



*Revised Soil Management Plan
718 Beebe Road
Central Point, Oregon*

Prepared for:
People's Bank of Commerce

June 6, 2017
2251-00



*Revised Soil Management Plan
718 Beebe Road
Central Point, Oregon*

Prepared for:
People's Bank of Commerce

June 6, 2017
2251-00

*Amanda L. Spencer, R.G., P.E.
Principal Hydrogeologist*

Table of Contents

1.0 INTRODUCTION	1
2.0 BACKGROUND	1
3.0 NATURE AND EXTENT OF SOIL CONTAMINATION	2
4.0 REMEDIAL ACTION PLAN.....	3
4.1 Soil Excavation	4
4.2 Development of Cap Over Soil Management Area.....	6
5.0 SOIL MANAGEMENT	7
5.1 Soil Handling	7
5.2 Soil Management Area Cap Inspections and Maintenance	8
5.3 Future Construction	9
6.0 RECORD KEEPING	9
7.0 REFERENCES	9

Figures

1	Site Location Map
2	Site Plan
3	Proposed Site Development Plan
4	Arsenic Concentrations in Upper 2 Feet of Soil
5	Soil Management Area

Appendices

A	<i>Independent Cleanup Program Results Report, 718 Beebe Road (Apex, 2016)</i>
B	DEQ Approval of ICP Report and Recommendations
C	Template for Cap Inspection Reporting Form

1.0 Introduction

This Soil Management Plan (SMP) was prepared for the property at 718 Beebe Road in Central Point, Oregon (the Site). A Site location map is shown on Figure 1 and a Site Plan is shown on Figure 2. Soil in some areas of the Site contain arsenic at concentrations above risk-based screening levels and above regional background concentrations. As a part of this plan, soil with arsenic above risk-based screening levels in the northwest corner of the Site will be consolidated into a Soil Management Area. The Soil Management Area is planned to be developed into a park and arsenic-containing soil in the Soil Management Area will be capped below a protective layer of soil or concrete paving as a part of the park development. This SMP describes the procedures to be followed during park development and protocols for managing the capped arsenic-containing soils following completion of the park.

The SMP provides:

- Background information on the Site (Section 2.0);
- Description of the nature and extent of soil contamination (Section 3.0)
- Identification of Soil Management Area requiring appropriate handling of soil (Section 4);
- Areas for soil removal with soil to be placed under the cap in the Soil Management Area or disposed of off-Site to an appropriate landfill; (Section 4);
- Information needed to properly handle the soil within the identified Soil Management Area and Area B during redevelopment (Section 5); and
- Maintenance plan for the cap (Section 5).

This SMP is intended to provide procedures for the handling of soil with arsenic at the Site. It is not intended to suggest or provide health-and-safety-level information for the protection of construction workers. Individuals and parties who are tasked with conducting construction activities at the Site should read this document and the documents referenced herein. They should also consult an Industrial Hygienist and/or Environmental Professional regarding the performance of their own hazard assessments to determine appropriate health and safety measures.

Groundwater sampling conducted at the Site supports that groundwater has not been impacted by previous site uses; therefore, this SMP focuses on soil management procedures.

2.0 Background

The Site is located at 718 Beebe Road in Central Point, Oregon (Figure 1). The Site is approximately 20 acres in size and is located in an agricultural/residential area (Figure 2). The Site is bounded to the north by a

pasture and private residence. It is bordered to the south by Beebe Road, with an orchard across the road. The Site is bounded to the east by a church, a young peach orchard, and construction yard; and to the west by Gebhard Road, with residences and vacant county land across the road. Additional discussion of the Site, geology, and hydrogeology are included in the *Independent Cleanup Program Results Report, 718 Beebe Road* (ICP Report; Apex Companies, LLC (Apex), 2016); a copy of this report is contained in Appendix A for reference.

The Site has been used exclusively for agricultural purposes since it was first occupied in approximately 1939. From at least 1939 to approximately 1970, a 4-acre portion of the property was used as a fruit orchard. The location of the former orchard is shown on Figure 2. The Site was also used for pasture land, grain farming, and as a vineyard from 1999 to 2004. Currently, the Site is vacant.

The Site was entered into the Oregon Department of Environmental Quality (DEQ) Independent Cleanup Program (ICP) in early 2006 to support potential development of the property for high-density housing. The development was not conducted and the ICP process was not completed. In 2015, Apex Companies was retained by People's Bank of Commerce to assist with the environmental aspects of a proposed new development for the Site. As a part of this process, the People's Bank of Commerce re-entered the Site into the ICP in early 2016 and, as described below, completed additional investigations and reporting in support of developing and completing a remedial action plan for the Site.

The proposed development plan for the Site includes high and low-density housing and a recreational park. The proposed development plan is shown on Figure 3. As noted on Figure 3, the development is planned to be completed in three phases: Phase 1 is comprised of apartment dwellings to be located in the southern portion of the Site; Phase 2 will consist of additional apartments, roadways, and the recreational park; and Phase 3 is comprised of residential housing to be located in the northwest portion of the Site.

3.0 Nature and Extent of Soil Contamination

Historically, a portion of the property was used as a fruit orchard from at least 1939 to approximately 1970. During that period of time, lead arsenate was often used as a pesticide on orchards. Soil and groundwater sampling events were conducted to evaluate the extent to which the historic use of the site as an orchard has impacted the property.

In November 2005, soil samples were collected from the area of the property that was formerly used as an orchard and submitted for metals and pesticides analyses. The results of that soil sampling event indicated arsenic and lead concentrations above regional background and low concentrations of a few pesticides. A second soil sampling event was conducted in April 2006 and additional sampling was conducted in 2016 to better refine the extent of arsenic, lead, and pesticides in Site soil. Results indicate that soil within the former orchard contain arsenic concentrations above regional background and the DEQ risk based screening

concentrations (RBCs). Figure 4 illustrates the results of the arsenic sampling and analysis conducted on Site soil. Although average arsenic concentrations outside of the former orchard area are below regional background concentrations, a localized area in the northwest corner of the Site indicated the potential for concentrations above background. This area is also shown on Figure 4.

Although lead within the orchard is above regional background concentrations, the lead concentrations are below DEQ RBCs both within and outside of the former orchard. Low concentration of a few pesticides was detected in soil both within and outside of the former orchard area; concentrations outside the orchard area were below DEQ RBCs.

A groundwater sampling event was conducted in June 2006. The results of that sampling event show that groundwater has not been impacted by the use of lead arsenate at the site.

4.0 Remedial Action Plan

A focused feasibility study of appropriate remedial alternatives was conducted for the soil within the former orchard area to mitigate potentially unacceptable risk due to the presence of the arsenic and low concentrations of a few pesticides in soil. The focused feasibility study was documented in the ICP Report (Appendix A). The recreational park area for the proposed site redevelopment is planned for the former orchard area. Therefore, the feasibility study focused on alternatives to mitigate potential risk to the future construction workers of the park and park users following construction. Based on the focused feasibility study, the following remedial action plan was recommended in the ICP report:

- Capping of the park with 2 feet of imported fill soil in landscaped areas, or by asphalt or concrete pavement in hardscape areas; and
- Development of a long-term cap maintenance and SMP for the park.

As a part of the ICP process, the DEQ reviewed the ICP Report, including the focused feasibility study recommendations, and approved the proposed remedial action plan with the following additional requirements:

- The orange-hatched area shown on Figure 4 must be excavated down to two feet depth. This soil can be placed in the Soil Management Area (i.e., the proposed park area) below the cap or disposed of off-Site at an appropriate landfill facility.
- Soil containing arsenic above background concentrations beneath the unpaved driveway located off-property directly north of the former orchard area must be removed. This soil can be placed in the Soil Management Area (i.e., the proposed park area) below the cap or disposed of off-Site at an appropriate landfill facility.
- A detailed and robust Soil Management Plan must be approved by DEQ.

-
- An Easement and Equitable Servitudes detailing approved uses for the property must be drafted by DEQ, signed by the property owner and notarized and then recorded on the property deed.

A copy of the DEQ's approval letter is contained in Appendix B.

In addition to the above, there is a portion of the former orchard area that lies outside of the current park development, as shown on Figure 4 in blue cross-hatch. The soil in this area will also be excavated down to two feet and the excavated soil placed under the cap in the Soil Management Area (i.e., the recreational park). Therefore, following completion of soil excavation described above and detailed below, the Soil Management Area will contain soil at the Site with arsenic concentrations above background levels and soil outside the Soil Management Area will not be subject to the management requirements of this SMP detailed in Section 5.0.

4.1 Soil Excavation

As described above, soil beneath the unpaved driveway located off-property directly north of the former orchard area that contains arsenic above background concentrations must be removed. In addition, soil in the orange-hatched and blue-hatched areas shown on Figure 4 must be excavated to two feet (these two areas are referred to as "Area B" herein). Figure 5 shows the excavation areas, including Area B and the off-property driveway.

4.1.1 Extent of Removals

Area B

Soil within the upper 2 feet in Area B shall be excavated, placed in the Soil Management Area, and capped. Alternatively, soil excavated from Area B may be disposed of off-site in a licensed landfill. Soil below 2 feet in Area B contains arsenic at background concentrations and does not require management beyond typical construction procedures.

Off-Property Driveway

Soil sampling and analysis for arsenic will be conducted in the hatched area shown on Figure 5 to determine the lateral and vertical extent of soil in the off-Property driveway that contains soil above the regional background concentration (12 milligrams per kilogram [mg/kg]). Soil in the driveway containing arsenic above background levels will be excavated to two feet, placed in the Soil Management Area, and capped.

4.1.2 Procedures

Prior to excavation, the following activities will be conducted:

- Conduct soil sampling and analysis for arsenic in the driveway north of the Site to assess the lateral and vertical extent of soil with arsenic above background. Samples will be collected from at least 10 locations and from two sampling intervals: 0 to 6 inches and 24 to 30 inches.
- Survey the areal extent of Area B and the extent of soil requiring removal from the northern driveway (following completion of the soil sampling and analysis described above) for lateral control.
- Prepare a soil excavation work plan describing the scope, methods, and procedures for soil excavation for submittal to DEQ. Amongst other elements, the work plan will include a description of dust suppression techniques to be employed to mitigate migration of dust during the excavation and following placement of the soil onto the Soil Management Area. These techniques could include spraying the soil within the excavation with water to keep it moist and mitigate dust generation during excavation work; and covering soil placed on the Soil Management Area with secured plastic sheeting or seeding the soil and keeping it moist until vegetated sufficiently to mitigate dust until the park area is constructed.

During excavation, an environmental professional will provide oversight to verify that the requirements of the work plan are appropriately implemented. Following completion of the excavations, a brief letter report will be prepared to document the soil removal and placement onto the soil management area and/or off-Site disposal.

