00595	0.00906	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0797	56.963270633	-158.636645667	22.306	Approximate Tundra Grid Flag Location	09/28/2011 12:29:22	0.00595	0.00906	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0798	56.963281790	-158.636573950	22.729	Approximate Tundra Grid Flag Location	09/28/2011 12:29:37	0.00605	0.00922	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0798	56.963281790	-158.636573950	22.729	Approximate Tundra Grid Flag Location	09/28/2011 12:29:37	0.00605	0.00922	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0799	56.963287728	-158.636631301	22.418	Approximate Tundra Grid Flag Location	09/28/2011 12:29:54	0.00528	0.00806	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0799	56.963287728	-158.636631301	22.418	Approximate Tundra Grid Flag Location	09/28/2011 12:29:54	0.00528	0.00806	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0800	56.963327422	-158.636588818	22.635	Approximate Tundra Grid Flag Location	09/28/2011 12:30:07	0.00540	0.00824	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0800	56.963327422	-158.636588818	22.635	Approximate Tundra Grid Flag Location	09/28/2011 12:30:07	0.00540	0.00824	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0801	56.963317796	-158.636659462	22.327	Approximate Tundra Grid Flag Location	09/28/2011 12:30:19	0.00578	0.00887	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0801	56.963317796	-158.636659462	22.327	Approximate Tundra Grid Flag Location	09/28/2011 12:30:19	0.00578	0.00887	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0802	56.963310748	-158.636733138	22.121	Approximate Tundra Grid Flag Location	09/28/2011 12:30:32	0.00585	0.00895	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0802	56.963310748	-158.636733138	22.121	Approximate Tundra Grid Flag Location	09/28/2011 12:30:32	0.00585	0.00895	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0803	56.963298681	-158.636806273	22.280	Approximate Tundra Grid Flag Location	09/28/2011 12:30:46	0.00479	0.00745	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0803	56.963298681	-158.636806273	22.280	Approximate Tundra Grid Flag Location	09/28/2011 12:30:46	0.00479	0.00745	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0804	56.963344240	-158.636825413	22.475	Approximate Tundra Grid Flag Location	09/28/2011 12:30:59	0.00571	0.00876	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0804	56.963344240	-158.636825413	22.475	Approximate Tundra Grid Flag Location	09/28/2011 12:30:59	0.00571	0.00876	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0805	56.963387398	-158.636843107	22.273	Approximate Tundra Grid Flag Location	09/28/2011 12:31:14	0.00658	0.01022	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0805	56.963387398	-158.636843107	22.273	Approximate Tundra Grid Flag Location	09/28/2011 12:31:14	0.00658	0.01022	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0806	56.963426982	-158.636860034	22.282	Approximate Tundra Grid Flag Location	09/28/2011 12:31:26	0.00568	0.00888	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0806	56.963426982	-158.636860034	22.282	Approximate Tundra Grid Flag Location	09/28/2011 12:31:26	0.00568	0.00888	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0807	56.963466335	-158.636877836	22.253	Approximate Tundra Grid Flag Location	09/28/2011 12:31:38	0.00965	0.01482	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0807	56.963466335	-158.636877836	22.253	Approximate Tundra Grid Flag Location	09/28/2011 12:31:38	0.00965	0.01482	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0808	56.963504272	-158.636897836	22.124	Approximate Tundra Grid Flag Location	09/28/2011 12:31:52	0.00607	0.00951	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0808	56.963504272	-158.636897836	22.124	Approximate Tundra Grid Flag Location	09/28/2011 12:31:52	0.00607	0.00951	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0809	56.963543724	-158.636914585	22.131	Approximate Tundra Grid Flag Location	09/28/2011 12:32:07	0.00706	0.01097	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0809	56.963543724	-158.636914585	22.131	Approximate Tundra Grid Flag Location	09/28/2011 12:32:07	0.00706	0.01097	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0810	56.963581018	-158.636929828	22.114	Approximate Tundra Grid Flag Location	09/28/2011 12:32:23	0.00490	0.00763	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0810	56.963581018	-158.636929828	22.114	Approximate Tundra Grid Flag Location	09/28/2011 12:32:23	0.00490	0.00763	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0811	56.963562313	-158.636871246	22.094	Approximate Tundra Grid Flag Location	09/28/2011 12:32:36	0.00500	0.00780	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0811	56.963562313	-158.636871246	22.094	Approximate Tundra Grid Flag Location	09/28/2011 12:32:36	0.00500	0.00780	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0812	56.963557848	-158.636841468	22.203	Approximate Tundra Grid Flag Location	09/28/2011 12:32:46	0.00495	0.00771	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0812	56.963557848	-158.636841468	22.203	Approximate Tundra Grid Flag Location	09/28/2011 12:32:46	0.00495	0.00771	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0813	56.963568910	-158.636772829	22.379	Approximate Tundra Grid Flag Location	09/28/2011 12:33:01	0.00537	0.00838	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0813	56.963568910	-158.636772829	22.379	Approximate Tundra Grid Flag Location	09/28/2011 12:33:01	0.00537	0.00838	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0814	56.963583576	-158.636702456	22.710	Approximate Tundra Grid Flag Location	09/28/2011 12:33:15	0.00569	0.00888	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0814	56.963583576	-158.636702456	22.710	Approximate Tundra Grid Flag Location	09/28/2011 12:33:15	0.00569	0.00888	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0815	56.963586524	-158.636752304	22.454	Approximate Tundra Grid Flag Location	09/28/2011 12:33:28	0.00505	0.00789	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0815	56.963586524	-158.636752304	22.454	Approximate Tundra Grid Flag Location	09/28/2011 12:33:28	0.00505	0.00789	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0816	56.963616216	-158.636713451	22.790	Approximate Tundra Grid Flag Location	09/28/2011 12:33:41	0.00851	0.01327	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0816	56.963616216	-158.636713451	22.790	Approximate Tundra Grid Flag Location	09/28/2011 12:33:41	0.00851	0.01327	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0817	56.963603901	-158.636781913	22.410	Approximate Tundra Grid Flag Location	09/28/2011 12:33:56	0.01033	0.01617	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0817	56.963603901	-158.636781913	22.410	Approximate Tundra Grid Flag Location	09/28/2011 12:33:56	0.01033	0.01617	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0818	56.963592656	-158.636853227	22.235	Approximate Tundra Grid Flag Location	09/28/2011 12:34:09	0.00671	0.01036	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0818	56.963592656	-158.636853227	22.235	Approximate Tundra Grid Flag Location	09/28/2011 12:34:09	0.00671	0.01036	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0819	56.963580988	-158.636929209	22.095	Approximate Tundra Grid Flag Location	09/28/2011 12:34:23	0.00854	0.01340	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0819	56.963580988	-158.636929209	22.095	Approximate Tundra Grid Flag Location	09/28/2011 12:34:23	0.00854	0.01340	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0820	56.963620961	-158.636943494	22.222	Approximate Tundra Grid Flag Location	09/28/2011 12:34:52	0.00532	0.00824	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0820	56.963620961	-158.636943494	22.222	Approximate Tundra Grid Flag Location	09/28/2011 12:34:52	0.00532	0.00824	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0821	56.963664316	-158.636963395	22.213	Approximate Tundra Grid Flag Location	09/28/2011 12:35:08	0.01032	0.01585	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0821	56.963664316	-158.636963395	22.213	Approximate Tundra Grid Flag Location	09/28/2011 12:35:08	0.01032	0.01585	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0822	56.963688271	-158.636974467	22.241	Approximate Tundra Grid Flag Location	09/28/2011 12:35:18	0.00657	0.01010	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0822	56.963688271	-158.636974467	22.241	Approximate Tundra Grid Flag Location	09/28/2011 12:35:18	0.00657	0.01010	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0823	56.963727569	-158.636994401	22.239	Approximate Tundra Grid Flag Location	09/28/2011 12:35:32	0.01189	0.01830	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0823	56.963727569	-158.636994401	22.239	Approximate Tundra Grid Flag Location	09/28/2011 12:35:32	0.01189	0.01830	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0824	56.963768319	-158.637015436	22.240	Approximate Tundra Grid Flag Location	09/28/2011 12:35:45	0.01452	0.02029	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0824	56.963768319	-158.637015436	22.240	Approximate Tundra Grid Flag Location	09/28/2011 12:35:45	0.01452	0.02029	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0825	56.963806385	-158.637034616	22.118	Approximate Tundra Grid Flag Location	09/28/2011 12:35:58	0.00719	0.01107	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0825	56.963806385	-158.637034616	22.118	Approximate Tundra Grid Flag Location	09/28/2011 12:35:58	0.00719	0.01107	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0826	56.963820948	-158.636962240	22.081	Approximate Tundra Grid Flag Location	09/28/2011 12:36:17	0.00755	0.01205	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0826	56.963820948	-158.636962240	22.081	Approximate Tundra Grid Flag Location	09/28/2011 12:36:17	0.00755	0.01205	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0827	56.963831798	-158.636995257	21.908	Approximate Tundra Grid Flag Location	09/28/2011 12:36:26	0.00715	0.01122	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0827	56.963831798	-158.636995257	21.908	Approximate Tundra Grid Flag Location	09/28/2011 12:36:26	0.00715	0.01122	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0828	56.963829893	-158.636877780	22.407	Approximate Tundra Grid Flag Location	09/28/2011 12:36:41	0.00600	0.00954	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0828	56.963829893	-158.636877780	22.407	Approximate Tundra Grid Flag Location	09/28/2011 12:36:41	0.00600	0.00954	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0829	56.963840113	-158.636813773	23.013	Approximate Tundra Grid Flag Location	09/28/2011 12:36:55	0.00925	0.01488	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0829	56.963840113	-158.636813773	23.013	Approximate Tundra Grid Flag Location	09/28/2011 12:36:55	0.00925	0.01488	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0830	56.963856232	-158.636875888	22.506	Approximate Tundra Grid Flag Location	09/28/2011 12:37:10	0.00483	0.00782	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0830	56.963856232	-158.636875888	22.506	Approximate Tundra Grid Flag Location	09/28/2011 12:37:10	0.00483	0.00782	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0831	56.963874842	-158.636834837	22.891	Approximate Tundra Grid Flag Location	09/28/2011 12:37:25	0.00747	0.01157	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0831	56.963874842	-158.636834837	22.891	Approximate Tundra Grid Flag Location	09/28/2011 12:37:25	0.00747	0.01157	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0832	56.963866118	-158.636904466	22.401	Approximate Tundra Grid Flag Location	09/28/2011 12:37:39	0.00571	0.00922	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0832	56.963866118	-158.636904466	22.401	Approximate Tundra Grid Flag Location	09/28/2011 12:37:39	0.00571	0.00922	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0833	56.963855955	-158.636977801	22.028	Approximate Tundra Grid Flag Location	09/28/2011 12:37:54	0.00524	0.00826	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0833	56.963855955	-158.636977801	22.028	Approximate Tundra Grid Flag Location	09/28/2011 12:37:54	0.00524	0.00826	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0834	56.963845816	-158.637050910	22.172	Approximate Tundra Grid Flag Location	09/28/2011 12:38:08	0.00675	0.01048	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0834	56.963845816	-158.637050910	22.172	Approximate Tundra Grid Flag Location	09/28/2011 12:38:08	0.00675	0.01048	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0835	56.963879520	-158.637072989	22.247	Approximate Tundra Grid Flag Location	09/28/2011 12:38:23	0.00541	0.00849	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0835	56.963879520	-158.637072989	22.247	Approximate Tundra Grid Flag Location	09/28/2011 12:38:23	0.00541	0.00849	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0836	56.963922875	-158.637091729	22.260	Approximate Tundra Grid Flag Location	09/28/2011 12:38:39	0.00629	0.00979	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0836	56.963922875	-158.637091729	22.260	Approximate Tundra Grid Flag Location	09/28/2011 12:38:39	0.00629	0.00979	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0837	56.963957677	-158.637110128	22.249	Approximate Tundra Grid Flag Location	09/28/2011 12:38:53	0.00753	0.01172	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0837	56.963957677	-158.637110128	22.249	Approximate Tundra Grid Flag Location	09/28/2011 12:38:53	0.00753	0.01172	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0838	56.963998841	-158.637131314	22.092	Approximate Tundra Grid Flag Location	09/28/2011 12:39:08	0.00945	0.01473	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0838	56.963998841	-158.637131314	22.092	Approximate Tundra Grid Flag Location	09/28/2011 12:39:08	0.00945	0.01473	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0839	56.964035793	-158.637152472	22.066	Approximate Tundra Grid Flag Location	09/28/2011 12:39:26	0.00914	0.01427	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0839	56.964035793	-158.637152472	22.066	Approximate Tundra Grid Flag Location	09/28/2011 12:39:26	0.00914	0.01427	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0840	56.964076354	-158.637173697	22.123	Approximate Tundra Grid Flag Location	09/28/2011 12:39:41	0.00588	0.00918	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0840	56.964076354	-158.637173697	22.123	Approximate Tundra Grid Flag Location	09/28/2011 12:39:41	0.00588	0.00918	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0841	56.964114924	-158.637196916	22.215	Approximate Tundra Grid Flag Location	09/28/2011 12:39:54	0.00888	0.01415	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0841	56.964114924	-158.637196916	22.215	Approximate Tundra Grid Flag Location	09/28/2011 12:39:54	0.00888	0.01415	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0842	56.964110144	-158.637146657	22.182	Approximate Tundra Grid Flag Location	09/28/2011 12:40:07	0.00897	0.01430	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0842	56.964110144	-158.637146657	22.182	Approximate Tundra Grid Flag Location	09/28/2011 12:40:07	0.00897	0.01430	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0843	56.964088195	-158.637099795	22.241	Approximate Tundra Grid Flag Location	09/28/2011 12:40:19	0.00494	0.00788	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0843	56.964088195	-158.637099795	22.241	Approximate Tundra Grid Flag Location	09/28/2011 12:40:19	0.00494	0.00788	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0844	56.964101212	-158.637026924	22.379	Approximate Tundra Grid Flag Location	09/28/2011 12:40:32	0.00522	0.00833	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0844	56.964101212	-158.637026924	22.379	Approximate Tundra Grid Flag Location	09/28/2011 12:40:32	0.00522	0.00833	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0845	56.964127374	-158.637030836	22.488	Approximate Tundra Grid Flag Location	09/28/2011 12:40:44	0.00662	0.01057	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0845	56.964127374	-158.637030836	22.488	Approximate Tundra Grid Flag Location	09/28/2011 12:40:44	0.00662	0.01057	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0846	56.964142955	-158.637055902	22.483	Approximate Tundra Grid Flag Location	09/28/2011 12:40:56	0.00687	0.01098	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0846	56.964142955	-158.637055992	22.483	Approximate Tundra Grid Flag Location	09/28/2011 12:40:56	0.00687	0.01099	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0847	56.964129674	-158.637125538	22.255	Approximate Tundra Grid Flag Location	09/28/2011 12:41:10	0.00644	0.01077	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0847	56.964129674	-158.637125538	22.255	Approximate Tundra Grid Flag Location	09/28/2011 12:41:10	0.00644	0.01077	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0848	56.964155279	-158.637221736	22.257	Approximate Tundra Grid Flag Location	09/28/2011 12:41:39	0.00551	0.00883	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0848	56.964155279	-158.637221736	22.257	Approximate Tundra Grid Flag Location	09/28/2011 12:41:39	0.00551	0.00883	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0849	56.964196697	-158.637243257	22.301	Approximate Tundra Grid Flag Location	09/28/2011 12:41:56	0.00631	0.01012	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0849	56.964196697	-158.637243257	22.301	Approximate Tundra Grid Flag Location	09/28/2011 12:41:56	0.00631	0.01012	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0850	56.964236585	-158.637266435	22.328	Approximate Tundra Grid Flag Location	09/28/2011 12:42:09	0.00707	0.01136	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0850	56.964236585	-158.637266435	22.328	Approximate Tundra Grid Flag Location	09/28/2011 12:42:09	0.00707	0.01136	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0851	56.964276037	-158.637287978	22.441	Approximate Tundra Grid Flag Location	09/28/2011 12:42:22	0.00571	0.00918	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0851	56.964276037	-158.637287978	22.441	Approximate Tundra Grid Flag Location	09/28/2011 12:42:22	0.00571	0.00918	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0852	56.964309589	-158.637309189	22.409	Approximate Tundra Grid Flag Location	09/28/2011 12:42:37	0.00626	0.01008	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0852	56.964309589	-158.637309189	22.409	Approximate Tundra Grid Flag Location	09/28/2011 12:42:37	0.00626	0.01008	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0853	56.964349226	-158.637331486	22.481	Approximate Tundra Grid Flag Location	09/28/2011 12:42:53	0.00734	0.01182	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0853	56.964349226	-158.637331486	22.481	Approximate Tundra Grid Flag Location	09/28/2011 12:42:53	0.00734	0.01182	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0854	56.964363474	-158.637248683	22.397	Approximate Tundra Grid Flag Location	09/28/2011 12:43:10	0.00691	0.01113	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0854	56.964363474	-158.637248683	22.397	Approximate Tundra Grid Flag Location	09/28/2011 12:43:10	0.00691	0.01113	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0855	56.964372365	-158.637295082	22.351	Approximate Tundra Grid Flag Location	09/28/2011 12:43:23	0.00990	0.01596	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0855	56.964372365	-158.637295082	22.351	Approximate Tundra Grid Flag Location	09/28/2011 12:43:23	0.00990	0.01596	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0856	56.964377640	-158.637189185	22.444	Approximate Tundra Grid Flag Location	09/28/2011 12:43:41	0.00584	0.00952	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0856	56.964377640	-158.637189185	22.444	Approximate Tundra Grid Flag Location	09/28/2011 12:43:41	0.00584	0.00952	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0857	56.964391089	-158.637116120	23.075	Approximate Tundra Grid Flag Location	09/28/2011 12:43:53	0.00503	0.00826	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0857	56.964391089	-158.637116120	23.075	Approximate Tundra Grid Flag Location	09/28/2011 12:43:53	0.00503	0.00826	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0858	56.964400570	-158.637180345	22.519	Approximate Tundra Grid Flag Location	09/28/2011 12:44:05	0.00818	0.01385	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0858	56.964400570	-158.637180345	22.519	Approximate Tundra Grid Flag Location	09/28/2011 12:44:05	0.00818	0.01385	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0859	56.964429320	-158.637145492	23.063	Approximate Tundra Grid Flag Location	09/28/2011 12:44:19	0.00688	0.01129	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0859	56.964429320	-158.637145492	23.063	Approximate Tundra Grid Flag Location	09/28/2011 12:44:19	0.00688	0.01129	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0860	56.964416272	-158.637214557	22.461	Approximate Tundra Grid Flag Location	09/28/2011 12:44:33	0.00775	0.01326	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0860	56.964416272	-158.637214557	22.461	Approximate Tundra Grid Flag Location	09/28/2011 12:44:33	0.00775	0.01326	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0861	56.964404505	-158.637287495	22.338	Approximate Tundra Grid Flag Location	09/28/2011 12:44:47	0.00643	0.01042	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0861	56.964404505	-158.637287495	22.338	Approximate Tundra Grid Flag Location	09/28/2011 12:44:47	0.00643	0.01042	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0862	56.964387474	-158.637358882	22.484	Approximate Tundra Grid Flag Location	09/28/2011 12:45:00	0.00827	0.01342	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0862	56.964387474	-158.637358882	22.484	Approximate Tundra Grid Flag Location	09/28/2011 12:45:00	0.00827	0.01342	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0863	56.964428271	-158.637384443	22.526	Approximate Tundra Grid Flag Location	09/28/2011 12:45:16	0.00756	0.01228	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0863	56.964428271	-158.637384443	22.526	Approximate Tundra Grid Flag Location	09/28/2011 12:45:16	0.00756	0.01228	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0864	56.964472114	-158.637414483	22.545	Approximate Tundra Grid Flag Location	09/28/2011 12:45:32	0.00738	0.01206	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0864	56.964472114	-158.637414483	22.545	Approximate Tundra Grid Flag Location	09/28/2011 12:45:32	0.00738	0.01206	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0865	56.964501874	-158.637433197	22.580	Approximate Tundra Grid Flag Location	09/28/2011 12:45:44	0.00673	0.01101	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0865	56.964501874	-158.637433197	22.580	Approximate Tundra Grid Flag Location	09/28/2011 12:45:44	0.00673	0.01101	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0866	56.964544984	-158.637459883	22.631	Approximate Tundra Grid Flag Location	09/28/2011 12:45:59	0.00806	0.01312	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0866	56.964544984	-158.637459883	22.631	Approximate Tundra Grid Flag Location	09/28/2011 12:45:59	0.00806	0.01312	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0867	56.964586890	-158.637485713	22.662	Approximate Tundra Grid Flag Location	09/28/2011 12:46:14	0.00555	0.00909	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0867	56.964586890	-158.637485713	22.662	Approximate Tundra Grid Flag Location	09/28/2011 12:46:14	0.00555	0.00909	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0868	56.964624943	-158.637513278	22.917	Approximate Tundra Grid Flag Location	09/28/2011 12:46:28	0.00704	0.01148	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0868	56.964624943	-158.637513278	22.917	Approximate Tundra Grid Flag Location	09/28/2011 12:46:28	0.00704	0.01148	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0869	56.964644291	-158.637479548	22.625	Approximate Tundra Grid Flag Location	09/28/2011 12:46:39	0.00510	0.00832	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0869	56.964644291	-158.637479548	22.625	Approximate Tundra Grid Flag Location	09/28/2011 12:46:39	0.00510	0.00832	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0870	56.964641396	-158.637446257	22.587	Approximate Tundra Grid Flag Location	09/28/2011 12:46:49	0.00509	0.00830	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0870	56.964641396	-158.637446257	22.587	Approximate Tundra Grid Flag Location	09/28/2011 12:46:49	0.00509	0.00830	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0871	56.964659600	-158.637374625	22.529	Approximate Tundra Grid Flag Location	09/28/2011 12:47:04	0.00645	0.01079	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0871	56.964659600	-158.637374625	22.529	Approximate Tundra Grid Flag Location	09/28/2011 12:47:04	0.00645	0.01079	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0872	56.964675499	-158.637368358	22.583	Approximate Tundra Grid Flag Location	09/28/2011 12:47:14	0.00886	0.01448	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0872	56.964675499	-158.637368358	22.583	Approximate Tundra Grid Flag Location	09/28/2011 12:47:14	0.00886	0.01448	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0873	56.964692437	-158.637401408	22.714	Approximate Tundra Grid Flag Location	09/28/2011 12:47:26	0.00601	0.00983	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0873	56.964692437	-158.637401408	22.714	Approximate Tundra Grid Flag Location	09/28/2011 12:47:26	0.00601	0.00983	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0874	56.964673020	-158.637469543	22.700	Approximate Tundra Grid Flag Location	09/28/2011 12:47:39	0.00539	0.00926	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0874	56.964673020	-158.637469543	22.700	Approximate Tundra Grid Flag Location	09/28/2011 12:47:39	0.00539	0.00926	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0875	56.964657095	-158.637538087	23.055	Approximate Tundra Grid Flag Location	09/28/2011 12:47:52	0.00562	0.00972	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0875	56.964657095	-158.637538087	23.055	Approximate Tundra Grid Flag Location	09/28/2011 12:47:52	0.00562	0.00972	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0876	56.964701076	-158.637565950	23.202	Approximate Tundra Grid Flag Location	09/28/2011 12:48:07	0.00613	0.01054	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0876	56.964701076	-158.637565950	23.202	Approximate Tundra Grid Flag Location	09/28/2011 12:48:07	0.00613	0.01054	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0877	56.964735845	-158.637591519	23.416	Approximate Tundra Grid Flag Location	09/28/2011 12:48:23	0.01068	0.01807	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0877	56.964735845	-158.637591519	23.416	Approximate Tundra Grid Flag Location	09/28/2011 12:48:23	0.01068	0.01807	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0878	56.964767468	-158.637613723	23.425	Approximate Tundra Grid Flag Location	09/28/2011 12:48:34	0.01000	0.01673	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0878	56.964767468	-158.637613723	23.425	Approximate Tundra Grid Flag Location	09/28/2011 12:48:34	0.01000	0.01673	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0879	56.964809810	-158.637647356	23.507	Approximate Tundra Grid Flag Location	09/28/2011 12:48:48	0.00848	0.01410	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0879	56.964809810	-158.637647356	23.507	Approximate Tundra Grid Flag Location	09/28/2011 12:48:48	0.00848	0.01410	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0880	56.964843562	-158.637670685	23.618	Approximate Tundra Grid Flag Location	09/28/2011 12:49:02	0.00680	0.01134	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0880	56.964843562	-158.637670685	23.618	Approximate Tundra Grid Flag Location	09/28/2011 12:49:02	0.00680	0.01134	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0881	56.964880510	-158.637698498	23.762	Approximate Tundra Grid Flag Location	09/28/2011 12:49:15	0.01023	0.01703	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0881	56.964880510	-158.637698498	23.762	Approximate Tundra Grid Flag Location	09/28/2011 12:49:15	0.01023	0.01703	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0882	56.964921209	-158.637726150	23.985	Approximate Tundra Grid Flag Location	09/28/2011 12:49:28	0.00666	0.01109	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0882	56.964921209	-158.637726150	23.985	Approximate Tundra Grid Flag Location	09/28/2011 12:49:28	0.00666	0.01109	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0883	56.964956514	-158.637749750	24.200	Approximate Tundra Grid Flag Location	09/28/2011 12:49:41	0.01078	0.01798	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0883	56.964956514	-158.637749750	24.200	Approximate Tundra Grid Flag Location	09/28/2011 12:49:41	0.01078	0.01798	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0884	56.964997210	-158.637778157	24.489	Approximate Tundra Grid Flag Location	09/28/2011 12:49:56	0.00717	0.01197	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0884	56.964997210	-158.637778157	24.489	Approximate Tundra Grid Flag Location	09/28/2011 12:49:56	0.00717	0.01197	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0885	56.965046297	-158.637811739	24.729	Approximate Tundra Grid Flag Location	09/28/2011 12:50:11	0.00598	0.01055	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0885	56.965046297	-158.637811739	24.729	Approximate Tundra Grid Flag Location	09/28/2011 12:50:11	0.00598	0.01055	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0886	56.965083066	-158.637835745	24.953	Approximate Tundra Grid Flag Location	09/28/2011 12:50:28	0.00589	0.00984	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0886	56.965083066	-158.637835745	24.953	Approximate Tundra Grid Flag Location	09/28/2011 12:50:28	0.00589	0.00984	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0887	56.965122649	-158.637861078	25.283	Approximate Tundra Grid Flag Location	09/28/2011 12:50:43	0.00562	0.00988	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0887	56.965122649	-158.637861078	25.283	Approximate Tundra Grid Flag Location	09/28/2011 12:50:43	0.00562	0.00988	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0888	56.965162597	-158.637887010	25.543	Approximate Tundra Grid Flag Location	09/28/2011 12:50:56	0.00743	0.01243	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0888	56.965162597	-158.637887010	25.543	Approximate Tundra Grid Flag Location	09/28/2011 12:50:56	0.00743	0.01243	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0889	56.965197477	-158.637913963	25.793	Approximate Tundra Grid Flag Location	09/28/2011 12:51:12	0.00555	0.00946	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0889	56.965197477	-158.637913963	25.793	Approximate Tundra Grid Flag Location	09/28/2011 12:51:12	0.00555	0.00946	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0890	56.965239931	-158.637945062	26.065	Approximate Tundra Grid Flag Location	09/28/2011 12:51:28	0.00555	0.00931	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0890	56.965239931	-158.637945062	26.065	Approximate Tundra Grid Flag Location	09/28/2011 12:51:28	0.00555	0.00931	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0891	56.965279434	-158.637973802	26.253	Approximate Tundra Grid Flag Location	09/28/2011 12:51:42	0.00547	0.00918	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0891	56.965279434	-158.637973802	26.253	Approximate Tundra Grid Flag Location	09/28/2011 12:51:42	0.00547	0.00918	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0892	56.965305191	-158.637990591	26.483	Approximate Tundra Grid Flag Location	09/28/2011 12:52:00	0.01306	0.02193	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0892	56.965305191	-158.637990591	26.483	Approximate Tundra Grid Flag Location	09/28/2011 12:52:00	0.01306	0.02193	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0893	56.965285727	-158.638057998	25.961	Approximate Tundra Grid Flag Location	09/28/2011 12:52:18	0.00746	0.01254	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0893	56.965285727	-158.638057998	25.961	Approximate Tundra Grid Flag Location	09/28/2011 12:52:18	0.00746	0.01254	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0894	56.965257850	-158.638039084	25.692	Approximate Tundra Grid Flag Location	09/28/2011 12:52:30	0.00684	0.01150	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0894	56.965257850	-158.638039084	25.692	Approximate Tundra Grid Flag Location	09/28/2011 12:52:30	0.00684	0.01150	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0895	56.965219723	-158.638009975	25.350	Approximate Tundra Grid Flag Location	09/28/2011 12:52:43	0.00820	0.01380	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0895	56.965219723	-158.638009975	25.350	Approximate Tundra Grid Flag Location	09/28/2011 12:52:43	0.00820	0.01380	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0896	56.965179886	-158.637982668	25.115	Approximate Tundra Grid Flag Location	09/28/2011 12:52:56	0.00614	0.01043	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0896	56.965179886	-158.637982668	25.115	Approximate Tundra Grid Flag Location	09/28/2011 12:52:56	0.00614	0.01043	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0897	56.965144237	-158.637955597	24.910	Approximate Tundra Grid Flag Location	09/28/2011 12:53:09	0.00489	0.00823	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0897	56.965144237	-158.637955597	24.910	Approximate Tundra Grid Flag Location	09/28/2011 12:53:09	0.00489	0.00823	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0898	56.965105821	-158.637931939	24.660	Approximate Tundra Grid Flag Location	09/28/2011 12:53:23	0.00601	0.01014	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0898	56.965105821	-158.637931939	24.660	Approximate Tundra Grid Flag Location	09/28/2011 12:53:23	0.00601	0.01014	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0899	56.965065137	-158.637904468	24.540	Approximate Tundra Grid Flag Location	09/28/2011 12:53:39	0.00764	0.01300	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0899	56.965065137	-158.637904468	24.540	Approximate Tundra Grid Flag Location	09/28/2011 12:53:39	0.00764	0.01300	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0900	56.965027130	-158.637880861	24.374	Approximate Tundra Grid Flag Location	09/28/2011 12:53:53	0.01183	0.02023	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0900	56.965027130	-158.637880861	24.374	Approximate Tundra Grid Flag Location	09/28/2011 12:53:53	0.01183	0.02023	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0901	56.964983940	-158.637848953	24.052	Approximate Tundra Grid Flag Location	09/28/2011 12:54:10	0.00722	0.01236	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0901	56.964983940	-158.637848953	24.052	Approximate Tundra Grid Flag Location	09/28/2011 12:54:10	0.00722	0.01236	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0902	56.964945130	-158.637824367	23.689	Approximate Tundra Grid Flag Location	09/28/2011 12:54:27	0.00706	0.01189	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0902	56.964945130	-158.637824367	23.689	Approximate Tundra Grid Flag Location	09/28/2011 12:54:27	0.00706	0.01189	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0903	56.964904909	-158.637796639	23.396	Approximate Tundra Grid Flag Location	09/28/2011 12:54:45	0.00607	0.00998	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0903	56.964904909	-158.637796639	23.396	Approximate Tundra Grid Flag Location	09/28/2011 12:54:45	0.00607	0.00998	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0904	56.964868480	-158.637771665	23.270	Approximate Tundra Grid Flag Location	09/28/2011 12:55:00	0.00748	0.01232	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0904	56.964868480	-158.637771665	23.270	Approximate Tundra Grid Flag Location	09/28/2011 12:55:00	0.00748	0.01232	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0905	56.964868550	-158.637771581	23.269	Approximate Tundra Grid Flag Location	09/28/2011 12:55:03	0.00513	0.00844	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0905	56.964868550	-158.637771581	23.269	Approximate Tundra Grid Flag Location	09/28/2011 12:55:03	0.00513	0.00844	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0906	56.964828948	-158.637740855	23.155	Approximate Tundra Grid Flag Location	09/28/2011 12:55:44	0.00587	0.00968	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0906	56.964828948	-158.637740855	23.155	Approximate Tundra Grid Flag Location	09/28/2011 12:55:44	0.00587	0.00968	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0907	56.964793596	-158.637717024	23.214	Approximate Tundra Grid Flag Location	09/28/2011 12:55:58	0.00712	0.01176	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0907	56.964793596	-158.637717024	23.214	Approximate Tundra Grid Flag Location	09/28/2011 12:55:58	0.00712	0.01176	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0908	56.964751029	-158.637684321	23.103	Approximate Tundra Grid Flag Location	09/28/2011 12:56:14	0.00988	0.01655	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0908	56.964751029	-158.637684321	23.103	Approximate Tundra Grid Flag Location	09/28/2011 12:56:14	0.00988	0.01655	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0909	56.964723921	-158.637664392	22.999	Approximate Tundra Grid Flag Location	09/28/2011 12:56:30	0.00757	0.01251	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0909	56.964723921	-158.637664392	22.999	Approximate Tundra Grid Flag Location	09/28/2011 12:56:30	0.00757	0.01251	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0910	56.964685173	-158.637637280	22.993	Approximate Tundra Grid Flag Location	09/28/2011 12:56:44	0.00619	0.01024	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0910	56.964685173	-158.637637280	22.993	Approximate Tundra Grid Flag Location	09/28/2011 12:56:44	0.00619	0.01024	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0911	56.964644473	-158.637610631	23.062	Approximate Tundra Grid Flag Location	09/28/2011 12:56:57	0.00716	0.01185	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0911	56.964644473	-158.637610631	23.062	Approximate Tundra Grid Flag Location	09/28/2011 12:56:57	0.00716	0.01185	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0912	56.964607435	-158.637580820	23.190	Approximate Tundra Grid Flag Location	09/28/2011 12:57:14	0.00639	0.01090	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0912	56.964607435	-158.637580820	23.190	Approximate Tundra Grid Flag Location	09/28/2011 12:57:14	0.00639	0.01090	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0913	56.964570453	-158.637555677	23.188	Approximate Tundra Grid Flag Location	09/28/2011 12:57:28	0.01030	0.01707	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0913	56.964570453	-158.637555677	23.188	Approximate Tundra Grid Flag Location	09/28/2011 12:57:28	0.01030	0.01707	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0914	56.964532593	-158.637532471	23.204	Approximate Tundra Grid Flag Location	09/28/2011 12:57:43	0.00653	0.01082	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0914	56.964532593	-158.637532471	23.204	Approximate Tundra Grid Flag Location	09/28/2011 12:57:43	0.00653	0.01082	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0915	56.964492253	-158.637507096	23.069	Approximate Tundra Grid Flag Location	09/28/2011 12:57:56	0.00885	0.01468	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0915	56.964492253	-158.637507096	23.069	Approximate Tundra Grid Flag Location	09/28/2011 12:57:56	0.00885	0.01468	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0916	56.964457278	-158.637484113	23.053	Approximate Tundra Grid Flag Location	09/28/2011 12:58:10	0.00730	0.01212	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0916	56.964457278	-158.637484113	23.053	Approximate Tundra Grid Flag Location	09/28/2011 12:58:10	0.00730	0.01212	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0917	56.964415699	-158.637457185	23.079	Approximate Tundra Grid Flag Location	09/28/2011 12:58:24	0.00609	0.01023	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0917	56.964415699	-158.637457185	23.079	Approximate Tundra Grid Flag Location	09/28/2011 12:58:24	0.00609	0.01023	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0918	56.964376557	-158.637432425	22.878	Approximate Tundra Grid Flag Location	09/28/2011 12:58:38	0.00690	0.01155	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0918	56.964376557	-158.637432425	22.878	Approximate Tundra Grid Flag Location	09/28/2011 12:58:38	0.00690	0.01155	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0919	56.964339001	-158.637404838	22.770	Approximate Tundra Grid Flag Location	09/28/2011 12:58:53	0.00961	0.01609	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0919	56.964339001	-158.637404838	22.770	Approximate Tundra Grid Flag Location	09/28/2011 12:58:53	0.00961	0.01609	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0920	56.964299280	-158.637384907	22.782	Approximate Tundra Grid Flag Location	09/28/2011 12:59:07	0.01163	0.01931	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0920	56.964299280	-158.637384907	22.782	Approximate Tundra Grid Flag Location	09/28/2011 12:59:07	0.01163	0.01931	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0921	56.964263336	-158.637361102	22.706	Approximate Tundra Grid Flag Location	09/28/2011 12:59:20	0.00779	0.01283	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0921	56.964263336	-158.637361102	22.706	Approximate Tundra Grid Flag Location	09/28/2011 12:59:20	0.00779	0.01283	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0922	56.964222191	-158.637335598	22.802	Approximate Tundra Grid Flag Location	09/28/2011 12:59:34	0.00694	0.01146	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0922	56.964222191	-158.637335598	22.802	Approximate Tundra Grid Flag Location	09/28/2011 12:59:34	0.00694	0.01146	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0923	56.964184401	-158.637313209	22.635	Approximate Tundra Grid Flag Location	09/28/2011 12:59:48	0.00723	0.01194	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0923	56.964184401	-158.637313209	22.635	Approximate Tundra Grid Flag Location	09/28/2011 12:59:48	0.00723	0.01194	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0924	56.964143080	-158.637293113	22.611	Approximate Tundra Grid Flag Location	09/28/2011 13:00:00	0.00657	0.01086	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0924	56.964143080	-158.637293113	22.611	Approximate Tundra Grid Flag Location	09/28/2011 13:00:00	0.00657	0.01086	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0925	56.964103964	-158.637269684	22.701	Approximate Tundra Grid Flag Location	09/28/2011 13:00:11	0.00555	0.00915	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0925	56.964103964	-158.637269684	22.701	Approximate Tundra Grid Flag Location	09/28/2011 13:00:11	0.00555	0.00915	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0926	56.964065639	-158.637246306	22.643	Approximate Tundra Grid Flag Location	09/28/2011 13:00:24	0.00581	0.00953	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0926	56.964065639	-158.637246306	22.643	Approximate Tundra Grid Flag Location	09/28/2011 13:00:24	0.00581	0.00953	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0927	56.964024356	-158.637225279	22.596	Approximate Tundra Grid Flag Location	09/28/2011 13:00:36	0.00519	0.00852	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0927	56.964024356	-158.637225279	22.596	Approximate Tundra Grid Flag Location	09/28/2011 13:00:36	0.00519	0.00852	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0928	56.963988728	-158.637202183	22.575	Approximate Tundra Grid Flag Location	09/28/2011 13:00:49	0.00653	0.01078	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0928	56.963988728	-158.637202183	22.575	Approximate Tundra Grid Flag Location	09/28/2011 13:00:49	0.00653	0.01078	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0929	56.963413349	-158.636929260	22.783	Approximate Tundra Grid Flag Location	09/28/2011 14:06:35	0.00582	0.00821	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0929	56.963413349	-158.636929260	22.783	Approximate Tundra Grid Flag Location	09/28/2011 14:06:35	0.00582	0.00821	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0930	56.963946596	-158.637180231	22.602	Approximate Tundra Grid Flag Location	09/28/2011 14:08:44	0.00597	0.00850	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0930	56.963946596	-158.637180231	22.602	Approximate Tundra Grid Flag Location	09/28/2011 14:08:44	0.00597	0.00850	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0931	56.963913108	-158.637163745	22.604	Approximate Tundra Grid Flag Location	09/28/2011 14:08:56	0.00597	0.00832	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0931	56.963913108	-158.637163745	22.604	Approximate Tundra Grid Flag Location	09/28/2011 14:08:56	0.00597	0.00832	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0932	56.963870040	-158.637145860	22.530	Approximate Tundra Grid Flag Location	09/28/2011 14:09:09	0.01106	0.01538	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0932	56.963870040	-158.637145860	22.530	Approximate Tundra Grid Flag Location	09/28/2011 14:09:09	0.01106	0.01538	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0933	56.963834766	-158.637125704	22.596	Approximate Tundra Grid Flag Location	09/28/2011 14:09:22	0.00565	0.00786	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0933	56.963834766	-158.637125704	22.596	Approximate Tundra Grid Flag Location	09/28/2011 14:09:22	0.00565	0.00786	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0934	56.963795373	-158.637108119	22.462	Approximate Tundra Grid Flag Location	09/28/2011 14:09:34	0.00733	0.01017	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0934	56.963795373	-158.637108119	22.462	Approximate Tundra Grid Flag Location	09/28/2011 14:09:34	0.00733	0.01017	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0935	56.963757616	-158.637088604	22.456	Approximate Tundra Grid Flag Location	09/28/2011 14:09:46	0.00604	0.00838	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0935	56.963757616	-158.637088604	22.456	Approximate Tundra Grid Flag Location	09/28/2011 14:09:46	0.00604	0.00838	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0936	56.963716513	-158.637067152	22.436	Approximate Tundra Grid Flag Location	09/28/2011 14:09:59	0.00553	0.00766	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0936	56.963716513	-158.637067152	22.436	Approximate Tundra Grid Flag Location	09/28/2011 14:09:59	0.00553	0.00766	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0937	56.963677487	-158.637046625	22.438	Approximate Tundra Grid Flag Location	09/28/2011 14:10:11	0.00539	0.00745	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0937	56.963677487	-158.637046625	22.438	Approximate Tundra Grid Flag Location	09/28/2011 14:10:11	0.00539	0.00745	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0938	56.963651296	-158.637034440	22.562	Approximate Tundra Grid Flag Location	09/28/2011 14:10:23	0.00520	0.00718	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0938	56.963651296	-158.637034440	22.562	Approximate Tundra Grid Flag Location	09/28/2011 14:10:23	0.00520	0.00718	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0939	56.963611118	-158.637019055	22.445	Approximate Tundra Grid Flag Location	09/28/2011 14:10:38	0.00744	0.01027	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0939	56.963611118	-158.637019055	22.445	Approximate Tundra Grid Flag Location	09/28/2011 14:10:38	0.00744	0.01027	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0940	56.963569395	-158.637001965	22.407	Approximate Tundra Grid Flag Location	09/28/2011 14:10:53	0.00766	0.01056	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0940	56.963569395	-158.637001965	22.407	Approximate Tundra Grid Flag Location	09/28/2011 14:10:53	0.00766	0.01056	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0941	56.963530537	-158.636984846	22.383	Approximate Tundra Grid Flag Location	09/28/2011 14:11:07	0.00571	0.00787	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0941	56.963530537	-158.636984846	22.383	Approximate Tundra Grid Flag Location	09/28/2011 14:11:07	0.00571	0.00787	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0942	56.963489034	-158.636968128	22.394	Approximate Tundra Grid Flag Location	09/28/2011 14:11:20	0.00608	0.00854	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0942	56.963489034	-158.636968128	22.394	Approximate Tundra Grid Flag Location	09/28/2011 14:11:20	0.00608	0.00854	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0943	56.963452853	-158.636947996	22.485	Approximate Tundra Grid Flag Location	09/28/2011 14:11:33	0.00724	0.00995	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0943	56.963452853	-158.636947996	22.485	Approximate Tundra Grid Flag Location	09/28/2011 14:11:33	0.00724	0.00995	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0944	56.963412102	-158.636929733	22.776	Approximate Tundra Grid Flag Location	09/28/2011 14:11:47	0.00620	0.00868	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0944	56.963412102	-158.636929733	22.776	Approximate Tundra Grid Flag Location	09/28/2011 14:11:47	0.00620	0.00868	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0945	56.963375074	-158.636912749	22.940	Approximate Tundra Grid Flag Location	09/28/2011 14:12:00	0.00529	0.00726	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0945	56.963375074	-158.636912749	22.940	Approximate Tundra Grid Flag Location	09/28/2011 14:12:00	0.00529	0.00726	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0946	56.963332536	-158.636896246	23.044	Approximate Tundra Grid Flag Location	09/28/2011 14:12:14	0.00838	0.01170	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0946	56.963332536	-158.636896246	23.044	Approximate Tundra Grid Flag Location	09/28/2011 14:12:14	0.00838	0.01170	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0947	56.963292856	-158.636881180	22.939	Approximate Tundra Grid Flag Location	09/28/2011 14:12:26	0.00725	0.00990	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0947	56.963292856	-158.636881180	22.939	Approximate Tundra Grid Flag Location	09/28/2011 14:12:26	0.00725	0.00990	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0948	56.963252134	-158.636867628	22.735	Approximate Tundra Grid Flag Location	09/28/2011 14:12:40	0.00551	0.00769	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0948	56.963252134	-158.636867628	22.735	Approximate Tundra Grid Flag Location	09/28/2011 14:12:40	0.00551	0.00769	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0949	56.963212653	-158.636851164	22.458	Approximate Tundra Grid Flag Location	09/28/2011 14:12:54	0.00583	0.00796	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0949	56.963212653	-158.636851164	22.458	Approximate Tundra Grid Flag Location	09/28/2011 14:12:54	0.00583	0.00796	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0950	56.963172824	-158.636831262	22.366	Approximate Tundra Grid Flag Location	09/28/2011 14:13:07	0.00620	0.00863	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0950	56.963172824	-158.636831262	22.366	Approximate Tundra Grid Flag Location	09/28/2011 14:13:07	0.00620	0.00863	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0951	56.966647627	-158.638990880	28.969	Approximate Tundra Grid Flag Location	09/28/2011 14:18:02	0.00682	0.00922	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0951	56.966647627	-158.638990880	28.969	Approximate Tundra Grid Flag Location	09/28/2011 14:18:02	0.00682	0.00922	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0952	56.966608805	-158.638964598	28.246	Approximate Tundra Grid Flag Location	09/28/2011 14:18:16	0.00626	0.00832	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0952	56.966608805	-158.638964598	28.246	Approximate Tundra Grid Flag Location	09/28/2011 14:18:16	0.00626	0.00832	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0953	56.966578632	-158.638949530	27.799	Approximate Tundra Grid Flag Location	09/28/2011 14:18:28	0.00648	0.00862	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0953	56.966578632	-158.638949530	27.799	Approximate Tundra Grid Flag Location	09/28/2011 14:18:28	0.00648	0.00862	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0954	56.966558399	-158.638931738	27.569	Approximate Tundra Grid Flag Location	09/28/2011 14:18:42	0.00878	0.01166	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0954	56.966558399	-158.638931738	27.569	Approximate Tundra Grid Flag Location	09/28/2011 14:18:42	0.00878	0.01166	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0955	56.966516597	-158.638897814	27.333	Approximate Tundra Grid Flag Location	09/28/2011 14:19:01	0.00792	0.01075	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0955	56.966516597	-158.638897814	27.333	Approximate Tundra Grid Flag Location	09/28/2011 14:19:01	0.00792	0.01075	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0956	56.966481389	-158.638873314	27.544	Approximate Tundra Grid Flag Location	09/28/2011 14:19:17	0.00911	0.01226	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0956	56.966481389	-158.638873314	27.544	Approximate Tundra Grid Flag Location	09/28/2011 14:19:17	0.00911	0.01226	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0957	56.966444096	-158.638842546	27.175	Approximate Tundra Grid Flag Location	09/28/2011 14:19:33	0.00657	0.00889	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0957	56.966444096	-158.638842546	27.175	Approximate Tundra Grid Flag Location	09/28/2011 14:19:33	0.00657	0.00889	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0958	56.966409130	-158.638818586	27.277	Approximate Tundra Grid Flag Location	09/28/2011 14:19:48	0.00547	0.00732	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0958	56.966409130	-158.638818586	27.277	Approximate Tundra Grid Flag Location	09/28/2011 14:19:48	0.00547	0.00732	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0959	56.966369023	-158.638781587	26.920	Approximate Tundra Grid Flag Location	09/28/2011 14:20:23	0.00634	0.00869	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0959	56.966369023	-158.638781587	26.920	Approximate Tundra Grid Flag Location	09/28/2011 14:20:23	0.00634	0.00869	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0960	56.966327212	-158.638761472	26.686	Approximate Tundra Grid Flag Location	09/28/2011 14:20:42	0.00542	0.00718	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0960	56.966327312	-158.638761472	26.686	Approximate Tundra Grid Flag Location	09/28/2011 14:20:42	0.00543	0.00718	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0961	56.966283198	-158.638740759	26.457	Approximate Tundra Grid Flag Location	09/28/2011 14:21:00	0.00579	0.00781	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0961	56.966283198	-158.638740759	26.457	Approximate Tundra Grid Flag Location	09/28/2011 14:21:00	0.00579	0.00781	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0962	56.966243453	-158.638699577	25.907	Approximate Tundra Grid Flag Location	09/28/2011 14:21:16	0.00549	0.00738	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0962	56.966243453	-158.638699577	25.907	Approximate Tundra Grid Flag Location	09/28/2011 14:21:16	0.00549	0.00738	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0963	56.966205159	-158.638671521	25.960	Approximate Tundra Grid Flag Location	09/28/2011 14:21:31	0.00975	0.01400	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0963	56.966205159	-158.638671521	25.960	Approximate Tundra Grid Flag Location	09/28/2011 14:21:31	0.00975	0.01400	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0964	56.966221643	-158.638606421	25.907	Approximate Tundra Grid Flag Location	09/28/2011 14:21:50	0.00964	0.01273	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0964	56.966221643	-158.638606421	25.907	Approximate Tundra Grid Flag Location	09/28/2011 14:21:50	0.00964	0.01273	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0965	56.966202409	-158.638619492	25.721	Approximate Tundra Grid Flag Location	09/28/2011 14:22:05	0.00644	0.00848	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0965	56.966202409	-158.638619492	25.721	Approximate Tundra Grid Flag Location	09/28/2011 14:22:05	0.00644	0.00848	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0966	56.966241935	-158.638541506	26.153	Approximate Tundra Grid Flag Location	09/28/2011 14:22:22	0.00508	0.00682	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0966	56.966241935	-158.638541506	26.153	Approximate Tundra Grid Flag Location	09/28/2011 14:22:22	0.00508	0.00682	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0967	56.966207340	-158.638531112	25.893	Approximate Tundra Grid Flag Location	09/28/2011 14:22:38	0.00661	0.00870	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0967	56.966207340	-158.638531112	25.893	Approximate Tundra Grid Flag Location	09/28/2011 14:22:38	0.00661	0.00870	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0968	56.966202778	-158.638511553	25.903	Approximate Tundra Grid Flag Location	09/28/2011 14:22:48	0.00643	0.00846	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0968	56.966202778	-158.638511553	25.903	Approximate Tundra Grid Flag Location	09/28/2011 14:22:48	0.00643	0.00846	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0969	56.966183825	-158.638578841	25.972	Approximate Tundra Grid Flag Location	09/28/2011 14:23:03	0.00501	0.00659	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0969	56.966183825	-158.638578841	25.972	Approximate Tundra Grid Flag Location	09/28/2011 14:23:03	0.00501	0.00659	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0970	56.966165662	-158.638646047	26.033	Approximate Tundra Grid Flag Location	09/28/2011 14:23:21	0.00922	0.01217	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0970	56.966165662	-158.638646047	26.033	Approximate Tundra Grid Flag Location	09/28/2011 14:23:21	0.00922	0.01217	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0971	56.966132220	-158.638617250	25.857	Approximate Tundra Grid Flag Location	09/28/2011 14:23:35	0.00903	0.01184	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0971	56.966132220	-158.638617250	25.857	Approximate Tundra Grid Flag Location	09/28/2011 14:23:35	0.00903	0.01184	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0972	56.966094621	-158.638592019	25.787	Approximate Tundra Grid Flag Location	09/28/2011 14:23:49	0.00637	0.00849	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0972	56.966094621	-158.638592019	25.787	Approximate Tundra Grid Flag Location	09/28/2011 14:23:49	0.00637	0.00849	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0973	56.966055771	-158.638561609	25.900	Approximate Tundra Grid Flag Location	09/28/2011 14:24:04	0.00717	0.00945	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0973	56.966055771	-158.638561609	25.900	Approximate Tundra Grid Flag Location	09/28/2011 14:24:04	0.00717	0.00945	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0974	56.966026007	-158.638540819	25.828	Approximate Tundra Grid Flag Location	09/28/2011 14:24:18	0.00744	0.01034	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0974	56.966026007	-158.638540819	25.828	Approximate Tundra Grid Flag Location	09/28/2011 14:24:18	0.00744	0.01034	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0975	56.965991668	-158.638513455	26.019	Approximate Tundra Grid Flag Location	09/28/2011 14:24:37	0.00560	0.00733	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0975	56.965991668	-158.638513455	26.019	Approximate Tundra Grid Flag Location	09/28/2011 14:24:37	0.00560	0.00733	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0976	56.965950420	-158.638485449	25.920	Approximate Tundra Grid Flag Location	09/28/2011 14:24:55	0.00505	0.00661	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0976	56.965950420	-158.638485449	25.920	Approximate Tundra Grid Flag Location	09/28/2011 14:24:55	0.00505	0.00661	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0977	56.965909716	-158.638452565	25.953	Approximate Tundra Grid Flag Location	09/28/2011 14:25:11	0.00521	0.00688	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0977	56.965909716	-158.638452565	25.953	Approximate Tundra Grid Flag Location	09/28/2011 14:25:11	0.00521	0.00688	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0978	56.965876512	-158.638426287	25.888	Approximate Tundra Grid Flag Location	09/28/2011 14:25:26	0.00562	0.00736	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0978	56.965876512	-158.638426287	25.888	Approximate Tundra Grid Flag Location	09/28/2011 14:25:26	0.00562	0.00736	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0979	56.965837335	-158.638400049	25.957	Approximate Tundra Grid Flag Location	09/28/2011 14:25:42	0.00548	0.00724	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0979	56.965837335	-158.638400049	25.957	Approximate Tundra Grid Flag Location	09/28/2011 14:25:42	0.00548	0.00724	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0980	56.965799709	-158.638368809	26.073	Approximate Tundra Grid Flag Location	09/28/2011 14:26:00	0.00806	0.01050	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0980	56.965799709	-158.638368809	26.073	Approximate Tundra Grid Flag Location	09/28/2011 14:26:00	0.00806	0.01050	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0981	56.965780899	-158.638355514	26.058	Approximate Tundra Grid Flag Location	09/28/2011 14:26:14	0.00720	0.00933	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0981	56.965780899	-158.638355514	26.058	Approximate Tundra Grid Flag Location	09/28/2011 14:26:14	0.00720	0.00933	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0982	56.965740675	-158.638328616	26.169	Approximate Tundra Grid Flag Location	09/28/2011 14:26:30	0.00602	0.00821	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0982	56.965740675	-158.638328616	26.169	Approximate Tundra Grid Flag Location	09/28/2011 14:26:30	0.00602	0.00821	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0983	56.965707684	-158.638303107	26.197	Approximate Tundra Grid Flag Location	09/28/2011 14:26:45	0.00534	0.00721	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0983	56.965707684	-158.638303107	26.197	Approximate Tundra Grid Flag Location	09/28/2011 14:26:45	0.00534	0.00721	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0984	56.965670203	-158.638271921	26.060	Approximate Tundra Grid Flag Location	09/28/2011 14:27:01	0.00613	0.00818	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0984	56.965670203	-158.638271921	26.060	Approximate Tundra Grid Flag Location	09/28/2011 14:27:01	0.00613	0.00818	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0985	56.965636069	-158.638253132	25.914	Approximate Tundra Grid Flag Location	09/28/2011 14:27:23	0.00576	0.00752	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0985	56.965636069	-158.638253132	25.914	Approximate Tundra Grid Flag Location	09/28/2011 14:27:23	0.00576	0.00752	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0986	56.965595265	-158.638220002	25.764	Approximate Tundra Grid Flag Location	09/28/2011 14:28:07	0.00667	0.00880	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0986	56.965595265	-158.638220002	25.764	Approximate Tundra Grid Flag Location	09/28/2011 14:28:07	0.00667	0.00880	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0987	56.965558218	-158.638193279	25.897	Approximate Tundra Grid Flag Location	09/28/2011 14:28:22	0.00558	0.00725	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0987	56.965558218	-158.638193279	25.897	Approximate Tundra Grid Flag Location	09/28/2011 14:28:22	0.00558	0.00725	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0988	56.965534512	-158.638173355	26.161	Approximate Tundra Grid Flag Location	09/28/2011 14:28:36	0.00664	0.00840	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0988	56.965534512	-158.638173355	26.161	Approximate Tundra Grid Flag Location	09/28/2011 14:28:36	0.00664	0.00840	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG0989	56.965493235	-158.638139654	26.281	Approximate Tundra Grid Flag Location	09/28/2011 14:29:13	0.00604	0.00788	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0989	56.965493235	-158.638139654	26.281	Approximate Tundra Grid Flag Location	09/28/2011 14:29:13	0.00604	0.00788	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0990	56.965452746	-158.638104879	26.807	Approximate Tundra Grid Flag Location	09/28/2011 14:29:37	0.00624	0.00823	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0990	56.965452746	-158.638104879	26.807	Approximate Tundra Grid Flag Location	09/28/2011 14:29:37	0.00624	0.00823	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0991	56.965421611	-158.638080575	27.027	Approximate Tundra Grid Flag Location	09/28/2011 14:29:57	0.00919	0.01207	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0991	56.965421611	-158.638080575	27.027	Approximate Tundra Grid Flag Location	09/28/2011 14:29:57	0.00919	0.01207	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0992	56.965386318	-158.638054391	26.848	Approximate Tundra Grid Flag Location	09/28/2011 14:30:11	0.00604	0.00785	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0992	56.965386318	-158.638054391	26.848	Approximate Tundra Grid Flag Location	09/28/2011 14:30:11	0.00604	0.00785	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0993	56.965349169	-158.638025640	26.673	Approximate Tundra Grid Flag Location	09/28/2011 14:30:24	0.00941	0.01221	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0993	56.965349169	-158.638025640	26.673	Approximate Tundra Grid Flag Location	09/28/2011 14:30:24	0.00941	0.01221	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0994	56.965324234	-158.638085372	26.256	Approximate Tundra Grid Flag Location	09/28/2011 14:31:08	0.00694	0.00893	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0994	56.965324234	-158.638085372	26.256	Approximate Tundra Grid Flag Location	09/28/2011 14:31:08	0.00694	0.00893	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0995	56.965361625	-158.638116438	26.575	Approximate Tundra Grid Flag Location	09/28/2011 14:31:22	0.00634	0.00816	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0995	56.965361625	-158.638116438	26.575	Approximate Tundra Grid Flag Location	09/28/2011 14:31:22	0.00634	0.00816	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0996	56.965393455	-158.638143758	26.578	Approximate Tundra Grid Flag Location	09/28/2011 14:31:35	0.00655	0.00851	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0996	56.965393455	-158.638143758	26.578	Approximate Tundra Grid Flag Location	09/28/2011 14:31:35	0.00655	0.00851	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0997	56.965437031	-158.638174257	26.815	Approximate Tundra Grid Flag Location	09/28/2011 14:31:48	0.00865	0.01125	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0997	56.965437031	-158.638174257	26.815	Approximate Tundra Grid Flag Location	09/28/2011 14:31:48	0.00865	0.01125	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0998	56.965474848	-158.638205079	27.106	Approximate Tundra Grid Flag Location	09/28/2011 14:32:02	0.00659	0.00858	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0998	56.965474848	-158.638205079	27.106	Approximate Tundra Grid Flag Location	09/28/2011 14:32:02	0.00659	0.00858	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0999	56.965513095	-158.638236955	27.216	Approximate Tundra Grid Flag Location	09/28/2011 14:32:19	0.00650	0.00816	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG0999	56.965513095	-158.638236955	27.216	Approximate Tundra Grid Flag Location	09/28/2011 14:32:19	0.00650	0.00816	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1000	56.965536049	-158.638253870	27.235	Approximate Tundra Grid Flag Location	09/28/2011 14:32:31	0.00680	0.00854	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1000	56.965536049	-158.638253870	27.235	Approximate Tundra Grid Flag Location	09/28/2011 14:32:31	0.00680	0.00854	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1001	56.965577513	-158.638285025	27.120	Approximate Tundra Grid Flag Location	09/28/2011 14:32:45	0.00655	0.00836	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1001	56.965577513	-158.638285025	27.120	Approximate Tundra Grid Flag Location	09/28/2011 14:32:45	0.00655	0.00836	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1002	56.965614588	-158.638314012	26.933	Approximate Tundra Grid Flag Location	09/28/2011 14:33:05	0.00831	0.01045	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1002	56.965614588	-158.638314012	26.933	Approximate Tundra Grid Flag Location	09/28/2011 14:33:05	0.00831	0.01045	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1003	56.965652393	-158.638341193	26.642	Approximate Tundra Grid Flag Location	09/28/2011 14:33:22	0.00944	0.01173	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1003	56.965652393	-158.638341193	26.642	Approximate Tundra Grid Flag Location	09/28/2011 14:33:22	0.00944	0.01173	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1004	56.965687679	-158.638234308	26.060	Approximate Tundra Grid Flag Location	09/28/2011 14:33:42	0.00832	0.01046	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1004	56.965687679	-158.638234308	26.060	Approximate Tundra Grid Flag Location	09/28/2011 14:33:42	0.00832	0.01046	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1005	56.965689474	-158.638203638	26.300	Approximate Tundra Grid Flag Location	09/28/2011 14:33:51	0.00955	0.01245	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1005	56.965689474	-158.638203638	26.300	Approximate Tundra Grid Flag Location	09/28/2011 14:33:51	0.00955	0.01245	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1006	56.965716120	-158.638122470	26.382	Approximate Tundra Grid Flag Location	09/28/2011 14:34:09	0.00811	0.01061	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1006	56.965716120	-158.638122470	26.382	Approximate Tundra Grid Flag Location	09/28/2011 14:34:09	0.00811	0.01061	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1007	56.965724011	-158.638228973	26.317	Approximate Tundra Grid Flag Location	09/28/2011 14:34:27	0.00588	0.00763	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1007	56.965724011	-158.638228973	26.317	Approximate Tundra Grid Flag Location	09/28/2011 14:34:27	0.00588	0.00763	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1008	56.965690070	-158.638369730	26.320	Approximate Tundra Grid Flag Location	09/28/2011 14:34:48	0.00756	0.00939	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1008	56.965690070	-158.638369730	26.320	Approximate Tundra Grid Flag Location	09/28/2011 14:34:48	0.00756	0.00939	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1009	56.965724980	-158.638396986	26.139	Approximate Tundra Grid Flag Location	09/28/2011 14:35:01	0.00471	0.00610	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1009	56.965724980	-158.638396986	26.139	Approximate Tundra Grid Flag Location	09/28/2011 14:35:01	0.00471	0.00610	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1010	56.965763622	-158.638426610	26.064	Approximate Tundra Grid Flag Location	09/28/2011 14:35:15	0.00622	0.00807	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1010	56.965763622	-158.638426610	26.064	Approximate Tundra Grid Flag Location	09/28/2011 14:35:15	0.00622	0.00807	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1011	56.965784620	-158.638440338	26.122	Approximate Tundra Grid Flag Location	09/28/2011 14:35:26	0.00482	0.00626	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1011	56.965784620	-158.638440338	26.122	Approximate Tundra Grid Flag Location	09/28/2011 14:35:26	0.00482	0.00626	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1012	56.965822871	-158.638467690	25.997	Approximate Tundra Grid Flag Location	09/28/2011 14:35:52	0.00578	0.00747	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1012	56.965822871	-158.638467690	25.997	Approximate Tundra Grid Flag Location	09/28/2011 14:35:52	0.00578	0.00747	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1013	56.965857998	-158.638496150	26.066	Approximate Tundra Grid Flag Location	09/28/2011 14:36:05	0.00608	0.00788	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1013	56.965857998	-158.638496150	26.066	Approximate Tundra Grid Flag Location	09/28/2011 14:36:05	0.00608	0.00788	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1014	56.965894107	-158.638526401	26.073	Approximate Tundra Grid Flag Location	09/28/2011 14:36:18	0.00643	0.00832	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1014	56.965894107	-158.638526401	26.073	Approximate Tundra Grid Flag Location	09/28/2011 14:36:18	0.00643	0.00832	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1015	56.965933098	-158.638553805	26.040	Approximate Tundra Grid Flag Location	09/28/2011 14:36:30	0.00857	0.01112	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1015	56.965933098	-158.638553805	26.040	Approximate Tundra Grid Flag Location	09/28/2011 14:36:30	0.00857	0.01112	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1016	56.965967648	-158.638579639	25.946	Approximate Tundra Grid Flag Location	09/28/2011 14:36:45	0.00945	0.01223	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1016	56.965967648	-158.638579639	25.946	Approximate Tundra Grid Flag Location	09/28/2011 14:36:45	0.00945	0.01223	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1017	56.965930267	-158.638416510	26.021	Approximate Tundra Grid Flag Location	09/28/2011 14:37:11	0.00735	0.00972	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG1017	56.965930267	-158.638416510	26.021	Approximate Tundra Grid Flag Location	09/28/2011 14:37:11	0.00735	0.00972	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1018	56.965925942	-158.638381508	25.953	Approximate Tundra Grid Flag Location	09/28/2011 14:37:23	0.00812	0.01059	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1018	56.965925942	-158.638381508	25.953	Approximate Tundra Grid Flag Location	09/28/2011 14:37:23	0.00812	0.01059	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1019	56.965939806	-158.638313496	25.937	Approximate Tundra Grid Flag Location	09/28/2011 14:37:47	0.00660	0.00868	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1019	56.965939806	-158.638313496	25.937	Approximate Tundra Grid Flag Location	09/28/2011 14:37:47	0.00660	0.00868	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1020	56.965953591	-158.638302820	26.108	Approximate Tundra Grid Flag Location	09/28/2011 14:37:56	0.00845	0.01106	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1020	56.965953591	-158.638302820	26.108	Approximate Tundra Grid Flag Location	09/28/2011 14:37:56	0.00845	0.01106	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1021	56.965979446	-158.638342683	26.048	Approximate Tundra Grid Flag Location	09/28/2011 14:38:11	0.01012	0.01321	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1021	56.965979446	-158.638342683	26.048	Approximate Tundra Grid Flag Location	09/28/2011 14:38:11	0.01012	0.01321	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1022	56.965966181	-158.638413445	25.975	Approximate Tundra Grid Flag Location	09/28/2011 14:38:25	0.00512	0.00669	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1022	56.965966181	-158.638413445	25.975	Approximate Tundra Grid Flag Location	09/28/2011 14:38:25	0.00512	0.00669	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1023	56.966010100	-158.638611017	25.877	Approximate Tundra Grid Flag Location	09/28/2011 14:38:53	0.00897	0.01174	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1023	56.966010100	-158.638611017	25.877	Approximate Tundra Grid Flag Location	09/28/2011 14:38:53	0.00897	0.01174	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1024	56.966036367	-158.638632620	25.861	Approximate Tundra Grid Flag Location	09/28/2011 14:39:04	0.00993	0.01299	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1024	56.966036367	-158.638632620	25.861	Approximate Tundra Grid Flag Location	09/28/2011 14:39:04	0.00993	0.01299	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1025	56.966076529	-158.638660573	25.897	Approximate Tundra Grid Flag Location	09/28/2011 14:39:15	0.00627	0.00829	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1025	56.966076529	-158.638660573	25.897	Approximate Tundra Grid Flag Location	09/28/2011 14:39:15	0.00627	0.00829	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1026	56.966113005	-158.638687544	25.894	Approximate Tundra Grid Flag Location	09/28/2011 14:39:27	0.00726	0.00963	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1026	56.966113005	-158.638687544	25.894	Approximate Tundra Grid Flag Location	09/28/2011 14:39:27	0.00726	0.00963	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1027	56.966150424	-158.638715061	25.894	Approximate Tundra Grid Flag Location	09/28/2011 14:39:43	0.00696	0.00922	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1027	56.966150424	-158.638715061	25.894	Approximate Tundra Grid Flag Location	09/28/2011 14:39:43	0.00696	0.00922	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1028	56.966188657	-158.638743665	25.943	Approximate Tundra Grid Flag Location	09/28/2011 14:39:56	0.00607	0.00806	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1028	56.966188657	-158.638743665	25.943	Approximate Tundra Grid Flag Location	09/28/2011 14:39:56	0.00607	0.00806	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1029	56.966226970	-158.638769332	25.980	Approximate Tundra Grid Flag Location	09/28/2011 14:40:08	0.01235	0.01640	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1029	56.966226970	-158.638769332	25.980	Approximate Tundra Grid Flag Location	09/28/2011 14:40:08	0.01235	0.01640	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1030	56.966268511	-158.638798761	26.159	Approximate Tundra Grid Flag Location	09/28/2011 14:40:21	0.01064	0.01413	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1030	56.966268511	-158.638798761	26.159	Approximate Tundra Grid Flag Location	09/28/2011 14:40:21	0.01064	0.01413	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1031	56.966310190	-158.638833554	26.550	Approximate Tundra Grid Flag Location	09/28/2011 14:40:35	0.01887	0.02226	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1031	56.966310190	-158.638833554	26.550	Approximate Tundra Grid Flag Location	09/28/2011 14:40:35	0.01887	0.02226	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1032	56.966352464	-158.638858788	26.738	Approximate Tundra Grid Flag Location	09/28/2011 14:40:49	0.00838	0.01111	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1032	56.966352464	-158.638858788	26.738	Approximate Tundra Grid Flag Location	09/28/2011 14:40:49	0.00838	0.01111	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1033	56.966389372	-158.638884277	27.055	Approximate Tundra Grid Flag Location	09/28/2011 14:41:02	0.01127	0.01497	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1033	56.966389372	-158.638884277	27.055	Approximate Tundra Grid Flag Location	09/28/2011 14:41:02	0.01127	0.01497	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1034	56.966426510	-158.638912469	27.102	Approximate Tundra Grid Flag Location	09/28/2011 14:41:13	0.00999	0.01328	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1034	56.966426510	-158.638912469	27.102	Approximate Tundra Grid Flag Location	09/28/2011 14:41:13	0.00999	0.01328	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1035	56.966464524	-158.638941427	27.188	Approximate Tundra Grid Flag Location	09/28/2011 14:41:29	0.00671	0.00851	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1035	56.966464524	-158.638941427	27.188	Approximate Tundra Grid Flag Location	09/28/2011 14:41:29	0.00671	0.00851	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1036	56.966500890	-158.638968193	27.435	Approximate Tundra Grid Flag Location	09/28/2011 14:41:43	0.00507	0.00674	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1036	56.966500890	-158.638968193	27.435	Approximate Tundra Grid Flag Location	09/28/2011 14:41:43	0.00507	0.00674	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1037	56.966540212	-158.638998150	27.639	Approximate Tundra Grid Flag Location	09/28/2011 14:41:56	0.01004	0.01349	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1037	56.966540212	-158.638998150	27.639	Approximate Tundra Grid Flag Location	09/28/2011 14:41:56	0.01004	0.01349	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1038	56.966558322	-158.639016504	27.815	Approximate Tundra Grid Flag Location	09/28/2011 14:42:06	0.00763	0.01018	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1038	56.966558322	-158.639016504	27.815	Approximate Tundra Grid Flag Location	09/28/2011 14:42:06	0.00763	0.01018	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1039	56.966594320	-158.639036956	27.960	Approximate Tundra Grid Flag Location	09/28/2011 14:42:19	0.00588	0.00782	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1039	56.966594320	-158.639036956	27.960	Approximate Tundra Grid Flag Location	09/28/2011 14:42:19	0.00588	0.00782	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1040	56.966772702	-158.639082075	29.443	Approximate Tundra Grid Flag Location	09/28/2011 14:49:28	0.00786	0.01072	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1040	56.966772702	-158.639082075	29.443	Approximate Tundra Grid Flag Location	09/28/2011 14:49:28	0.00786	0.01072	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1041	56.966804489	-158.639101983	29.520	Approximate Tundra Grid Flag Location	09/28/2011 14:49:40	0.00811	0.01080	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1041	56.966804489	-158.639101983	29.520	Approximate Tundra Grid Flag Location	09/28/2011 14:49:40	0.00811	0.01080	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1042	56.966831504	-158.639122651	30.129	Approximate Tundra Grid Flag Location	09/28/2011 14:49:53	0.00573	0.00781	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1042	56.966831504	-158.639122651	30.129	Approximate Tundra Grid Flag Location	09/28/2011 14:49:53	0.00573	0.00781	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1043	56.966869013	-158.639143824	31.105	Approximate Tundra Grid Flag Location	09/28/2011 14:50:08	0.01043	0.01400	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1043	56.966869013	-158.639143824	31.105	Approximate Tundra Grid Flag Location	09/28/2011 14:50:08	0.01043	0.01400	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1044	56.966904479	-158.639170182	31.219	Approximate Tundra Grid Flag Location	09/28/2011 14:50:20	0.00951	0.01278	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1044	56.966904479	-158.639170182	31.219	Approximate Tundra Grid Flag Location	09/28/2011 14:50:20	0.00951	0.01278	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1045	56.966945370	-158.639199152	31.495	Approximate Tundra Grid Flag Location	09/28/2011 14:50:34	0.01512	0.01802	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1045	56.966945370	-158.639199152	31.495	Approximate Tundra Grid Flag Location	09/28/2011 14:50:34	0.01512	0.01802	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG1046	56.966961600	-158.639161802	31.519	Approximate Tundra Grid Flag Location	09/28/2011 14:50:44	0.00990	0.01323	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1046	56.966961600	-158.639161802	31.519	Approximate Tundra Grid Flag Location	09/28/2011 14:50:44	0.00990	0.01323	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1047	56.966992520	-158.639054259	31.430	Approximate Tundra Grid Flag Location	09/28/2011 14:51:02	0.00803	0.01090	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1047	56.966992520	-158.639054259	31.430	Approximate Tundra Grid Flag Location	09/28/2011 14:51:02	0.00803	0.01090	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1048	56.966982336	-158.639220478	31.612	Approximate Tundra Grid Flag Location	09/28/2011 14:51:26	0.00733	0.00994	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1048	56.966982336	-158.639220478	31.612	Approximate Tundra Grid Flag Location	09/28/2011 14:51:26	0.00733	0.00994	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1049	56.967021369	-158.639247477	31.938	Approximate Tundra Grid Flag Location	09/28/2011 14:51:40	0.00626	0.00867	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1049	56.967021369	-158.639247477	31.938	Approximate Tundra Grid Flag Location	09/28/2011 14:51:40	0.00626	0.00867	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1050	56.967058637	-158.639274348	32.130	Approximate Tundra Grid Flag Location	09/28/2011 14:51:52	0.01164	0.01557	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1050	56.967058637	-158.639274348	32.130	Approximate Tundra Grid Flag Location	09/28/2011 14:51:52	0.01164	0.01557	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1051	56.967082592	-158.639285060	32.261	Approximate Tundra Grid Flag Location	09/28/2011 14:52:03	0.00874	0.01177	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1051	56.967082592	-158.639285060	32.261	Approximate Tundra Grid Flag Location	09/28/2011 14:52:03	0.00874	0.01177	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1052	56.967126266	-158.639319411	32.553	Approximate Tundra Grid Flag Location	09/28/2011 14:52:16	0.00931	0.01254	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1052	56.967126266	-158.639319411	32.553	Approximate Tundra Grid Flag Location	09/28/2011 14:52:16	0.00931	0.01254	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1053	56.967162805	-158.639342356	32.680	Approximate Tundra Grid Flag Location	09/28/2011 14:52:29	0.00667	0.00899	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1053	56.967162805	-158.639342356	32.680	Approximate Tundra Grid Flag Location	09/28/2011 14:52:29	0.00667	0.00899	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1054	56.967199669	-158.639366372	32.697	Approximate Tundra Grid Flag Location	09/28/2011 14:52:41	0.01017	0.01371	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1054	56.967199669	-158.639366372	32.697	Approximate Tundra Grid Flag Location	09/28/2011 14:52:41	0.01017	0.01371	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1055	56.967219581	-158.639331005	32.756	Approximate Tundra Grid Flag Location	09/28/2011 14:52:54	0.00704	0.00971	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1055	56.967219581	-158.639331005	32.756	Approximate Tundra Grid Flag Location	09/28/2011 14:52:54	0.00704	0.00971	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1056	56.967256382	-158.639233065	32.442	Approximate Tundra Grid Flag Location	09/28/2011 14:53:15	0.00592	0.00823	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1056	56.967256382	-158.639233065	32.442	Approximate Tundra Grid Flag Location	09/28/2011 14:53:15	0.00592	0.00823	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1057	56.967235720	-158.639386045	32.868	Approximate Tundra Grid Flag Location	09/28/2011 14:53:35	0.00959	0.01325	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1057	56.967235720	-158.639386045	32.868	Approximate Tundra Grid Flag Location	09/28/2011 14:53:35	0.00959	0.01325	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1058	56.967275109	-158.639410312	33.048	Approximate Tundra Grid Flag Location	09/28/2011 14:53:48	0.00967	0.01319	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1058	56.967275109	-158.639410312	33.048	Approximate Tundra Grid Flag Location	09/28/2011 14:53:48	0.00967	0.01319	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1059	56.967311975	-158.639427927	33.178	Approximate Tundra Grid Flag Location	09/28/2011 14:53:59	0.00679	0.00928	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1059	56.967311975	-158.639427927	33.178	Approximate Tundra Grid Flag Location	09/28/2011 14:53:59	0.00679	0.00928	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1060	56.967337788	-158.639443669	33.119	Approximate Tundra Grid Flag Location	09/28/2011 14:54:09	0.00615	0.00854	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1060	56.967337788	-158.639443669	33.119	Approximate Tundra Grid Flag Location	09/28/2011 14:54:09	0.00615	0.00854	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1061	56.967372789	-158.639468041	32.997	Approximate Tundra Grid Flag Location	09/28/2011 14:54:20	0.00550	0.00765	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1061	56.967372789	-158.639468041	32.997	Approximate Tundra Grid Flag Location	09/28/2011 14:54:20	0.00550	0.00765	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1062	56.967413817	-158.639489044	32.970	Approximate Tundra Grid Flag Location	09/28/2011 14:54:33	0.00702	0.00978	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1062	56.967413817	-158.639489044	32.970	Approximate Tundra Grid Flag Location	09/28/2011 14:54:33	0.00702	0.00978	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1063	56.967452076	-158.639519062	32.745	Approximate Tundra Grid Flag Location	09/28/2011 14:54:45	0.00672	0.00931	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1063	56.967452076	-158.639519062	32.745	Approximate Tundra Grid Flag Location	09/28/2011 14:54:45	0.00672	0.00931	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1064	56.967483666	-158.639483015	32.951	Approximate Tundra Grid Flag Location	09/28/2011 14:54:59	0.00910	0.01278	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1064	56.967483666	-158.639483015	32.951	Approximate Tundra Grid Flag Location	09/28/2011 14:54:59	0.00910	0.01278	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1065	56.967504087	-158.639369957	32.463	Approximate Tundra Grid Flag Location	09/28/2011 14:55:19	0.00866	0.01201	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1065	56.967504087	-158.639369957	32.463	Approximate Tundra Grid Flag Location	09/28/2011 14:55:19	0.00866	0.01201	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1066	56.967489020	-158.639539391	32.739	Approximate Tundra Grid Flag Location	09/28/2011 14:55:41	0.00584	0.00819	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1066	56.967489020	-158.639539391	32.739	Approximate Tundra Grid Flag Location	09/28/2011 14:55:41	0.00584	0.00819	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1067	56.967525300	-158.639558611	32.614	Approximate Tundra Grid Flag Location	09/28/2011 14:55:55	0.00574	0.00791	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1067	56.967525300	-158.639558611	32.614	Approximate Tundra Grid Flag Location	09/28/2011 14:55:55	0.00574	0.00791	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1068	56.967560523	-158.639578244	32.488	Approximate Tundra Grid Flag Location	09/28/2011 14:56:08	0.00742	0.01015	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1068	56.967560523	-158.639578244	32.488	Approximate Tundra Grid Flag Location	09/28/2011 14:56:08	0.00742	0.01015	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1069	56.967590731	-158.639587735	32.349	Approximate Tundra Grid Flag Location	09/28/2011 14:56:21	0.00937	0.01296	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1069	56.967590731	-158.639587735	32.349	Approximate Tundra Grid Flag Location	09/28/2011 14:56:21	0.00937	0.01296	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1070	56.967635686	-158.639605996	31.957	Approximate Tundra Grid Flag Location	09/28/2011 14:56:37	0.00603	0.00835	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1070	56.967635686	-158.639605996	31.957	Approximate Tundra Grid Flag Location	09/28/2011 14:56:37	0.00603	0.00835	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1071	56.967675481	-158.639623989	31.750	Approximate Tundra Grid Flag Location	09/28/2011 14:56:53	0.00669	0.00933	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1071	56.967675481	-158.639623989	31.750	Approximate Tundra Grid Flag Location	09/28/2011 14:56:53	0.00669	0.00933	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1072	56.967709502	-158.639636928	31.534	Approximate Tundra Grid Flag Location	09/28/2011 14:57:07	0.00883	0.01238	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1072	56.967709502	-158.639636928	31.534	Approximate Tundra Grid Flag Location	09/28/2011 14:57:07	0.00883	0.01238	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1073	56.967721806	-158.639584852	31.312	Approximate Tundra Grid Flag Location	09/28/2011 14:57:20	0.00837	0.01183	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1073	56.967721806	-158.639584852	31.312	Approximate Tundra Grid Flag Location	09/28/2011 14:57:20	0.00837	0.01183	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1074	56.967743668	-158.639505275	31.215	Approximate Tundra Grid Flag Location	09/28/2011 14:57:39	0.00808	0.01154	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG1074	56.967743668	-158.639505275	31.315	Approximate Tundra Grid Flag Location	09/28/2011 14:57:39	0.00808	0.01154	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1075	56.967827579	-158.639664431	31.019	Approximate Tundra Grid Flag Location	09/28/2011 14:58:15	0.00934	0.01282	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1075	56.967827579	-158.639664431	31.019	Approximate Tundra Grid Flag Location	09/28/2011 14:58:15	0.00934	0.01282	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1076	56.967859132	-158.639676938	30.968	Approximate Tundra Grid Flag Location	09/28/2011 14:58:30	0.00658	0.00909	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1076	56.967859132	-158.639676938	30.968	Approximate Tundra Grid Flag Location	09/28/2011 14:58:30	0.00658	0.00909	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1077	56.967885001	-158.639680920	30.958	Approximate Tundra Grid Flag Location	09/28/2011 14:58:44	0.00677	0.00964	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1077	56.967885001	-158.639680920	30.958	Approximate Tundra Grid Flag Location	09/28/2011 14:58:44	0.00677	0.00964	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1078	56.967919915	-158.639686558	30.862	Approximate Tundra Grid Flag Location	09/28/2011 14:59:00	0.00690	0.00979	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1078	56.967919915	-158.639686558	30.862	Approximate Tundra Grid Flag Location	09/28/2011 14:59:00	0.00690	0.00979	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1079	56.967958640	-158.639690563	30.767	Approximate Tundra Grid Flag Location	09/28/2011 14:59:19	0.00700	0.01017	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1079	56.967958640	-158.639690563	30.767	Approximate Tundra Grid Flag Location	09/28/2011 14:59:19	0.00700	0.01017	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1080	56.967962147	-158.639617399	30.498	Approximate Tundra Grid Flag Location	09/28/2011 14:59:36	0.00634	0.00910	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1080	56.967962147	-158.639617399	30.498	Approximate Tundra Grid Flag Location	09/28/2011 14:59:36	0.00634	0.00910	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1081	56.967988340	-158.639641808	30.460	Approximate Tundra Grid Flag Location	09/28/2011 14:59:56	0.00789	0.01119	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1081	56.967988340	-158.639641808	30.460	Approximate Tundra Grid Flag Location	09/28/2011 14:59:56	0.00789	0.01119	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1082	56.967999966	-158.639622530	30.486	Approximate Tundra Grid Flag Location	09/28/2011 15:00:05	0.00656	0.00944	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1082	56.967999966	-158.639622530	30.486	Approximate Tundra Grid Flag Location	09/28/2011 15:00:05	0.00656	0.00944	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1083	56.967998491	-158.639696679	30.590	Approximate Tundra Grid Flag Location	09/28/2011 15:00:20	0.00646	0.00930	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1083	56.967998491	-158.639696679	30.590	Approximate Tundra Grid Flag Location	09/28/2011 15:00:20	0.00646	0.00930	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1084	56.968040572	-158.639701803	30.364	Approximate Tundra Grid Flag Location	09/28/2011 15:00:33	0.00700	0.00987	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1084	56.968040572	-158.639701803	30.364	Approximate Tundra Grid Flag Location	09/28/2011 15:00:33	0.00700	0.00987	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1085	56.968078101	-158.639707710	30.320	Approximate Tundra Grid Flag Location	09/28/2011 15:00:48	0.00857	0.01228	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1085	56.968078101	-158.639707710	30.320	Approximate Tundra Grid Flag Location	09/28/2011 15:00:48	0.00857	0.01228	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1086	56.968118515	-158.639715722	30.298	Approximate Tundra Grid Flag Location	09/28/2011 15:01:02	0.00530	0.00764	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1086	56.968118515	-158.639715722	30.298	Approximate Tundra Grid Flag Location	09/28/2011 15:01:02	0.00530	0.00764	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1087	56.968146208	-158.639718294	30.338	Approximate Tundra Grid Flag Location	09/28/2011 15:01:11	0.00597	0.00864	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1087	56.968146208	-158.639718294	30.338	Approximate Tundra Grid Flag Location	09/28/2011 15:01:11	0.00597	0.00864	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1088	56.968189076	-158.639728584	30.466	Approximate Tundra Grid Flag Location	09/28/2011 15:01:32	0.00896	0.01285	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1088	56.968189076	-158.639728584	30.466	Approximate Tundra Grid Flag Location	09/28/2011 15:01:32	0.00896	0.01285	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1089	56.968228846	-158.639733586	30.421	Approximate Tundra Grid Flag Location	09/28/2011 15:01:46	0.00759	0.01110	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1089	56.968228846	-158.639733586	30.421	Approximate Tundra Grid Flag Location	09/28/2011 15:01:46	0.00759	0.01110	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1090	56.968273355	-158.639740615	30.295	Approximate Tundra Grid Flag Location	09/28/2011 15:01:59	0.00611	0.00887	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1090	56.968273355	-158.639740615	30.295	Approximate Tundra Grid Flag Location	09/28/2011 15:01:59	0.00611	0.00887	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1091	56.968309766	-158.639742543	30.345	Approximate Tundra Grid Flag Location	09/28/2011 15:02:14	0.00696	0.01028	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1091	56.968309766	-158.639742543	30.345	Approximate Tundra Grid Flag Location	09/28/2011 15:02:14	0.00696	0.01028	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1092	56.968349212	-158.639748148	30.126	Approximate Tundra Grid Flag Location	09/28/2011 15:02:28	0.00786	0.01172	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1092	56.968349212	-158.639748148	30.126	Approximate Tundra Grid Flag Location	09/28/2011 15:02:28	0.00786	0.01172	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1093	56.968389034	-158.639750448	30.135	Approximate Tundra Grid Flag Location	09/28/2011 15:02:43	0.00655	0.00954	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1093	56.968389034	-158.639750448	30.135	Approximate Tundra Grid Flag Location	09/28/2011 15:02:43	0.00655	0.00954	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1094	56.968387640	-158.639824392	29.850	Approximate Tundra Grid Flag Location	09/28/2011 15:02:59	0.00817	0.01187	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1094	56.968387640	-158.639824392	29.850	Approximate Tundra Grid Flag Location	09/28/2011 15:02:59	0.00817	0.01187	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1095	56.968347375	-158.639821349	30.060	Approximate Tundra Grid Flag Location	09/28/2011 15:03:11	0.01162	0.01677	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1095	56.968347375	-158.639821349	30.060	Approximate Tundra Grid Flag Location	09/28/2011 15:03:11	0.01162	0.01677	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1096	56.968306872	-158.639818880	30.318	Approximate Tundra Grid Flag Location	09/28/2011 15:03:23	0.00643	0.00953	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1096	56.968306872	-158.639818880	30.318	Approximate Tundra Grid Flag Location	09/28/2011 15:03:23	0.00643	0.00953	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1097	56.968268653	-158.639814660	30.317	Approximate Tundra Grid Flag Location	09/28/2011 15:03:37	0.00656	0.00974	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1097	56.968268653	-158.639814660	30.317	Approximate Tundra Grid Flag Location	09/28/2011 15:03:37	0.00656	0.00974	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1098	56.968226404	-158.639807656	30.369	Approximate Tundra Grid Flag Location	09/28/2011 15:03:50	0.00750	0.01132	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1098	56.968226404	-158.639807656	30.369	Approximate Tundra Grid Flag Location	09/28/2011 15:03:50	0.00750	0.01132	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1099	56.968183774	-158.639800280	30.413	Approximate Tundra Grid Flag Location	09/28/2011 15:04:04	0.00731	0.01102	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1099	56.968183774	-158.639800280	30.413	Approximate Tundra Grid Flag Location	09/28/2011 15:04:04	0.00731	0.01102	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1100	56.968144185	-158.639794994	30.338	Approximate Tundra Grid Flag Location	09/28/2011 15:04:16	0.00650	0.00982	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1100	56.968144185	-158.639794994	30.338	Approximate Tundra Grid Flag Location	09/28/2011 15:04:16	0.00650	0.00982	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1101	56.968144209	-158.639795162	30.336	Approximate Tundra Grid Flag Location	09/28/2011 15:04:19	0.00628	0.00948	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1101	56.968144209	-158.639795162	30.336	Approximate Tundra Grid Flag Location	09/28/2011 15:04:19	0.00628	0.00948	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1102	56.968116856	-158.639786533	30.373	Approximate Tundra Grid Flag Location	09/28/2011 15:04:31	0.00703	0.01063	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1102	56.968116856	-158.639786533	30.373	Approximate Tundra Grid Flag Location	09/28/2011 15:04:31	0.00703	0.01063	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG1103	56.968074838	-158.639782622	30.235	Approximate Tundra Grid Flag Location	09/28/2011 15:04:45	0.00644	0.00975	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1103	56.968074838	-158.639782622	30.235	Approximate Tundra Grid Flag Location	09/28/2011 15:04:45	0.00644	0.00975	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1104	56.968035360	-158.639775360	30.315	Approximate Tundra Grid Flag Location	09/28/2011 15:04:58	0.00608	0.00922	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1104	56.968035360	-158.639775360	30.315	Approximate Tundra Grid Flag Location	09/28/2011 15:04:58	0.00608	0.00922	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1105	56.967994563	-158.639769373	30.482	Approximate Tundra Grid Flag Location	09/28/2011 15:05:10	0.00672	0.01023	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1105	56.967994563	-158.639769373	30.482	Approximate Tundra Grid Flag Location	09/28/2011 15:05:10	0.00672	0.01023	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1106	56.967954726	-158.639763306	30.566	Approximate Tundra Grid Flag Location	09/28/2011 15:05:24	0.00620	0.00947	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1106	56.967954726	-158.639763306	30.566	Approximate Tundra Grid Flag Location	09/28/2011 15:05:24	0.00620	0.00947	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1107	56.967914481	-158.639760492	30.710	Approximate Tundra Grid Flag Location	09/28/2011 15:05:38	0.00586	0.00897	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1107	56.967914481	-158.639760492	30.710	Approximate Tundra Grid Flag Location	09/28/2011 15:05:38	0.00586	0.00897	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1108	56.967876352	-158.639753298	30.858	Approximate Tundra Grid Flag Location	09/28/2011 15:05:55	0.00867	0.01328	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1108	56.967876352	-158.639753298	30.858	Approximate Tundra Grid Flag Location	09/28/2011 15:05:55	0.00867	0.01328	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1109	56.967850991	-158.639751580	30.973	Approximate Tundra Grid Flag Location	09/28/2011 15:06:08	0.00705	0.01082	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1109	56.967850991	-158.639751580	30.973	Approximate Tundra Grid Flag Location	09/28/2011 15:06:08	0.00705	0.01082	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1110	56.967821670	-158.639739627	31.105	Approximate Tundra Grid Flag Location	09/28/2011 15:06:23	0.00934	0.01430	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1110	56.967821670	-158.639739627	31.105	Approximate Tundra Grid Flag Location	09/28/2011 15:06:23	0.00934	0.01430	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1111	56.967782252	-158.639719901	31.248	Approximate Tundra Grid Flag Location	09/28/2011 15:06:39	0.00895	0.01375	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1111	56.967782252	-158.639719901	31.248	Approximate Tundra Grid Flag Location	09/28/2011 15:06:39	0.00895	0.01375	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1112	56.967732988	-158.639718611	31.530	Approximate Tundra Grid Flag Location	09/28/2011 15:06:57	0.00632	0.00975	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1112	56.967732988	-158.639718611	31.530	Approximate Tundra Grid Flag Location	09/28/2011 15:06:57	0.00632	0.00975	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1113	56.967697838	-158.639706831	31.749	Approximate Tundra Grid Flag Location	09/28/2011 15:07:17	0.00755	0.01169	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1113	56.967697838	-158.639706831	31.749	Approximate Tundra Grid Flag Location	09/28/2011 15:07:17	0.00755	0.01169	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1114	56.967660165	-158.639695161	31.991	Approximate Tundra Grid Flag Location	09/28/2011 15:07:30	0.00953	0.01477	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1114	56.967660165	-158.639695161	31.991	Approximate Tundra Grid Flag Location	09/28/2011 15:07:30	0.00953	0.01477	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1115	56.967622882	-158.639678554	32.184	Approximate Tundra Grid Flag Location	09/28/2011 15:07:46	0.00630	0.00981	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1115	56.967622882	-158.639678554	32.184	Approximate Tundra Grid Flag Location	09/28/2011 15:07:46	0.00630	0.00981	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1116	56.967583699	-158.639663129	32.310	Approximate Tundra Grid Flag Location	09/28/2011 15:08:00	0.00896	0.01397	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1116	56.967583699	-158.639663129	32.310	Approximate Tundra Grid Flag Location	09/28/2011 15:08:00	0.00896	0.01397	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1117	56.967553536	-158.639653287	32.389	Approximate Tundra Grid Flag Location	09/28/2011 15:08:12	0.00765	0.01197	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1117	56.967553536	-158.639653287	32.389	Approximate Tundra Grid Flag Location	09/28/2011 15:08:12	0.00765	0.01197	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1118	56.967519473	-158.639640543	32.523	Approximate Tundra Grid Flag Location	09/28/2011 15:08:24	0.00779	0.01218	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1118	56.967519473	-158.639640543	32.523	Approximate Tundra Grid Flag Location	09/28/2011 15:08:24	0.00779	0.01218	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1119	56.967476523	-158.639613096	32.562	Approximate Tundra Grid Flag Location	09/28/2011 15:08:45	0.00687	0.01025	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1119	56.967476523	-158.639613096	32.562	Approximate Tundra Grid Flag Location	09/28/2011 15:08:45	0.00687	0.01025	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1120	56.967436758	-158.639589690	32.626	Approximate Tundra Grid Flag Location	09/28/2011 15:09:03	0.00888	0.01375	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1120	56.967436758	-158.639589690	32.626	Approximate Tundra Grid Flag Location	09/28/2011 15:09:03	0.00888	0.01375	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1121	56.967399647	-158.639562071	32.694	Approximate Tundra Grid Flag Location	09/28/2011 15:09:18	0.00577	0.00907	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1121	56.967399647	-158.639562071	32.694	Approximate Tundra Grid Flag Location	09/28/2011 15:09:18	0.00577	0.00907	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1122	56.967359475	-158.639539424	32.771	Approximate Tundra Grid Flag Location	09/28/2011 15:09:35	0.00529	0.00832	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1122	56.967359475	-158.639539424	32.771	Approximate Tundra Grid Flag Location	09/28/2011 15:09:35	0.00529	0.00832	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1123	56.967322181	-158.639516916	32.864	Approximate Tundra Grid Flag Location	09/28/2011 15:10:10	0.00686	0.01084	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1123	56.967322181	-158.639516916	32.864	Approximate Tundra Grid Flag Location	09/28/2011 15:10:10	0.00686	0.01084	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1124	56.967298772	-158.639502842	32.756	Approximate Tundra Grid Flag Location	09/28/2011 15:10:21	0.00679	0.01075	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1124	56.967298772	-158.639502842	32.756	Approximate Tundra Grid Flag Location	09/28/2011 15:10:21	0.00679	0.01075	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1125	56.967260434	-158.639482771	32.759	Approximate Tundra Grid Flag Location	09/28/2011 15:10:35	0.00467	0.00740	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1125	56.967260434	-158.639482771	32.759	Approximate Tundra Grid Flag Location	09/28/2011 15:10:35	0.00467	0.00740	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1126	56.967222264	-158.639460114	32.608	Approximate Tundra Grid Flag Location	09/28/2011 15:10:50	0.00597	0.00949	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1126	56.967222264	-158.639460114	32.608	Approximate Tundra Grid Flag Location	09/28/2011 15:10:50	0.00597	0.00949	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1127	56.967183095	-158.639436011	32.481	Approximate Tundra Grid Flag Location	09/28/2011 15:11:04	0.00883	0.01405	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1127	56.967183095	-158.639436011	32.481	Approximate Tundra Grid Flag Location	09/28/2011 15:11:04	0.00883	0.01405	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1128	56.967145385	-158.639411335	32.346	Approximate Tundra Grid Flag Location	09/28/2011 15:11:17	0.00863	0.01412	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1128	56.967145385	-158.639411335	32.346	Approximate Tundra Grid Flag Location	09/28/2011 15:11:17	0.00863	0.01412	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1129	56.967106566	-158.639383759	32.226	Approximate Tundra Grid Flag Location	09/28/2011 15:11:30	0.00596	0.00951	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1129	56.967106566	-158.639383759	32.226	Approximate Tundra Grid Flag Location	09/28/2011 15:11:30	0.00596	0.00951	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1130	56.967069384	-158.639354435	32.079	Approximate Tundra Grid Flag Location	09/28/2011 15:11:44	0.00617	0.01016	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1130	56.967069384	-158.639354435	32.079	Approximate Tundra Grid Flag Location	09/28/2011 15:11:44	0.00617	0.01016	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1131	56.967041248	-158.639340401	32.039	Approximate Tundra Grid Flag Location	09/28/2011 15:11:56	0.00506	0.00810	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG1131	56.967041248	-158.639340401	32.039	Approximate Tundra Grid Flag Location	09/28/2011 15:11:56	0.00506	0.00810	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1132	56.967005930	-158.639316732	31.898	Approximate Tundra Grid Flag Location	09/28/2011 15:12:10	0.00531	0.00852	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1132	56.967005930	-158.639316732	31.898	Approximate Tundra Grid Flag Location	09/28/2011 15:12:10	0.00531	0.00852	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1133	56.966966982	-158.639292073	31.660	Approximate Tundra Grid Flag Location	09/28/2011 15:12:24	0.00570	0.00916	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1133	56.966966982	-158.639292073	31.660	Approximate Tundra Grid Flag Location	09/28/2011 15:12:24	0.00570	0.00916	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1134	56.966928615	-158.639267051	31.468	Approximate Tundra Grid Flag Location	09/28/2011 15:12:37	0.00818	0.01316	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1134	56.966928615	-158.639267051	31.468	Approximate Tundra Grid Flag Location	09/28/2011 15:12:37	0.00818	0.01316	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1135	56.966891746	-158.639240935	31.138	Approximate Tundra Grid Flag Location	09/28/2011 15:12:51	0.00642	0.01045	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1135	56.966891746	-158.639240935	31.138	Approximate Tundra Grid Flag Location	09/28/2011 15:12:51	0.00642	0.01045	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1136	56.966853218	-158.639214401	30.652	Approximate Tundra Grid Flag Location	09/28/2011 15:13:04	0.00866	0.01413	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1136	56.966853218	-158.639214401	30.652	Approximate Tundra Grid Flag Location	09/28/2011 15:13:04	0.00866	0.01413	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1137	56.966813163	-158.639190472	30.142	Approximate Tundra Grid Flag Location	09/28/2011 15:13:17	0.00889	0.01470	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1137	56.966813163	-158.639190472	30.142	Approximate Tundra Grid Flag Location	09/28/2011 15:13:17	0.00889	0.01470	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1138	56.966772788	-158.639168888	29.715	Approximate Tundra Grid Flag Location	09/28/2011 15:13:29	0.00759	0.01230	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1138	56.966772788	-158.639168888	29.715	Approximate Tundra Grid Flag Location	09/28/2011 15:13:29	0.00759	0.01230	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1139	56.976589134	-158.653758464	32.510	Approximate Tundra Grid Flag Location	09/28/2011 15:23:10	0.01015	0.01845	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1139	56.976589134	-158.653758464	32.510	Approximate Tundra Grid Flag Location	09/28/2011 15:23:10	0.01015	0.01845	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1140	56.976565432	-158.653667759	32.077	Approximate Tundra Grid Flag Location	09/28/2011 15:23:32	0.00641	0.01074	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1140	56.976565432	-158.653667759	32.077	Approximate Tundra Grid Flag Location	09/28/2011 15:23:32	0.00641	0.01074	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1141	56.976551479	-158.653602657	31.857	Approximate Tundra Grid Flag Location	09/28/2011 15:24:01	0.00718	0.01204	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1141	56.976551479	-158.653602657	31.857	Approximate Tundra Grid Flag Location	09/28/2011 15:24:01	0.00718	0.01204	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1142	56.976537709	-158.653536136	31.696	Approximate Tundra Grid Flag Location	09/28/2011 15:24:21	0.00631	0.01081	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1142	56.976537709	-158.653536136	31.696	Approximate Tundra Grid Flag Location	09/28/2011 15:24:21	0.00631	0.01081	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1143	56.976575079	-158.653516931	31.465	Approximate Tundra Grid Flag Location	09/28/2011 15:24:35	0.00545	0.00932	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1143	56.976575079	-158.653516931	31.465	Approximate Tundra Grid Flag Location	09/28/2011 15:24:35	0.00545	0.00932	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1144	56.976546387	-158.653469656	31.516	Approximate Tundra Grid Flag Location	09/28/2011 15:24:50	0.00845	0.01447	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1144	56.976546387	-158.653469656	31.516	Approximate Tundra Grid Flag Location	09/28/2011 15:24:50	0.00845	0.01447	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1145	56.976558387	-158.653443173	31.414	Approximate Tundra Grid Flag Location	09/28/2011 15:24:59	0.01110	0.01904	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1145	56.976558387	-158.653443173	31.414	Approximate Tundra Grid Flag Location	09/28/2011 15:24:59	0.01110	0.01904	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1146	56.976605327	-158.653446172	30.715	Approximate Tundra Grid Flag Location	09/28/2011 15:25:21	0.00644	0.01111	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1146	56.976605327	-158.653446172	30.715	Approximate Tundra Grid Flag Location	09/28/2011 15:25:21	0.00644	0.01111	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1147	56.976613338	-158.653497849	30.722	Approximate Tundra Grid Flag Location	09/28/2011 15:25:34	0.00569	0.00979	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1147	56.976613338	-158.653497849	30.722	Approximate Tundra Grid Flag Location	09/28/2011 15:25:34	0.00569	0.00979	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1148	56.976652336	-158.653483249	30.317	Approximate Tundra Grid Flag Location	09/28/2011 15:25:50	0.00600	0.01034	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1148	56.976652336	-158.653483249	30.317	Approximate Tundra Grid Flag Location	09/28/2011 15:25:50	0.00600	0.01034	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1149	56.976637291	-158.653408677	31.064	Approximate Tundra Grid Flag Location	09/28/2011 15:26:19	0.00536	0.00871	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1149	56.976637291	-158.653408677	31.064	Approximate Tundra Grid Flag Location	09/28/2011 15:26:19	0.00536	0.00871	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1150	56.976598388	-158.653426382	30.826	Approximate Tundra Grid Flag Location	09/28/2011 15:26:32	0.00726	0.01273	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1150	56.976598388	-158.653426382	30.826	Approximate Tundra Grid Flag Location	09/28/2011 15:26:32	0.00726	0.01273	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1151	56.976520139	-158.653469261	31.652	Approximate Tundra Grid Flag Location	09/28/2011 15:27:10	0.00572	0.01012	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1151	56.976520139	-158.653469261	31.652	Approximate Tundra Grid Flag Location	09/28/2011 15:27:10	0.00572	0.01012	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1152	56.976505952	-158.653401252	31.644	Approximate Tundra Grid Flag Location	09/28/2011 15:27:39	0.00643	0.01130	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1152	56.976505952	-158.653401252	31.644	Approximate Tundra Grid Flag Location	09/28/2011 15:27:39	0.00643	0.01130	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1153	56.976489509	-158.653332224	31.485	Approximate Tundra Grid Flag Location	09/28/2011 15:28:00	0.00645	0.01186	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1153	56.976489509	-158.653332224	31.485	Approximate Tundra Grid Flag Location	09/28/2011 15:28:00	0.00645	0.01186	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1154	56.976460614	-158.653212333	31.191	Approximate Tundra Grid Flag Location	09/28/2011 15:28:39	0.00674	0.01192	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1154	56.976460614	-158.653212333	31.191	Approximate Tundra Grid Flag Location	09/28/2011 15:28:39	0.00674	0.01192	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1155	56.976448631	-158.653150670	31.047	Approximate Tundra Grid Flag Location	09/28/2011 15:28:53	0.00691	0.01213	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1155	56.976448631	-158.653150670	31.047	Approximate Tundra Grid Flag Location	09/28/2011 15:28:53	0.00691	0.01213	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1156	56.976433085	-158.653084272	30.853	Approximate Tundra Grid Flag Location	09/28/2011 15:29:07	0.00658	0.01153	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1156	56.976433085	-158.653084272	30.853	Approximate Tundra Grid Flag Location	09/28/2011 15:29:07	0.00658	0.01153	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1157	56.976471730	-158.653060289	30.857	Approximate Tundra Grid Flag Location	09/28/2011 15:29:27	0.00612	0.01080	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1157	56.976471730	-158.653060289	30.857	Approximate Tundra Grid Flag Location	09/28/2011 15:29:27	0.00612	0.01080	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1158	56.976452805	-158.652978970	30.748	Approximate Tundra Grid Flag Location	09/28/2011 15:29:43	0.00576	0.01025	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1158	56.976452805	-158.652978970	30.748	Approximate Tundra Grid Flag Location	09/28/2011 15:29:43	0.00576	0.01025	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1159	56.976439713	-158.652981094	30.678	Approximate Tundra Grid Flag Location	09/28/2011 15:29:52	0.00709	0.01263	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1159	56.976439713	-158.652981094	30.678	Approximate Tundra Grid Flag Location	09/28/2011 15:29:52	0.00709	0.01263	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG1160	56.976416760	-158.653008875	30.649	Approximate Tundra Grid Flag Location	09/28/2011 15:30:04	0.00753	0.01343	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1160	56.976416760	-158.653008875	30.649	Approximate Tundra Grid Flag Location	09/28/2011 15:30:04	0.00753	0.01343	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1161	56.976490373	-158.652949651	30.397	Approximate Tundra Grid Flag Location	09/28/2011 15:30:26	0.00560	0.00910	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1161	56.976490373	-158.652949651	30.397	Approximate Tundra Grid Flag Location	09/28/2011 15:30:26	0.00560	0.00910	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1162	56.976509754	-158.653042410	30.659	Approximate Tundra Grid Flag Location	09/28/2011 15:30:52	0.01230	0.01792	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1162	56.976509754	-158.653042410	30.659	Approximate Tundra Grid Flag Location	09/28/2011 15:30:52	0.01230	0.01792	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1163	56.976547992	-158.653022085	30.400	Approximate Tundra Grid Flag Location	09/28/2011 15:31:16	0.00719	0.01246	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1163	56.976547992	-158.653022085	30.400	Approximate Tundra Grid Flag Location	09/28/2011 15:31:16	0.00719	0.01246	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1164	56.976528925	-158.652916297	30.020	Approximate Tundra Grid Flag Location	09/28/2011 15:31:36	0.00702	0.01179	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1164	56.976528925	-158.652916297	30.020	Approximate Tundra Grid Flag Location	09/28/2011 15:31:36	0.00702	0.01179	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1165	56.976504428	-158.652927216	30.245	Approximate Tundra Grid Flag Location	09/28/2011 15:31:49	0.01313	0.02414	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1165	56.976504428	-158.652927216	30.245	Approximate Tundra Grid Flag Location	09/28/2011 15:31:49	0.01313	0.02414	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1166	56.976383933	-158.652881587	30.417	Approximate Tundra Grid Flag Location	09/28/2011 15:32:16	0.00687	0.01231	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1166	56.976383933	-158.652881587	30.417	Approximate Tundra Grid Flag Location	09/28/2011 15:32:16	0.00687	0.01231	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1167	56.976375282	-158.652837562	30.295	Approximate Tundra Grid Flag Location	09/28/2011 15:32:26	0.00640	0.01196	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1167	56.976375282	-158.652837562	30.295	Approximate Tundra Grid Flag Location	09/28/2011 15:32:26	0.00640	0.01196	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1168	56.976358494	-158.652767928	30.213	Approximate Tundra Grid Flag Location	09/28/2011 15:32:42	0.00609	0.01138	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1168	56.976358494	-158.652767928	30.213	Approximate Tundra Grid Flag Location	09/28/2011 15:32:42	0.00609	0.01138	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1169	56.976342505	-158.652700002	30.192	Approximate Tundra Grid Flag Location	09/28/2011 15:32:54	0.00890	0.01598	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1169	56.976342505	-158.652700002	30.192	Approximate Tundra Grid Flag Location	09/28/2011 15:32:54	0.00890	0.01598	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1170	56.976328986	-158.652642476	30.061	Approximate Tundra Grid Flag Location	09/28/2011 15:33:07	0.00975	0.01762	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1170	56.976328986	-158.652642476	30.061	Approximate Tundra Grid Flag Location	09/28/2011 15:33:07	0.00975	0.01762	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1171	56.976310427	-158.652561168	30.115	Approximate Tundra Grid Flag Location	09/28/2011 15:33:22	0.00641	0.01175	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1171	56.976310427	-158.652561168	30.115	Approximate Tundra Grid Flag Location	09/28/2011 15:33:22	0.00641	0.01175	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1172	56.976336505	-158.652549504	30.200	Approximate Tundra Grid Flag Location	09/28/2011 15:33:35	0.00561	0.01012	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1172	56.976336505	-158.652549504	30.200	Approximate Tundra Grid Flag Location	09/28/2011 15:33:35	0.00561	0.01012	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1173	56.976347008	-158.652535325	30.209	Approximate Tundra Grid Flag Location	09/28/2011 15:33:47	0.00598	0.01067	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1173	56.976347008	-158.652535325	30.209	Approximate Tundra Grid Flag Location	09/28/2011 15:33:47	0.00598	0.01067	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1174	56.976384445	-158.652504831	30.173	Approximate Tundra Grid Flag Location	09/28/2011 15:34:01	0.00646	0.01126	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1174	56.976384445	-158.652504831	30.173	Approximate Tundra Grid Flag Location	09/28/2011 15:34:01	0.00646	0.01126	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1175	56.976394749	-158.652485994	29.986	Approximate Tundra Grid Flag Location	09/28/2011 15:34:20	0.00885	0.01588	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1175	56.976394749	-158.652485994	29.986	Approximate Tundra Grid Flag Location	09/28/2011 15:34:20	0.00885	0.01588	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1176	56.976421134	-158.652474823	29.756	Approximate Tundra Grid Flag Location	09/28/2011 15:34:31	0.00766	0.01375	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1176	56.976421134	-158.652474823	29.756	Approximate Tundra Grid Flag Location	09/28/2011 15:34:31	0.00766	0.01375	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1177	56.976405915	-158.652408896	29.475	Approximate Tundra Grid Flag Location	09/28/2011 15:34:44	0.00593	0.01083	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1177	56.976405915	-158.652408896	29.475	Approximate Tundra Grid Flag Location	09/28/2011 15:34:44	0.00593	0.01083	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1178	56.976368468	-158.652437214	29.851	Approximate Tundra Grid Flag Location	09/28/2011 15:34:58	0.00846	0.01539	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1178	56.976368468	-158.652437214	29.851	Approximate Tundra Grid Flag Location	09/28/2011 15:34:58	0.00846	0.01539	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1179	56.976329602	-158.652463283	29.798	Approximate Tundra Grid Flag Location	09/28/2011 15:35:12	0.00692	0.01242	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1179	56.976329602	-158.652463283	29.798	Approximate Tundra Grid Flag Location	09/28/2011 15:35:12	0.00692	0.01242	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1180	56.976293704	-158.652487097	29.591	Approximate Tundra Grid Flag Location	09/28/2011 15:35:32	0.00640	0.01166	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1180	56.976293704	-158.652487097	29.591	Approximate Tundra Grid Flag Location	09/28/2011 15:35:32	0.00640	0.01166	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1181	56.976275024	-158.652412486	29.398	Approximate Tundra Grid Flag Location	09/28/2011 15:35:45	0.00648	0.01173	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1181	56.976275024	-158.652412486	29.398	Approximate Tundra Grid Flag Location	09/28/2011 15:35:45	0.00648	0.01173	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1182	56.976258419	-158.652348358	29.285	Approximate Tundra Grid Flag Location	09/28/2011 15:35:59	0.00941	0.01710	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1182	56.976258419	-158.652348358	29.285	Approximate Tundra Grid Flag Location	09/28/2011 15:35:59	0.00941	0.01710	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1183	56.976247710	-158.652294813	29.635	Approximate Tundra Grid Flag Location	09/28/2011 15:36:12	0.00535	0.00963	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1183	56.976247710	-158.652294813	29.635	Approximate Tundra Grid Flag Location	09/28/2011 15:36:12	0.00535	0.00963	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1184	56.976232929	-158.652101305	29.049	Approximate Tundra Grid Flag Location	09/28/2011 15:36:39	0.00599	0.01083	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1184	56.976232929	-158.652101305	29.049	Approximate Tundra Grid Flag Location	09/28/2011 15:36:39	0.00599	0.01083	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1185	56.976286692	-158.652076006	28.549	Approximate Tundra Grid Flag Location	09/28/2011 15:36:53	0.00574	0.01039	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1185	56.976286692	-158.652076006	28.549	Approximate Tundra Grid Flag Location	09/28/2011 15:36:53	0.00574	0.01039	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1186	56.976206081	-158.652101489	29.225	Approximate Tundra Grid Flag Location	09/28/2011 15:37:30	0.00571	0.01008	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1186	56.976206081	-158.652101489	29.225	Approximate Tundra Grid Flag Location	09/28/2011 15:37:30	0.00571	0.01008	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1187	56.976188925	-158.652025517	28.907	Approximate Tundra Grid Flag Location	09/28/2011 15:37:52	0.00832	0.01563	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1187	56.976188925	-158.652025517	28.907	Approximate Tundra Grid Flag Location	09/28/2011 15:37:52	0.00832	0.01563	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1188	56.976172879	-158.651958254	29.099	Approximate Tundra Grid Flag Location	09/28/2011 15:38:05	0.00518	0.00947	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG1188	56.976172879	-158.651958254	29.099	Approximate Tundra Grid Flag Location	09/28/2011 15:38:05	0.00518	0.00947	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1189	56.976155060	-158.651881474	29.016	Approximate Tundra Grid Flag Location	09/28/2011 15:38:19	0.00799	0.01512	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1189	56.976155060	-158.651881474	29.016	Approximate Tundra Grid Flag Location	09/28/2011 15:38:19	0.00799	0.01512	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1190	56.976147638	-158.651844800	28.980	Approximate Tundra Grid Flag Location	09/28/2011 15:38:29	0.01057	0.01914	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1190	56.976147638	-158.651844800	28.980	Approximate Tundra Grid Flag Location	09/28/2011 15:38:29	0.01057	0.01914	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1191	56.976130771	-158.651768488	28.831	Approximate Tundra Grid Flag Location	09/28/2011 15:38:44	0.00640	0.01215	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1191	56.976130771	-158.651768488	28.831	Approximate Tundra Grid Flag Location	09/28/2011 15:38:44	0.00640	0.01215	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1192	56.976115014	-158.651702019	28.699	Approximate Tundra Grid Flag Location	09/28/2011 15:38:58	0.00515	0.00972	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1192	56.976115014	-158.651702019	28.699	Approximate Tundra Grid Flag Location	09/28/2011 15:38:58	0.00515	0.00972	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1193	56.976099698	-158.651637803	28.592	Approximate Tundra Grid Flag Location	09/28/2011 15:39:15	0.00518	0.00951	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1193	56.976099698	-158.651637803	28.592	Approximate Tundra Grid Flag Location	09/28/2011 15:39:15	0.00518	0.00951	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1194	56.976123186	-158.651609454	28.474	Approximate Tundra Grid Flag Location	09/28/2011 15:39:28	0.00538	0.00976	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1194	56.976123186	-158.651609454	28.474	Approximate Tundra Grid Flag Location	09/28/2011 15:39:28	0.00538	0.00976	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1195	56.976136923	-158.651617978	28.620	Approximate Tundra Grid Flag Location	09/28/2011 15:39:38	0.00582	0.01057	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1195	56.976136923	-158.651617978	28.620	Approximate Tundra Grid Flag Location	09/28/2011 15:39:38	0.00582	0.01057	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1196	56.976175216	-158.651598049	28.387	Approximate Tundra Grid Flag Location	09/28/2011 15:39:53	0.00652	0.01187	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1196	56.976175216	-158.651598049	28.387	Approximate Tundra Grid Flag Location	09/28/2011 15:39:53	0.00652	0.01187	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1197	56.976214602	-158.651575852	28.297	Approximate Tundra Grid Flag Location	09/28/2011 15:40:12	0.00592	0.01076	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1197	56.976214602	-158.651575852	28.297	Approximate Tundra Grid Flag Location	09/28/2011 15:40:12	0.00592	0.01076	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1198	56.976201453	-158.651518526	28.096	Approximate Tundra Grid Flag Location	09/28/2011 15:40:26	0.00797	0.01448	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1198	56.976201453	-158.651518526	28.096	Approximate Tundra Grid Flag Location	09/28/2011 15:40:26	0.00797	0.01448	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1199	56.976183315	-158.651549306	28.138	Approximate Tundra Grid Flag Location	09/28/2011 15:40:37	0.00542	0.00988	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1199	56.976183315	-158.651549306	28.138	Approximate Tundra Grid Flag Location	09/28/2011 15:40:37	0.00542	0.00988	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1200	56.976161153	-158.651530203	28.079	Approximate Tundra Grid Flag Location	09/28/2011 15:40:49	0.00680	0.01237	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1200	56.976161153	-158.651530203	28.079	Approximate Tundra Grid Flag Location	09/28/2011 15:40:49	0.00680	0.01237	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1201	56.976122116	-158.651549008	28.302	Approximate Tundra Grid Flag Location	09/28/2011 15:41:03	0.00579	0.01106	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1201	56.976122116	-158.651549008	28.302	Approximate Tundra Grid Flag Location	09/28/2011 15:41:03	0.00579	0.01106	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1202	56.976083833	-158.651567245	28.417	Approximate Tundra Grid Flag Location	09/28/2011 15:41:19	0.00836	0.01544	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1202	56.976083833	-158.651567245	28.417	Approximate Tundra Grid Flag Location	09/28/2011 15:41:19	0.00836	0.01544	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1203	56.976069661	-158.651495083	28.273	Approximate Tundra Grid Flag Location	09/28/2011 15:41:33	0.00624	0.01186	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1203	56.976069661	-158.651495083	28.273	Approximate Tundra Grid Flag Location	09/28/2011 15:41:33	0.00624	0.01186	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1204	56.976053101	-158.651424783	28.301	Approximate Tundra Grid Flag Location	09/28/2011 15:41:48	0.00590	0.01074	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1204	56.976053101	-158.651424783	28.301	Approximate Tundra Grid Flag Location	09/28/2011 15:41:48	0.00590	0.01074	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1205	56.976024972	-158.651305497	28.028	Approximate Tundra Grid Flag Location	09/28/2011 15:42:07	0.00625	0.01139	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1205	56.976024972	-158.651305497	28.028	Approximate Tundra Grid Flag Location	09/28/2011 15:42:07	0.00625	0.01139	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1206	56.976024977	-158.651172027	27.447	Approximate Tundra Grid Flag Location	09/28/2011 15:42:32	0.00592	0.01099	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1206	56.976024977	-158.651172027	27.447	Approximate Tundra Grid Flag Location	09/28/2011 15:42:32	0.00592	0.01099	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1207	56.976084804	-158.651117433	27.978	Approximate Tundra Grid Flag Location	09/28/2011 15:42:51	0.00565	0.01034	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1207	56.976084804	-158.651117433	27.978	Approximate Tundra Grid Flag Location	09/28/2011 15:42:51	0.00565	0.01034	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1208	56.975934992	-158.650920208	27.515	Approximate Tundra Grid Flag Location	09/28/2011 15:43:28	0.00756	0.01391	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1208	56.975934992	-158.650920208	27.515	Approximate Tundra Grid Flag Location	09/28/2011 15:43:28	0.00756	0.01391	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1209	56.975916461	-158.650852928	27.776	Approximate Tundra Grid Flag Location	09/28/2011 15:43:41	0.00514	0.00938	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1209	56.975916461	-158.650852928	27.776	Approximate Tundra Grid Flag Location	09/28/2011 15:43:41	0.00514	0.00938	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1210	56.975899548	-158.650783703	26.425	Approximate Tundra Grid Flag Location	09/28/2011 15:43:58	0.00490	0.00893	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1210	56.975899548	-158.650783703	26.425	Approximate Tundra Grid Flag Location	09/28/2011 15:43:58	0.00490	0.00893	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1211	56.975886480	-158.650717670	25.210	Approximate Tundra Grid Flag Location	09/28/2011 15:44:14	0.00479	0.00873	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1211	56.975886480	-158.650717670	25.210	Approximate Tundra Grid Flag Location	09/28/2011 15:44:14	0.00479	0.00873	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1212	56.975917540	-158.650700911	24.912	Approximate Tundra Grid Flag Location	09/28/2011 15:44:38	0.00550	0.01004	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1212	56.975917540	-158.650700911	24.912	Approximate Tundra Grid Flag Location	09/28/2011 15:44:38	0.00550	0.01004	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1213	56.975983500	-158.650671682	24.750	Approximate Tundra Grid Flag Location	09/28/2011 15:44:57	0.00595	0.01088	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1213	56.975983500	-158.650671682	24.750	Approximate Tundra Grid Flag Location	09/28/2011 15:44:57	0.00595	0.01088	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1214	56.975866051	-158.650642302	24.869	Approximate Tundra Grid Flag Location	09/28/2011 15:45:25	0.00844	0.01548	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1214	56.975866051	-158.650642302	24.869	Approximate Tundra Grid Flag Location	09/28/2011 15:45:25	0.00844	0.01548	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1215	56.975851626	-158.650574848	24.878	Approximate Tundra Grid Flag Location	09/28/2011 15:45:40	0.00610	0.01137	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1215	56.975851626	-158.650574848	24.878	Approximate Tundra Grid Flag Location	09/28/2011 15:45:40	0.00610	0.01137	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1216	56.975838276	-158.650506152	25.033	Approximate Tundra Grid Flag Location	09/28/2011 15:45:53	0.00753	0.01375	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1216	56.975838276	-158.650506152	25.033	Approximate Tundra Grid Flag Location	09/28/2011 15:45:53	0.00753	0.01375	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG1217	56.975826096	-158.650467987	25.042	Approximate Tundra Grid Flag Location	09/28/2011 15:46:07	0.00875	0.01597	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1217	56.975826096	-158.650467987	25.042	Approximate Tundra Grid Flag Location	09/28/2011 15:46:07	0.00875	0.01597	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1218	56.975812339	-158.650393646	25.201	Approximate Tundra Grid Flag Location	09/28/2011 15:46:21	0.00589	0.01088	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1218	56.975812339	-158.650393646	25.201	Approximate Tundra Grid Flag Location	09/28/2011 15:46:21	0.00589	0.01088	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1219	56.975793596	-158.650313216	25.096	Approximate Tundra Grid Flag Location	09/28/2011 15:46:37	0.00525	0.00959	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1219	56.975793596	-158.650313216	25.096	Approximate Tundra Grid Flag Location	09/28/2011 15:46:37	0.00525	0.00959	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1220	56.975780551	-158.650252454	24.847	Approximate Tundra Grid Flag Location	09/28/2011 15:46:50	0.00641	0.01170	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1220	56.975780551	-158.650252454	24.847	Approximate Tundra Grid Flag Location	09/28/2011 15:46:50	0.00641	0.01170	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1221	56.975805022	-158.650236917	24.771	Approximate Tundra Grid Flag Location	09/28/2011 15:47:01	0.00978	0.01836	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1221	56.975805022	-158.650236917	24.771	Approximate Tundra Grid Flag Location	09/28/2011 15:47:01	0.00978	0.01836	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1222	56.975871886	-158.650202946	24.654	Approximate Tundra Grid Flag Location	09/28/2011 15:47:18	0.00702	0.01296	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1222	56.975871886	-158.650202946	24.654	Approximate Tundra Grid Flag Location	09/28/2011 15:47:18	0.00702	0.01296	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1223	56.975761032	-158.650176032	24.623	Approximate Tundra Grid Flag Location	09/28/2011 15:47:42	0.00712	0.01317	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1223	56.975761032	-158.650176032	24.623	Approximate Tundra Grid Flag Location	09/28/2011 15:47:42	0.00712	0.01317	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1224	56.975748771	-158.650106865	24.458	Approximate Tundra Grid Flag Location	09/28/2011 15:47:55	0.00654	0.01243	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1224	56.975748771	-158.650106865	24.458	Approximate Tundra Grid Flag Location	09/28/2011 15:47:55	0.00654	0.01243	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1225	56.975733867	-158.650048421	24.163	Approximate Tundra Grid Flag Location	09/28/2011 15:48:08	0.00581	0.01083	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1225	56.975733867	-158.650048421	24.163	Approximate Tundra Grid Flag Location	09/28/2011 15:48:08	0.00581	0.01083	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1226	56.975695065	-158.650067914	24.166	Approximate Tundra Grid Flag Location	09/28/2011 15:48:22	0.00616	0.01150	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1226	56.975695065	-158.650067914	24.166	Approximate Tundra Grid Flag Location	09/28/2011 15:48:22	0.00616	0.01150	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1227	56.975709781	-158.650130144	24.267	Approximate Tundra Grid Flag Location	09/28/2011 15:48:34	0.00690	0.01292	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1227	56.975709781	-158.650130144	24.267	Approximate Tundra Grid Flag Location	09/28/2011 15:48:34	0.00690	0.01292	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1228	56.975724242	-158.650198656	24.483	Approximate Tundra Grid Flag Location	09/28/2011 15:49:15	0.00559	0.01041	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1228	56.975724242	-158.650198656	24.483	Approximate Tundra Grid Flag Location	09/28/2011 15:49:15	0.00559	0.01041	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1229	56.975741666	-158.650270821	24.796	Approximate Tundra Grid Flag Location	09/28/2011 15:49:29	0.00563	0.01051	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1229	56.975741666	-158.650270821	24.796	Approximate Tundra Grid Flag Location	09/28/2011 15:49:29	0.00563	0.01051	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1230	56.975757344	-158.650339585	25.469	Approximate Tundra Grid Flag Location	09/28/2011 15:49:43	0.00652	0.01199	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1230	56.975757344	-158.650339585	25.469	Approximate Tundra Grid Flag Location	09/28/2011 15:49:43	0.00652	0.01199	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1231	56.975787592	-158.650482241	25.274	Approximate Tundra Grid Flag Location	09/28/2011 15:50:00	0.00593	0.01105	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1231	56.975787592	-158.650482241	25.274	Approximate Tundra Grid Flag Location	09/28/2011 15:50:00	0.00593	0.01105	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1232	56.975800523	-158.650528231	25.315	Approximate Tundra Grid Flag Location	09/28/2011 15:50:10	0.00863	0.01567	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1232	56.975800523	-158.650528231	25.315	Approximate Tundra Grid Flag Location	09/28/2011 15:50:10	0.00863	0.01567	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1233	56.975813227	-158.650595027	25.064	Approximate Tundra Grid Flag Location	09/28/2011 15:50:23	0.00545	0.00989	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1233	56.975813227	-158.650595027	25.064	Approximate Tundra Grid Flag Location	09/28/2011 15:50:23	0.00545	0.00989	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1234	56.975829042	-158.650661520	25.201	Approximate Tundra Grid Flag Location	09/28/2011 15:50:36	0.00532	0.00977	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1234	56.975829042	-158.650661520	25.201	Approximate Tundra Grid Flag Location	09/28/2011 15:50:36	0.00532	0.00977	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1235	56.975848501	-158.650736760	25.914	Approximate Tundra Grid Flag Location	09/28/2011 15:50:48	0.01005	0.01843	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1235	56.975848501	-158.650736760	25.914	Approximate Tundra Grid Flag Location	09/28/2011 15:50:48	0.01005	0.01843	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1236	56.975862918	-158.650801756	26.497	Approximate Tundra Grid Flag Location	09/28/2011 15:51:03	0.01046	0.01917	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1236	56.975862918	-158.650801756	26.497	Approximate Tundra Grid Flag Location	09/28/2011 15:51:03	0.01046	0.01917	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1237	56.975879284	-158.650869833	26.838	Approximate Tundra Grid Flag Location	09/28/2011 15:51:15	0.00769	0.01392	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1237	56.975879284	-158.650869833	26.838	Approximate Tundra Grid Flag Location	09/28/2011 15:51:15	0.00769	0.01392	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1238	56.975898155	-158.650939071	27.152	Approximate Tundra Grid Flag Location	09/28/2011 15:51:28	0.00720	0.01304	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1238	56.975898155	-158.650939071	27.152	Approximate Tundra Grid Flag Location	09/28/2011 15:51:28	0.00720	0.01304	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1239	56.976014947	-158.651448129	27.902	Approximate Tundra Grid Flag Location	09/28/2011 15:52:26	0.00835	0.01505	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1239	56.976014947	-158.651448129	27.902	Approximate Tundra Grid Flag Location	09/28/2011 15:52:26	0.00835	0.01505	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1240	56.976046468	-158.651587448	28.240	Approximate Tundra Grid Flag Location	09/28/2011 15:52:43	0.00671	0.01216	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1240	56.976046468	-158.651587448	28.240	Approximate Tundra Grid Flag Location	09/28/2011 15:52:43	0.00671	0.01216	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1241	56.976062204	-158.651658331	28.366	Approximate Tundra Grid Flag Location	09/28/2011 15:52:55	0.00531	0.00948	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1241	56.976062204	-158.651658331	28.366	Approximate Tundra Grid Flag Location	09/28/2011 15:52:55	0.00531	0.00948	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1242	56.976077136	-158.651727132	28.489	Approximate Tundra Grid Flag Location	09/28/2011 15:53:08	0.00790	0.01398	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1242	56.976077136	-158.651727132	28.489	Approximate Tundra Grid Flag Location	09/28/2011 15:53:08	0.00790	0.01398	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1243	56.976093358	-158.651794785	28.517	Approximate Tundra Grid Flag Location	09/28/2011 15:53:22	0.00549	0.00971	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1243	56.976093358	-158.651794785	28.517	Approximate Tundra Grid Flag Location	09/28/2011 15:53:22	0.00549	0.00971	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1244	56.976107591	-158.651865565	28.543	Approximate Tundra Grid Flag Location	09/28/2011 15:53:36	0.00674	0.01193	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1244	56.976107591	-158.651865565	28.543	Approximate Tundra Grid Flag Location	09/28/2011 15:53:36	0.00674	0.01193	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1245	56.976118388	-158.651906313	28.572	Approximate Tundra Grid Flag Location	09/28/2011 15:53:53	0.00603	0.01115	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAG1245	56.976118388	-158.651906313	28.572	Approximate Tundra Grid Flag Location	09/28/2011 15:53:53	0.00603	0.01115	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1246	56.976134299	-158.651977308	28.690	Approximate Tundra Grid Flag Location	09/28/2011 15:54:06	0.00498	0.00887	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1246	56.976134299	-158.651977308	28.690	Approximate Tundra Grid Flag Location	09/28/2011 15:54:06	0.00498	0.00887	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1247	56.976149547	-158.652046853	28.745	Approximate Tundra Grid Flag Location	09/28/2011 15:54:20	0.00601	0.01058	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1247	56.976149547	-158.652046853	28.745	Approximate Tundra Grid Flag Location	09/28/2011 15:54:20	0.00601	0.01058	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1248	56.976164544	-158.652116475	28.953	Approximate Tundra Grid Flag Location	09/28/2011 15:54:34	0.00474	0.00840	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1248	56.976164544	-158.652116475	28.953	Approximate Tundra Grid Flag Location	09/28/2011 15:54:34	0.00474	0.00840	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1249	56.976209854	-158.652324700	29.587	Approximate Tundra Grid Flag Location	09/28/2011 15:55:04	0.00642	0.01176	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1249	56.976209854	-158.652324700	29.587	Approximate Tundra Grid Flag Location	09/28/2011 15:55:04	0.00642	0.01176	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1250	56.976223018	-158.652381541	29.360	Approximate Tundra Grid Flag Location	09/28/2011 15:55:16	0.00550	0.00964	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1250	56.976223018	-158.652381541	29.360	Approximate Tundra Grid Flag Location	09/28/2011 15:55:16	0.00550	0.00964	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1251	56.976238826	-158.652450061	29.380	Approximate Tundra Grid Flag Location	09/28/2011 15:55:28	0.00502	0.00887	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1251	56.976238826	-158.652450061	29.380	Approximate Tundra Grid Flag Location	09/28/2011 15:55:28	0.00502	0.00887	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1252	56.976256111	-158.652520114	29.434	Approximate Tundra Grid Flag Location	09/28/2011 15:55:42	0.00596	0.01062	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1252	56.976256111	-158.652520114	29.434	Approximate Tundra Grid Flag Location	09/28/2011 15:55:42	0.00596	0.01062	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1253	56.976271830	-158.652589676	29.636	Approximate Tundra Grid Flag Location	09/28/2011 15:55:55	0.00754	0.01317	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1253	56.976271830	-158.652589676	29.636	Approximate Tundra Grid Flag Location	09/28/2011 15:55:55	0.00754	0.01317	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1254	56.976289286	-158.652659983	29.725	Approximate Tundra Grid Flag Location	09/28/2011 15:56:10	0.00491	0.00874	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1254	56.976289286	-158.652659983	29.725	Approximate Tundra Grid Flag Location	09/28/2011 15:56:10	0.00491	0.00874	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1255	56.976305238	-158.652726911	29.909	Approximate Tundra Grid Flag Location	09/28/2011 15:56:24	0.00527	0.00928	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1255	56.976305238	-158.652726911	29.909	Approximate Tundra Grid Flag Location	09/28/2011 15:56:24	0.00527	0.00928	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1256	56.976318148	-158.652783523	30.042	Approximate Tundra Grid Flag Location	09/28/2011 15:56:53	0.00552	0.00969	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1256	56.976318148	-158.652783523	30.042	Approximate Tundra Grid Flag Location	09/28/2011 15:56:53	0.00552	0.00969	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1257	56.976334275	-158.652853218	30.202	Approximate Tundra Grid Flag Location	09/28/2011 15:57:05	0.00708	0.01243	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1257	56.976334275	-158.652853218	30.202	Approximate Tundra Grid Flag Location	09/28/2011 15:57:05	0.00708	0.01243	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1258	56.976344255	-158.652905744	30.330	Approximate Tundra Grid Flag Location	09/28/2011 15:57:18	0.00597	0.01047	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1258	56.976344255	-158.652905744	30.330	Approximate Tundra Grid Flag Location	09/28/2011 15:57:18	0.00597	0.01047	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1259	56.976377241	-158.653034505	30.668	Approximate Tundra Grid Flag Location	09/28/2011 15:57:38	0.00621	0.01087	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1259	56.976377241	-158.653034505	30.668	Approximate Tundra Grid Flag Location	09/28/2011 15:57:38	0.00621	0.01087	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1260	56.976394593	-158.653109217	30.768	Approximate Tundra Grid Flag Location	09/28/2011 15:57:53	0.00988	0.01129	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1260	56.976394593	-158.653109217	30.768	Approximate Tundra Grid Flag Location	09/28/2011 15:57:53	0.00988	0.01129	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1261	56.976410638	-158.653175070	30.818	Approximate Tundra Grid Flag Location	09/28/2011 15:58:05	0.00753	0.01250	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1261	56.976410638	-158.653175070	30.818	Approximate Tundra Grid Flag Location	09/28/2011 15:58:05	0.00753	0.01250	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1262	56.976424557	-158.653241545	30.866	Approximate Tundra Grid Flag Location	09/28/2011 15:58:16	0.01339	0.01802	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1262	56.976424557	-158.653241545	30.866	Approximate Tundra Grid Flag Location	09/28/2011 15:58:16	0.01339	0.01802	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1263	56.976449220	-158.653356071	31.201	Approximate Tundra Grid Flag Location	09/28/2011 15:58:34	0.00535	0.00880	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1263	56.976449220	-158.653356071	31.201	Approximate Tundra Grid Flag Location	09/28/2011 15:58:34	0.00535	0.00880	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1264	56.976466338	-158.653425337	31.414	Approximate Tundra Grid Flag Location	09/28/2011 15:58:48	0.00784	0.01179	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1264	56.976466338	-158.653425337	31.414	Approximate Tundra Grid Flag Location	09/28/2011 15:58:48	0.00784	0.01179	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1265	56.976481585	-158.653496351	31.572	Approximate Tundra Grid Flag Location	09/28/2011 15:59:03	0.00805	0.01307	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1265	56.976481585	-158.653496351	31.572	Approximate Tundra Grid Flag Location	09/28/2011 15:59:03	0.00805	0.01307	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1266	56.976498917	-158.653564831	31.572	Approximate Tundra Grid Flag Location	09/28/2011 15:59:15	0.00730	0.01165	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1266	56.976498917	-158.653564831	31.572	Approximate Tundra Grid Flag Location	09/28/2011 15:59:15	0.00730	0.01165	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1267	56.976513908	-158.653630089	31.712	Approximate Tundra Grid Flag Location	09/28/2011 15:59:26	0.01056	0.01657	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1267	56.976513908	-158.653630089	31.712	Approximate Tundra Grid Flag Location	09/28/2011 15:59:26	0.01056	0.01657	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1268	56.976530074	-158.653701685	31.690	Approximate Tundra Grid Flag Location	09/28/2011 15:59:39	0.00780	0.01256	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1268	56.976530074	-158.653701685	31.690	Approximate Tundra Grid Flag Location	09/28/2011 15:59:39	0.00780	0.01256	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1269	56.976552302	-158.653792267	31.843	Approximate Tundra Grid Flag Location	09/28/2011 15:59:53	0.00726	0.01269	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAG1269	56.976552302	-158.653792267	31.843	Approximate Tundra Grid Flag Location	09/28/2011 15:59:53	0.00726	0.01269	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02000	56.976168970	-158.651363163	27.957	Approximate Tundra Grid Flag Location	09/29/2011 13:33:48	0.00936	0.01535	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02000	56.976168970	-158.651363163	27.957	Approximate Tundra Grid Flag Location	09/29/2011 13:33:48	0.00936	0.01535	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02001	56.976187249	-158.651430122	28.266	Approximate Tundra Grid Flag Location	09/29/2011 13:33:55	0.00592	0.00971	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02001	56.976187249	-158.651430122	28.266	Approximate Tundra Grid Flag Location	09/29/2011 13:33:55	0.00592	0.00971	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02002	56.976201201	-158.651516784	28.084	Approximate Tundra Grid Flag Location	09/29/2011 13:34:02	0.00652	0.01067	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02002	56.976201201	-158.651516784	28.084	Approximate Tundra Grid Flag Location	09/29/2011 13:34:02	0.00652	0.01067	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02003	56.976213976	-158.651573485	28.323	Approximate Tundra Grid Flag Location	09/29/2011 13:34:09	0.00637	0.01043	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02003	56.976213976	-158.651573485	28.323	Approximate Tundra Grid Flag Location	09/29/2011 13:34:09	0.00637	0.01043	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAGX02004	56.976232417	-158.651650321	28.553	Approximate Tundra Grid Flag Location	09/29/2011 13:34:16	0.00736	0.01205	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02004	56.976232417	-158.651650321	28.553	Approximate Tundra Grid Flag Location	09/29/2011 13:34:16	0.00736	0.01205	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02005	56.976247601	-158.651718839	28.595	Approximate Tundra Grid Flag Location	09/29/2011 13:34:22	0.00833	0.01362	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02005	56.976247601	-158.651718839	28.595	Approximate Tundra Grid Flag Location	09/29/2011 13:34:22	0.00833	0.01362	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02006	56.976264556	-158.651781227	28.564	Approximate Tundra Grid Flag Location	09/29/2011 13:34:29	0.00846	0.01383	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02006	56.976264556	-158.651781227	28.564	Approximate Tundra Grid Flag Location	09/29/2011 13:34:29	0.00846	0.01383	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02007	56.976224633	-158.651799001	28.721	Approximate Tundra Grid Flag Location	09/29/2011 13:34:36	0.00637	0.01041	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02007	56.976224633	-158.651799001	28.721	Approximate Tundra Grid Flag Location	09/29/2011 13:34:36	0.00637	0.01041	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02008	56.976187516	-158.651817293	28.865	Approximate Tundra Grid Flag Location	09/29/2011 13:34:42	0.00847	0.01384	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02008	56.976187516	-158.651817293	28.865	Approximate Tundra Grid Flag Location	09/29/2011 13:34:42	0.00847	0.01384	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02009	56.976147083	-158.651843040	28.968	Approximate Tundra Grid Flag Location	09/29/2011 13:34:49	0.01229	0.02007	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02009	56.976147083	-158.651843040	28.968	Approximate Tundra Grid Flag Location	09/29/2011 13:34:49	0.01229	0.02007	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02010	56.976153862	-158.651881182	28.957	Approximate Tundra Grid Flag Location	09/29/2011 13:34:54	0.01080	0.01763	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02010	56.976153862	-158.651881182	28.957	Approximate Tundra Grid Flag Location	09/29/2011 13:34:54	0.01080	0.01763	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02011	56.976172179	-158.651957034	29.084	Approximate Tundra Grid Flag Location	09/29/2011 13:35:01	0.00899	0.01466	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02011	56.976172179	-158.651957034	29.084	Approximate Tundra Grid Flag Location	09/29/2011 13:35:01	0.00899	0.01466	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02012	56.976188313	-158.652024432	28.875	Approximate Tundra Grid Flag Location	09/29/2011 13:35:08	0.00644	0.01050	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02012	56.976188313	-158.652024432	28.875	Approximate Tundra Grid Flag Location	09/29/2011 13:35:08	0.00644	0.01050	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02013	56.976118586	-158.651906242	28.564	Approximate Tundra Grid Flag Location	09/29/2011 13:35:23	0.00570	0.00929	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02013	56.976118586	-158.651906242	28.564	Approximate Tundra Grid Flag Location	09/29/2011 13:35:23	0.00570	0.00929	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02014	56.976134337	-158.651978747	28.652	Approximate Tundra Grid Flag Location	09/29/2011 13:35:30	0.00660	0.01074	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02014	56.976134337	-158.651978747	28.652	Approximate Tundra Grid Flag Location	09/29/2011 13:35:30	0.00660	0.01074	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02015	56.976148983	-158.652045441	28.713	Approximate Tundra Grid Flag Location	09/29/2011 13:35:36	0.01091	0.01776	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02015	56.976148983	-158.652045441	28.713	Approximate Tundra Grid Flag Location	09/29/2011 13:35:36	0.01091	0.01776	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02016	56.976230683	-158.652097024	29.020	Approximate Tundra Grid Flag Location	09/29/2011 13:35:47	0.00691	0.01124	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02016	56.976230683	-158.652097024	29.020	Approximate Tundra Grid Flag Location	09/29/2011 13:35:47	0.00691	0.01124	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02017	56.976285964	-158.652075914	28.538	Approximate Tundra Grid Flag Location	09/29/2011 13:35:54	0.00604	0.00982	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02017	56.976285964	-158.652075914	28.538	Approximate Tundra Grid Flag Location	09/29/2011 13:35:54	0.00604	0.00982	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02018	56.976370705	-158.652265798	29.191	Approximate Tundra Grid Flag Location	09/29/2011 13:36:07	0.00812	0.01319	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02018	56.976370705	-158.652265798	29.191	Approximate Tundra Grid Flag Location	09/29/2011 13:36:07	0.00812	0.01319	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02019	56.976389432	-158.652345463	29.435	Approximate Tundra Grid Flag Location	09/29/2011 13:36:14	0.00687	0.01115	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02019	56.976389432	-158.652345463	29.435	Approximate Tundra Grid Flag Location	09/29/2011 13:36:14	0.00687	0.01115	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02020	56.976405452	-158.652406622	29.427	Approximate Tundra Grid Flag Location	09/29/2011 13:36:20	0.00710	0.01153	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02020	56.976405452	-158.652406622	29.427	Approximate Tundra Grid Flag Location	09/29/2011 13:36:20	0.00710	0.01153	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02021	56.976421073	-158.652471883	29.706	Approximate Tundra Grid Flag Location	09/29/2011 13:36:27	0.00779	0.01264	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02021	56.976421073	-158.652471883	29.706	Approximate Tundra Grid Flag Location	09/29/2011 13:36:27	0.00779	0.01264	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02022	56.976394252	-158.652482859	30.049	Approximate Tundra Grid Flag Location	09/29/2011 13:36:34	0.01168	0.01894	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02022	56.976394252	-158.652482859	30.049	Approximate Tundra Grid Flag Location	09/29/2011 13:36:34	0.01168	0.01894	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02023	56.976383994	-158.652503559	30.169	Approximate Tundra Grid Flag Location	09/29/2011 13:36:39	0.01395	0.02262	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02023	56.976383994	-158.652503559	30.169	Approximate Tundra Grid Flag Location	09/29/2011 13:36:39	0.01395	0.02262	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02024	56.976346629	-158.652534009	30.171	Approximate Tundra Grid Flag Location	09/29/2011 13:36:47	0.00680	0.01102	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02024	56.976346629	-158.652534009	30.171	Approximate Tundra Grid Flag Location	09/29/2011 13:36:47	0.00680	0.01102	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02025	56.97635749	-158.652546501	30.241	Approximate Tundra Grid Flag Location	09/29/2011 13:36:52	0.01063	0.01722	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02025	56.97635749	-158.652546501	30.241	Approximate Tundra Grid Flag Location	09/29/2011 13:36:52	0.01063	0.01722	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02026	56.976309755	-158.652561121	30.115	Approximate Tundra Grid Flag Location	09/29/2011 13:36:58	0.00768	0.01243	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02026	56.976309755	-158.652561121	30.115	Approximate Tundra Grid Flag Location	09/29/2011 13:36:58	0.00768	0.01243	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02027	56.976272547	-158.652591309	29.592	Approximate Tundra Grid Flag Location	09/29/2011 13:37:05	0.01046	0.01692	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02027	56.976272547	-158.652591309	29.592	Approximate Tundra Grid Flag Location	09/29/2011 13:37:05	0.01046	0.01692	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02028	56.976440707	-158.652554919	29.542	Approximate Tundra Grid Flag Location	09/29/2011 13:37:22	0.00637	0.01039	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02028	56.976440707	-158.652554919	29.542	Approximate Tundra Grid Flag Location	09/29/2011 13:37:22	0.00637	0.01039	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02029	56.976455437	-158.652622039	29.556	Approximate Tundra Grid Flag Location	09/29/2011 13:37:29	0.00537	0.00868	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02029	56.976455437	-158.652622039	29.556	Approximate Tundra Grid Flag Location	09/29/2011 13:37:29	0.00537	0.00868	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02030	56.976475264	-158.652715656	29.505	Approximate Tundra Grid Flag Location	09/29/2011 13:37:37	0.00749	0.01209	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02030	56.976475264	-158.652715656	29.505	Approximate Tundra Grid Flag Location	09/29/2011 13:37:37	0.00749	0.01209	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02031	56.976436576	-158.652731225	29.692	Approximate Tundra Grid Flag Location	09/29/2011 13:37:44	0.00745	0.01202	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02031	56.976436576	-158.652731225	29.692	Approximate Tundra Grid Flag Location	09/29/2011 13:37:44	0.00745	0.01202	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02032	56.976396506	-158.652747860	30.085	Approximate Tundra Grid Flag Location	09/29/2011 13:37:53	0.00746	0.01209	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAGX02032	56.976396506	-158.652747860	30.085	Approximate Tundra Grid Flag Location	09/29/2011 13:37:53	0.00746	0.01209	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02033	56.976358140	-158.652767059	30.199	Approximate Tundra Grid Flag Location	09/29/2011 13:38:00	0.00961	0.01557	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02033	56.976358140	-158.652767059	30.199	Approximate Tundra Grid Flag Location	09/29/2011 13:38:00	0.00961	0.01557	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02034	56.976319269	-158.652789437	30.007	Approximate Tundra Grid Flag Location	09/29/2011 13:38:07	0.00851	0.01377	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02034	56.976319269	-158.652789437	30.007	Approximate Tundra Grid Flag Location	09/29/2011 13:38:07	0.00851	0.01377	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02035	56.976326510	-158.652826956	30.014	Approximate Tundra Grid Flag Location	09/29/2011 13:38:12	0.00909	0.01471	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02035	56.976326510	-158.652826956	30.014	Approximate Tundra Grid Flag Location	09/29/2011 13:38:12	0.00909	0.01471	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02036	56.976340309	-158.652895739	30.220	Approximate Tundra Grid Flag Location	09/29/2011 13:38:18	0.00645	0.01043	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02036	56.976340309	-158.652895739	30.220	Approximate Tundra Grid Flag Location	09/29/2011 13:38:18	0.00645	0.01043	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02037	56.976380038	-158.652871374	30.325	Approximate Tundra Grid Flag Location	09/29/2011 13:38:25	0.00885	0.01456	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02037	56.976380038	-158.652871374	30.325	Approximate Tundra Grid Flag Location	09/29/2011 13:38:25	0.00885	0.01456	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02038	56.976396310	-158.652936930	30.542	Approximate Tundra Grid Flag Location	09/29/2011 13:38:32	0.01133	0.01863	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02038	56.976396310	-158.652936930	30.542	Approximate Tundra Grid Flag Location	09/29/2011 13:38:32	0.01133	0.01863	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02039	56.976356188	-158.652967964	30.453	Approximate Tundra Grid Flag Location	09/29/2011 13:38:40	0.00683	0.01102	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02039	56.976356188	-158.652967964	30.453	Approximate Tundra Grid Flag Location	09/29/2011 13:38:40	0.00683	0.01102	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02040	56.976370942	-158.653033853	30.606	Approximate Tundra Grid Flag Location	09/29/2011 13:38:46	0.00681	0.01098	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02040	56.976370942	-158.653033853	30.606	Approximate Tundra Grid Flag Location	09/29/2011 13:38:46	0.00681	0.01098	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02041	56.976413290	-158.653007645	30.590	Approximate Tundra Grid Flag Location	09/29/2011 13:38:53	0.01201	0.01937	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02041	56.976413290	-158.653007645	30.590	Approximate Tundra Grid Flag Location	09/29/2011 13:38:53	0.01201	0.01937	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02042	56.976437833	-158.652978369	30.655	Approximate Tundra Grid Flag Location	09/29/2011 13:38:59	0.01229	0.01981	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02042	56.976437833	-158.652978369	30.655	Approximate Tundra Grid Flag Location	09/29/2011 13:38:59	0.01229	0.01981	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02043	56.976499170	-158.652926577	30.226	Approximate Tundra Grid Flag Location	09/29/2011 13:39:09	0.00610	0.01000	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02043	56.976499170	-158.652926577	30.226	Approximate Tundra Grid Flag Location	09/29/2011 13:39:09	0.00610	0.01000	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02044	56.976559670	-158.652882711	30.029	Approximate Tundra Grid Flag Location	09/29/2011 13:39:18	0.00914	0.01483	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02044	56.976559670	-158.652882711	30.029	Approximate Tundra Grid Flag Location	09/29/2011 13:39:18	0.00914	0.01483	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02045	56.976431176	-158.653075181	30.865	Approximate Tundra Grid Flag Location	09/29/2011 13:39:35	0.00708	0.01139	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02045	56.976431176	-158.653075181	30.865	Approximate Tundra Grid Flag Location	09/29/2011 13:39:35	0.00708	0.01139	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02046	56.976389296	-158.653101334	30.725	Approximate Tundra Grid Flag Location	09/29/2011 13:39:42	0.00716	0.01151	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02046	56.976389296	-158.653101334	30.725	Approximate Tundra Grid Flag Location	09/29/2011 13:39:42	0.00716	0.01151	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02047	56.976406020	-158.653169239	30.787	Approximate Tundra Grid Flag Location	09/29/2011 13:39:49	0.00708	0.01138	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02047	56.976406020	-158.653169239	30.787	Approximate Tundra Grid Flag Location	09/29/2011 13:39:49	0.00708	0.01138	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02048	56.976445579	-158.653143153	30.978	Approximate Tundra Grid Flag Location	09/29/2011 13:39:56	0.00788	0.01285	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02048	56.976445579	-158.653143153	30.978	Approximate Tundra Grid Flag Location	09/29/2011 13:39:56	0.00788	0.01285	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02049	56.976461204	-158.653214205	31.148	Approximate Tundra Grid Flag Location	09/29/2011 13:40:03	0.00637	0.01039	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02049	56.976461204	-158.653214205	31.148	Approximate Tundra Grid Flag Location	09/29/2011 13:40:03	0.00637	0.01039	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02050	56.976470697	-158.653257026	31.325	Approximate Tundra Grid Flag Location	09/29/2011 13:40:09	0.00775	0.01243	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02050	56.976470697	-158.653257026	31.325	Approximate Tundra Grid Flag Location	09/29/2011 13:40:09	0.00775	0.01243	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02051	56.976433551	-158.653287206	30.910	Approximate Tundra Grid Flag Location	09/29/2011 13:40:17	0.00630	0.01010	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02051	56.976433551	-158.653287206	30.910	Approximate Tundra Grid Flag Location	09/29/2011 13:40:17	0.00630	0.01010	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02052	56.976417692	-158.653887637	31.338	Approximate Tundra Grid Flag Location	09/29/2011 13:41:00	0.00819	0.01296	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02052	56.976417692	-158.653887637	31.338	Approximate Tundra Grid Flag Location	09/29/2011 13:41:00	0.00819	0.01296	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02053	56.976360359	-158.653827901	31.825	Approximate Tundra Grid Flag Location	09/29/2011 13:41:11	0.00823	0.01315	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02053	56.976360359	-158.653827901	31.825	Approximate Tundra Grid Flag Location	09/29/2011 13:41:11	0.00823	0.01315	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02054	56.976397378	-158.653804392	31.278	Approximate Tundra Grid Flag Location	09/29/2011 13:41:17	0.00759	0.01218	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02054	56.976397378	-158.653804392	31.278	Approximate Tundra Grid Flag Location	09/29/2011 13:41:17	0.00759	0.01218	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02055	56.976382689	-158.653733435	31.276	Approximate Tundra Grid Flag Location	09/29/2011 13:41:24	0.00677	0.01082	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02055	56.976382689	-158.653733435	31.276	Approximate Tundra Grid Flag Location	09/29/2011 13:41:24	0.00677	0.01082	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02056	56.976345113	-158.653759977	31.592	Approximate Tundra Grid Flag Location	09/29/2011 13:41:31	0.00637	0.01015	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02056	56.976345113	-158.653759977	31.592	Approximate Tundra Grid Flag Location	09/29/2011 13:41:31	0.00637	0.01015	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02057	56.976364854	-158.653662922	31.195	Approximate Tundra Grid Flag Location	09/29/2011 13:41:39	0.00977	0.01102	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02057	56.976364854	-158.653662922	31.195	Approximate Tundra Grid Flag Location	09/29/2011 13:41:39	0.00977	0.01102	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02058	56.976326227	-158.653684903	31.466	Approximate Tundra Grid Flag Location	09/29/2011 13:41:45	0.01036	0.01580	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02058	56.976326227	-158.653684903	31.466	Approximate Tundra Grid Flag Location	09/29/2011 13:41:45	0.01036	0.01580	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02059	56.976286908	-158.653704652	31.397	Approximate Tundra Grid Flag Location	09/29/2011 13:41:52	0.01114	0.01699	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02059	56.976286908	-158.653704652	31.397	Approximate Tundra Grid Flag Location	09/29/2011 13:41:52	0.01114	0.01699	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02060	56.976351558	-158.653596573	30.963	Approximate Tundra Grid Flag Location	09/29/2011 13:42:02	0.00903	0.01416	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02060	56.976351558	-158.653596573	30.963	Approximate Tundra Grid Flag Location	09/29/2011 13:42:02	0.00903	0.01416	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAGX02061	56.976312303	-158.653619312	31.042	Approximate Tundra Grid Flag Location	09/29/2011 13:42:08	0.00928	0.01458	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02061	56.976312303	-158.653619312	31.042	Approximate Tundra Grid Flag Location	09/29/2011 13:42:08	0.00928	0.01458	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02062	56.976288031	-158.653655064	31.255	Approximate Tundra Grid Flag Location	09/29/2011 13:42:14	0.01191	0.01883	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02062	56.976288031	-158.653655064	31.255	Approximate Tundra Grid Flag Location	09/29/2011 13:42:14	0.01191	0.01883	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02063	56.976276561	-158.653645254	31.247	Approximate Tundra Grid Flag Location	09/29/2011 13:42:19	0.00791	0.01257	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02063	56.976276561	-158.653645254	31.247	Approximate Tundra Grid Flag Location	09/29/2011 13:42:19	0.00791	0.01257	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02064	56.976238986	-158.653676659	31.619	Approximate Tundra Grid Flag Location	09/29/2011 13:42:26	0.00629	0.00999	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02064	56.976238986	-158.653676659	31.619	Approximate Tundra Grid Flag Location	09/29/2011 13:42:26	0.00629	0.00999	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02065	56.976202452	-158.653703888	31.455	Approximate Tundra Grid Flag Location	09/29/2011 13:42:34	0.00713	0.01171	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02065	56.976202452	-158.653703888	31.455	Approximate Tundra Grid Flag Location	09/29/2011 13:42:34	0.00713	0.01171	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02066	56.975980466	-158.653915395	30.062	Approximate Tundra Grid Flag Location	09/29/2011 13:43:07	0.00726	0.01178	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02066	56.975980466	-158.653915395	30.062	Approximate Tundra Grid Flag Location	09/29/2011 13:43:07	0.00726	0.01178	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02067	56.976039433	-158.653858431	30.256	Approximate Tundra Grid Flag Location	09/29/2011 13:43:17	0.00876	0.01169	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02067	56.976039433	-158.653858431	30.256	Approximate Tundra Grid Flag Location	09/29/2011 13:43:17	0.00876	0.01169	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02068	56.976149476	-158.653506019	31.475	Approximate Tundra Grid Flag Location	09/29/2011 13:43:50	0.00659	0.01044	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02068	56.976149476	-158.653506019	31.475	Approximate Tundra Grid Flag Location	09/29/2011 13:43:50	0.00659	0.01044	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02069	56.976121809	-158.653380514	31.364	Approximate Tundra Grid Flag Location	09/29/2011 13:43:59	0.00953	0.01561	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02069	56.976121809	-158.653380514	31.364	Approximate Tundra Grid Flag Location	09/29/2011 13:43:59	0.00953	0.01561	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02070	56.976109120	-158.653325546	31.112	Approximate Tundra Grid Flag Location	09/29/2011 13:44:05	0.01152	0.01879	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02070	56.976109120	-158.653325546	31.112	Approximate Tundra Grid Flag Location	09/29/2011 13:44:05	0.01152	0.01879	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02071	56.975999736	-158.653370895	30.473	Approximate Tundra Grid Flag Location	09/29/2011 13:44:18	0.00989	0.01558	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02071	56.975999736	-158.653370895	30.473	Approximate Tundra Grid Flag Location	09/29/2011 13:44:18	0.00989	0.01558	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02072	56.976059204	-158.653308499	30.730	Approximate Tundra Grid Flag Location	09/29/2011 13:44:43	0.00561	0.00881	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02072	56.976059204	-158.653308499	30.730	Approximate Tundra Grid Flag Location	09/29/2011 13:44:43	0.00561	0.00881	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02073	56.976087371	-158.653240904	30.921	Approximate Tundra Grid Flag Location	09/29/2011 13:44:57	0.00565	0.00897	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02073	56.976087371	-158.653240904	30.921	Approximate Tundra Grid Flag Location	09/29/2011 13:44:57	0.00565	0.00897	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02074	56.976120125	-158.653245142	31.058	Approximate Tundra Grid Flag Location	09/29/2011 13:45:05	0.00778	0.01221	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02074	56.976120125	-158.653245142	31.058	Approximate Tundra Grid Flag Location	09/29/2011 13:45:05	0.00778	0.01221	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02075	56.976127519	-158.653212567	30.924	Approximate Tundra Grid Flag Location	09/29/2011 13:45:11	0.00821	0.01288	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02075	56.976127519	-158.653212567	30.924	Approximate Tundra Grid Flag Location	09/29/2011 13:45:11	0.00821	0.01288	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02076	56.976147395	-158.653292830	31.156	Approximate Tundra Grid Flag Location	09/29/2011 13:45:19	0.00734	0.01150	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02076	56.976147395	-158.653292830	31.156	Approximate Tundra Grid Flag Location	09/29/2011 13:45:19	0.00734	0.01150	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02077	56.976184948	-158.653258532	30.609	Approximate Tundra Grid Flag Location	09/29/2011 13:45:26	0.00660	0.01040	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02077	56.976184948	-158.653258532	30.609	Approximate Tundra Grid Flag Location	09/29/2011 13:45:26	0.00660	0.01040	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02078	56.976179814	-158.653197914	30.499	Approximate Tundra Grid Flag Location	09/29/2011 13:45:33	0.00691	0.01088	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02078	56.976179814	-158.653197914	30.499	Approximate Tundra Grid Flag Location	09/29/2011 13:45:33	0.00691	0.01088	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02079	56.976166932	-158.653181432	30.462	Approximate Tundra Grid Flag Location	09/29/2011 13:45:38	0.00591	0.00930	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02079	56.976166932	-158.653181432	30.462	Approximate Tundra Grid Flag Location	09/29/2011 13:45:38	0.00591	0.00930	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02080	56.976203837	-158.653154336	30.488	Approximate Tundra Grid Flag Location	09/29/2011 13:45:45	0.00631	0.00987	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02080	56.976203837	-158.653154336	30.488	Approximate Tundra Grid Flag Location	09/29/2011 13:45:45	0.00631	0.00987	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02081	56.976221815	-158.653228958	30.471	Approximate Tundra Grid Flag Location	09/29/2011 13:45:52	0.00723	0.01131	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02081	56.976221815	-158.653228958	30.471	Approximate Tundra Grid Flag Location	09/29/2011 13:45:52	0.00723	0.01131	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02082	56.976259067	-158.653201008	30.313	Approximate Tundra Grid Flag Location	09/29/2011 13:45:59	0.00544	0.00860	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02082	56.976259067	-158.653201008	30.313	Approximate Tundra Grid Flag Location	09/29/2011 13:45:59	0.00544	0.00860	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02083	56.976242396	-158.653129293	30.319	Approximate Tundra Grid Flag Location	09/29/2011 13:46:06	0.00794	0.01254	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02083	56.976242396	-158.653129293	30.319	Approximate Tundra Grid Flag Location	09/29/2011 13:46:06	0.00794	0.01254	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02084	56.976082041	-158.652805935	29.624	Approximate Tundra Grid Flag Location	09/29/2011 13:46:32	0.00974	0.01572	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02084	56.976082041	-158.652805935	29.624	Approximate Tundra Grid Flag Location	09/29/2011 13:46:32	0.00974	0.01572	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02085	56.976083290	-158.652759498	29.536	Approximate Tundra Grid Flag Location	09/29/2011 13:46:38	0.00651	0.01014	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02085	56.976083290	-158.652759498	29.536	Approximate Tundra Grid Flag Location	09/29/2011 13:46:38	0.00651	0.01014	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02086	56.976064450	-158.652737119	29.554	Approximate Tundra Grid Flag Location	09/29/2011 13:46:44	0.00742	0.01155	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02086	56.976064450	-158.652737119	29.554	Approximate Tundra Grid Flag Location	09/29/2011 13:46:44	0.00742	0.01155	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02087	56.976026464	-158.652769930	30.243	Approximate Tundra Grid Flag Location	09/29/2011 13:46:52	0.00616	0.00959	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02087	56.976026464	-158.652769930	30.243	Approximate Tundra Grid Flag Location	09/29/2011 13:46:52	0.00616	0.00959	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02088	56.976022187	-158.652809803	30.324	Approximate Tundra Grid Flag Location	09/29/2011 13:46:58	0.00635	0.00988	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02088	56.976022187	-158.652809803	30.324	Approximate Tundra Grid Flag Location	09/29/2011 13:46:58	0.00635	0.00988	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02089	56.976046975	-158.652844720	30.161	Approximate Tundra Grid Flag Location	09/29/2011 13:47:05	0.01029	0.01600	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAGX02089	56.976046975	-158.652844720	30.161	Approximate Tundra Grid Flag Location	09/29/2011 13:47:05	0.01029	0.01600	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02090	56.976010954	-158.652878365	30.494	Approximate Tundra Grid Flag Location	09/29/2011 13:47:13	0.00818	0.01271	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02090	56.976010954	-158.652878365	30.494	Approximate Tundra Grid Flag Location	09/29/2011 13:47:13	0.00818	0.01271	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02091	56.975988461	-158.652808264	30.462	Approximate Tundra Grid Flag Location	09/29/2011 13:47:21	0.00805	0.01240	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02091	56.975988461	-158.652808264	30.462	Approximate Tundra Grid Flag Location	09/29/2011 13:47:21	0.00805	0.01240	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02092	56.975963952	-158.652851113	30.544	Approximate Tundra Grid Flag Location	09/29/2011 13:47:28	0.00000	0.00000	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02092	56.975963952	-158.652851113	30.544	Approximate Tundra Grid Flag Location	09/29/2011 13:47:28	0.00615	0.00956	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02092	56.975963952	-158.652851113	30.544	Approximate Tundra Grid Flag Location	09/29/2011 13:47:28	0.00615	0.00956	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02092	56.975963952	-158.652851113	30.544	Approximate Tundra Grid Flag Location	09/29/2011 13:47:28	0.00615	0.00956	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02093	56.975975530	-158.652755170	30.519	Approximate Tundra Grid Flag Location	09/29/2011 13:47:37	0.00933	0.01450	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02093	56.975975530	-158.652755170	30.519	Approximate Tundra Grid Flag Location	09/29/2011 13:47:37	0.00933	0.01450	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02094	56.975915992	-158.652351077	29.673	Approximate Tundra Grid Flag Location	09/29/2011 13:48:03	0.00638	0.01027	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02094	56.975915992	-158.652351077	29.673	Approximate Tundra Grid Flag Location	09/29/2011 13:48:03	0.00638	0.01027	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02095	56.975977825	-158.652296468	29.349	Approximate Tundra Grid Flag Location	09/29/2011 13:48:14	0.00496	0.00784	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02095	56.975977825	-158.652296468	29.349	Approximate Tundra Grid Flag Location	09/29/2011 13:48:14	0.00496	0.00784	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02096	56.976011442	-158.652303226	29.315	Approximate Tundra Grid Flag Location	09/29/2011 13:48:21	0.00583	0.00902	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02096	56.976011442	-158.652303226	29.315	Approximate Tundra Grid Flag Location	09/29/2011 13:48:21	0.00583	0.00902	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02097	56.975995734	-158.652233944	29.221	Approximate Tundra Grid Flag Location	09/29/2011 13:48:28	0.00789	0.01260	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02097	56.975995734	-158.652233944	29.221	Approximate Tundra Grid Flag Location	09/29/2011 13:48:28	0.00789	0.01260	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02098	56.976033330	-158.652210767	28.837	Approximate Tundra Grid Flag Location	09/29/2011 13:48:35	0.00686	0.01059	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02098	56.976033330	-158.652210767	28.837	Approximate Tundra Grid Flag Location	09/29/2011 13:48:35	0.00686	0.01059	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02099	56.976050277	-158.652284311	29.240	Approximate Tundra Grid Flag Location	09/29/2011 13:48:43	0.00949	0.01465	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02099	56.976050277	-158.652284311	29.240	Approximate Tundra Grid Flag Location	09/29/2011 13:48:43	0.00949	0.01465	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02100	56.975987064	-158.652003459	28.528	Approximate Tundra Grid Flag Location	09/29/2011 13:48:59	0.00983	0.01585	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02100	56.975987064	-158.652003459	28.528	Approximate Tundra Grid Flag Location	09/29/2011 13:48:59	0.00983	0.01585	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02101	56.975946823	-158.651817082	28.206	Approximate Tundra Grid Flag Location	09/29/2011 13:49:12	0.00628	0.01005	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02101	56.975946823	-158.651817082	28.206	Approximate Tundra Grid Flag Location	09/29/2011 13:49:12	0.00628	0.01005	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02102	56.975929153	-158.651754397	28.110	Approximate Tundra Grid Flag Location	09/29/2011 13:49:19	0.00548	0.00859	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02102	56.975929153	-158.651754397	28.110	Approximate Tundra Grid Flag Location	09/29/2011 13:49:19	0.00548	0.00859	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02103	56.975893409	-158.651777615	28.613	Approximate Tundra Grid Flag Location	09/29/2011 13:49:27	0.00763	0.01174	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02103	56.975893409	-158.651777615	28.613	Approximate Tundra Grid Flag Location	09/29/2011 13:49:27	0.00763	0.01174	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02104	56.975910974	-158.651838157	28.702	Approximate Tundra Grid Flag Location	09/29/2011 13:49:34	0.00890	0.01342	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02104	56.975910974	-158.651838157	28.702	Approximate Tundra Grid Flag Location	09/29/2011 13:49:34	0.00890	0.01342	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02105	56.975874785	-158.651869317	28.957	Approximate Tundra Grid Flag Location	09/29/2011 13:49:42	0.00520	0.00784	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02105	56.975874785	-158.651869317	28.957	Approximate Tundra Grid Flag Location	09/29/2011 13:49:42	0.00520	0.00784	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02106	56.975873069	-158.651828448	28.938	Approximate Tundra Grid Flag Location	09/29/2011 13:49:48	0.00507	0.00750	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02106	56.975873069	-158.651828448	28.938	Approximate Tundra Grid Flag Location	09/29/2011 13:49:48	0.00507	0.00750	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02107	56.975853811	-158.651807146	28.818	Approximate Tundra Grid Flag Location	09/29/2011 13:49:54	0.00527	0.00780	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02107	56.975853811	-158.651807146	28.818	Approximate Tundra Grid Flag Location	09/29/2011 13:49:54	0.00527	0.00780	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02108	56.975816971	-158.651837614	28.882	Approximate Tundra Grid Flag Location	09/29/2011 13:50:01	0.00513	0.00788	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02108	56.975816971	-158.651837614	28.882	Approximate Tundra Grid Flag Location	09/29/2011 13:50:01	0.00513	0.00788	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02109	56.975811276	-158.651875220	28.947	Approximate Tundra Grid Flag Location	09/29/2011 13:50:07	0.00539	0.00827	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02109	56.975811276	-158.651875220	28.947	Approximate Tundra Grid Flag Location	09/29/2011 13:50:07	0.00539	0.00827	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02110	56.975836379	-158.651899288	28.942	Approximate Tundra Grid Flag Location	09/29/2011 13:50:13	0.00677	0.01038	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02110	56.975836379	-158.651899288	28.942	Approximate Tundra Grid Flag Location	09/29/2011 13:50:13	0.00677	0.01038	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02111	56.975851905	-158.651973773	29.025	Approximate Tundra Grid Flag Location	09/29/2011 13:50:21	0.00832	0.01275	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02111	56.975851905	-158.651973773	29.025	Approximate Tundra Grid Flag Location	09/29/2011 13:50:21	0.00832	0.01275	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02112	56.975801360	-158.651769408	28.802	Approximate Tundra Grid Flag Location	09/29/2011 13:50:34	0.00609	0.00951	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02112	56.975801360	-158.651769408	28.802	Approximate Tundra Grid Flag Location	09/29/2011 13:50:34	0.00609	0.00951	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02113	56.975877046	-158.651709138	28.369	Approximate Tundra Grid Flag Location	09/29/2011 13:50:43	0.00785	0.01222	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02113	56.975877046	-158.651709138	28.369	Approximate Tundra Grid Flag Location	09/29/2011 13:50:43	0.00785	0.01222	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02114	56.975860294	-158.651638069	28.240	Approximate Tundra Grid Flag Location	09/29/2011 13:50:51	0.00535	0.00787	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02114	56.975860294	-158.651638069	28.240	Approximate Tundra Grid Flag Location	09/29/2011 13:50:51	0.00535	0.00787	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02115	56.975833822	-158.651523743	28.201	Approximate Tundra Grid Flag Location	09/29/2011 13:51:00	0.00570	0.00838	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02115	56.975833822	-158.651523743	28.201	Approximate Tundra Grid Flag Location	09/29/2011 13:51:00	0.00570	0.00838	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02116	56.975818213	-158.651458551	28.169	Approximate Tundra Grid Flag Location	09/29/2011 13:51:07	0.00574	0.00843	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02116	56.975818213	-158.651458551	28.169	Approximate Tundra Grid Flag Location	09/29/2011 13:51:07	0.00574	0.00843	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAGX02117	56.975801998	-158.651382881	28.058	Approximate Tundra Grid Flag Location	09/29/2011 13:51:15	0.00746	0.01094	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02117	56.975801998	-158.651382881	28.058	Approximate Tundra Grid Flag Location	09/29/2011 13:51:15	0.00746	0.01094	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02118	56.975765093	-158.651377315	28.407	Approximate Tundra Grid Flag Location	09/29/2011 13:51:22	0.00578	0.00848	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02118	56.975765093	-158.651377315	28.407	Approximate Tundra Grid Flag Location	09/29/2011 13:51:22	0.00578	0.00848	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02119	56.975705795	-158.651414799	28.477	Approximate Tundra Grid Flag Location	09/29/2011 13:51:30	0.01038	0.01520	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02119	56.975705795	-158.651414799	28.477	Approximate Tundra Grid Flag Location	09/29/2011 13:51:30	0.01038	0.01520	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02120	56.975785147	-158.651306477	27.901	Approximate Tundra Grid Flag Location	09/29/2011 13:51:43	0.00918	0.01339	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02120	56.975785147	-158.651306477	27.901	Approximate Tundra Grid Flag Location	09/29/2011 13:51:43	0.00918	0.01339	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02121	56.975822189	-158.651284426	27.448	Approximate Tundra Grid Flag Location	09/29/2011 13:51:50	0.00529	0.00772	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02121	56.975822189	-158.651284426	27.448	Approximate Tundra Grid Flag Location	09/29/2011 13:51:50	0.00529	0.00772	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02122	56.975838864	-158.651353359	27.673	Approximate Tundra Grid Flag Location	09/29/2011 13:51:58	0.00610	0.00886	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02122	56.975838864	-158.651353359	27.673	Approximate Tundra Grid Flag Location	09/29/2011 13:51:58	0.00610	0.00886	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02123	56.975735004	-158.650889780	26.266	Approximate Tundra Grid Flag Location	09/29/2011 13:52:25	0.00603	0.00889	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02123	56.975735004	-158.650889780	26.266	Approximate Tundra Grid Flag Location	09/29/2011 13:52:25	0.00603	0.00889	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02124	56.975718441	-158.650822358	26.084	Approximate Tundra Grid Flag Location	09/29/2011 13:52:32	0.00766	0.01131	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02124	56.975718441	-158.650822358	26.084	Approximate Tundra Grid Flag Location	09/29/2011 13:52:32	0.00766	0.01131	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02125	56.975680612	-158.650849995	26.399	Approximate Tundra Grid Flag Location	09/29/2011 13:52:39	0.00677	0.00979	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02125	56.975680612	-158.650849995	26.399	Approximate Tundra Grid Flag Location	09/29/2011 13:52:39	0.00677	0.00979	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02126	56.975699156	-158.650923680	26.477	Approximate Tundra Grid Flag Location	09/29/2011 13:52:46	0.00672	0.00971	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02126	56.975699156	-158.650923680	26.477	Approximate Tundra Grid Flag Location	09/29/2011 13:52:46	0.00672	0.00971	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02127	56.975660031	-158.650896996	26.426	Approximate Tundra Grid Flag Location	09/29/2011 13:52:53	0.00603	0.00871	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02127	56.975660031	-158.650896996	26.426	Approximate Tundra Grid Flag Location	09/29/2011 13:52:53	0.00603	0.00871	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02128	56.975601974	-158.650959637	26.477	Approximate Tundra Grid Flag Location	09/29/2011 13:53:03	0.01098	0.01585	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02128	56.975601974	-158.650959637	26.477	Approximate Tundra Grid Flag Location	09/29/2011 13:53:03	0.01098	0.01585	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02129	56.975518182	-158.650719688	25.211	Approximate Tundra Grid Flag Location	09/29/2011 13:53:18	0.00857	0.01222	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02129	56.975518182	-158.650719688	25.211	Approximate Tundra Grid Flag Location	09/29/2011 13:53:18	0.00857	0.01222	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02130	56.975594219	-158.650673271	25.460	Approximate Tundra Grid Flag Location	09/29/2011 13:53:28	0.00711	0.01016	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02130	56.975594219	-158.650673271	25.460	Approximate Tundra Grid Flag Location	09/29/2011 13:53:28	0.00711	0.01016	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02131	56.975570001	-158.650550071	24.967	Approximate Tundra Grid Flag Location	09/29/2011 13:53:38	0.01019	0.01495	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02131	56.975570001	-158.650550071	24.967	Approximate Tundra Grid Flag Location	09/29/2011 13:53:38	0.01019	0.01495	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02132	56.975494863	-158.650603612	24.891	Approximate Tundra Grid Flag Location	09/29/2011 13:53:48	0.00525	0.00776	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02132	56.975494863	-158.650603612	24.891	Approximate Tundra Grid Flag Location	09/29/2011 13:53:48	0.00525	0.00776	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02133	56.975480208	-158.650539885	24.725	Approximate Tundra Grid Flag Location	09/29/2011 13:53:55	0.00617	0.00878	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02133	56.975480208	-158.650539885	24.725	Approximate Tundra Grid Flag Location	09/29/2011 13:53:55	0.00617	0.00878	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02134	56.975467133	-158.650480175	24.623	Approximate Tundra Grid Flag Location	09/29/2011 13:54:02	0.00602	0.00852	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02134	56.975467133	-158.650480175	24.623	Approximate Tundra Grid Flag Location	09/29/2011 13:54:02	0.00602	0.00852	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02135	56.975432100	-158.650321747	24.367	Approximate Tundra Grid Flag Location	09/29/2011 13:54:15	0.00637	0.00904	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02135	56.975432100	-158.650321747	24.367	Approximate Tundra Grid Flag Location	09/29/2011 13:54:15	0.00637	0.00904	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02136	56.975413955	-158.650258328	24.254	Approximate Tundra Grid Flag Location	09/29/2011 13:54:23	0.00580	0.00826	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02136	56.975413955	-158.650258328	24.254	Approximate Tundra Grid Flag Location	09/29/2011 13:54:23	0.00580	0.00826	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02137	56.975504133	-158.650441149	24.530	Approximate Tundra Grid Flag Location	09/29/2011 13:54:37	0.00765	0.01085	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02137	56.975504133	-158.650441149	24.530	Approximate Tundra Grid Flag Location	09/29/2011 13:54:37	0.00765	0.01085	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02138	56.975494906	-158.650469654	24.657	Approximate Tundra Grid Flag Location	09/29/2011 13:54:42	0.00658	0.00932	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02138	56.975494906	-158.650469654	24.657	Approximate Tundra Grid Flag Location	09/29/2011 13:54:42	0.00658	0.00932	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02139	56.975514867	-158.650502824	24.691	Approximate Tundra Grid Flag Location	09/29/2011 13:54:49	0.00776	0.01094	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02139	56.975514867	-158.650502824	24.691	Approximate Tundra Grid Flag Location	09/29/2011 13:54:49	0.00776	0.01094	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02140	56.975551767	-158.650475514	24.763	Approximate Tundra Grid Flag Location	09/29/2011 13:54:56	0.00586	0.00826	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02140	56.975551767	-158.650475514	24.763	Approximate Tundra Grid Flag Location	09/29/2011 13:54:56	0.00586	0.00826	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02141	56.975559686	-158.650435773	24.681	Approximate Tundra Grid Flag Location	09/29/2011 13:55:01	0.00731	0.01029	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02141	56.975559686	-158.650435773	24.681	Approximate Tundra Grid Flag Location	09/29/2011 13:55:01	0.00731	0.01029	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02142	56.975537453	-158.650400510	24.471	Approximate Tundra Grid Flag Location	09/29/2011 13:55:07	0.00675	0.00954	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02142	56.975537453	-158.650400510	24.471	Approximate Tundra Grid Flag Location	09/29/2011 13:55:07	0.00675	0.00954	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02143	56.975576927	-158.650384310	24.730	Approximate Tundra Grid Flag Location	09/29/2011 13:55:16	0.00895	0.01265	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02143	56.975576927	-158.650384310	24.730	Approximate Tundra Grid Flag Location	09/29/2011 13:55:16	0.00895	0.01265	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02144	56.975590779	-158.650446573	24.890	Approximate Tundra Grid Flag Location	09/29/2011 13:55:24	0.00617	0.00871	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02144	56.975590779	-158.650446573	24.890	Approximate Tundra Grid Flag Location	09/29/2011 13:55:24	0.00617	0.00871	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02145	56.975629078	-158.650420208	24.939	Approximate Tundra Grid Flag Location	09/29/2011 13:55:31	0.00873	0.01231	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAGX02145	56.975629078	-158.650420208	24.939	Approximate Tundra Grid Flag Location	09/29/2011 13:55:31	0.00873	0.01231	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02146	56.975612856	-158.650354290	24.885	Approximate Tundra Grid Flag Location	09/29/2011 13:55:38	0.00578	0.00815	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02146	56.975612856	-158.650354290	24.885	Approximate Tundra Grid Flag Location	09/29/2011 13:55:38	0.00578	0.00815	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02147	56.975568729	-158.650152603	24.362	Approximate Tundra Grid Flag Location	09/29/2011 13:55:52	0.00638	0.00899	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02147	56.975568729	-158.650152603	24.362	Approximate Tundra Grid Flag Location	09/29/2011 13:55:52	0.00638	0.00899	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02148	56.975529234	-158.650169956	24.199	Approximate Tundra Grid Flag Location	09/29/2011 13:55:59	0.00695	0.00979	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02148	56.975529234	-158.650169956	24.199	Approximate Tundra Grid Flag Location	09/29/2011 13:55:59	0.00695	0.00979	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02149	56.975490331	-158.650201757	23.864	Approximate Tundra Grid Flag Location	09/29/2011 13:56:06	0.01081	0.01521	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGX02149	56.975490331	-158.650201757	23.864	Approximate Tundra Grid Flag Location	09/29/2011 13:56:06	0.01081	0.01521	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0001	56.958709477	-158.641029087	22.868	Approximate Tundra Grid Flag Location	10/04/2011 08:50:51	0.00540	0.00850	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0001	56.958709477	-158.641029087	22.868	Approximate Tundra Grid Flag Location	10/04/2011 08:50:51	0.00540	0.00850	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0002	56.958673089	-158.640935075	22.850	Approximate Tundra Grid Flag Location	10/04/2011 08:51:07	0.00665	0.01045	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0002	56.958673089	-158.640935075	22.850	Approximate Tundra Grid Flag Location	10/04/2011 08:51:07	0.00665	0.01045	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0003	56.958626286	-158.640836345	22.922	Approximate Tundra Grid Flag Location	10/04/2011 08:51:25	0.00617	0.00969	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0003	56.958626286	-158.640836345	22.922	Approximate Tundra Grid Flag Location	10/04/2011 08:51:25	0.00617	0.00969	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0004	56.958582936	-158.640740537	22.923	Approximate Tundra Grid Flag Location	10/04/2011 08:52:07	0.00818	0.01293	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0004	56.958582936	-158.640740537	22.923	Approximate Tundra Grid Flag Location	10/04/2011 08:52:07	0.00818	0.01293	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0005	56.958538057	-158.640639007	22.916	Approximate Tundra Grid Flag Location	10/04/2011 08:52:26	0.00584	0.00921	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0005	56.958538057	-158.640639007	22.916	Approximate Tundra Grid Flag Location	10/04/2011 08:52:26	0.00584	0.00921	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0006	56.958644226	-158.640040321	23.549	Approximate Tundra Grid Flag Location	10/04/2011 09:02:32	0.00658	0.00978	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0006	56.958644226	-158.640040321	23.549	Approximate Tundra Grid Flag Location	10/04/2011 09:02:32	0.00658	0.00978	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0007	56.958693646	-158.640122249	23.687	Approximate Tundra Grid Flag Location	10/04/2011 09:02:52	0.00726	0.01110	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0007	56.958693646	-158.640122249	23.687	Approximate Tundra Grid Flag Location	10/04/2011 09:02:52	0.00726	0.01110	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0008	56.958901422	-158.639695760	23.119	Approximate Tundra Grid Flag Location	10/04/2011 09:04:05	0.00697	0.01086	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0008	56.958901422	-158.639695760	23.119	Approximate Tundra Grid Flag Location	10/04/2011 09:04:05	0.00697	0.01086	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0009	56.958845893	-158.639622649	23.203	Approximate Tundra Grid Flag Location	10/04/2011 09:04:24	0.00569	0.00891	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0009	56.958845893	-158.639622649	23.203	Approximate Tundra Grid Flag Location	10/04/2011 09:04:24	0.00569	0.00891	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0010	56.959014879	-158.639251598	23.796	Approximate Tundra Grid Flag Location	10/04/2011 09:05:22	0.00613	0.00970	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0010	56.959014879	-158.639251598	23.796	Approximate Tundra Grid Flag Location	10/04/2011 09:05:22	0.00613	0.00970	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0011	56.959051818	-158.639358525	23.714	Approximate Tundra Grid Flag Location	10/04/2011 09:05:44	0.00614	0.00941	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0011	56.959051818	-158.639358525	23.714	Approximate Tundra Grid Flag Location	10/04/2011 09:05:44	0.00614	0.00941	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0012	56.968375065	-158.640079838	30.301	Approximate Tundra Grid Flag Location	10/04/2011 09:16:08	0.00542	0.00826	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0012	56.968375065	-158.640079838	30.301	Approximate Tundra Grid Flag Location	10/04/2011 09:16:08	0.00542	0.00826	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0013	56.968329864	-158.640080802	30.602	Approximate Tundra Grid Flag Location	10/04/2011 09:16:27	0.00565	0.00860	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0013	56.968329864	-158.640080802	30.602	Approximate Tundra Grid Flag Location	10/04/2011 09:16:27	0.00565	0.00860	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0014	56.968291023	-158.640074908	30.705	Approximate Tundra Grid Flag Location	10/04/2011 09:16:50	0.00570	0.00862	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0014	56.968291023	-158.640074908	30.705	Approximate Tundra Grid Flag Location	10/04/2011 09:16:50	0.00570	0.00862	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0015	56.968247149	-158.640067506	30.908	Approximate Tundra Grid Flag Location	10/04/2011 09:17:11	0.00905	0.00969	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0015	56.968247149	-158.640067506	30.908	Approximate Tundra Grid Flag Location	10/04/2011 09:17:11	0.00905	0.00969	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0016	56.968207476	-158.640060803	30.974	Approximate Tundra Grid Flag Location	10/04/2011 09:17:32	0.00792	0.00972	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0016	56.968207476	-158.640060803	30.974	Approximate Tundra Grid Flag Location	10/04/2011 09:17:32	0.00792	0.00972	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0017	56.968166983	-158.640057998	31.118	Approximate Tundra Grid Flag Location	10/04/2011 09:17:55	0.01238	0.01449	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0017	56.968166983	-158.640057998	31.118	Approximate Tundra Grid Flag Location	10/04/2011 09:17:55	0.01238	0.01449	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0018	56.968128499	-158.640054195	31.096	Approximate Tundra Grid Flag Location	10/04/2011 09:18:12	0.01205	0.01200	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0018	56.968128499	-158.640054195	31.096	Approximate Tundra Grid Flag Location	10/04/2011 09:18:12	0.01205	0.01200	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0019	56.968095956	-158.640048073	31.052	Approximate Tundra Grid Flag Location	10/04/2011 09:18:38	0.00632	0.00841	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0019	56.968095956	-158.640048073	31.052	Approximate Tundra Grid Flag Location	10/04/2011 09:18:38	0.00632	0.00841	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0020	56.968020266	-158.640033157	31.433	Approximate Tundra Grid Flag Location	10/04/2011 09:19:03	0.00690	0.00918	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0020	56.968020266	-158.640033157	31.433	Approximate Tundra Grid Flag Location	10/04/2011 09:19:03	0.00690	0.00918	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0021	56.967976888	-158.640026969	31.407	Approximate Tundra Grid Flag Location	10/04/2011 09:19:20	0.00714	0.00949	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0021	56.967976888	-158.640026969	31.407	Approximate Tundra Grid Flag Location	10/04/2011 09:19:20	0.00714	0.00949	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0022	56.967930986	-158.640018311	31.503	Approximate Tundra Grid Flag Location	10/04/2011 09:19:39	0.00630	0.00837	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0022	56.967930986	-158.640018311	31.503	Approximate Tundra Grid Flag Location	10/04/2011 09:19:39	0.00630	0.00837	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0023	56.967891674	-158.640009682	31.463	Approximate Tundra Grid Flag Location	10/04/2011 09:19:53	0.00693	0.00921	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0023	56.967891674	-158.640009682	31.463	Approximate Tundra Grid Flag Location	10/04/2011 09:19:53	0.00693	0.00921	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0024	56.967855049	-158.640004746	31.443	Approximate Tundra Grid Flag Location	10/04/2011 09:20:08	0.00908	0.01205	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0024	56.967855049	-158.640004746	31.443	Approximate Tundra Grid Flag Location	10/04/2011 09:20:08	0.00908	0.01205	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAGW0025	56.967830514	-158.639998952	31.385	Approximate Tundra Grid Flag Location	10/04/2011 09:20:21	0.00845	0.01121	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0025	56.967830514	-158.639998952	31.385	Approximate Tundra Grid Flag Location	10/04/2011 09:20:21	0.00845	0.01121	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0026	56.967793806	-158.639984070	31.578	Approximate Tundra Grid Flag Location	10/04/2011 09:20:37	0.00704	0.00933	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0026	56.967793806	-158.639984070	31.578	Approximate Tundra Grid Flag Location	10/04/2011 09:20:37	0.00704	0.00933	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0027	56.967754490	-158.639972393	31.750	Approximate Tundra Grid Flag Location	10/04/2011 09:20:54	0.00745	0.00988	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0027	56.967754490	-158.639972393	31.750	Approximate Tundra Grid Flag Location	10/04/2011 09:20:54	0.00745	0.00988	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0028	56.967709543	-158.639962103	31.992	Approximate Tundra Grid Flag Location	10/04/2011 09:21:15	0.00900	0.01193	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0028	56.967709543	-158.639962103	31.992	Approximate Tundra Grid Flag Location	10/04/2011 09:21:15	0.00900	0.01193	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0029	56.967674390	-158.639951470	32.023	Approximate Tundra Grid Flag Location	10/04/2011 09:21:31	0.00722	0.00957	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0029	56.967674390	-158.639951470	32.023	Approximate Tundra Grid Flag Location	10/04/2011 09:21:31	0.00722	0.00957	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0030	56.967633817	-158.639938508	32.091	Approximate Tundra Grid Flag Location	10/04/2011 09:21:50	0.00725	0.00960	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0030	56.967633817	-158.639938508	32.091	Approximate Tundra Grid Flag Location	10/04/2011 09:21:50	0.00725	0.00960	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0031	56.967592054	-158.639929209	32.343	Approximate Tundra Grid Flag Location	10/04/2011 09:22:06	0.00753	0.00997	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0031	56.967592054	-158.639929209	32.343	Approximate Tundra Grid Flag Location	10/04/2011 09:22:06	0.00753	0.00997	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0032	56.967553711	-158.639907640	32.505	Approximate Tundra Grid Flag Location	10/04/2011 09:22:23	0.00730	0.00966	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0032	56.967553711	-158.639907640	32.505	Approximate Tundra Grid Flag Location	10/04/2011 09:22:23	0.00730	0.00966	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0033	56.967521409	-158.639889463	32.632	Approximate Tundra Grid Flag Location	10/04/2011 09:22:41	0.00753	0.00996	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0033	56.967521409	-158.639889463	32.632	Approximate Tundra Grid Flag Location	10/04/2011 09:22:41	0.00753	0.00996	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0034	56.967483795	-158.639872894	32.675	Approximate Tundra Grid Flag Location	10/04/2011 09:22:57	0.00656	0.00868	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0034	56.967483795	-158.639872894	32.675	Approximate Tundra Grid Flag Location	10/04/2011 09:22:57	0.00656	0.00868	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0035	56.967442843	-158.639856093	32.561	Approximate Tundra Grid Flag Location	10/04/2011 09:23:13	0.00592	0.00783	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0035	56.967442843	-158.639856093	32.561	Approximate Tundra Grid Flag Location	10/04/2011 09:23:13	0.00592	0.00783	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0036	56.967401783	-158.639831516	32.426	Approximate Tundra Grid Flag Location	10/04/2011 09:23:30	0.00693	0.00916	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0036	56.967401783	-158.639831516	32.426	Approximate Tundra Grid Flag Location	10/04/2011 09:23:30	0.00693	0.00916	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0037	56.967363483	-158.639812576	32.398	Approximate Tundra Grid Flag Location	10/04/2011 09:23:45	0.00748	0.00989	Decimal Degrees	WGS 1984	Meters	Meters</