4.1.3 General Soil Handling Requirements

Soil Excavation. Excavated soil from Area B and the off-property driveway shall be maintained within the limits of the excavation, stockpiled in accordance with this SMP, moved to its final destination within the Soil Management Area, or placed immediately into a waiting truck.

Stockpiling. Soil excavated from Area B and the off-property driveway that is stockpiled prior to final disposition shall be placed in a covered roll-off box or in a controlled stockpile. Stockpiles will be maintained at all times in a manner that prevents runoff, runoff, and erosion of the stockpiles. Stockpiles shall be placed on plastic sheeting (6-mil. minimum) with a berm around the perimeter of the stockpile. The berm may be constructed by laying the bottom plastic over straw bales, Jersey Barriers, ecology blocks, or by other equivalent methods. When not active, stockpiles shall be covered with plastic and secured with sand bags or equivalent.

Loading and Hauling. Arrange for transport of the contaminated soil to its final destination in the Soil Management Area or to a pre-approved treatment or disposal facility in accordance with applicable environmental laws. Excavated soil from Area B and the off-property driveway may be pushed, dozed, direct-placed, or hauled via truck to the Soil Management Area; hauled via truck to a disposal facility; or placed in a temporary stockpile. During loading to a truck, care shall be taken to minimize spillage of soil on the

exterior of the truck or clean ground surface. Any soil on the truck exterior shall be removed prior to leaving the loading area. The trucks shall be covered with a tarp prior to departing the Site. Trucks shall not be allowed to leave the Site if liquids are draining from the load. Excavated soil being hauled to a disposal facility shall be transported in accordance with appropriate Department of Transportation regulations.

Construction Equipment Decontamination. Equipment that has come into contact with contaminated media shall be decontaminated by dry-brushing to remove all visible soil. Soil removed during decontamination shall be collected and placed in the Soil Management Area or disposed of off-Site at a licensed landfill.

4.2 Development of Cap Over Soil Management Area

Once the soil from Area B and the northern off-property driveway has been placed onto the Soil Management Area, a cap can be constructed as a part of the park development. If park development does not commence shortly after the excavation work described above, the soil should be seeded to provide a vegetated cover to mitigate dust or covered with secured plastic sheeting. Acceptable dust suppression procedures for soil placed in the Soil Management Area will be detailed in the soil excavation work plan.

4.2.1 Import of Fill Soil for Use on the Cap

The development may require the import and use of fill soil to meet project grades and to cap part or all of the Soil Management Area. The chemical quality of the fill should be known before accepting for transport to, and use at, the Site. If fill is coming from virgin material in a commercial quarry, no further characterization may be needed. Fill soil excavated from other private properties should be characterized prior to acceptance at the Site. The scope and analytes for characterization should be selected on a site-specific basis dependent upon the historical/current uses of the source property. At a minimum, the soil should be tested for the presence of arsenic. It is recommended that an environmental professional be consulted to identify the appropriate scope for the fill soil characterization program and acceptance criteria. Regardless of the other acceptance criteria, soil containing arsenic at concentrations greater than 12 mg/kg (i.e., regional background) should not be accepted.

4.2.2 Cap Specifications

After placement of soil from Area B and the off-property driveway, the Soil Management Area shall be capped. Prior to placement of the cap, a demarcation fabric will be placed over the soil surface to allow easy delineation between native and cap materials during possible future excavation or digging activities. The cap shall consist of a standard pavement or sidewalk section (e.g., asphalt concrete over crushed rock or Portland cement concrete) or a minimum of 2 feet of clean soil (e.g., soil with concentrations of arsenic consistent with regional background).

Note, the future park may contain trees or other areas of shrubby vegetation that might require future replacement. To minimize the need to disturb the cap, it is recommended that large tree wells be installed where the arsenic containing soil, in an approximate 5-foot by 5-foot area around the tree, will be removed to at least five feet and the area within this tree well be backfilled with clean, imported soil when the tree is installed. This should be clearly documented during the development of the cap and park and the area of clean soil around each tree clearly demarcated. In this way, should the tree require future removal, the soil cap will not need to be disturbed and the tree removal and/or replacement can be conducted outside of this SMP.

Similarly, if subsurface utilities will be installed beneath the cap, over-sized utility corridors could be installed to house the utility lines. The utility corridors would be filled with clean, imported fill and clearly demarcated and documented. Therefore, if subgrade utilities that lie below the cap need to be accessed in the future and soil excavation is required within the utility corridor to access the utility, clean soil will be encountered and no special handling of the soil will be required.

4.2.3 Documentation

During construction of the cap, periodic oversight will be conducted by an environmental professional to document that the construction is consistent with specifications of this SMP. Elements to be noted during the oversight will include grading of the soil, laydown of the demarcation layer, placement and thickness of the soil cap, and placement, construction, and thickness of any hardscape. Photographs will be collected to provide photo-documentation of the cap construction. Following completion of the cap, a brief cap completion report will be prepared by the environmental professional to document the appropriate completion of the cap.

5.0 Soil Management

This section describes the procedures for appropriate management of soil in the Soil Management Area. The extent of the Soil Management Area is shown on Figure 5 and, as shown on the figure, coincides with the extent of the proposed recreational park at the Site. Following the soil removals identified in Section 4.0, soil outside of the Soil Management Area will not require special management and is not subject to the SMP handling procedures outlined in this section.

5.1 Soil Handling

Until demonstrated otherwise, all soil beneath the cap in the Soil Management Area shall be presumed to contain arsenic and shall be handled in accordance with the procedures in this section. The procedures in this section are in addition to the normal requirements for handling soil without arsenic.

Soil beneath the cap shall not be removed from the Soil Management Area A (or, if removed, must be disposed of at an appropriate disposal facility), unless it is soil within a “clean soil” tree well or “clean soil” utility corridor as described in Section 4.2.2, above.

Soil Excavation. Excavated soil shall be maintained within the limits of the excavation, stockpiled in accordance with this SMP, or placed immediately into a waiting truck for off-site disposal.

Stockpiling. Soil that is excavated and stockpiled prior to final disposition shall be placed in a covered roll-off box or in a controlled stockpile. Stockpiles will be maintained at all times in a manner that prevents runoff, and erosion of the stockpiles. Stockpiles shall be placed on plastic sheeting (6-mil. minimum) with a berm around the perimeter of the stockpile. The berm may be constructed by laying the bottom plastic over straw bales, Jersey Barriers, ecology blocks, or by other equivalent methods. When not active, stockpiles shall be covered with plastic and secured with sand bags or equivalent.

Loading and Hauling. Arrange for transport of the contaminated soil to its final destination in the Soil Management Area or to a pre-approved treatment or disposal facility in accordance with applicable environmental laws. Excavated soil may be placed immediately into trucks and hauled to a disposal facility; or placed in a temporary stockpile prior to replacement below the cap or taken to an off-site disposal facility. During loading to a truck, care shall be taken to minimize spillage of soil on the exterior of the truck or clean ground surface. Any soil on the truck exterior shall be removed prior to leaving the loading area. The trucks shall be covered with a tarp prior to departing the Site. Trucks shall not be allowed to leave the Site if liquids are draining from the load. Excavated soil being hauled to a disposal facility shall be transported in accordance with appropriate Department of Transportation regulations.

Construction Equipment Decontamination. Equipment that has come into contact with contaminated media shall be decontaminated by dry-brushing to remove all visible soil. Soil removed during decontamination shall be collected and placed below the cap in the Soil Management Area or disposed of off-site at a licensed landfill.

5.2 Soil Management Area Cap Inspections and Maintenance

The cap in the Soil Management Area will be maintained through a program of regular inspection and maintenance. The property owner(s) of the recreational park comprising the Soil Management Area will be responsible for cap inspection and maintenance. Inspection and maintenance of the cap shall include:

- Visual inspection of the cap annually;
- Identification and implementation of needed maintenance of the cap; and
- Preparing a field report or memorandum documenting the inspection, the performance of any required maintenance, and overall quality of the cap.

The cap shall be inspected for evidence of wear that could lead to a breach of the cap. Examples of potential breaches are broken pavement, animal burrows, and surface water erosion. Indications of potential breaches in the cap shall be repaired. A cap inspection form will be completed documenting the results of the inspection and submitted to the DEQ annually. A template for the cap inspection is included as Appendix C.

5.3 Future Construction

If construction activities are required following Site development, the following guidelines will be adhered to:

- Soil Management Area – Construction that penetrates the cap in the Soil Management Area shall be conducted following the guidelines above in Section 5.1. Soil excavated shall either be replaced below the cap or disposed of off-site in a licensed landfill. The cap shall be repaired in a manner equivalent to the original cap.
- Area B – Provided Area B is excavated as described in Section 4, no special handling is required in future construction within Area B.
- Off-Site Driveway – Provided soil in the off-property driveway is excavated as described in Section 4 and no special handling is required in future construction within Area B

6.0 Record Keeping

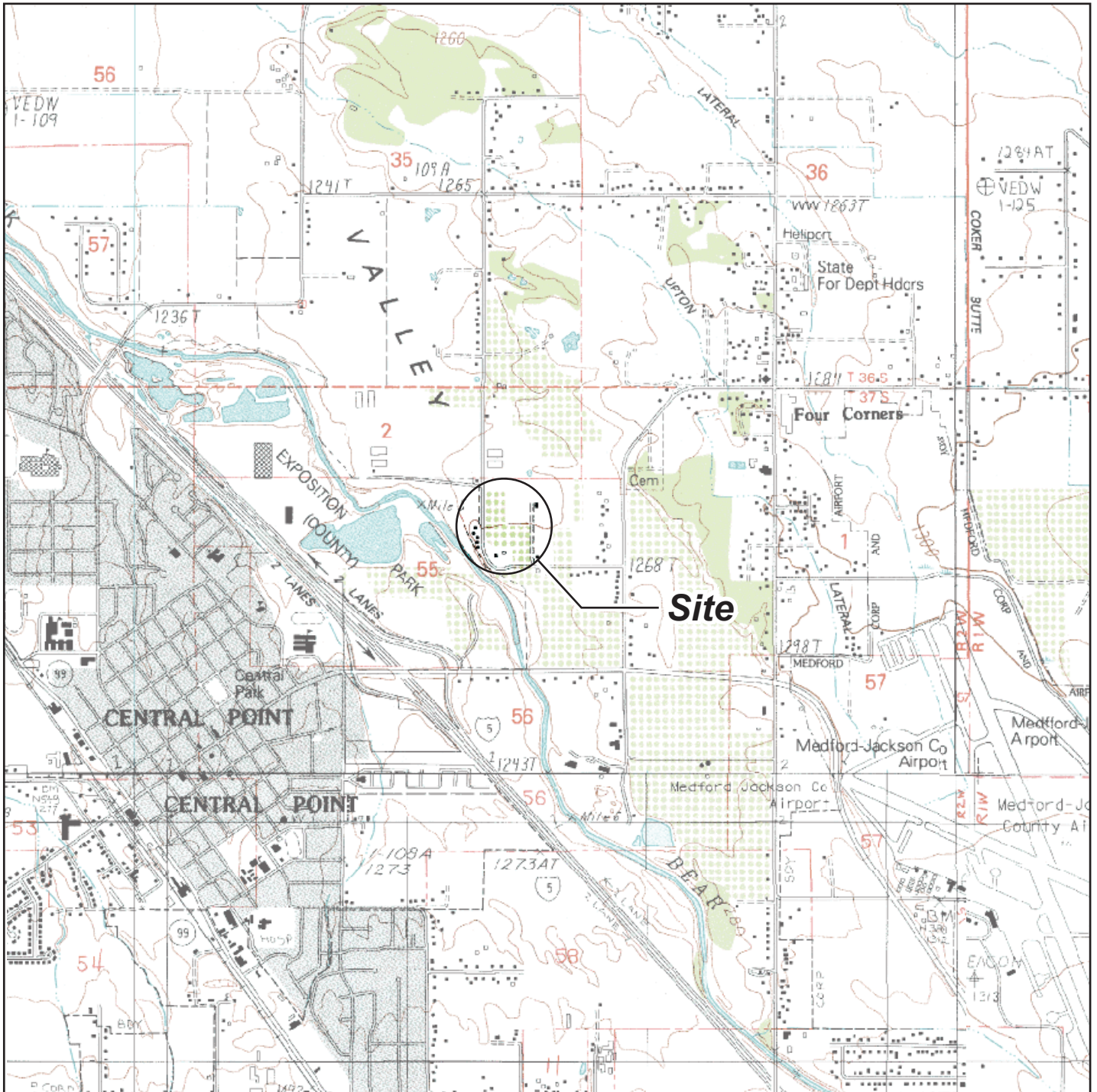
A file of cap inspection/repairs shall be maintained by the property owner(s) of the Soil Management Area. The file shall contain the following:

- Record drawings showing the construction of the cap;
- A log of inspections;
- Field reports documenting inspections and repairs (include date, time, observations, photographs, Site sketches, and other pertinent information);
- Record drawings for any future construction work in the cap area; and
- Manifests/bills of lading if soil is removed for off-site disposal.

7.0 References

Apex Companies, LLC (Apex), 2016. *Independent Cleanup Plan Report, 718 Beebe Road, Central Point, Oregon*, June 2016.

Environmental Protection Agency (EPA), 2004. *Region 9 Preliminary Remediation Goals Table*. October 2004.




Base map prepared from the USGS 7.5-minute quadrangle of Sams Valley, Oregon, 1983, as provided by Topozone.



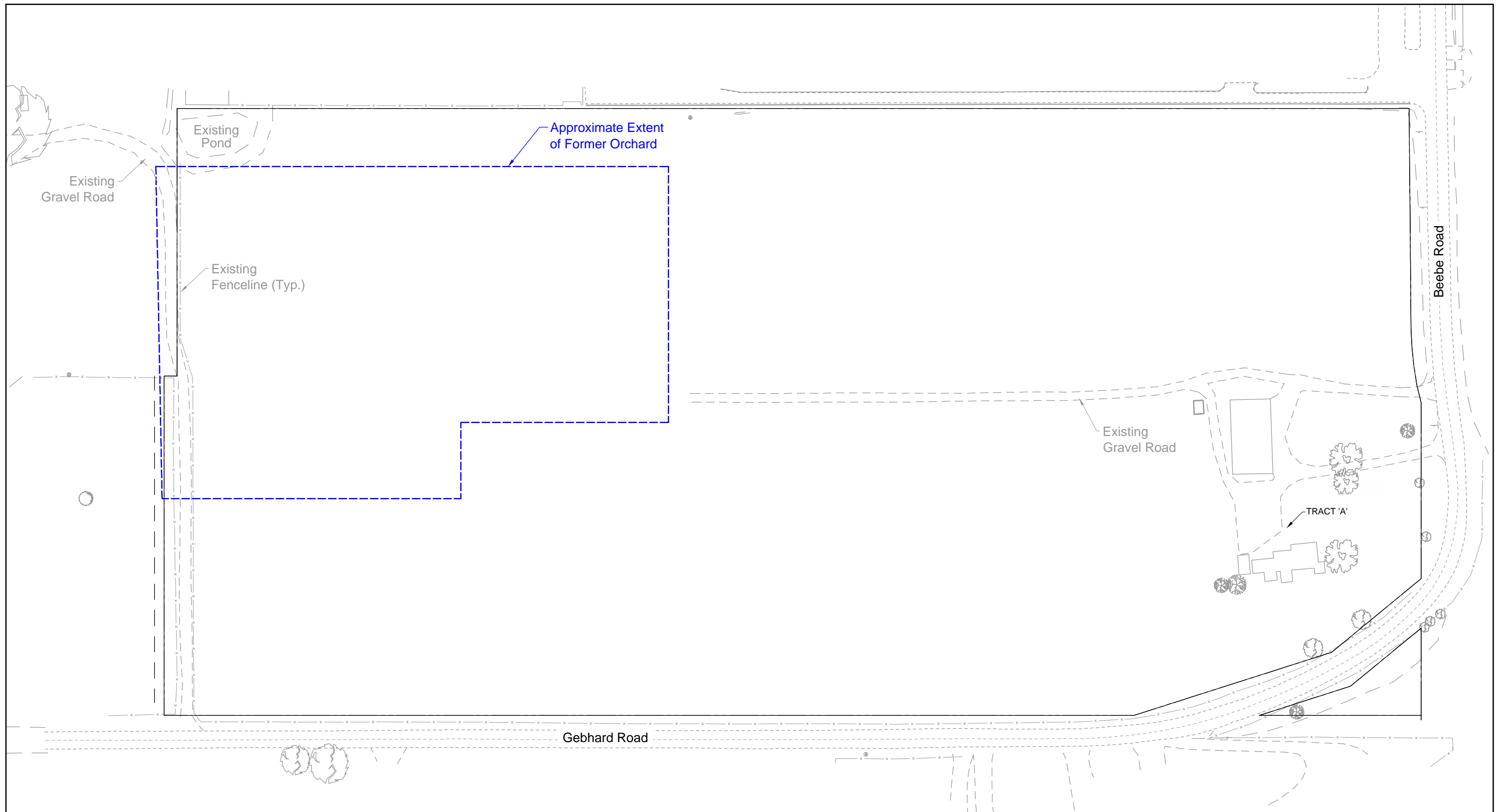
Site Location Map

Soil Management Plan
 White Hawk Development
 Central Point, Oregon

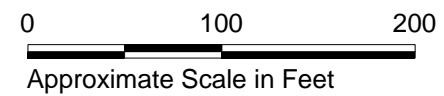
 Apex Companies, LLC
 3015 SW First Avenue
 Portland, Oregon 97201

Project Number	2251-00
June 2017	

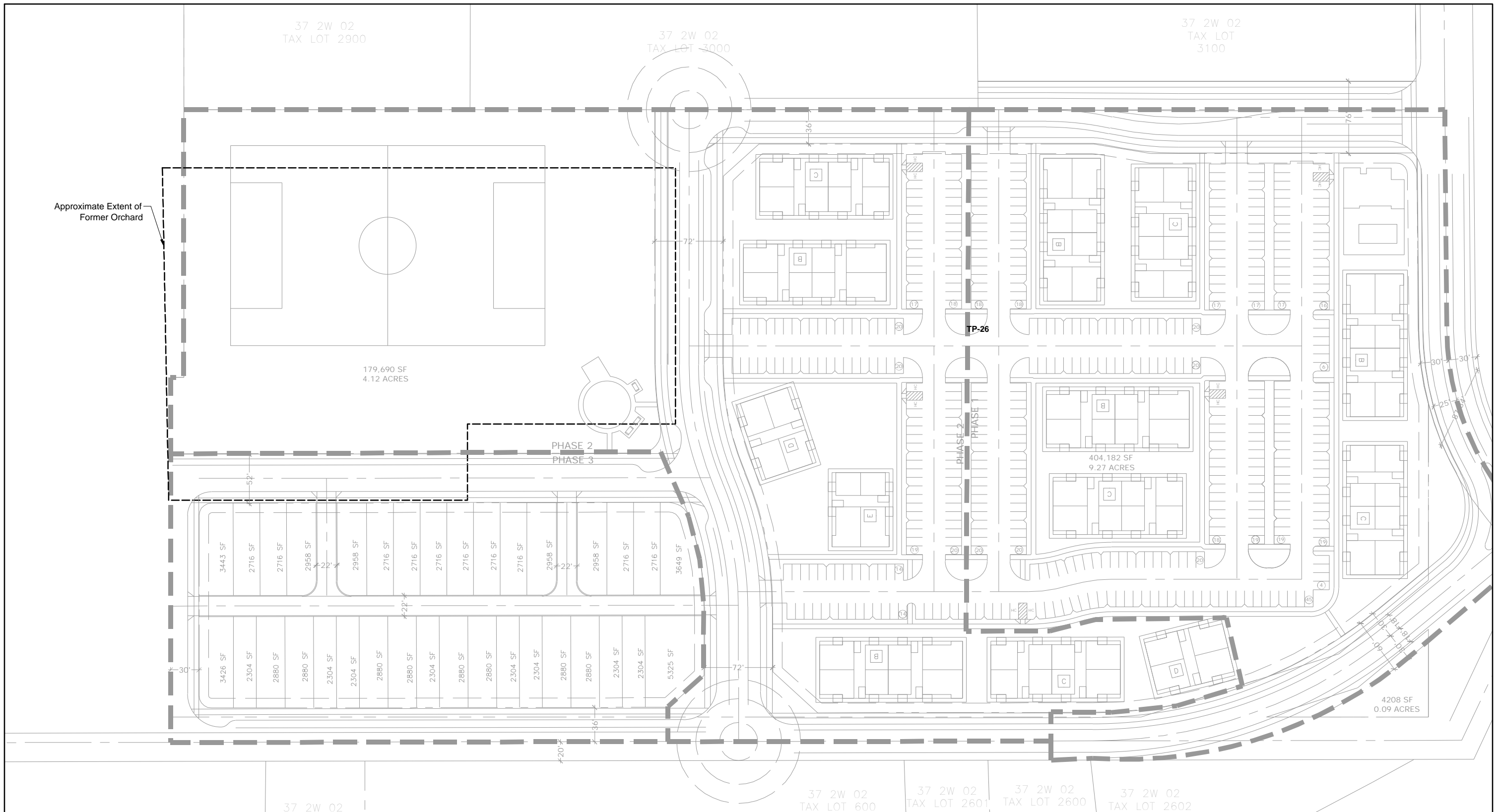
Figure	1
--------	---



- Notes:**
1. Proposed development plan supplied by CESJNW, dated 2005.
 2. Orchard boundary estimated from 1939 historical aerial photograph.