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAGW0053	56.966763729	-158.639426988	29.544	Approximate Tundra Grid Flag Location	10/04/2011 09:29:21	0.00673	0.00889	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0054	56.966743057	-158.639413110	29.302	Approximate Tundra Grid Flag Location	10/04/2011 09:29:39	0.00989	0.01307	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0054	56.966743057	-158.639413110	29.302	Approximate Tundra Grid Flag Location	10/04/2011 09:29:39	0.00989	0.01307	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0055	56.966702494	-158.639389307	29.298	Approximate Tundra Grid Flag Location	10/04/2011 09:29:57	0.00673	0.00890	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0055	56.966702494	-158.639389307	29.298	Approximate Tundra Grid Flag Location	10/04/2011 09:29:57	0.00673	0.00890	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0056	56.966664018	-158.639364314	29.054	Approximate Tundra Grid Flag Location	10/04/2011 09:30:15	0.00823	0.01089	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0056	56.966664018	-158.639364314	29.054	Approximate Tundra Grid Flag Location	10/04/2011 09:30:15	0.00823	0.01089	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0057	56.966612693	-158.639444854	28.034	Approximate Tundra Grid Flag Location	10/04/2011 09:31:03	0.00726	0.00996	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0057	56.966612693	-158.639444854	28.034	Approximate Tundra Grid Flag Location	10/04/2011 09:31:03	0.00726	0.00996	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0058	56.966608079	-158.639405829	28.441	Approximate Tundra Grid Flag Location	10/04/2011 09:31:38	0.00930	0.01278	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0058	56.966608079	-158.639405829	28.441	Approximate Tundra Grid Flag Location	10/04/2011 09:31:38	0.00930	0.01278	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0059	56.966594616	-158.639473424	27.879	Approximate Tundra Grid Flag Location	10/04/2011 09:31:56	0.00842	0.01158	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0059	56.966594616	-158.639473424	27.879	Approximate Tundra Grid Flag Location	10/04/2011 09:31:56	0.00842	0.01158	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0060	56.966582001	-158.639546838	27.717	Approximate Tundra Grid Flag Location	10/04/2011 09:32:12	0.00676	0.00946	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0060	56.966582001	-158.639546838	27.717	Approximate Tundra Grid Flag Location	10/04/2011 09:32:12	0.00676	0.00946	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0061	56.966571049	-158.639554893	27.769	Approximate Tundra Grid Flag Location	10/04/2011 09:32:21	0.00837	0.01151	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0061	56.966571049	-158.639554893	27.769	Approximate Tundra Grid Flag Location	10/04/2011 09:32:21	0.00837	0.01151	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0062	56.966566761	-158.639617622	27.511	Approximate Tundra Grid Flag Location	10/04/2011 09:32:33	0.00698	0.00960	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0062	56.966566761	-158.639617622	27.511	Approximate Tundra Grid Flag Location	10/04/2011 09:32:33	0.00698	0.00960	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0063	56.966571503	-158.639693412	27.199	Approximate Tundra Grid Flag Location	10/04/2011 09:32:49	0.01205	0.01688	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0063	56.966571503	-158.639693412	27.199	Approximate Tundra Grid Flag Location	10/04/2011 09:32:49	0.01205	0.01688	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0064	56.966554201	-158.639802134	26.914	Approximate Tundra Grid Flag Location	10/04/2011 09:33:06	0.00655	0.00918	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0064	56.966554201	-158.639802134	26.914	Approximate Tundra Grid Flag Location	10/04/2011 09:33:06	0.00655	0.00918	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0065	56.966596899	-158.639700707	27.116	Approximate Tundra Grid Flag Location	10/04/2011 09:33:33	0.00620	0.00861	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0065	56.966596899	-158.639700707	27.116	Approximate Tundra Grid Flag Location	10/04/2011 09:33:33	0.00620	0.00861	Decimal Degrees	WGS 1984	Meters	Meters</