Site Plan		
Soil Management Plan White Hawk Development Central Point, Oregon		
 Apex Companies, LLC 3015 SW First Avenue Portland, Oregon 97201	Project Number 2251-00 June 2017	Figure 2



Approximate Extent of Former Orchard

179,690 SF
4.12 ACRES

PHASE 2
PHASE 3

404,182 SF
9.27 ACRES

4208 SF
0.09 ACRES

37 2W 02

37 2W 02
TAX LOT 600

37 2W 02
TAX LOT 2601

37 2W 02
TAX LOT 2600

37 2W 02
TAX LOT 2602

--- Former Orchard




0 100 200

Approximate Scale in Feet

Proposed Site Development Plan

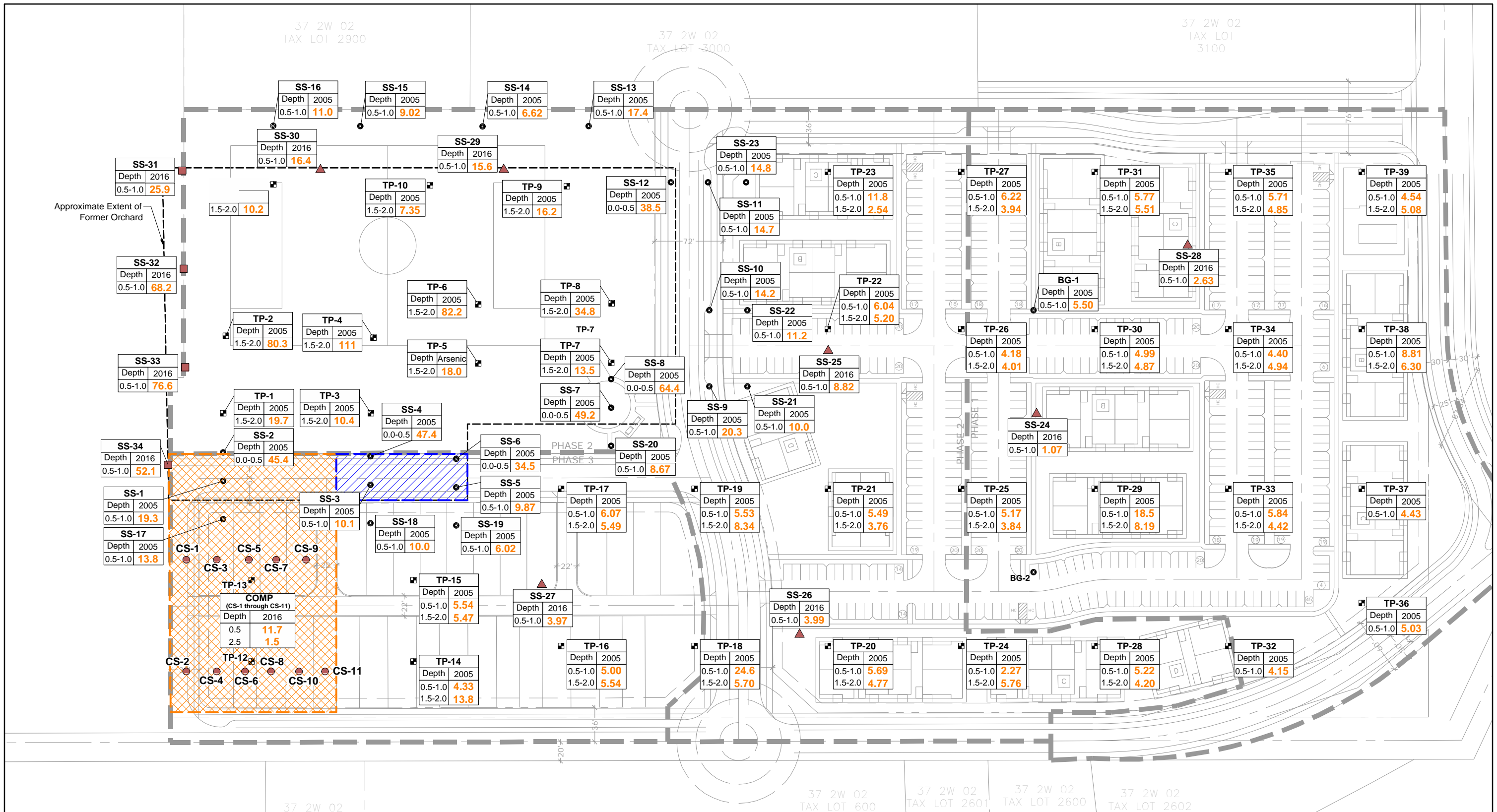
Soil Management Plan
White Hawk Development
Central Point, Oregon

 Apex Companies, LLC
3015 SW First Avenue
Portland, Oregon 97201

Project Number	2251-00
June 2017	

Figure
3

- Notes:**
1. Proposed development plan supplied by CES|NW, dated 2015.
 2. Orchard boundary estimated from 1939 historical aerial photograph.



Legend:

- CS-1 ● Composite Sample - 2016
- SS-29 ■ Discrete Sample - 2016
- SS-24 ▲ Discrete Sample - 2016
- TP-1 ■ Test Pit Soil Sampling Location - 2006
- SS-1 ● Surface Soil Location - 2006

Notes:

- Proposed development plan supplied by CES|NW, dated 2015.
- Orchard boundary estimated from 1939 historical aerial photograph.

Location Identification

SS-34	Depth	2016	
	0.5-1.0		52.1

Date Sampled

Arsenic Concentration in mg/kg

Depth of Sample

Former Orchard

Area with the Potential for Arsenic to be Above Background Concentrations in Upper 2 Feet

Former Orchard Area Outside Proposed Park

Approximate Scale in Feet

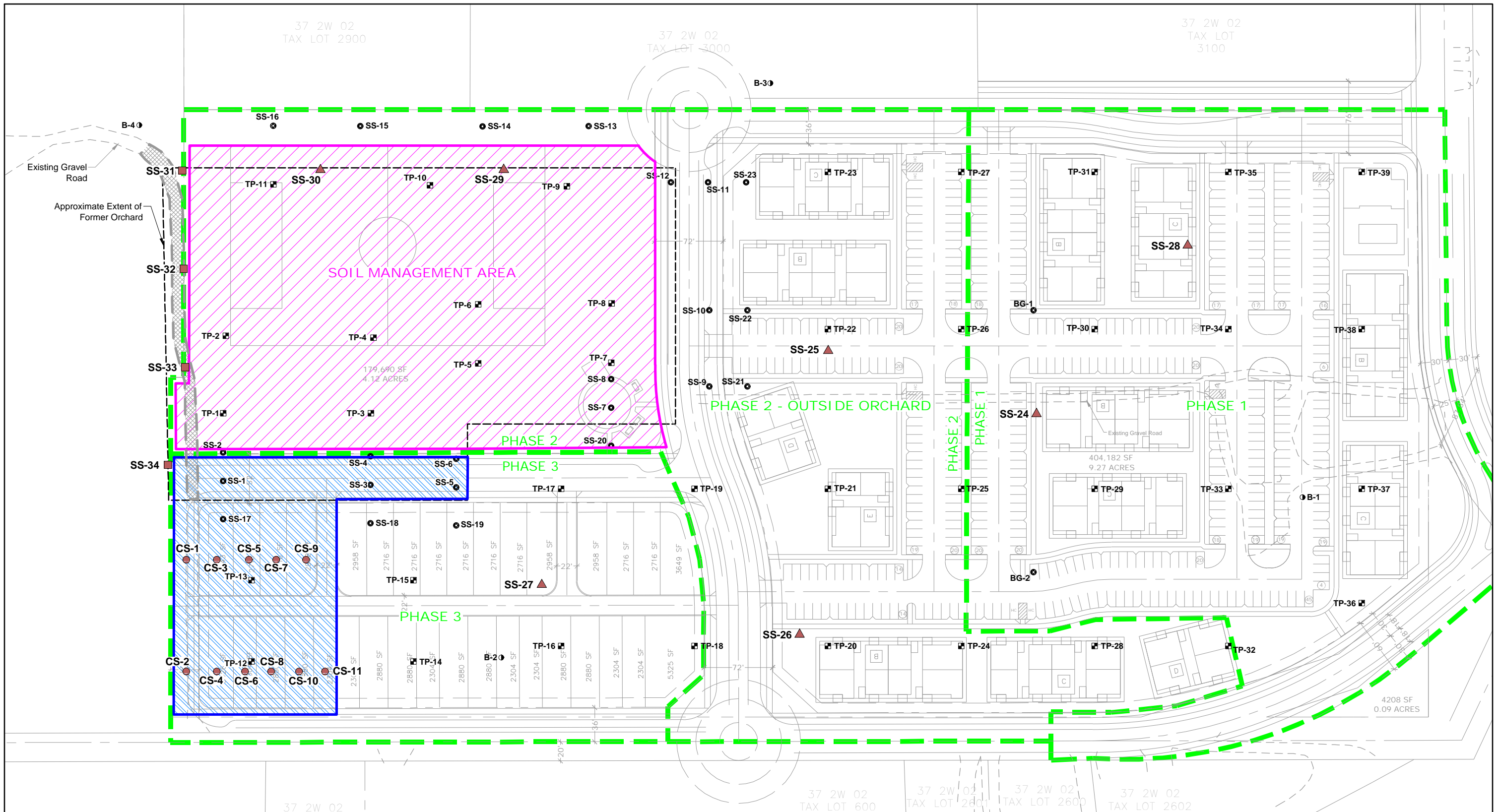
0 100 200

Arsenic Concentrations in Upper 2 Feet of Soil

Soil Management Plan
White Hawk Development
Central Point, Oregon

Project Number	2251-00	Figure	4
June 2017			

Apex Companies, LLC
3015 SW First Avenue
Portland, Oregon 97201



Legend:

- | | | |
|--------------------------------|---|----------------------|
| CS-1 ● Composite Sample - 2016 | TP-1 ■ Test Pit Soil Sampling Location - 2006 | Soil Management Area |
| SS-29 ■ Discrete Sample - 2016 | SS-1 ● Surface Soil Location - 2006 | Area B |
| SS-24 ▲ Discrete Sample - 2016 | B-1 ● Groundwater Sampling Location - 2006 | Driveway |

Notes:

1. Proposed development plan supplied by CESJNW, dated 2015.
2. Orchard boundary estimated from 1939 historical aerial photograph.