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAGW0082	56.967124815	-158.639756444	32.339	Approximate Tundra Grid Flag Location	10/04/2011 09:39:51	0.01242	0.01432	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0082	56.967124815	-158.639756444	32.339	Approximate Tundra Grid Flag Location	10/04/2011 09:39:51	0.01242	0.01432	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0083	56.967122209	-158.639807953	32.000	Approximate Tundra Grid Flag Location	10/04/2011 09:40:04	0.00870	0.01077	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0083	56.967122209	-158.639807953	32.000	Approximate Tundra Grid Flag Location	10/04/2011 09:40:04	0.00870	0.01077	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0084	56.967103802	-158.639900429	31.450	Approximate Tundra Grid Flag Location	10/04/2011 09:40:26	0.00927	0.01161	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0084	56.967103802	-158.639900429	31.450	Approximate Tundra Grid Flag Location	10/04/2011 09:40:26	0.00927	0.01161	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0085	56.967115976	-158.639928656	31.280	Approximate Tundra Grid Flag Location	10/04/2011 09:40:39	0.00764	0.00949	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0085	56.967115976	-158.639928656	31.280	Approximate Tundra Grid Flag Location	10/04/2011 09:40:39	0.00764	0.00949	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0086	56.967141644	-158.639924556	31.674	Approximate Tundra Grid Flag Location	10/04/2011 09:40:51	0.01023	0.01271	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0086	56.967141644	-158.639924556	31.674	Approximate Tundra Grid Flag Location	10/04/2011 09:40:51	0.01023	0.01271	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0087	56.967159640	-158.639859390	31.952	Approximate Tundra Grid Flag Location	10/04/2011 09:41:07	0.01355	0.01686	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0087	56.967159640	-158.639859390	31.952	Approximate Tundra Grid Flag Location	10/04/2011 09:41:07	0.01355	0.01686	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0088	56.967170114	-158.639781391	31.941	Approximate Tundra Grid Flag Location	10/04/2011 09:41:22	0.00723	0.00907	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0088	56.967170114	-158.639781391	31.941	Approximate Tundra Grid Flag Location	10/04/2011 09:41:22	0.00723	0.00907	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0089	56.967242426	-158.639825732	31.826	Approximate Tundra Grid Flag Location	10/04/2011 09:42:09	0.01293	0.01618	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0089	56.967242426	-158.639825732	31.826	Approximate Tundra Grid Flag Location	10/04/2011 09:42:09	0.01293	0.01618	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0090	56.967270583	-158.639842449	31.954	Approximate Tundra Grid Flag Location	10/04/2011 09:42:23	0.00940	0.01177	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0090	56.967270583	-158.639842449	31.954	Approximate Tundra Grid Flag Location	10/04/2011 09:42:23	0.00940	0.01177	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0091	56.967308667	-158.639859053	32.177	Approximate Tundra Grid Flag Location	10/04/2011 09:42:38	0.00881	0.01027	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0091	56.967308667	-158.639859053	32.177	Approximate Tundra Grid Flag Location	10/04/2011 09:42:38	0.00881	0.01027	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0092	56.967388210	-158.639903869	32.228	Approximate Tundra Grid Flag Location	10/04/2011 09:43:00	0.01006	0.01035	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0092	56.967388210	-158.639903869	32.228	Approximate Tundra Grid Flag Location	10/04/2011 09:43:00	0.01006	0.01035	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0093	56.967380149	-158.639976657	31.757	Approximate Tundra Grid Flag Location	10/04/2011 09:43:17	0.00807	0.01017	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0093	56.967380149	-158.639976657	31.757	Approximate Tundra Grid Flag Location	10/04/2011 09:43:17	0.00807	0.01017	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0094	56.967408321	-158.639970562	31.763	Approximate Tundra Grid Flag Location	10/04/2011 09:43:30	0.01171	0.01476	Decimal Degrees	WGS 1984	Meters	Meters</

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAGW0110	56.967705199	-158.640032488	31.772	Approximate Tundra Grid Flag Location	10/04/2011 09:47:54	0.00584	0.00870	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0111	56.967745345	-158.640044574	31.459	Approximate Tundra Grid Flag Location	10/04/2011 09:48:10	0.01003	0.01389	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0111	56.967745345	-158.640044574	31.459	Approximate Tundra Grid Flag Location	10/04/2011 09:48:10	0.01003	0.01389	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0112	56.967785166	-158.640055182	31.276	Approximate Tundra Grid Flag Location	10/04/2011 09:48:25	0.00647	0.00936	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0112	56.967785166	-158.640055182	31.276	Approximate Tundra Grid Flag Location	10/04/2011 09:48:25	0.00647	0.00936	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0113	56.967821728	-158.640071891	31.226	Approximate Tundra Grid Flag Location	10/04/2011 09:48:38	0.00682	0.00981	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0113	56.967821728	-158.640071891	31.226	Approximate Tundra Grid Flag Location	10/04/2011 09:48:38	0.00682	0.00981	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0114	56.967845923	-158.640078017	31.192	Approximate Tundra Grid Flag Location	10/04/2011 09:48:52	0.01088	0.01564	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0114	56.967845923	-158.640078017	31.192	Approximate Tundra Grid Flag Location	10/04/2011 09:48:52	0.01088	0.01564	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0115	56.967881811	-158.640083024	31.233	Approximate Tundra Grid Flag Location	10/04/2011 09:49:05	0.00534	0.00768	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0115	56.967881811	-158.640083024	31.233	Approximate Tundra Grid Flag Location	10/04/2011 09:49:05	0.00534	0.00768	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0116	56.967920325	-158.640089839	30.976	Approximate Tundra Grid Flag Location	10/04/2011 09:49:18	0.00621	0.00852	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0116	56.967920325	-158.640089839	30.976	Approximate Tundra Grid Flag Location	10/04/2011 09:49:18	0.00621	0.00852	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0117	56.967969935	-158.640099350	31.560	Approximate Tundra Grid Flag Location	10/04/2011 09:49:36	0.00813	0.01174	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0117	56.967969935	-158.640099350	31.560	Approximate Tundra Grid Flag Location	10/04/2011 09:49:36	0.00813	0.01174	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0118	56.967962362	-158.640145080	30.880	Approximate Tundra Grid Flag Location	10/04/2011 09:49:54	0.00586	0.00832	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0118	56.967962362	-158.640145080	30.880	Approximate Tundra Grid Flag Location	10/04/2011 09:49:54	0.00586	0.00832	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0119	56.967957224	-158.640171726	30.661	Approximate Tundra Grid Flag Location	10/04/2011 09:50:08	0.01068	0.01488	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0119	56.967957224	-158.640171726	30.661	Approximate Tundra Grid Flag Location	10/04/2011 09:50:08	0.01068	0.01488	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0120	56.967950801	-158.640249473	30.118	Approximate Tundra Grid Flag Location	10/04/2011 09:50:29	0.00606	0.00873	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0120	56.967950801	-158.640249473	30.118	Approximate Tundra Grid Flag Location	10/04/2011 09:50:29	0.00606	0.00873	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0121	56.967943614	-158.640241475	30.188	Approximate Tundra Grid Flag Location	10/04/2011 09:50:37	0.00849	0.01231	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0121	56.967943614	-158.640241475	30.188	Approximate Tundra Grid Flag Location	10/04/2011 09:50:37	0.00849	0.01231	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0122	56.967996206	-158.640254555	30.634	Approximate Tundra Grid Flag Location	10/04/2011 09:50:58	0.00852	0.01235	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0122	56.967996206	-158.640254555	30.634	Approximate Tundra Grid Flag Location	10/04/2011 09:50:58	0.00852	0.01235	Decimal Degrees	WGS 1984	Meters	Meters</