0 100 200

Approximate Scale in Feet

Soil Management Area

Soil Management Plan
White Hawk Development
Central Point, Oregon

Apex Companies, LLC
3015 SW First Avenue
Portland, Oregon 97201

Project Number	2251-00
June 2017	

Figure
5

Appendix A

***Independent Cleanup Program Results Report,
718 Beebe Road (Apex, 2016)
(on CD)***



*Independent Cleanup Program Report
718 Beebe Road
Central Point, Oregon*

Prepared for:
People's Bank of Commerce

June 13, 2016
2251-00



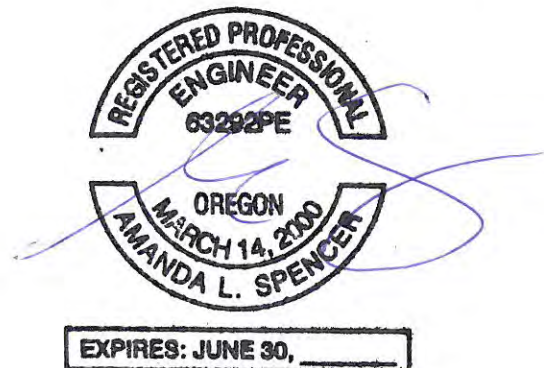
***Independent Cleanup Program Report
718 Beebe Road
Central Point, Oregon***

**Prepared for:
People's Bank of Commerce**

**June 13, 2016
2251-00**

A handwritten signature in blue ink, appearing to be 'Chris Luk', written over a horizontal line.

*Chris Luk
Staff Scientist*



*Amanda Spencer, R.G., P.E.
Principal Hydrogeologist*

Executive Summary

People's Bank of Commerce is in the processes of developing the property at 718 Beebe Road, Central Point, Oregon for use as a high density residential development and landscaped recreational use park. This Independent Cleanup Pathway (ICP) Report was prepared for and is submitted on behalf of People's Bank of Commerce, following Oregon Department of Environmental Quality guidance for ICP Report preparation.

Historically, a portion of the property was used as a fruit orchard from at least 1939 to approximately 1970. During that period of time, lead arsenate was often used as a pesticide on orchards. Soil and groundwater sampling events were conducted to evaluate the extent to which the historic use of the site as an orchard has impacted the property.

In November 2005, soil samples were collected from the area of the property that was formerly used as an orchard. The results of that soil sampling event indicated arsenic concentrations above regional background. A second soil sampling event was conducted in April 2006 and additional sampling was conducted in 2016. Results indicate that soil within the former orchard area has been impacted by the lead arsenate usage and arsenic concentrations are above regional background and the Environmental Protection Agency (EPA) residential Preliminary Remediation Goals (PRGs). Average arsenic concentrations outside of the former orchard area are below regional background concentrations. Although lead within the orchard is above regional background concentrations, the lead concentrations are below EPA residential PRGs both within and outside of the former orchard.

Low concentration of a few pesticides were detected in soil both within and outside of the former orchard area; concentrations outside the orchard area were below Environmental Protection Agency (EPA) residential Preliminary Remediation Goals (PRGs).

A groundwater sampling event was conducted in June 2006. The results of that sampling event show that groundwater has not been impacted by the use of lead-arsenate at the site.

The recreational park area for the proposed site redevelopment is planned for the former orchard area. A focused feasibility study of appropriate remedial alternatives was conducted for the soil within the former orchard area to mitigate potential unacceptable risk to future construction workers building the park and park users due to the presence of the arsenic and low concentrations of a few pesticides in soil. Based on the focused feasibility study, the following remedial action plan is recommended:

- Capping of the park with 2 feet of imported fill soil in landscaped areas, or by asphalt or concrete in hardscape areas; and
- Development of a long-term cap maintenance plan for the park.

A deed restriction will be needed for the park to ensure that the cap maintenance plan is continued into the future.

Table of Contents

EXECUTIVE SUMMARY	1
1.0 INTRODUCTION	1
2.0 SITE BACKGROUND	1
2.1 Site Location.....	1
2.2 Site Description	1
2.3 Site History and Facility Operations.....	2
2.4 Regulatory History	2
2.5 Previous Investigations.....	2
3.0 ENVIRONMENTAL SETTING	4
3.1 Climate Information	4
3.2 Topography	4
3.3 Surface Water Hydrology	4
3.4 Regional and Site Geology and Soils	4
3.5 Regional and Site Hydrogeology	5
4.0 2016 SITE INVESTIGATION	5
4.1 Scope of Work and Rationale.....	5
4.2 Methods and Procedures	6
4.3 Chemical Analysis	6
4.4 Results.....	6
5.0 SOURCES, NATURE, AND EXTENT	7
5.1 Nature and Source	7
5.2 Extent	8
6.0 EXPOSURE PATHWAY SUMMARY	9
6.1 Groundwater Pathways of Exposure	9
6.2 Direct Contact Soil Pathways of Exposure	10
6.3 Surface Water and Sediment Pathways of Exposure.....	10
6.4 Air Pathways of Exposure	10
7.0 FATE AND TRANSPORT	10
7.1 Transport	10
7.2 Degradation/Persistence	11
7.3 Demonstration of No Impact to Groundwater	11
7.4 Locality of the Facility	11
8.0 LAND AND WATER USE DETERMINATIONS	12
8.1 Current and Future Land Use.....	12
8.2 Beneficial Uses of Water	12
9.0 RISK ASSESSMENT	13
9.1 Conceptual Site Model	13

9.2 Risk Assessment	13
9.3 Hot Spot Determination	14
10.0 FEASIBILITY STUDY	14
10.1 Remedial Alternatives.....	14
10.2 Alternative Evaluation.....	15
10.3 Recommended Remedial Action	15
11.0 REFERENCES	16

Tables

1	Soil Sampling Results – Arsenic and Lead
2	Soil Sampling Results – Other Metals
3	Soil Sampling Results – Pesticides
4	Groundwater Sampling Results

Figures

1	Site Location Map
2	Site Plan
3	Site Exploration Plan
4	Lead Concentrations in Soil
5	Arsenic Concentrations in Soil Within Former Orchard Area – 2006 Investigation
6	Arsenic Concentrations in Soil Outside Former Orchard Area – 2006 Investigation
7	Arsenic and Lead Concentrations in Groundwater – 2006 Investigation
8	Arsenic Concentrations in Soil – 2016 Investigation
9	Proposed Site Development Plan
10	Arsenic Concentration in Upper 2 Feet of Soil
11	Soil Management Area

Appendices

A	Environmental Site Assessment Report
B	Results of Aerial Photograph Review and Soil Sampling Letter Report
C	Results of Soil Sampling Letter Report
D	Groundwater Sampling Boring Logs – June 2006
E	Laboratory Data Report and Chain of Custody Documentation – November 2005
F	Laboratory Data Report and Chain of Custody Documentation – April 2006
G	Laboratory Data Report and Chain of Custody Documentation – June 2006

Appendices (continued)

- H Laboratory Data Report and Chain of Custody Documentation – May 2016
- I ProUCL Results
- J Arsenic Bioavailability Source Material
- K City of Central Point Comprehensive Plan

1.0 Introduction

People's Bank of Commerce plans to develop the property at 718 Beebe Road, Central Point, Oregon (the site) for use as a high density residential development (townhomes). This Independent Cleanup Pathway (ICP) Report was prepared for and is submitted on behalf of People's Bank of Commerce, following Oregon Department of Environmental Quality (DEQ) guidance for ICP Report preparation.

Phase I and Phase II Environmental Site Assessments (ESAs) were completed in 2005 by others. The ESAs identified that the northeast corner of the site was formerly used as an orchard and it was likely that lead arsenate was used as a pesticide in the orchard area. In 2005 and 2006, site investigations were conducted and identified arsenic, lead, and low concentrations of pesticides in surface soil in the former orchard area. In particular, arsenic was detected above U.S. Environmental Protection Agency (EPA) Region 9 residential Preliminary Remediation Goals (PRGs).

In April 2016, the People's Bank of Commerce entered the ICP to obtain DEQ review and approval of proposed risk management measures to be implemented to mitigate potential unacceptable risk posed by arsenic in site soil in and near the former orchard area. Based on a meeting with the DEQ in May 2016, additional soil sampling was conducted at the site to better delineate arsenic in site soil and assess whether organo-pesticides are present outside of the former orchard area. This report summarizes the results of previous and recent site characterization activities, risk-screening of the site data, risk assessment of arsenic concentrations in soil, and an assessment of remedial options completed to select an appropriate risk management approach.

2.0 Site Background

2.1 Site Location

The site is located at 718 Beebe Road in Central Point, Oregon (Figure 1).

2.2 Site Description

The site is approximately 20 acres in size and is located in an agricultural/residential area (Figure 2). It is bounded to the north by a pasture and private residence; to the south by Beebe Road and an orchard across the road; to the east by a church and construction yard; and to the west by Gebhard Road. Residences and vacant county land are present across the Gebhard Road.

2.3 Site History and Facility Operations

2.3.1 Ownership History

The site is currently owned by the People's Bank of Commerce, who purchased the site in 2014. From 1939 to 2006, the site was owned by various members of the McMurray family, who developed the northwest corner for orchard use from at least 1939 to 1970. Duncan Development, LLC purchased the property from Albert McMurray in 2006 and the People's Bank of Commerce acquired the property from Duncan Development in 2014.

2.3.2 Operating History

The site has been used exclusively for agricultural purposes since it was first occupied in approximately 1939. From at least 1939 to approximately 1970, a 4 acre portion of the property was used as a fruit orchard. The site was also used for pasture land, grain farming, and as a vineyard from 1999 to 2004. Currently, the site is vacant.

2.4 Regulatory History

The site was entered into the ICP in early 2006 to support potential development of the property for high-density housing. The development was not conducted and the ICP process was not completed. In 2015, Apex Companies began working with People's Bank of Commerce to assist with moving ICP activities forward in support of a new residential housing development recently approved by the City of Central Point. The site was not regulated by the state or federal agencies prior to its entry into the ICP in 2006.

2.5 Previous Investigations

The following summarizes the investigations conducted prior to 2016 at the site.

March 2005. An ESA was completed in March 2005 by Cascade Earth Services (CES) for Duncan Development LLC. CES concluded that no significant environmental concerns existed at the site. A storage shed where small quantities (containers of less than 5 gallons) of oil and gasoline were stored was identified. Evidence of small spills in the shed and near the heaters were noted and reported as *de minimis* in nature. A review of the environmental records of contaminated sites in the vicinity of the property indicated that the properties did not pose a significant environmental risk to the site. An irrigation pond was observed in the northeast corner of the site. The report recommended soil sampling for lead, arsenic, herbicide, and pesticide residues, given the historical use of the northwest corner of the site as an orchard. A copy of the ESA is included in Appendix A.