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAGW0139	56.968275605	-158.640220299	30.392	Approximate Tundra Grid Flag Location	10/04/2011 09:56:00	0.00595	0.00863	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0139	56.968275605	-158.640220299	30.392	Approximate Tundra Grid Flag Location	10/04/2011 09:56:00	0.00595	0.00863	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0140	56.968313115	-158.640225693	30.241	Approximate Tundra Grid Flag Location	10/04/2011 09:56:13	0.00685	0.00994	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0140	56.968313115	-158.640225693	30.241	Approximate Tundra Grid Flag Location	10/04/2011 09:56:13	0.00685	0.00994	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0141	56.968355693	-158.640223252	30.019	Approximate Tundra Grid Flag Location	10/04/2011 09:56:37	0.00627	0.00910	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0141	56.968355693	-158.640223252	30.019	Approximate Tundra Grid Flag Location	10/04/2011 09:56:37	0.00627	0.00910	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0142	56.966622966	-158.639334190	28.714	Approximate Tundra Grid Flag Location	10/04/2011 10:18:07	0.00551	0.00860	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0142	56.966622966	-158.639334190	28.714	Approximate Tundra Grid Flag Location	10/04/2011 10:18:07	0.00551	0.00860	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0143	56.966585379	-158.639308427	28.336	Approximate Tundra Grid Flag Location	10/04/2011 10:18:21	0.00913	0.01425	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0143	56.966585379	-158.639308427	28.336	Approximate Tundra Grid Flag Location	10/04/2011 10:18:21	0.00913	0.01425	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0144	56.966548156	-158.639284346	27.876	Approximate Tundra Grid Flag Location	10/04/2011 10:18:34	0.00529	0.00825	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0144	56.966548156	-158.639284346	27.876	Approximate Tundra Grid Flag Location	10/04/2011 10:18:34	0.00529	0.00825	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0145	56.966507255	-158.639248513	27.538	Approximate Tundra Grid Flag Location	10/04/2011 10:18:47	0.00758	0.01184	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0145	56.966507255	-158.639248513	27.538	Approximate Tundra Grid Flag Location	10/04/2011 10:18:47	0.00758	0.01184	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0146	56.966491410	-158.639238842	27.358	Approximate Tundra Grid Flag Location	10/04/2011 10:18:58	0.00725	0.01133	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0146	56.966491410	-158.639238842	27.358	Approximate Tundra Grid Flag Location	10/04/2011 10:18:58	0.00725	0.01133	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0147	56.966454488	-158.639208761	27.266	Approximate Tundra Grid Flag Location	10/04/2011 10:19:10	0.00654	0.01005	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0147	56.966454488	-158.639208761	27.266	Approximate Tundra Grid Flag Location	10/04/2011 10:19:10	0.00654	0.01005	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0148	56.966413513	-158.639180960	26.943	Approximate Tundra Grid Flag Location	10/04/2011 10:19:24	0.00617	0.00951	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0148	56.966413513	-158.639180960	26.943	Approximate Tundra Grid Flag Location	10/04/2011 10:19:24	0.00617	0.00951	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0149	56.966378352	-158.639152815	26.877	Approximate Tundra Grid Flag Location	10/04/2011 10:19:37	0.00641	0.00987	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0149	56.966378352	-158.639152815	26.877	Approximate Tundra Grid Flag Location	10/04/2011 10:19:37	0.00641	0.00987	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0150	56.966341265	-158.639125331	26.558	Approximate Tundra Grid Flag Location	10/04/2011 10:19:50	0.00706	0.01086	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0150	56.966341265	-158.639125331	26.558	Approximate Tundra Grid Flag Location	10/04/2011 10:19:50	0.00706	0.01086	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0151	56.966302557	-158.639094524	26.291	Approximate Tundra Grid Flag Location	10/04/2011 10:20:04	0.01296	0.01994	Decimal Degrees	WGS 1984	Meters	Meters</

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAGW0167	56.965711472	-158.638665528	26.215	Approximate Tundra Grid Flag Location	10/04/2011 10:23:41	0.01024	0.01555	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0168	56.965672211	-158.638634904	26.125	Approximate Tundra Grid Flag Location	10/04/2011 10:23:56	0.00745	0.01131	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0168	56.965672211	-158.638634904	26.125	Approximate Tundra Grid Flag Location	10/04/2011 10:23:56	0.00745	0.01131	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0169	56.965635114	-158.638604828	26.085	Approximate Tundra Grid Flag Location	10/04/2011 10:24:11	0.00642	0.00975	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0169	56.965635114	-158.638604828	26.085	Approximate Tundra Grid Flag Location	10/04/2011 10:24:11	0.00642	0.00975	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0170	56.965597631	-158.638578226	26.051	Approximate Tundra Grid Flag Location	10/04/2011 10:24:25	0.00776	0.01163	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0170	56.965597631	-158.638578226	26.051	Approximate Tundra Grid Flag Location	10/04/2011 10:24:25	0.00776	0.01163	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0171	56.965560429	-158.638548343	25.895	Approximate Tundra Grid Flag Location	10/04/2011 10:24:38	0.00938	0.01424	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0171	56.965560429	-158.638548343	25.895	Approximate Tundra Grid Flag Location	10/04/2011 10:24:38	0.00938	0.01424	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0172	56.965521576	-158.638521887	25.669	Approximate Tundra Grid Flag Location	10/04/2011 10:24:50	0.01462	0.02219	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0172	56.965521576	-158.638521887	25.669	Approximate Tundra Grid Flag Location	10/04/2011 10:24:50	0.01462	0.02219	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0173	56.965482704	-158.638490192	25.520	Approximate Tundra Grid Flag Location	10/04/2011 10:25:04	0.00582	0.00883	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0173	56.965482704	-158.638490192	25.520	Approximate Tundra Grid Flag Location	10/04/2011 10:25:04	0.00582	0.00883	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0174	56.965459052	-158.638472284	25.372	Approximate Tundra Grid Flag Location	10/04/2011 10:25:15	0.00848	0.01269	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0174	56.965459052	-158.638472284	25.372	Approximate Tundra Grid Flag Location	10/04/2011 10:25:15	0.00848	0.01269	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0175	56.965421900	-158.638444533	25.217	Approximate Tundra Grid Flag Location	10/04/2011 10:25:29	0.00919	0.01395	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0175	56.965421900	-158.638444533	25.217	Approximate Tundra Grid Flag Location	10/04/2011 10:25:29	0.00919	0.01395	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0176	56.965384731	-158.638414858	25.034	Approximate Tundra Grid Flag Location	10/04/2011 10:25:44	0.00971	0.01463	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0176	56.965384731	-158.638414858	25.034	Approximate Tundra Grid Flag Location	10/04/2011 10:25:44	0.00971	0.01463	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0177	56.965345846	-158.638377921	24.847	Approximate Tundra Grid Flag Location	10/04/2011 10:25:58	0.00871	0.01321	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0177	56.965345846	-158.638377921	24.847	Approximate Tundra Grid Flag Location	10/04/2011 10:25:58	0.00871	0.01321	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0178	56.965308498	-158.638348608	24.669	Approximate Tundra Grid Flag Location	10/04/2011 10:26:14	0.00595	0.00896	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0178	56.965308498	-158.638348608	24.669	Approximate Tundra Grid Flag Location	10/04/2011 10:26:14	0.00595	0.00896	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0179	56.965272699	-158.638325112	24.523	Approximate Tundra Grid Flag Location	10/04/2011 10:26:27	0.00590	0.00895	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0179	56.965272699	-158.638325112	24.523	Approximate Tundra Grid Flag Location	10/04/2011 10:26:27	0.00590	0.00895	Decimal Degrees	WGS 1984	Meters	Meters</