April 2005. A limited soil sampling event and historical aerial photograph review were conducted by CES. The photograph review was conducted to determine where the former orchard had been located on the

property and the period of time that the orchard had been in use. One composite sample was collected from the approximately 4-acre former orchard area and analyzed for arsenic, lead, and pesticides. Detected levels of pesticides and lead were below PRGs for residential soils. Arsenic was detected at concentrations that were above the PRG for residential soils of 0.39 mg/kg (milligrams per kilogram; EPA, 2004). No map of, or information about, the soil sampling locations were provided in the report. A copy of the letter report is included in Appendix B.

August 2005. Duncan Development LLC retained CES to conduct an additional soil sampling event. Twenty-five discrete samples were taken from six different locations at the property. Four locations were in the former orchard area, one location was in a former garden area near the house, and one sample location was taken on the property in an area not used as an orchard. The samples were collected at 6-inch intervals from the ground surface to a depth of 2 feet, resulting in four samples for every sample location. An additional surface soil sample was taken at a nearby property. Twenty-two of the 25 soil samples were submitted for laboratory analysis for arsenic. Arsenic was detected in all on- and off-site samples at levels that exceed the PRG for residential soils, with the highest arsenic levels being detected in the former orchard area. No information regarding, or map showing, soil sampling locations was provided in the report. A copy of the letter report is included in Appendix C.

2006 Investigations. Based on the results from work completed during the 2005 investigations, additional groundwater and soil sampling was completed by Ash Creek Associates (now Apex) to further delineate the extent of arsenic, lead, and pesticides at the site. Surface and shallow soil samples were collected from 11 test pit locations within the former orchard area and an additional 23 surface soil samples were collected outside the former orchard area to better assess the presence and magnitude of metals and pesticides in soil across the site. Sampling locations are shown on Figure 3; the analytical results for lead/arsenic, other metals, and pesticides are tabulated in Tables 1, 2, and 3, respectively. Four soil samples were also collected outside the site boundaries to assess lead and arsenic concentrations on nearby properties for background assessment.

Lead concentrations within the former orchard area were above regional background; however, the concentrations were below EPA residential PRGs and the DEQ's RBC for residential site use of 400 mg/kg both within and outside of the former orchard area (Figure 4). Arsenic concentrations were above DEQ's risk-based concentration (RBC) and regional background concentrations for arsenic within the former orchard area (Table 1). Arsenic concentrations in soil within the former orchard area are shown on Figure 5 and outside of the former orchard area are shown on Figure 6. Outside of the orchard area, the average concentration of arsenic (based on 90 percent of the Upper Confident Limit or UCL) in surface and near surface soil was within regional background concentrations. Other metals were detected at concentrations within general regional background ranges (Table 2). Four pesticide compounds (DDT, DDE, DDD, and dieldrin) were detected at low concentrations in three locations within the former orchard area (Table 3).

Four grab groundwater samples were collected across the site, including from within the former orchard area, to assess whether the presence of lead and arsenic in site soil had impacted groundwater. Lead was not detected in the groundwater samples and arsenic was detected at low concentrations both within and downgradient from the orchard, supporting that the presence of arsenic and lead in site soil had not significantly impacted groundwater, if at all. The groundwater sampling results are tabulated in Table 4 and shown on Figure 7.

3.0 Environmental Setting

3.1 Climate Information

Average annual precipitation in Central Point, Oregon is 18.34 inches (National Climatic Data Center website, 2016). The temperature ranges from an average low of approximately 33° F in January to an average high of approximately 91° F in July (National Climatic Data Center website, 2016).

3.2 Topography

The site is relatively flat and lies at an approximate elevation of 1,250 feet above mean sea level (MSL).

3.3 Surface Water Hydrology

Bear Creek is located approximately 150 feet from the southwestern corner of the site and approximately 850 feet from the former orchard (Figure 1).

3.4 Regional and Site Geology and Soils

The site is in the Bear Creek Valley region. The regional geology consists of quaternary older alluvium that is a mixture of unconsolidated gravel, sand, silt, and clay in varying proportions; thickness ranges up to 60 feet in the region (State of Oregon Department of Geology and Mineral Industries, 1977b). This quaternary older alluvium is possibly underlain by quaternary bench gravels that are a mixture of semi-consolidated gravel, sand, clay, and silt up to 70 feet thick. The bedrock geologic unit in the Bear Creek Valley is cretaceous sedimentary rock consisting of hard conglomerate and sandstone overlain by mudstone with thick sandstone interbeds (State of Oregon Department of Geology and Mineral Industries, 1977a).

Soil encountered at the site to the depths explored (16 feet below grade) consisted of clay, with trace amounts of sand encountered in some areas.

3.5 Regional and Site Hydrogeology

Regionally, the quaternary older alluvium and bench gravels underlying the property contain restrictive soil layers and are subject to poor drainage, ponding, and high groundwater (State of Oregon Department of Geology and Mineral Industries, 1977a). The Bear Creek Valley has a shallow water-bearing zone, with groundwater encountered at less than 50 feet below the ground surface (bgs) on average (City of Medford Comprehensive Plan Environmental Element, 2003). The primary aquifer in the area is located in the alluvial deposits found in the region.

Groundwater at the site is encountered between 9 and 16 feet bgs. Based on the site topography and the presence of Bear Creek south and west of the site, groundwater at the site likely flows west or southwest, toward Bear Creek.

4.0 2016 Site Investigation

The results of previous investigations indicated the presence of arsenic in site soil at concentrations exceeding EPA's residential PRG. A draft ICP report was prepared in 2006 documenting the results and recommending a risk management approach in conjunction with proposed site development to mitigate the potential for unacceptable human health risk (Ash Creek, 2006). Site development did not occur and the ICP report was not finalized at that time. The People's Bank of Commerce has secured City approval to move forward with site development pending DEQ approval of proposed measures to mitigate the potential for unacceptable risk posed by arsenic in soil in the former orchard area. Additional soil sampling to further delineate the presence of arsenic and pesticides in site soil was requested by the DEQ in May 2016 to complete the ICP and better document site conditions in support of a risk management remedial approach. This additional investigation was conducted in May 2016 and the scope, methods, and results are presented in this section.

4.1 Scope of Work and Rationale

Apex Companies conducted additional soil sampling on May 16 and 17, 2016 based on a scope of work discussed with DEQ staff in early May 2016 and an informal investigation plan provided to the DEQ via email on May 6, 2016 and approved by DEQ on May 11, 2016. The scope of work consisted of:

- Collecting surface and shallow soil samples from 11 locations in the northwest corner of the site at depths of 0.5 foot and 2.5 feet below grade; at each depth interval, aliquots of the 11 soil samples were composited into one sample for chemical analysis. This area was sampled as a composite because the site will be graded prior to development and therefore the composite result is anticipated to be more representative of the surface concentrations after grading.
- Collecting surface soil samples from 10 additional locations across the site to provide additional delineation of arsenic and supplemental data on pesticides in surface soil.

Sample locations are shown on Figure 3 as SS-24 through SS-34, and CS-1 through CS-11.

4.2 Methods and Procedures

Both discrete and composite sampling was performed as described below.

Composite Soil Sampling. Surface (0.5-1.0 feet) and shallow (2.0 to 2.5 feet) soil samples were collected by hand auger from each location within the composite sampling area shown on Figure 3. From each depth interval, an equal aliquot was removed from each discrete sample and homogenized in a stainless steel bowl. The homogenized sample was then placed in laboratory supplied glass jars. The composite samples from each depth interval, as well as the discrete samples, were submitted to the analytical laboratory. The analytical laboratory was instructed to analyze the composite samples and hold the discrete samples pending the results of the composites.

Discrete Soil Sampling. At the soil sampling locations outside of the composite area (i.e., locations SS-24 through SS-31), discrete samples were collected from the 0.5 to 1.0 foot depth interval using a hand auger. A stainless steel spoon was used to collect each soil sample from the auger, and the samples were placed into laboratory supplied glass jars. The spoon was cleaned in an Alconox detergent solution and rinsed thoroughly with distilled water between sample collection intervals and sampling locations.

For both the discrete and composite sampling, the glass jars containing the samples were labeled with a unique identification numeral, date, location, and project name/number. The samples were then delivered to the analytical laboratory using chain of custody protocols.

4.3 Chemical Analysis

Soil samples were submitted to Apex Laboratories of Tigard, Oregon for analysis for arsenic using EPA Method 6020. In addition, the 0.5-foot depth composite soil sample and the samples collected at locations SS-24 through SS-29 were analyzed for organo-pesticides using EPA Method 8081A.

4.4 Results

Results from the 2016 investigation have been combined onto the tables that list the 2005/2006 results: arsenic results are summarized on Table 1 and pesticide results are summarized on Table 3. The laboratory report and chain of custody documentation for the May 2016 sampling and analysis event are included in Appendix H.

4.4.1 Arsenic Results

Figure 8 shows the arsenic results from the 2016 investigation. As can be seen on Figure 8, arsenic was detected at concentrations consistent with the regional background concentration of 12 mg/kg (DEQ, 2013) at locations outside of the former orchard area, with the exception of locations SS-28 and SS-29. Locations SS-29 and SS-30 are on the eastern side of the former orchard and exhibited arsenic concentrations of 15.6 mg/kg and 16.4 mg/kg, respectively, which are just above background. Samples collected just east of SS-29 and SS-30 during the 2006 investigations exhibited concentrations below background, demonstrating that the “line” of impact from the lead arsenate use at the former orchard would fall between these two lines of sampling. Samples collected at the northern property line, which is within the former orchard area, exhibited concentrations above background (Figure 8).

The composite samples collected at 0.5 foot and 2.5 foot in the northwest corner composite sampling area exhibited arsenic below background at both depth intervals. Based on these results, the discrete samples from this area were not analyzed for arsenic.

4.4.2 Pesticide Results

Low concentrations of a few pesticide compounds (DDT, DDE, DDD, endosulfan sulfate and dieldrin) were detected in the samples collected outside of the former orchard area. The concentrations were well below the EPA residential PRGs for these constituents (Table 3) and demonstrate that wide spread use of organo-pesticides did not occur at the site either within or outside of the former orchard area.

5.0 Sources, Nature, and Extent

Investigations at the property indicate the presence of lead and arsenic, as well as a few other metals and a few pesticides in shallow soil. Results of groundwater sampling show that the arsenic and lead in the shallow soil have not impacted groundwater (Table 4). Therefore, this section focusses on the nature and extent of metals and pesticides in soil.