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAGW0196	56.965026526	-158.638474581	23.350	Approximate Tundra Grid Flag Location	10/04/2011 10:30:16	0.00775	0.01155	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0196	56.965026526	-158.638474581	23.350	Approximate Tundra Grid Flag Location	10/04/2011 10:30:16	0.00775	0.01155	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0197	56.965068084	-158.638500255	23.518	Approximate Tundra Grid Flag Location	10/04/2011 10:30:31	0.00603	0.00899	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0197	56.965068084	-158.638500255	23.518	Approximate Tundra Grid Flag Location	10/04/2011 10:30:31	0.00603	0.00899	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0198	56.965084599	-158.638432227	23.018	Approximate Tundra Grid Flag Location	10/04/2011 10:30:44	0.00969	0.01429	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0198	56.965084599	-158.638432227	23.018	Approximate Tundra Grid Flag Location	10/04/2011 10:30:44	0.00969	0.01429	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0199	56.965098488	-158.638360957	23.076	Approximate Tundra Grid Flag Location	10/04/2011 10:30:58	0.00553	0.00822	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0199	56.965098488	-158.638360957	23.076	Approximate Tundra Grid Flag Location	10/04/2011 10:30:58	0.00553	0.00822	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0200	56.965113071	-158.638291574	23.404	Approximate Tundra Grid Flag Location	10/04/2011 10:31:12	0.00626	0.00955	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0200	56.965113071	-158.638291574	23.404	Approximate Tundra Grid Flag Location	10/04/2011 10:31:12	0.00626	0.00955	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0201	56.965152299	-158.638321649	23.551	Approximate Tundra Grid Flag Location	10/04/2011 10:31:25	0.00679	0.01023	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0201	56.965152299	-158.638321649	23.551	Approximate Tundra Grid Flag Location	10/04/2011 10:31:25	0.00679	0.01023	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0202	56.965189919	-158.638348397	23.644	Approximate Tundra Grid Flag Location	10/04/2011 10:31:39	0.00555	0.00836	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0202	56.965189919	-158.638348397	23.644	Approximate Tundra Grid Flag Location	10/04/2011 10:31:39	0.00555	0.00836	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0203	56.965212914	-158.638364807	23.649	Approximate Tundra Grid Flag Location	10/04/2011 10:31:50	0.00744	0.01109	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0203	56.965212914	-158.638364807	23.649	Approximate Tundra Grid Flag Location	10/04/2011 10:31:50	0.00744	0.01109	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0204	56.965255158	-158.638395181	23.666	Approximate Tundra Grid Flag Location	10/04/2011 10:32:04	0.00611	0.00910	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0204	56.965255158	-158.638395181	23.666	Approximate Tundra Grid Flag Location	10/04/2011 10:32:04	0.00611	0.00910	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0205	56.965290103	-158.638418089	23.857	Approximate Tundra Grid Flag Location	10/04/2011 10:32:16	0.01299	0.01980	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0205	56.965290103	-158.638418089	23.857	Approximate Tundra Grid Flag Location	10/04/2011 10:32:16	0.01299	0.01980	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0206	56.965326575	-158.638446018	24.003	Approximate Tundra Grid Flag Location	10/04/2011 10:32:29	0.00590	0.00889	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0206	56.965326575	-158.638446018	24.003	Approximate Tundra Grid Flag Location	10/04/2011 10:32:29	0.00590	0.00889	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0207	56.965323543	-158.638494133	23.664	Approximate Tundra Grid Flag Location	10/04/2011 10:32:43	0.00787	0.01186	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0207	56.965323543	-158.638494133	23.664	Approximate Tundra Grid Flag Location	10/04/2011 10:32:43	0.00787	0.01186	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0208	56.965310646	-158.638512605	23.640	Approximate Tundra Grid Flag Location	10/04/2011 10:32:52	0.00885	0.01319	Decimal Degrees	WGS 1984	Meters	Meters</

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAGW0224	56.965755318	-158.638778228	25.688	Approximate Tundra Grid Flag Location	10/04/2011 10:36:24	0.00628	0.00934	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0225	56.965793759	-158.638803737	25.559	Approximate Tundra Grid Flag Location	10/04/2011 10:36:37	0.00789	0.01155	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0225	56.965793759	-158.638803737	25.559	Approximate Tundra Grid Flag Location	10/04/2011 10:36:37	0.00789	0.01155	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0226	56.965833393	-158.638837712	25.561	Approximate Tundra Grid Flag Location	10/04/2011 10:36:56	0.00499	0.00743	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0226	56.965833393	-158.638837712	25.561	Approximate Tundra Grid Flag Location	10/04/2011 10:36:56	0.00499	0.00743	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0227	56.965838123	-158.638895403	25.526	Approximate Tundra Grid Flag Location	10/04/2011 10:37:10	0.00591	0.00879	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0227	56.965838123	-158.638895403	25.526	Approximate Tundra Grid Flag Location	10/04/2011 10:37:10	0.00591	0.00879	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0228	56.965870744	-158.638862182	25.414	Approximate Tundra Grid Flag Location	10/04/2011 10:37:28	0.00726	0.01108	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0228	56.965870744	-158.638862182	25.414	Approximate Tundra Grid Flag Location	10/04/2011 10:37:28	0.00726	0.01108	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0229	56.965909822	-158.638886046	25.370	Approximate Tundra Grid Flag Location	10/04/2011 10:37:43	0.00725	0.01105	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0229	56.965909822	-158.638886046	25.370	Approximate Tundra Grid Flag Location	10/04/2011 10:37:43	0.00725	0.01105	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0230	56.965943368	-158.638912036	25.537	Approximate Tundra Grid Flag Location	10/04/2011 10:37:57	0.00985	0.01500	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0230	56.965943368	-158.638912036	25.537	Approximate Tundra Grid Flag Location	10/04/2011 10:37:57	0.00985	0.01500	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0231	56.965969112	-158.638934314	25.437	Approximate Tundra Grid Flag Location	10/04/2011 10:38:10	0.00611	0.00918	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0231	56.965969112	-158.638934314	25.437	Approximate Tundra Grid Flag Location	10/04/2011 10:38:10	0.00611	0.00918	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0232	56.966005730	-158.638962506	25.391	Approximate Tundra Grid Flag Location	10/04/2011 10:38:25	0.00703	0.01058	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0232	56.966005730	-158.638962506	25.391	Approximate Tundra Grid Flag Location	10/04/2011 10:38:25	0.00703	0.01058	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0233	56.966043355	-158.638989517	25.446	Approximate Tundra Grid Flag Location	10/04/2011 10:38:42	0.00654	0.00984	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0233	56.966043355	-158.638989517	25.446	Approximate Tundra Grid Flag Location	10/04/2011 10:38:42	0.00654	0.00984	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0234	56.966082329	-158.639019565	25.446	Approximate Tundra Grid Flag Location	10/04/2011 10:38:56	0.00691	0.01027	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0234	56.966082329	-158.639019565	25.446	Approximate Tundra Grid Flag Location	10/04/2011 10:38:56	0.00691	0.01027	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0235	56.966064765	-158.639082785	25.584	Approximate Tundra Grid Flag Location	10/04/2011 10:39:12	0.00855	0.01271	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0235	56.966064765	-158.639082785	25.584	Approximate Tundra Grid Flag Location	10/04/2011 10:39:12	0.00855	0.01271	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0236	56.966097017	-158.639093116	25.490	Approximate Tundra Grid Flag Location	10/04/2011 10:39:24	0.00709	0.01079	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0236	56.966097017	-158.639093116	25.490	Approximate Tundra Grid Flag Location	10/04/2011 10:39:24	0.00709	0.01079	Decimal Degrees	WGS 1984	Meters	Meters</

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAGW0253	56.966471158	-158.639305360	27.055	Approximate Tundra Grid Flag Location	10/04/2011 10:43:26	0.00671	0.01002	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0253	56.966471158	-158.639305360	27.055	Approximate Tundra Grid Flag Location	10/04/2011 10:43:26	0.00671	0.01002	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0254	56.966490597	-158.639316975	27.143	Approximate Tundra Grid Flag Location	10/04/2011 10:43:36	0.00748	0.01131	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0254	56.966490597	-158.639316975	27.143	Approximate Tundra Grid Flag Location	10/04/2011 10:43:36	0.00748	0.01131	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0255	56.966532042	-158.639353456	27.673	Approximate Tundra Grid Flag Location	10/04/2011 10:43:50	0.00728	0.01115	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0255	56.966532042	-158.639353456	27.673	Approximate Tundra Grid Flag Location	10/04/2011 10:43:50	0.00728	0.01115	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0256	56.966569085	-158.639378114	28.019	Approximate Tundra Grid Flag Location	10/04/2011 10:44:04	0.00893	0.01350	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW0256	56.966569085	-158.639378114	28.019	Approximate Tundra Grid Flag Location	10/04/2011 10:44:04	0.00893	0.01350	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1000	56.964918927	-158.638161274	22.531	Approximate Tundra Grid Flag Location	10/04/2011 13:03:56	0.00903	0.01781	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1000	56.964918927	-158.638161274	22.531	Approximate Tundra Grid Flag Location	10/04/2011 13:03:56	0.00903	0.01781	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1001	56.964879555	-158.638131957	22.484	Approximate Tundra Grid Flag Location	10/04/2011 13:04:17	0.00567	0.01022	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1001	56.964879555	-158.638131957	22.484	Approximate Tundra Grid Flag Location	10/04/2011 13:04:17	0.00567	0.01022	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1002	56.964841664	-158.638105434	22.440	Approximate Tundra Grid Flag Location	10/04/2011 13:04:31	0.00554	0.01007	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1002	56.964841664	-158.638105434	22.440	Approximate Tundra Grid Flag Location	10/04/2011 13:04:31	0.00554	0.01007	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1003	56.964822017	-158.638141776	22.041	Approximate Tundra Grid Flag Location	10/04/2011 13:04:47	0.00593	0.01076	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1003	56.964822017	-158.638141776	22.041	Approximate Tundra Grid Flag Location	10/04/2011 13:04:47	0.00593	0.01076	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1004	56.964824193	-158.638172227	21.976	Approximate Tundra Grid Flag Location	10/04/2011 13:04:57	0.00831	0.01496	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1004	56.964824193	-158.638172227	21.976	Approximate Tundra Grid Flag Location	10/04/2011 13:04:57	0.00831	0.01496	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1005	56.964784535	-158.638147465	22.069	Approximate Tundra Grid Flag Location	10/04/2011 13:05:10	0.00589	0.01078	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1005	56.964784535	-158.638147465	22.069	Approximate Tundra Grid Flag Location	10/04/2011 13:05:10	0.00589	0.01078	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1006	56.964765102	-158.638212507	21.846	Approximate Tundra Grid Flag Location	10/04/2011 13:05:28	0.00556	0.01000	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1006	56.964765102	-158.638212507	21.846	Approximate Tundra Grid Flag Location	10/04/2011 13:05:28	0.00556	0.01000	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1007	56.964805409	-158.638240028	21.876	Approximate Tundra Grid Flag Location	10/04/2011 13:05:41	0.00546	0.00981	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1007	56.964805409	-158.638240028	21.876	Approximate Tundra Grid Flag Location	10/04/2011 13:05:41	0.00546	0.00981	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1008	56.964802565	-158.638264266	22.068	Approximate Tundra Grid Flag Location	10/04/2011 13:05:52	0.00654	0.01175	Decimal Degrees	WGS 1984	Meters	Meters</

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAGW1024	56.964309083	-158.637825056	23.067	Approximate Tundra Grid Flag Location	10/04/2011 13:10:48	0.00743	0.01327	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1025	56.964269630	-158.637798714	23.089	Approximate Tundra Grid Flag Location	10/04/2011 13:11:02	0.00654	0.01186	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1025	56.964269630	-158.637798714	23.089	Approximate Tundra Grid Flag Location	10/04/2011 13:11:02	0.00654	0.01186	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1026	56.964251778	-158.637868030	23.027	Approximate Tundra Grid Flag Location	10/04/2011 13:11:16	0.00703	0.01253	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1026	56.964251778	-158.637868030	23.027	Approximate Tundra Grid Flag Location	10/04/2011 13:11:16	0.00703	0.01253	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1027	56.964262105	-158.637887648	23.057	Approximate Tundra Grid Flag Location	10/04/2011 13:11:27	0.00928	0.01643	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1027	56.964262105	-158.637887648	23.057	Approximate Tundra Grid Flag Location	10/04/2011 13:11:27	0.00928	0.01643	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1028	56.964235864	-158.637936875	23.042	Approximate Tundra Grid Flag Location	10/04/2011 13:11:45	0.01105	0.01974	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1028	56.964235864	-158.637936875	23.042	Approximate Tundra Grid Flag Location	10/04/2011 13:11:45	0.01105	0.01974	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1029	56.964267129	-158.637950023	23.135	Approximate Tundra Grid Flag Location	10/04/2011 13:12:05	0.00583	0.01019	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1029	56.964267129	-158.637950023	23.135	Approximate Tundra Grid Flag Location	10/04/2011 13:12:05	0.00583	0.01019	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1030	56.964287883	-158.637890028	23.152	Approximate Tundra Grid Flag Location	10/04/2011 13:12:37	0.00662	0.01130	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1030	56.964287883	-158.637890028	23.152	Approximate Tundra Grid Flag Location	10/04/2011 13:12:37	0.00662	0.01130	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1031	56.964288481	-158.637730262	23.066	Approximate Tundra Grid Flag Location	10/04/2011 13:13:10	0.00584	0.01027	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1031	56.964288481	-158.637730262	23.066	Approximate Tundra Grid Flag Location	10/04/2011 13:13:10	0.00584	0.01027	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1032	56.964245663	-158.637706799	22.968	Approximate Tundra Grid Flag Location	10/04/2011 13:13:24	0.00693	0.01221	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1032	56.964245663	-158.637706799	22.968	Approximate Tundra Grid Flag Location	10/04/2011 13:13:24	0.00693	0.01221	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1033	56.964206069	-158.637681728	23.207	Approximate Tundra Grid Flag Location	10/04/2011 13:13:38	0.00807	0.01387	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1033	56.964206069	-158.637681728	23.207	Approximate Tundra Grid Flag Location	10/04/2011 13:13:38	0.00807	0.01387	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1034	56.964168569	-158.637653881	22.834	Approximate Tundra Grid Flag Location	10/04/2011 13:13:52	0.00714	0.01226	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1034	56.964168569	-158.637653881	22.834	Approximate Tundra Grid Flag Location	10/04/2011 13:13:52	0.00714	0.01226	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1035	56.964136488	-158.637634284	22.862	Approximate Tundra Grid Flag Location	10/04/2011 13:14:07	0.00590	0.01012	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1035	56.964136488	-158.637634284	22.862	Approximate Tundra Grid Flag Location	10/04/2011 13:14:07	0.00590	0.01012	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1036	56.964094251	-158.637614185	23.012	Approximate Tundra Grid Flag Location	10/04/2011 13:14:24	0.00699	0.01197	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1036	56.964094251	-158.637614185	23.012	Approximate Tundra Grid Flag Location	10/04/2011 13:14:24	0.00699	0.01197	Decimal Degrees	WGS 1984	Meters	Meters</

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAGW1053	56.963744440	-158.637506727	22.827	Approximate Tundra Grid Flag Location	10/04/2011 13:19:58	0.00898	0.01501	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1053	56.963744440	-158.637506727	22.827	Approximate Tundra Grid Flag Location	10/04/2011 13:19:58	0.00898	0.01501	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1054	56.963729770	-158.637578999	22.814	Approximate Tundra Grid Flag Location	10/04/2011 13:20:13	0.00697	0.01163	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1054	56.963729770	-158.637578999	22.814	Approximate Tundra Grid Flag Location	10/04/2011 13:20:13	0.00697	0.01163	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1055	56.963747504	-158.637611003	22.834	Approximate Tundra Grid Flag Location	10/04/2011 13:20:23	0.00784	0.01307	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1055	56.963747504	-158.637611003	22.834	Approximate Tundra Grid Flag Location	10/04/2011 13:20:23	0.00784	0.01307	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1056	56.963775371	-158.637594667	22.695	Approximate Tundra Grid Flag Location	10/04/2011 13:20:38	0.00916	0.01526	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1056	56.963775371	-158.637594667	22.695	Approximate Tundra Grid Flag Location	10/04/2011 13:20:38	0.00916	0.01526	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1057	56.963764873	-158.637679030	22.852	Approximate Tundra Grid Flag Location	10/04/2011 13:20:52	0.00590	0.00982	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1057	56.963764873	-158.637679030	22.852	Approximate Tundra Grid Flag Location	10/04/2011 13:20:52	0.00590	0.00982	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1058	56.963732820	-158.637730213	22.837	Approximate Tundra Grid Flag Location	10/04/2011 13:21:07	0.00746	0.01239	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1058	56.963732820	-158.637730213	22.837	Approximate Tundra Grid Flag Location	10/04/2011 13:21:07	0.00746	0.01239	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1059	56.963716378	-158.637861207	22.800	Approximate Tundra Grid Flag Location	10/04/2011 13:21:24	0.00665	0.01103	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1059	56.963716378	-158.637861207	22.800	Approximate Tundra Grid Flag Location	10/04/2011 13:21:24	0.00665	0.01103	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1060	56.963708658	-158.637643708	22.682	Approximate Tundra Grid Flag Location	10/04/2011 13:21:57	0.00662	0.01096	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1060	56.963708658	-158.637643708	22.682	Approximate Tundra Grid Flag Location	10/04/2011 13:21:57	0.00662	0.01096	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1061	56.963754663	-158.637432150	22.806	Approximate Tundra Grid Flag Location	10/04/2011 13:22:28	0.00966	0.01665	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1061	56.963754663	-158.637432150	22.806	Approximate Tundra Grid Flag Location	10/04/2011 13:22:28	0.00966	0.01665	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1062	56.963714549	-158.637413802	22.825	Approximate Tundra Grid Flag Location	10/04/2011 13:22:43	0.00607	0.01001	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1062	56.963714549	-158.637413802	22.825	Approximate Tundra Grid Flag Location	10/04/2011 13:22:43	0.00607	0.01001	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1063	56.963675941	-158.637391078	22.801	Approximate Tundra Grid Flag Location	10/04/2011 13:22:58	0.00491	0.00809	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1063	56.963675941	-158.637391078	22.801	Approximate Tundra Grid Flag Location	10/04/2011 13:22:58	0.00491	0.00809	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1064	56.963634394	-158.637375871	22.844	Approximate Tundra Grid Flag Location	10/04/2011 13:23:20	0.00541	0.00890	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1064	56.963634394	-158.637375871	22.844	Approximate Tundra Grid Flag Location	10/04/2011 13:23:20	0.00541	0.00890	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1065	56.963608044	-158.637369532	22.814	Approximate Tundra Grid Flag Location	10/04/2011 13:23:33	0.00691	0.01135	Decimal Degrees	WGS 1984	Meters	Meters</

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAGW1081	56.96332953	-158.637239217	22.814	Approximate Tundra Grid Flag Location	10/04/2011 13:28:04	0.00549	0.00868	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1082	56.963294917	-158.637225208	22.935	Approximate Tundra Grid Flag Location	10/04/2011 13:28:18	0.00542	0.00860	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1082	56.963294917	-158.637225208	22.935	Approximate Tundra Grid Flag Location	10/04/2011 13:28:18	0.00542	0.00860	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1083	56.963255788	-158.637207407	22.863	Approximate Tundra Grid Flag Location	10/04/2011 13:28:37	0.00691	0.01096	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1083	56.963255788	-158.637207407	22.863	Approximate Tundra Grid Flag Location	10/04/2011 13:28:37	0.00691	0.01096	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1084	56.963212803	-158.637192955	22.641	Approximate Tundra Grid Flag Location	10/04/2011 13:28:54	0.00671	0.01061	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1084	56.963212803	-158.637192955	22.641	Approximate Tundra Grid Flag Location	10/04/2011 13:28:54	0.00671	0.01061	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1085	56.963172035	-158.637175696	22.840	Approximate Tundra Grid Flag Location	10/04/2011 13:29:10	0.00610	0.00964	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1085	56.963172035	-158.637175696	22.840	Approximate Tundra Grid Flag Location	10/04/2011 13:29:10	0.00610	0.00964	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1086	56.963132249	-158.637154564	22.885	Approximate Tundra Grid Flag Location	10/04/2011 13:29:24	0.00677	0.01069	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1086	56.963132249	-158.637154564	22.885	Approximate Tundra Grid Flag Location	10/04/2011 13:29:24	0.00677	0.01069	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1087	56.963093625	-158.637139623	22.898	Approximate Tundra Grid Flag Location	10/04/2011 13:29:39	0.00623	0.00981	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1087	56.963093625	-158.637139623	22.898	Approximate Tundra Grid Flag Location	10/04/2011 13:29:39	0.00623	0.00981	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1088	56.963060268	-158.637123795	22.923	Approximate Tundra Grid Flag Location	10/04/2011 13:29:53	0.00578	0.00893	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1088	56.963060268	-158.637123795	22.923	Approximate Tundra Grid Flag Location	10/04/2011 13:29:53	0.00578	0.00893	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1089	56.963021956	-158.637113663	22.909	Approximate Tundra Grid Flag Location	10/04/2011 13:30:07	0.00669	0.01032	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1089	56.963021956	-158.637113663	22.909	Approximate Tundra Grid Flag Location	10/04/2011 13:30:07	0.00669	0.01032	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1090	56.963029119	-158.637032807	23.039	Approximate Tundra Grid Flag Location	10/04/2011 13:31:19	0.00640	0.00976	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1090	56.963029119	-158.637032807	23.039	Approximate Tundra Grid Flag Location	10/04/2011 13:31:19	0.00640	0.00976	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1091	56.963069588	-158.637053015	23.019	Approximate Tundra Grid Flag Location	10/04/2011 13:31:34	0.00688	0.01042	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1091	56.963069588	-158.637053015	23.019	Approximate Tundra Grid Flag Location	10/04/2011 13:31:34	0.00688	0.01042	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1092	56.963103191	-158.637065845	22.949	Approximate Tundra Grid Flag Location	10/04/2011 13:31:47	0.00544	0.00819	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1092	56.963103191	-158.637065845	22.949	Approximate Tundra Grid Flag Location	10/04/2011 13:31:47	0.00544	0.00819	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1093	56.963144511	-158.637083472	22.876	Approximate Tundra Grid Flag Location	10/04/2011 13:32:02	0.00530	0.00794	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1093	56.963144511	-158.637083472	22.876	Approximate Tundra Grid Flag Location	10/04/2011 13:32:02	0.00530	0.00794	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAGW1110	56.963801825	-158.637381260	22.891	Approximate Tundra Grid Flag Location	10/04/2011 13:36:27	0.00483	0.00708	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1110	56.963801825	-158.637381260	22.891	Approximate Tundra Grid Flag Location	10/04/2011 13:36:27	0.00483	0.00708	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1111	56.963841971	-158.637400446	22.886	Approximate Tundra Grid Flag Location	10/04/2011 13:36:40	0.00578	0.00841	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1111	56.963841971	-158.637400446	22.886	Approximate Tundra Grid Flag Location	10/04/2011 13:36:40	0.00578	0.00841	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1112	56.963880872	-158.637419468	22.909	Approximate Tundra Grid Flag Location	10/04/2011 13:36:54	0.00573	0.00834	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1112	56.963880872	-158.637419468	22.909	Approximate Tundra Grid Flag Location	10/04/2011 13:36:54	0.00573	0.00834	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1113	56.963913903	-158.637432757	22.942	Approximate Tundra Grid Flag Location	10/04/2011 13:37:09	0.00563	0.00819	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1113	56.963913903	-158.637432757	22.942	Approximate Tundra Grid Flag Location	10/04/2011 13:37:09	0.00563	0.00819	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1114	56.963953892	-158.637455773	22.944	Approximate Tundra Grid Flag Location	10/04/2011 13:37:23	0.00822	0.01193	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1114	56.963953892	-158.637455773	22.944	Approximate Tundra Grid Flag Location	10/04/2011 13:37:23	0.00822	0.01193	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1115	56.963991753	-158.637475492	22.933	Approximate Tundra Grid Flag Location	10/04/2011 13:37:38	0.00707	0.01026	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1115	56.963991753	-158.637475492	22.933	Approximate Tundra Grid Flag Location	10/04/2011 13:37:38	0.00707	0.01026	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1116	56.964029537	-158.637498239	22.969	Approximate Tundra Grid Flag Location	10/04/2011 13:37:51	0.00865	0.01234	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1116	56.964029537	-158.637498239	22.969	Approximate Tundra Grid Flag Location	10/04/2011 13:37:51	0.00865	0.01234	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1117	56.964068373	-158.637518934	22.930	Approximate Tundra Grid Flag Location	10/04/2011 13:38:04	0.00746	0.01084	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1117	56.964068373	-158.637518934	22.930	Approximate Tundra Grid Flag Location	10/04/2011 13:38:04	0.00746	0.01084	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1118	56.964107743	-158.637540060	23.063	Approximate Tundra Grid Flag Location	10/04/2011 13:38:19	0.00627	0.00903	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1118	56.964107743	-158.637540060	23.063	Approximate Tundra Grid Flag Location	10/04/2011 13:38:19	0.00627	0.00903	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1119	56.964147771	-158.637561101	22.832	Approximate Tundra Grid Flag Location	10/04/2011 13:38:33	0.00562	0.00812	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1119	56.964147771	-158.637561101	22.832	Approximate Tundra Grid Flag Location	10/04/2011 13:38:33	0.00562	0.00812	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1120	56.964179383	-158.637578494	22.906	Approximate Tundra Grid Flag Location	10/04/2011 13:38:45	0.00760	0.01091	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1120	56.964179383	-158.637578494	22.906	Approximate Tundra Grid Flag Location	10/04/2011 13:38:45	0.00760	0.01091	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1120	56.964218497	-158.637611727	23.055	Approximate Tundra Grid Flag Location	10/04/2011 13:39:05	0.00518	0.00745	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1121	56.964258928	-158.637634420	23.041	Approximate Tundra Grid Flag Location	10/04/2011 13:39:36	0.00517	0.00738	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1121	56.964258928	-158.637634420	23.041	Approximate Tundra Grid Flag Location	10/04/2011 13:39:36	0.00517	0.00738	Decimal Degrees	WGS 1984	Meters	Meters</