5.1 Nature and Source

Lead arsenate was used at the fruit orchard that was previously present in the northeast corner of the site and was sprayed directly onto the trees as a pesticide. Based on conversations with Mr. McMurray and a historical review of lead arsenate usage, the lead arsenate was likely used from 1939 until the late 1950s or early 1960s. Mr. McMurray was not aware of the usage of DDT or dieldrin in the orchard, or any activities that would have contributed metals other than arsenic and lead to the site soil.

5.2 Extent

Lead. Figure 4 summarizes the lead results. Lead concentrations within the former orchard area are higher (an order of magnitude or more) than those detected outside of the former orchard area, and the extent of lead is consistent with the usage of lead arsenate within the former orchard area. However, lead concentrations both within and outside of the former orchard area are below the EPA Region 9 residential PRG.

Arsenic. Figure 5 presents the arsenic results from samples collected within the former orchard area in 2006, and Figure 6 presents the arsenic results from samples collected outside the former orchard area in 2006. As shown on the figures, the arsenic concentrations are significantly higher in the soil within the former orchard area. Arsenic concentrations appear to decrease quickly outside of the former orchard area. Additional sampling was conducted in 2016 to better assess the magnitude of the arsenic outside the eastern extent of the former orchard area, at the northern property area, in the northwest corner of the site and in a few additional locations across the site targeted for additional organo-pesticide analysis.

All of the arsenic concentrations exceed the EPA residential PRG of 0.39 mg/kg. Arsenic occurs naturally in soil, and background concentrations of arsenic in the Pacific Northwest often exceed EPA residential PRGs. In 2013, Oregon DEQ compiled a statewide database for naturally occurring metals in soil and calculated summary statistics for 16 of these metals including lead and arsenic. Based on its research, the DEQ developed background concentrations for these 16 metals in 10 regions across the state. The site falls on the boundary between the Klamath Mountain and Cascade Range regions. The background concentrations for arsenic in the Klamath Mountain and Cascade Range regions are 12 mg/kg and 19 mg/kg, respectively. To be conservative, site concentrations were compared to the Klamath Mountain region background levels (referred to herein as “regional background”) to determine which areas of the site were impacted by the lead arsenate use and which areas have arsenic concentrations typical of regional background.

To assist in this analysis, the 95 percent upper confidence level of the mean arsenic concentration (95UCL) was estimated for different areas of the site. The US EPA's ProUCL analysis tool was used to estimate the 95UCLs. Because the site will be developed in phases, the 95UCL was evaluated for each of the development phase areas under the rationale that each development area will be graded at the time of development. Therefore, the upper 2 feet of soil across each development phase will be mixed during grading and the arsenic concentration is best represented by the average of the concentrations within that development area.

Figure 9 shows the proposed development plan for the site. Figure 10 shows the arsenic concentrations in the upper 2 feet of soil across the site. The highest concentrations were observed in the former orchard area and most concentrations exceeded regional background. This area is proposed for development in Phase II as a park and will be graded and developed separate from the other area within the Phase II development. Therefore, the arsenic concentrations within the former orchard area were not included within

the 95 UCL for the Phase II development and were calculated separately. The below table summarizes the results of the 95UCL evaluation:

Development Phase	95 UCL concentration (mg/kg)
Former Orchard	33
Phase I	9.75
Phase II	10.8
Phase III	11.0

As can be seen from the above table, the 95UCL concentrations in each of the development phase areas are below regional background. Copies of the input files and results of the 95UCL calculations produced from the ProUCL program are contained in Appendix I for reference.

Other Detected Metals. As shown in Table 2, several metals were detected in soil within the former orchard area (soil samples outside of the former orchard area were not analyzed for these 17 metals). Where detected, the metals results are below regional background concentrations (using the Oregon DEQ 2013 report Klamath Mountain region compilation described above). Based on this evaluation, it does not appear that previous activities at the site have contributed metals other than arsenic and lead to the surface soil.

Pesticides. Low concentrations of DDT, DDE, DDD, and dieldrin were detected in three locations within the former orchard area during the 2006 investigations (Table 3). DDE (at one location) and dieldrin slightly exceed residential PRGs. Because samples were not collected outside of the orchard area for pesticide analysis in the 2006 investigation, seven soil samples were collected outside (or directly adjacent) of the former orchard area for organo-pesticide analysis. Detected concentrations were outside the former orchard were low and below EPA Region 10 residential PRGs (Table 3).

6.0 Exposure Pathway Summary

6.1 Groundwater Pathways of Exposure

The results of groundwater sampling conducted at the site show that arsenic and lead in the surface soil of the former orchard area have not impacted the groundwater. The arsenic has been present in the site soil for 50 years or more and the site has been unpaved throughout that time. Therefore, sufficient time has passed for the presence of the arsenic and lead to impact groundwater if the metals contained a leachable fraction. The lack of current impact to groundwater supports that the presence of arsenic or lead in site soil will not cause future impacts. Therefore, there are no current or future potential groundwater pathways of exposure, to either humans or ecological aquatic receptors.

6.2 Direct Contact Soil Pathways of Exposure

The site is currently vacant and redevelopment is being planned. The focus for this report is on potential future exposure pathways. Future human receptors include construction workers, site occupants and visitors in residential portions, and recreational users of the planned park (see Section 8 for more detail). Construction workers may be exposed to impacted soil at the site via direct contact or ingestion during future construction activities. There is also the potential for future residents and site visitors to be exposed to impacted soil at the site via direct contact or ingestion. Evaluation of the potential risk posed by these pathways is detailed in Section 9.0.

Future terrestrial receptors could be exposed to shallow soil in areas that have not been covered by pavement or buildings. However, given the nature of the redevelopment (high density residential with maintained landscaped areas and a landscaped and maintained park area), the potential for terrestrial receptors to access the site is limited, and this pathway is not considered complete.

6.3 Surface Water and Sediment Pathways of Exposure

The nearest surface water to the site is Bear Creek, located approximately 150 feet west-southwest of the site. Groundwater at the site has not been impacted; therefore, the surface water and sediment pathways of exposure are not complete.

6.4 Air Pathways of Exposure

The detected compounds would not volatilize and be transported by air, and therefore, potential air pathways of exposure by volatilization are not complete.

Future air pathways of exposure to impacted soil particulates are potentially complete. The potential exists for future construction workers, residents, and site visitors to be exposed to impacted soil at the site via inhalation of particulates (i.e., dust). Evaluation of potential risk posed by this pathway is described in Section 9.0.

7.0 Fate and Transport

Although a few pesticides were detected at low concentrations, the primary impact to site soil appears to be due to lead arsenate use. Therefore, this section focuses on the fate and transport of lead and arsenic.

7.1 Transport

The arsenic and lead present in the soil does not have significant potential to migrate beyond the site boundary. Arsenic and lead are primarily immobile in agricultural soil and tend to remain in the upper layers

of soil indefinitely (U.S. Department of Health and Human Services, 2003a, U.S. Department of Health and Human Services, 2003b).

Arsenic and lead present in the soil at the site did not affect the groundwater, as demonstrated by groundwater sampling and analysis.

7.2 Degradation/Persistence

Arsenic is an element and as such is persistent in the environment, unable to be broken down or destroyed but is readily transformed from one form to another. The range of the relative bioavailability of arsenic in residential soil used in risk assessments is typically 10 to 60 percent (Appendix J). Depending on soil conditions such as pH and oxidation-reduction potential, arsenic can exist at various oxidation states and as various chemical species in soil. This transformation between oxidation states and species is known as the arsenic cycle and is influenced by biotic and abiotic processes in the environment.(U.S. Department of Health and Human Services, 2003a). Most forms of arsenic are relatively immobile in soil and based on groundwater sampling results, the form of arsenic present on site is immobile and insoluble.

Analogous to arsenic, lead is a stable element that does not readily degrade. The form by which lead exists in soils is influenced by the properties of the soil. Chemical and biotic processes transform anthropogenic sources of lead, including lead arsenate, to forms which are adsorbed to the soil (U.S. Department of Health and Human Services, 2003b). Similar to arsenic, most forms of lead are relatively immobile in soil. Based on groundwater sampling results, the form of lead present in the site soil is largely immobile and insoluble.

7.3 Demonstration of No Impact to Groundwater

As detailed in Section 2.5, the historical use of lead arsenate has not impacted the area groundwater. The pesticides detected in a few locations within the former orchard area (DDT, DDE, DDD and dieldrin) are not soluble, adhere strongly to soil, and would not be expected to impact groundwater at the low concentrations encountered. Table 4 presents the results of the groundwater sampling conducted on June 29, 2006.

7.4 Locality of the Facility

The locality of the facility (LOF) is limited to the site. Soil has limited ability to migrate and impact is limited to the former orchard area. As discussed in Section 4.3 and above, the groundwater has not been impacted.

8.0 Land and Water Use Determinations

8.1 Current and Future Land Use

8.1.1 Current Site Use

The property is currently vacant and unused.

8.1.2 Current Land Use in Site Vicinity

Currently, the property is located in an agricultural/residential area. The site is bordered to the west by Gebhard Road, and to the south by Beebe Road. Across Gebhard Road to the west are single family homes and vacant land. Across Beebe Road to the south is an orchard. To the east of the property, there is a construction yard with an office building and a church. One single family home and pasture is located to the north of the property. New medium- to high-density residential developments have been constructed within one half mile to the north and east of the property.

8.1.3 Future Site Use

A high-density residential development is planned at the site. Figure 9 shows a plan of the proposed development. The planned development consists of townhomes and associated roadways in Phases I and II of the development, and small lot single family homes in Phase III. A landscaped and maintained park is planned for the northeast corner of the site, in the approximate location of the former orchard.

8.1.4 Future Land Use in Site Vicinity

The city of Central Point has a comprehensive plan for development of the city and surrounding areas (Appendix K). This comprehensive plan map for Central Point shows that the future land use in the site vicinity is low to high density residential with park and open spaces to the west of the property, in the vicinity of Bear Creek. Along Pine Street to the south of the property, commercial professional land use is planned.

8.2 Beneficial Uses of Water

The site is currently vacant. Future residences constructed at the site will be provided municipal water through the city of Central Point, which purchases water from the Medford Water Commission. The Medford Water Commission's primary water source is Big Butte Springs located approximately 20 miles northeast of the site. The Rogue River, located approximately 5 miles northeast of the site, provides supplemental water during the summer months.

The nearest surface water to the site is Bear Creek, which is used for recreational purposes, including fishing.

Groundwater has not been impacted by site use. The concentrations of arsenic present in the soil have been present for at least 50 years with no impact to groundwater, so future impact is not likely. Consistent with DEQ Guidance on Conducting Beneficial Water Use Determinations, no further groundwater use determinations are necessary.