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	PINFLAGW1138	56.964894016	-158.638058936	23.060	Approximate Tundra Grid Flag Location	10/04/2011 13:43:37	0.00712	0.00988	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1138	56.964894016	-158.638058936	23.060	Approximate Tundra Grid Flag Location	10/04/2011 13:43:37	0.00712	0.00988	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1139	56.964934004	-158.638090454	23.184	Approximate Tundra Grid Flag Location	10/04/2011 13:43:51	0.01351	0.01838	Decimal Degrees	WGS 1984	Meters	Meters
EECA	PINFLAGW1139	56.964934004	-158.638090454	23.184	Approximate Tundra Grid Flag Location	10/04/2011 13:43:51	0.01351	0.01838	Decimal Degrees	WGS 1984	Meters	Meters
EECA	15SEPQCM002	56.960436398	-158.636664542	27.084	Control Point Check Shot	09/15/2011 07:16:33	0.00493	0.00747	Decimal Degrees	WGS 1984	Meters	Meters
EECA	16SEPQCM002	56.960437731	-158.636666967	27.580	Control Point Check Shot	09/16/2011 09:47:16	0.00478	0.00841	Decimal Degrees	WGS 1984	Meters	Meters
EECA	HTBM002 CHKPT	56.960438459	-158.636666274	27.636	Control Point Check Shot on TBM 002	09/27/2011 14:13:57	0.00562	0.00753	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RTCM-Ref 0000(2	56.930838675	-158.629431545	19.350	Control Point Reference Log	09/09/2011 07:51:34	0.00000	0.00000	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RTCM-Ref 0000(1	56.941908156	-158.578295419	35.165	Control Point Reference Log	10/15/2011 14:37:55	0.00000	0.00000	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RTCM-Ref 0000(1	56.941908156	-158.578295419	35.165	Control Point Reference Log	10/15/2011 14:38:10	0.00000	0.00000	Decimal Degrees	WGS 1984	Meters	Meters
EECA	BH4000	56.922449243	-158.669020337	6.676	Geoprobe Location with Utility Clearance Performed	09/15/2011 14:28:54	0.00881	0.01465	Decimal Degrees	WGS 1984	Meters	Meters
EECA	BH 000	56.915324107	-158.684059192	6.527	Geoprobe Location with Utility Clearance Performed	09/15/2011 15:34:23	0.00775	0.01115	Decimal Degrees	WGS 1984	Meters	Meters
EECA	BH 7000	56.927449709	-158.657761576	8.540	Geoprobe Location with Utility Clearance Performed	09/15/2011 16:09:15	0.00740	0.01285	Decimal Degrees	WGS 1984	Meters	Meters
EECA	BH 8000	56.929639177	-158.654690680	8.936	Geoprobe Location with Utility Clearance Performed	09/15/2011 16:13:52	0.00674	0.01182	Decimal Degrees	WGS 1984	Meters	Meters
EECA	BH 10000	56.932943824	-158.647116076	11.093	Geoprobe Location with Utility Clearance Performed	09/15/2011 16:24:31	0.00743	0.01277	Decimal Degrees	WGS 1984	Meters	Meters
EECA	BH 14000	56.942176215	-158.637971162	17.345	Geoprobe Location with Utility Clearance Performed	09/15/2011 16:57:05	0.00645	0.01007	Decimal Degrees	WGS 1984	Meters	Meters
EECA	BH 16000	56.947393670	-158.637874563	21.019	Geoprobe Location with Utility Clearance Performed	09/15/2011 17:08:55	0.00635	0.00878	Decimal Degrees	WGS 1984	Meters	Meters
EECA	BH 17000	56.949858978	-158.635676780	23.361	Geoprobe Location with Utility Clearance Performed	09/15/2011 17:15:36	0.00893	0.01193	Decimal Degrees	WGS 1984	Meters	Meters
EECA	BH 18000	56.952146608	-158.6376215054	25.405	Geoprobe Location with Utility Clearance Performed	09/15/2011 17:19:52	0.00948	0.01107	Decimal Degrees	WGS 1984	Meters	Meters
EECA	BH 19000	56.954289840	-158.636842283	25.026	Geoprobe Location with Utility Clearance Performed	09/15/2011 17:23:16	0.00646	0.00818	Decimal Degrees	WGS 1984	Meters	Meters
EECA	05-00C	56.958446828	-158.640001265	23.951	Proposed Geoprobe Location at Section 05-00C	10/17/2011 16:01:02	0.00568	0.00765	Decimal Degrees	WGS 1984	Meters	Meters
EECA	10-00C	56.959377169	-158.638148054	24.517	Proposed Geoprobe Location at Section 10-00C	10/17/2011 15:58:35	0.00587	0.00776	Decimal Degrees	WGS 1984	Meters	Meters
EECA	15-00C	56.960357069	-158.636362114	26.352	Proposed Geoprobe Location at Section 15-00C	10/17/2011 15:51:38	0.00536	0.00674	Decimal Degrees	WGS 1984	Meters	Meters
EECA	20-00C	56.961734406	-158.636368862	23.811	Proposed Geoprobe Location at Section 20-00C	10/17/2011 15:48:31	0.00611	0.00754	Decimal Degrees	WGS 1984	Meters	Meters
EECA	25-00C	56.963121012	-158.636942210	23.253	Proposed Geoprobe Location at Section 25-00C	10/17/2011 15:46:13	0.00592	0.00751	Decimal Degrees	WGS 1984	Meters	Meters
EECA	30-00C	56.964477253	-158.637621918	23.816	Proposed Geoprobe Location at Section 30-00C	10/17/2011 15:44:42	0.00761	0.00958	Decimal Degrees	WGS 1984	Meters	Meters
EECA	35-00C	56.965758646	-158.638557955	27.197	Proposed Geoprobe Location at Section 35-00C	10/17/2011 15:43:25	0.00887	0.01072	Decimal Degrees	WGS 1984	Meters	Meters
EECA	40-50C	56.967165353	-158.639569260	32.483	Proposed Geoprobe Location at Section 40-50C	10/17/2011 15:41:40	0.00632	0.00784	Decimal Degrees	WGS 1984	Meters	Meters
EECA	46-00C	56.968669028	-158.639982724	29.768	Proposed Geoprobe Location at Section 46-00C	10/17/2011 15:37:55	0.00800	0.00986	Decimal Degrees	WGS 1984	Meters	Meters
EECA	50-00C	56.969765257	-158.640146106	27.281	Proposed Geoprobe Location at Section 50-00C	10/17/2011 15:36:48	0.00822	0.01012	Decimal Degrees	WGS 1984	Meters	Meters
EECA	55-50C	56.971296879	-158.640397033	26.780	Proposed Geoprobe Location at Section 55-50C	10/17/2011 15:32:48	0.00677	0.00834	Decimal Degrees	WGS 1984	Meters	Meters
EECA	60-00C	56.972553599	-158.640672889	26.587	Proposed Geoprobe Location at Section 60-00C	10/17/2011 14:40:06	0.00464	0.00806	Decimal Degrees	WGS 1984	Meters	Meters
EECA	65-00C	56.973677293	-158.641776126	28.458	Proposed Geoprobe Location at Section 65-00C	10/17/2011 14:37:04	0.00489	0.00852	Decimal Degrees	WGS 1984	Meters	Meters
EECA	70-00C	56.974258830	-158.644045929	24.478	Proposed Geoprobe Location at Section 70-00C	10/17/2011 14:34:35	0.00591	0.01052	Decimal Degrees	WGS 1984	Meters	Meters
EECA	75-00C	56.974780646	-158.646355850	23.781	Proposed Geoprobe Location at Section 75-00C	10/17/2011 14:31:58	0.00594	0.01053	Decimal Degrees	WGS 1984	Meters	Meters
EECA	78-00R	56.975128806	-158.647722206	23.481	Proposed Geoprobe Location at Section 78-00R	10/17/2011 15:21:59	0.00726	0.00970	Decimal Degrees	WGS 1984	Meters	Meters
EECA	79-50C	56.975314623	-158.648673337	24.161	Proposed Geoprobe Location at Section 79-50C	10/17/2011 14:24:30	0.00701	0.01207	Decimal Degrees	WGS 1984	Meters	Meters
EECA	80-00L	56.975284606	-158.648702124	23.906	Proposed Geoprobe Location at Section 80-00L	10/17/2011 15:22:59	0.00737	0.00937	Decimal Degrees	WGS 1984	Meters	Meters
EECA	83-00L	56.975663341	-158.650407988	25.930	Proposed Geoprobe Location at Section 83-00L	10/17/2011 14:21:51	0.00614	0.01041	Decimal Degrees	WGS 1984	Meters	Meters
EECA	84-00R	56.975763611	-158.650557013	26.440	Proposed Geoprobe Location at Section 84-00R	10/17/2011 14:21:03	0.00573	0.00966	Decimal Degrees	WGS 1984	Meters	Meters
EECA	85-00C	56.975841715	-158.651040633	27.481	Proposed Geoprobe Location at Section 85-00C	10/17/2011 14:19:44	0.00549	0.00919	Decimal Degrees	WGS 1984	Meters	Meters
EECA	86-00R	56.975985125	-158.651469795	28.277	Proposed Geoprobe Location at Section 86-00R	10/17/2011 15:25:39	0.00936	0.01194	Decimal Degrees	WGS 1984	Meters	Meters
EECA	87-00L	56.976023278	-158.651975718	29.347	Proposed Geoprobe Location at Section 87-00L	10/17/2011 15:26:30	0.00994	0.01266	Decimal Degrees	WGS 1984	Meters	Meters
EECA	88-00R	56.976190679	-158.652393235	29.871	Proposed Geoprobe Location at Section 88-00R	10/17/2011 15:27:17	0.00840	0.01063	Decimal Degrees	WGS 1984	Meters	Meters
EECA	89-00C	56.976263209	-158.652870815	30.373	Proposed Geoprobe Location at Section 89-00C	10/17/2011 14:12:55	0.00691	0.01103	Decimal Degrees	WGS 1984	Meters	Meters
EECA	92-50	56.976784180	-158.654092618	31.759	Proposed Geoprobe Location at Section 92-50	10/17/2011 14:10:34	0.00623	0.00983	Decimal Degrees	WGS 1984	Meters	Meters
EECA	BASE	56.959295706	-158.634020610	31.315	Control Point	10/17/2011 08:51:15	0.00520	0.00724	Decimal Degrees	WGS 1984	Meters	Meters
EECA	BM	56.959311398	-158.633970434	31.687	Control Point	10/17/2011 08:45:58	0.00000	0.00000	Decimal Degrees	WGS 1984	Meters	Meters
EECA	TRLPTCHK10171	56.960438050	-158.636666350	27.581	Control Point Check Shot	10/17/2011 08:29:09	0.00648	0.00932	Decimal Degrees	WGS 1984	Meters	Meters
EECA	TRLPTCHK10171	56.960437790	-158.636666300	27.643	Control Point Check Shot	10/17/2011 08:55:59	0.00656	0.00915	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD01	56.957465244	-158.640682558	23.748	Excavation Extent from the TCRA	10/17/2011 09:13:30	0.00522	0.00788	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD02	56.957556238	-158.640669084	23.429	Excavation Extent from the TCRA	10/17/2011 09:13:53	0.00572	0.00863	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD03	56.957650873	-158.640661770	23.714	Excavation Extent from the TCRA	10/17/2011 09:14:26	0.00532	0.00804	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD04	56.957707162	-158.640651799	23.750	Excavation Extent from the TCRA	10/17/2011 09:18:06	0.00568	0.00856	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD05	56.957816040	-158.640602496	23.875	Excavation Extent from the TCRA	10/17/2011 09:18:54	0.00601	0.00906	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD06	56.957972979	-158.640496280	23.910	Excavation Extent from the TCRA	10/17/2011 09:19:24	0.00544	0.00822	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD07	56.958094743	-158.640389073	23.888	Excavation Extent from the TCRA	10/17/2011 09:19:43	0.00594	0.00901	Decimal Degrees	WGS 1984	Meters	Meters

2011 Port Heiden Site Road Survey Data

Project Phase	Point ID	Latitude	Longitude	Orthometric Height	Description	Date & Time	Position Quality	Height Quality	Coordinate Type	Geographic Datum	Orthometric UOM	Quality UOM
EECA	RD08	56.958126387	-158.640358622	23.847	Excavation Extent from the TCRA	10/17/2011 09:20:01	0.00560	0.00847	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD09	56.958211710	-158.640269979	23.853	Excavation Extent from the TCRA	10/17/2011 09:23:24	0.00535	0.00815	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD10	56.958294383	-158.640172634	23.912	Excavation Extent from the TCRA	10/17/2011 09:23:43	0.00491	0.00748	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD11	56.958344120	-158.640107134	23.762	Excavation Extent from the TCRA	10/17/2011 09:23:54	0.00663	0.01011	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD12	56.958432337	-158.639975284	23.848	Excavation Extent from the TCRA	10/17/2011 09:24:22	0.00509	0.00776	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD13	56.958573635	-158.639722790	23.818	Excavation Extent from the TCRA	10/17/2011 09:27:46	0.00538	0.00805	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD14	56.958713456	-158.639439544	23.755	Excavation Extent from the TCRA	10/17/2011 09:28:12	0.00513	0.00769	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD15	56.958801219	-158.639246624	23.749	Excavation Extent from the TCRA	10/17/2011 09:28:39	0.00548	0.00821	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD16	56.958891192	-158.639065177	23.828	Excavation Extent from the TCRA	10/17/2011 09:28:59	0.00565	0.00787	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD17	56.958982654	-158.638882223	24.101	Excavation Extent from the TCRA	10/17/2011 09:29:21	0.00512	0.00768	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD18	56.959044984	-158.638758611	24.209	Excavation Extent from the TCRA	10/17/2011 09:30:07	0.00473	0.00709	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD19	56.959171745	-158.638484486	24.064	Excavation Extent from the TCRA	10/17/2011 09:31:22	0.00501	0.00753	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD20	56.959220616	-158.638545286	24.200	Excavation Extent from the TCRA	10/17/2011 09:32:20	0.00584	0.00878	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD21	56.959084894	-158.638787998	24.316	Excavation Extent from the TCRA	10/17/2011 09:33:01	0.00844	0.01270	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD22	56.959013811	-158.638944716	24.283	Excavation Extent from the TCRA	10/17/2011 09:33:23	0.00678	0.01020	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD23	56.958909178	-158.639163765	23.858	Excavation Extent from the TCRA	10/17/2011 09:33:52	0.00610	0.00919	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD24	56.958816384	-158.639364822	23.633	Excavation Extent from the TCRA	10/17/2011 09:34:14	0.00593	0.00894	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD25	56.958726407	-158.639583354	23.708	Excavation Extent from the TCRA	10/17/2011 09:34:37	0.00566	0.00853	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD26	56.958600584	-158.639814329	23.851	Excavation Extent from the TCRA	10/17/2011 09:35:03	0.00535	0.00807	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD27	56.958470360	-158.640049521	23.901	Excavation Extent from the TCRA	10/17/2011 09:35:31	0.00673	0.01015	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD28	56.958387081	-158.640175720	23.853	Excavation Extent from the TCRA	10/17/2011 09:35:51	0.00635	0.00959	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD29	56.958267381	-158.640340584	23.871	Excavation Extent from the TCRA	10/17/2011 09:36:17	0.00683	0.01031	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD30	56.958119440	-158.640485207	23.765	Excavation Extent from the TCRA	10/17/2011 09:36:41	0.00662	0.01000	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD31	56.958018533	-158.640568401	23.875	Excavation Extent from the TCRA	10/17/2011 09:37:06	0.00607	0.00933	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD32	56.957833416	-158.640718808	23.799	Excavation Extent from the TCRA	10/17/2011 09:37:39	0.00638	0.00964	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD33	56.957717536	-158.640778570	23.564	Excavation Extent from the TCRA	10/17/2011 09:38:04	0.00541	0.00817	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD34	56.957559924	-158.640810829	23.482	Excavation Extent from the TCRA	10/17/2011 09:38:25	0.00593	0.00896	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD35	56.957454976	-158.640799675	23.601	Excavation Extent from the TCRA	10/17/2011 09:38:57	0.00718	0.01087	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD36	56.957247768	-158.640780841	23.761	Excavation Extent from the TCRA	10/17/2011 09:40:39	0.00799	0.01210	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RD37	56.957256694	-158.640688101	23.613	Excavation Extent from the TCRA	10/17/2011 09:41:12	0.00546	0.00828	Decimal Degrees	WGS 1984	Meters	Meters
EECA	RTCM-Ref 0000	56.959311398	-158.633970434	31.687	Control Point Check Shot	10/17/2011 08:23:40	0.00000	0.00000	Decimal Degrees	WGS 1984	Meters	Meters
EECA	TRENCH16R1	56.960840226	-158.636080013	25.513	Shoulder Profile Sampling Location Section 16 Right	10/17/2011 10:40:49	0.00441	0.00627	Decimal Degrees	WGS 1984	Meters	Meters
EECA	TRENCH16R2	56.960839210	-158.636056120	24.971	Shoulder Profile Sampling Location Section 16 Right	10/17/2011 10:41:08	0.00588	0.00837	Decimal Degrees	WGS 1984	Meters	Meters
EECA	TRENCH27R1	56.963683346	-158.637102477	23.152	Shoulder Profile Sampling Location Section 27 Right	10/17/2011 10:43:50	0.00677	0.00911	Decimal Degrees	WGS 1984	Meters	Meters
EECA	TRENCH27R2	56.963690189	-158.637068816	22.497	Shoulder Profile Sampling Location Section 27 Right	10/17/2011 10:44:06	0.00834	0.01121	Decimal Degrees	WGS 1984	Meters	Meters
EECA	TRENCH35L1	56.965837363	-158.638692802	27.123	Shoulder Profile Sampling Location Section 35 Left	10/17/2011 10:46:01	0.00689	0.00898	Decimal Degrees	WGS 1984	Meters	Meters
EECA	TRENCH35L2	56.965828171	-158.638742307	26.187	Shoulder Profile Sampling Location Section 35 Left	10/17/2011 10:46:16	0.00821	0.01070	Decimal Degrees	WGS 1984	Meters	Meters
EECA	TRENCH61R1	56.972886377	-158.640778175	26.938	Shoulder Profile Sampling Location Section 61 Right	10/17/2011 10:57:20	0.00731	0.00939	Decimal Degrees	WGS 1984	Meters	Meters
EECA	TRENCH61R2	56.972890190	-158.640743182	26.308	Shoulder Profile Sampling Location Section 61 Right	10/17/2011 10:57:31	0.00725	0.00933	Decimal Degrees	WGS 1984	Meters	Meters
EECA	TRENCH85L1	56.975649537	-158.650399701	25.712	Shoulder Profile Sampling Location Section 83 Left	10/17/2011 10:50:35	0.00521	0.00715	Decimal Degrees	WGS 1984	Meters	Meters
EECA	TRENCH85L2	56.975636951	-158.650409900	25.071	Shoulder Profile Sampling Location Section 83 Left	10/17/2011 10:50:49	0.00498	0.00683	Decimal Degrees	WGS 1984	Meters	Meters

APPENDIX L
Response to Comments

REVIEW COMMENTS

Document Reviewed: EE/CA					Page 1 of 1
Comments by: W. Dickemore		Organization: 611 th CES			Date: 22 February 12
/No.	Original Page	Line Number	Comments	A, D, N, or RC ¹	Response
1	Page 2-29	last sentence	“address” should be “addressed”	A	“address” been changed to “addressed”
2	Page 2-29	last sentence	Delete extra period.	A	Extra period has been deleted.
3	Page 3-13	5th to last line	PCV should be PCB	A	PCV has been changed to PCB
4	Throughout document		Use of “step out” and “step-out is inconsistent in the report. For example, page 3-15 uses “step out” and page 4-37 uses “step-out”	A	All references to “step out” and “stepout” have been changed to “step-out”
5	Page 4-7	middle of page	“ ...results greater then 1.0 ...” should be “ ...results greater than 1.0 ...”	A	“...greater then 1.0...” has been changed to “...greater than 1.0...”
6	Page 4-38	4th to last line	“...where samples results ...” probably should be “...where sample results ...”	A	“...where samples results ...” has been changed to “...where sample results ...”
7	Page 4-57 3rd paragraph	2nd line	Remove the comma after the period	A	Removed the comma.
8	Page 4-66	2nd paragraph	“ Three of samples ...”should be reworded. Three samples? Three of the samples? ...	A	“Three of samples” has been changed to “three of the samples”
9	Paragraph 8.3.2	4th line	“...of the excavations area ...” should reworded. Maybe “...of the excavated area ...” Maybe “...of the excavations ...”	A	“Of the excavation area” has been changed to “of the excavated area”
10	Page 8-7	5th line	Missing word(s) in “(greater 50 mg/kg)”	A	(greater 50 mg/kg) has been changed to (greater than 50 mg/kg)
11	Entire document		Be consistent with use of commas in numbers. For example, page 8-9 uses 7000 and 7,500.	RC	7500 cy of material could be added to the 7000 cy of material already staged at the barge landing
12	Page 8-9	3rd to last line	Add “per ton” after \$650	A	“Per ton” has been added to 650 to now read “650 per ton”
13	Paragraph 9-1	3rd to last line	Reword “...from site and Port Heiden ...”	A	From site and Port Heiden now reads “removed from the project site and Port Heiden”
14	Paragraph 9-3	first line	Delete the word “of” from “...summarize of the costs...”	A	“...summarize of the costs..” now reads, “...summarize the costs...”

¹ Response Flag: A = comment accepted. D = disagree with comment. N = Noted. RC = requires clarification or discussion

REVIEW COMMENTS

Document Reviewed: EE/CA					Page 1 of 2
Comments by: Lousi Howard		Organization: DEC			Date: 1 March 15
/No.	Original Page	Line Number	Comments	A, D, N, or RC ¹	Response
1	ES-1, 2	Executive Summary	Add regulatory citation for the source of cleanup level. For example: "...PCB contamination remains at levels above the ADEC 18 AAC 75 Method Two cleanup criterion in the subsurface and shoulders of Site Road, ..."	A	Text has been changed to say. "...PCB contamination remains at levels above the ADEC 18 AAC 75 Method Two cleanup criterion in the subsurface and shoulders of Site Road, ..."
	ES-2		Add text to first paragraph as follows: "the concentration at which PCBs are regulated under the Toxic Substances Control Act (TSCA) 15 USC §2601 et seq. (1976)."	A	Text has been added, the paragraph now reads. "...the concentration at which PCBs are regulated under the Toxic Substances Control Act (TSCA) 15 USC §2601 et seq. (1976)."
2	3-13	3.2.3	Road Shoulder Correlation Analysis ADEC requests the Air Force elaborate on PCB sampling and why Aroclor-1260 is the only aroclor of concern at Port Heiden. This is the first mention of Aroclor-1260. The text prior to this section should state that only Aroclor-1260 is found at the site and all other aroclors have not been detected in previous sampling. Otherwise, the reader is left wondering if there are other aroclors (e.g. 1016, 1210, 1216, 1221, 1231, 1232, 1240, 1242, 1254...) that are not being reported. ADEC regulates on a total concentration of PCBs not individual aroclors.	A	Text has been added which reads "Only Aroclor-1260 has been found on Site Road and adjacent areas, all other Aroclors have not been detected during previous sampling."
			2nd Paragraph PCV should read PCB.	A	PCV has been changed to PCB
3	3-15	3.2.4	Tundra Correlation Analysis ADEC requests the Air Force elaborate on how tundra sample correlation will be resolved between field lab and off-site lab in order to meet the cleanup level of 1.0 mg/kg total PCBs. Proceeding as was done in the past with an field screening action level of 0.2 mg/kg underestimated the PCB concentrations over 1.0 mg/kg. This is not acceptable to ADEC.	A	Paragraph has been added to the end of section 3. "Field laboratory results below 0.2 mg/kg for tundra samples will not be used for characterization/delineation due to the poor correlation experienced. These samples will be sent to a definitive laboratory for analysis. All characterization/delineation samples in the future will be certified by a definitive laboratory."
4	4-83 & 4-84	Table 4-8	Storage Area Pile Background Samples ADEC requests clarification on how Storage Area 1 will be further characterized to minimize waste due to sample D1 being above 1	A	The paragraph has been changed to read "Because sample D1 was taken from the east side of the southernmost end of the pile, sample D1 will

REVIEW COMMENTS

Document Reviewed: EE/CA					Page 2 of 2
Comments by: Lousi Howard		Organization: DEC			Date: 1 March 15
/No.	Original Page	Line Number	Comments	A, D, N, or RC ¹	Response
			mg/kg PCBs from the east side of the southernmost end of the pile.		be located and the surrounding soil in a 15 foot radius will be excavated down to native tundra and placed into PCB soil stockpiles. The native tundra will then be cleared in the approved 15 by 15 foot grid closure method. All soil containing more than 1.0 mg/kg PCB contamination will be excavated and placed into stockpiles to await disposal.”
	10-1	10.0	References ADEC. 2011. Oil and Other Hazardous Substances Pollution Control. 2011 (October).	A	Reference has been added to section 10.

¹Response Flag: A = comment accepted. D = disagree with comment. N = Noted. RC = requires clarification or discussion

REVIEW COMMENTS

Document Reviewed: EE/CA					Page 1 of 2
Comments by: Steven Lufkin		Organization: 611 th CES			Date: 1 March 12
/No.	Original Page	Line Number	Comments	A, D, N, or RC ¹	Response
1			The EE/CA will more specifically discuss factors considered (listed in 40 CFR 300.415(b)(2)) in determining the appropriateness of eliminating the threat to public health or welfare, or the environment through the removal action.	A	This section was amended in the report. “The determination that an NTCRA was appropriate for the site was made by considering the criteria presented in 40 Code of Federal Regulations (CFR) 300.415(b)(2), specifically the factors to determine the appropriateness of eliminating the threat to public health and the environment by conducting a NTCRA. Conditions at the site meet the criteria for determining that an NTCRA is appropriate, as outlined in the Approval Memorandum (USAF 2012). The factors considered in this determination are discussed in Section 2.8. NTCRA's are conducted when at least 6 months are available prior to initiation of onsite activities.” Section 2.8 was added into the report.
2			The EE/CA will better summarize the site investigation data, and will conclude that the vertical and horizontal extent of PCB contamination to the environment is fully delineated and characterized. Because the contamination is fully characterized the NTC removal action is very likely to result in no PCBs remaining at the site exceeding ADEC cleanup levels of 1 mg/kg.	A	Section 4.7 was inserted into the report to better summarize the Site Investigation. It reads. “In general, analytical results for characterization samples (Sections 4.1 to 4.6 of this report) indicate that PCB concentrations above cleanup criteria range from Sections 0 to 43, and Sections 78 to 90 from 0 to 2 feet bgs, and primarily range from approximately 100 feet away from the centerline of Site Road, however, PCB concentrations above cleanup criteria were found up to 200 feet from Site Road centerline in a few sample locations. PCB contamination appears to decrease rapidly with depth, and gradually as distance from Site Road centerline is increased. A larger quantity of samples

REVIEW COMMENTS

Document Reviewed: EE/CA					Page 2 of 2
Comments by: Steven Lufkin		Organization: 611th CES			Date: 1 March 12
/No.	Original Page	Line Number	Comments	A, D, N, or RC ¹	Response
					reported PCB concentrations exceeding cleanup criteria on the left side of site road. It is estimated between 19,867 to 23,391 cubic yards of PCB contaminated soil remain along Site Road and the adjacent areas in a contamination plume that encompasses approximately 894,025 to 1,052,581 square feet.”
3			The EE/CA will expand upon, and provide details of, the evaluation of remedial alternatives considered against the factors of effectiveness, implementability and cost. The EE/CA will provide a better comparative analysis to evaluate the relative performance of each alternative.	A	Table 8-1 in section 8 was amended and expanded as well as the discussion following table 8-1.

¹ Response Flag: A = comment accepted. D = disagree with comment. N = Noted. RC = requires clarification or discussion

REVIEW COMMENTS

Document Reviewed: EE/CA					Page 1 of 2
Comments by: Pat Roth		Organization: 611 th CES			Date: 22 February 12
/No.	Original Page	Line Number	Comments	A, D, N, or RC ¹	Response
1	Acronyms and Abbreviations		List all acronyms and abbreviations used in the report. No more/no less. For example, COC is used on page ES-1 but not listed. Correct the list.	A	Acronym list will be checked against text. COC will be added to list
2	ES-1	last line	Rewrite "Contamination seemed to decrease with ..." Section 4.5 is definitive saying "In all zones, contamination decreased with distance from the centerline ..."	A	Text has been changed to read. "In all zones contamination decreased with distance from Site Road."
3	ES-2	3rd line	Confirmation samples?	A	Text has been changed to clarify "From waste characterization samples taken during the TCRA and site characterization, which were sent to a definitive laboratory, it is estimated that..."
4	Figure 2-1		Isn't the barge landing north of the Fueling Station and west of the school?	A	Barge Landing location have been updated on Figure 2.1 Two locations have been identified.
5	Section 2.5.2		The span should be approximately 6,800 feet; not 6,700.	A	Text has been changed to read 6,800
6	Section 2.5.3		The span should be approximately 1,500 feet; not 1,400.	A	Text has been changed to read 1,500
7	Figure 2-10		Can you fit in road sections 78 and 79? That way it would match the title.	A	Figure has been changed to match title, now included are sections 78 and 79.
8	Page 2-27		For the bullet addressing the work in 1989, the reference given is a USAF document from 2000. Verify this reference. If it is accurate, please let me know where in the 2000 report this information is listed.	A	Reference has been updated. Reference was changed to USAF 1994.
9	Pages 7.2	4th line	(ARAR) should be (ARARs)	A	Text has been changed to (ARARs)
10	Section 8.4		Should the need for long term monitoring and the associated cost be listed here? How about the need for a LUC restricting future use of land?	RC	If soil were to be deposited in a local landfill, the landfill would be owned and operated by NVPH and not the USAF. Once the soil is accepted then responsibility is transferred. Text in section 8.4 has been updated to clarify. "...soil with a PCB concentration below 10 mg/kg would be placed in a new local landfill. The new local landfill would be

REVIEW COMMENTS

Document Reviewed: EE/CA					Page 2 of 2
Comments by: Pat Roth		Organization: 611th CES			Date: 22 February 12
/No.	Original Page	Line Number	Comments	A, D, N, or RC ¹	Response
					owned and operated by the NVPH and would charge a disposal fee and would accept responsibility of all PCB material.”
11	Section 9.2	last line	Change “include long-term monitoring.” to “require long-term monitoring nor does it create a landfill restricting future land use potentially restricting future land transfers.” Or something like that.	A	Text has been changed to “Alternative 2 does not require long-term monitoring nor does it create a landfill restricting future land use potentially restricting future land transfers.”
12	Sections 8 and 9		Should there be mention of AF goals to not create a LUC when it is feasible to remove all waste?	RC	Text in section 9.1 has been updated for clarity. “Option 3 would require Land Use Controls (LUC) and monitoring commitments to the owner of the new landfill facility, which would violate USAF goals of limiting LUC when it is feasible to remove all wastes.”
13	Page I-iii		Use 611th as you did on page I-1.	A	611th logo has been added to cover of page I-iii

¹ Response Flag: A = comment accepted. D = disagree with comment. N = Noted. RC = requires clarification or discussion

APPENDIX M
Responsiveness Summary

**UNITED STATES AIR FORCE
611TH AIR SUPPORT GROUP
611TH CIVIL ENGINEER SQUADRON**

JOINT BASE ELMENDORF-RICHARDSON, ALASKA

**SITE ROAD PCB-CONTAMINATED SOIL
REMOVAL**

**ENGINEERING EVALUATION / COST
ANALYSIS**

APPENDIX M: RESPONSIVENESS SUMMARY

PORT HEIDEN, ALASKA

**FINAL
MAY 2012**

1.0 INTRODUCTION

Jacobs Engineering Group Inc. prepared an Engineering Evaluation and Cost Analysis (EE/CA) for the U.S. Air Force (USAF), 611th Civil Engineer Squadron to address removal options of polychlorinated biphenyl (PCB)-contaminated soil from Site Road in Port Heiden Alaska. This evaluation was conducted as a non-time-critical removal action in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The EE/CA discusses the following alternatives:

- A no action alternative (required as a baseline comparison with the other alternatives)
- Complete excavation with partial local and partial offsite disposal
- Complete excavation with complete offsite disposal

Copies of the draft EE/CA were distributed for public review and comment to the USAF; U.S. Army Corps of Engineers, Alaska District; Alaska Department of Environmental Conservation; U.S. Environmental Protection Agency; and Village of Port Heiden.

The public comment period to review and provide feedback on the EE/CA was open from 29 March to 28 April 2012. Public notices of the EE/CA comment period and public meeting were posted on the public events calendars of the Anchorage Daily News and the Bristol Bay Times and were announced on, National Public Radio stations transmitting to the Anchorage and Port Heiden areas. The notice ran in the Anchorage Daily news from 3 March to 9 April and in the Bristol Bay Times from 29 March to 12 April.

Several comments and questions were received during the comment period, most concerning the design and long-term reliability of the proposed alternatives, as well as the appropriateness of the designs for the soil characteristics of the site. The responses to the comments are summarized in Section 2.0 of this appendix.

2.0 WRITTEN COMMENTS AND RESPONSES

Comment 1: Regarding Figure 2.7 and 2.8. Suggest adding some discussion what all these colors mean. Some interpretation?

Response 1: Figures 2-7 and 2-8 include a color chart in the legend that indicates the instrument responses associated with the colors. The overlying features defined as culverts, detected utilities etc. provide an indication how the colors were interpreted.

Comment 2: Regarding Figure 2-12 Are all non-blue, green and yellow areas within Section 25-31 not contain PCBs? Its not clearly defined/described in text or on figure.

Response 2: Analytical results for samples taken from the driveable surface of Site Road were summarized in the *2011 PCB-Contaminated Soil Removal at Site Road, Time-Critical Removal Action Report, Port Heiden, Alaska* (USAF 2011). The levels of PCB contamination in sections 8 through 26, sections 29 through 80, and sections 82 through 90 were below ADEC cleanup levels.

Comment 3: Regarding figure 2-13: Do all non-green and yellow areas (Sect 82-90) not contain PCBs? Not clear in text or on figure.

Response 3: As explained in Response 2, the analytical results for samples taken from Site Road, sections 82 through 90, were below ADEC cleanup levels.

Comment 4: Regarding Table 4-1 ND at what concentration? What's the detection limit?

Response 4: Nondetect (ND) levels are defined as concentrations below 0.10 mg/kg. This is based on the low calibration point, the initial dry sample weight, and the final extract volume.

Comment 5: Regarding Figures 4-15 through 4 – 22. What is the value of ND? Should be added somewhere on the legend?

Response 5: Nondetect (ND) levels are defined as concentrations below 0.10 mg/kg. This is based on the low calibration point, the initial dry sample weight, and the final extract volume.

Comment 6: Has a correlation between predominant wind direction and the bulk of the Tundra Grid results being found on the left side of the Site Road ever been examined? Are historical Rose diagrams for the airport available?

Response 6: Historical Rose diagrams were available for the Port Heiden airport indicating that predominant winds blow from the west, southeast, and northeast. The data did not indicate that dispersal was predominantly from one side.

Comment 7: Long term O, M, and M costs would be a concern. Are they included within this table? (Table 8-3)

Response 7: Costs for operations, monitoring, and maintenance are not included in this EE/CA due to the transfer of responsibility associated with contaminated material.

Comment 8: Should there be some mention of long term O, M and M costs and responsibilities within this text? (Section 9.2)

Response 8: Section 9.2 refers to implementability of the alternatives. Costs are addressed in Section 9.3. Refer to Response 7, above.

Comment 9: Add some discussion about Alternative 2 also preferable due to avoiding long term O, M, and M costs and administering.

Response 9: By removing all PCB-contaminated soil from Site Road and transporting it to a licensed treatment, storage, and disposal facility, there will be no future operations, monitoring, and maintenance costs for stockpiled soil.

3.0 CONCLUSION

Based on the comments received during the public comment period, professional experience, and feedback from federal and state regulators, the selected alternative is Alternative 2 (Removal and Offsite Disposal). Alternative 2 was endorsed during the comment period and remains the preferred alternative for addressing contamination at Site Road and surrounding areas in Port Heiden, Alaska.