9.0 Risk Assessment

9.1 Conceptual Site Model

Use of lead arsenate at the former orchard on the property has impacted shallow soil in and around the former orchard area. The primary release mechanism was spraying of lead arsenate. Possible human and ecological exposure pathways to soil were described in Section 6, and include ingestion/direct contact and inhalation. Groundwater, surface water, and sediment pathways are incomplete. The conceptual site model illustrating potentially complete exposure pathways is presented in Figure 10.

9.2 Risk Assessment

Future residential exposure to soil. Lead concentrations at the site are below residential PRGs and will not pose unacceptable risk to future site occupants or construction workers.

Based on a comparison to residential PRGs, arsenic in soil in the former orchard area could pose a potential cancer risk to future site residents in excess of DEQ's 1×10^{-6} acceptable risk level. The 95UCL for arsenic concentrations in the former orchard area is 33 mg/kg, which exceeds regional background levels of 12 mg/kg. Because the UCLs for these soils are above the PRG, it is concluded that these soils will need remedial action or risk management measures to meet DEQ's conservative requirements that excess cancer risk cannot exceed 1×10^{-6} . Section 10 provides a focused feasibility study to assess and select an appropriate remedy for the former orchard area.

The 95UCL for Phases I, II, and III development areas (excluding the former orchard area) are within the regional background of 12 mg/kg. Therefore, no remedial action or risk management is needed in these areas.

Dieldrin and DDT concentrations in the former orchard area slightly exceed residential PRGs. However, these compounds are not "driving" the risk, and risk management measures implemented for arsenic in the former orchard area will also address the presence of these pesticides.

9.3 Hot Spot Determination

For soil, a hot spot exists if the site presents an unacceptable risk and if the contamination is highly concentrated, highly mobile, or cannot be reliably contained. As arsenic is a metal, it is not highly mobile. The DEQ bases a hot spot being highly concentrated if the concentration is 100 times the acceptable risk level for potential carcinogens or 10 times the acceptable hazard index for non-carcinogens. Therefore, because arsenic is a potential carcinogen, the hot spot evaluation is conducted evaluating ten times acceptable risk. A risk assessment was not completed to evaluate acceptable risk, however, as noted in Section 7.2, the typical bioavailability of arsenic ranges from 10 to 60 percent (see Appendix J). The PRG for arsenic and the bioavailability can be used to assess a preliminary conservative acceptable risk level. Based upon the residential PRG for arsenic of 0.39 mg/kg and bioavailability range from 10 to 60 percent, a conservative acceptable risk level would range between 0.65 and 3.9 mg/kg. The hotspot threshold would therefore range between 65 and 390 mg/kg. Using a mid-range for the bioavailability (35 percent) results in a hotspot threshold of 111 mg/kg. No soil samples within or outside the former orchard area exceed this concentration. Therefore, no soil hotspots are considered to exist at the site.

For water, a hot spot is defined to exist if contamination results in a significant adverse affect on the beneficial use of that resource and if restoration or protection of the beneficial use can occur within a reasonable amount of time. The groundwater has not been impacted by the site. Therefore, hot spots in water do not exist.

10.0 Feasibility Study

Conclusions from risk screening and assessment presented in Section 9.0 show that remedial action and/or risk management is needed to mitigate potential unacceptable risk posed by arsenic in site soil within the former orchard area. This area is referred to the Soil Management Area A herein and is shown on Figure 11. Remedial action alternatives were evaluated for soil in this area. It is recognized that the site is to be redeveloped; therefore, the remedial action alternatives that would not be compatible with imminent site development were not selected for evaluation (e.g., *in situ* immobilization, etc.).

10.1 Remedial Alternatives

The remedial action objectives for the site are to mitigate risk such that site residents, visitors, construction workers, or recreational users would not be exposed to arsenic at concentrations exceeding regional background levels.

The following alternatives were evaluated:

- No Action;
- Soil Capping; and

-
- Removal.

No action would consist of no remedial action to be applied at the site. Capping the impacted soil would consist of covering the soil with clean soil or other materials (asphalt, concrete, etc.). The cap would act to contain the impacted soil and prevent contact by residents or visitors. Removal of the impacted soil would involve excavation and appropriate disposal. For the capping or removal alternatives, engineering controls would be used to prevent exposures to construction workers.

10.2 Alternative Evaluation

No Action. No action would be very cost effective and easily implementable. However, this alternative would not accomplish the remedial action objectives discussed in Section 10.1.

Soil Capping. Capping would effectively mitigate contact, would be cost effective, and moderately easy to implement and incorporate into the site development plans. A soil management plan would need to be incorporated to ensure capping was completed in the correct areas during development and the capped areas were adequately maintained after installation.

Removal. Removal of the impacted soil to regional background levels and offsite disposal would be moderately easy to implement but would be very expensive. If implemented in the former orchard area shown as Soil Management Area A on Figure 10, the cost of excavation and offsite disposal would be approximately \$4,000,000. This cost is based upon excavation and removal of soil from the ground surface to 5 feet bgs over the soil management areas represented by Areas A (Figure 10), and disposal at a solid waste landfill. Based on previous experience the per yard cost for the excavation, transport and disposal would be approximately \$125 per cubic yard of soil removed. This alternative would not be cost effective. However, portions of the soil in soil management area A could be excavated and the soil placed in other areas that will be capped.

10.3 Recommended Remedial Action

A remedial action that entails capping of the Soil Management Area A is recommended. Specifically, the remedial action plan would entail capping of Area A with 2 feet of imported fill soil in landscaped areas, or by asphalt or concrete in hardscape areas and development of a long-term cap maintenance plan for Area A.

A deed restriction would likely be required for Area A to ensure that the cap maintenance plan is continued into the future.

11.0 References

Ash Creek Associates, DRAFT Independent Cleanup Plan Report, 718 Beebe Road, Central Point, Oregon, October 2006.

City of Central Point website. September 28, 2000. Comprehensive Plan Map. September 20, 2006.
<http://www.ci.central-point.or.us/docs/comp_plan_1984_big.jpg>

City of Medford Planning Department. City of Medford Comprehensive Plan Environment Element. April 17, 2003

Environmental Protection Agency. Region 9 Preliminary Remediation Goals Table. October 2004.

Kabata-Pendias, A., and H. Pendias. 1984. Trace Elements in Soils and Plants. CRC Press, Inc., Boca Raton, FL.

National Climatic Data Center website. May 27, 2005. Local Climatological Data Map. 2005.
<<http://gjis.ncdc.noaa.gov>>

State of Oregon Department of Geology and Mineral Industries. Geologic Map of the Medford Quadrangle Oregon. 1977a. Ralph S. Mason, State geologist. C.A. Schumacher, Chief Cartographer

State of Oregon Department of Geology and Mineral Industries. Land Use Geology of Central Jackson County, Oregon. 1977b. Ralph S. Mason, State geologist.

U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry. Draft Toxicological Profile for Arsenic. September 2005a.

U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry. Draft Toxicological Profile for Lead. September 2005b.

Washington Department of Ecology. Natural Background Soil Metals Concentrations in Washington State. Publication #94-115. October 1994.

Table 1
Soil Sampling Results - Arsenic and Lead
718 Beebe Road
Central Point, Oregon

Sample ID:	TP-1/S-1	TP-1/S-2	TP-1/S-3	TP-1/S-4	TP-1/S-5	TP-2/S-1	TP-2/S-2	TP-2/S-3	TP-2/S-4	TP-2/S-5	TP-3/S-1	TP-3/S-2	TP-3/S-3	TP-3/S-4	TP-3/S-4 Dup	TP-3/S-5	TP-4/S-1	TP-4/S-2	TP-4/S-3	TP-4/S-4	TP-4/S-5	
Sample Date:	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005
Depth (feet):	1.5 - 2.0	2.0 - 2.5	2.5 - 3.0	3.0 - 3.5	3.5 - 4.0	1.5 - 2.0	2.0 - 2.5	2.5 - 3.0	3.0 - 3.5	3.5 - 4.0	1.5 - 2.0	2.0 - 2.5	2.5 - 3.0	3.0 - 3.5	3.0 - 3.5	3.5 - 4.0	1.5 - 2.0	2.0 - 2.5	2.5 - 3.0	3.0 - 3.5	3.5 - 4.0	
	Concentration in mg/kg (ppm)																					
Arsenic	19.7	16.9	5.46	8.63	4.47	80.3	12.8	8.00	13.3	6.40	10.4	6.12	52.8	23.7	7.91	8.59	111	83.1	54.1	33.9	15.5	
Lead	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	333	--	--	--	
Sample ID:	TP-5/S-1	TP-5/S-2	TP-5/S-3	TP-5/S-4	TP-5/S-5	TP-6/S-1	TP-6/S-2	TP-6/S-3	TP-6/S-4	TP-6/S-5	TP-7/S-1	TP-7/S-1 Dup	TP-7/S-2	TP-7/S-3	TP-7/S-4	TP-7/S-5	TP-8/S-1	TP-8/S-2	TP-8/S-3	TP-8/S-4	TP-8/S-5	
Sample Date:	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/10/2005	11/10/2005	11/10/2005	11/10/2005	11/10/2005	
Depth (feet):	1.5 - 2.0	2.0 - 2.5	2.5 - 3.0	3.0 - 3.5	3.5 - 4.0	1.5 - 2.0	2.0 - 2.5	2.5 - 3.0	3.0 - 3.5	3.5 - 4.0	1.5 - 2.0	1.5 - 2.0	2.0 - 2.5	2.5 - 3.0	3.0 - 3.5	3.5 - 4.0	1.5 - 2.0	2.0 - 2.5	2.5 - 3.0	3.0 - 3.5	3.5 - 4.0	
	Concentration in mg/kg (ppm)																					
Arsenic	18.0	4.43	16.9	6.94	7.68	82.2	34.8	5.64	25.1	54.7	13.5	7.19	5.70	7.80	6.25	5.23	34.8	28.6	5.51	16.2	6.22	
Lead	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Sample ID:	TP-9/S-1	TP-9/S-2	TP-9/S-3	TP-9/S-4	TP-9/S-5	TP-10/S-1	TP-10/S-2	TP-10/S-2 Dup	TP-10/S-3	TP-10/S-4	TP-10/S-5	TP-11/S-1	TP-11/S-2	TP-11/S-3	TP-11/S-4	TP-11/S-5	SS-1	SS-2	SS-3	SS-4	SS-5	
Sample Date:	11/10/2005	11/10/2005	11/10/2005	11/10/2005	11/10/2005	11/10/2005	11/10/2005	11/10/2005	11/10/2005	11/10/2005	11/10/2005	11/10/2005	11/10/2005	11/10/2005	11/10/2005	11/10/2005	11/10/2005	11/10/2005	11/10/2005	11/10/2005	11/10/2005	
Depth (feet):	1.5 - 2.0	2.0 - 2.5	2.5 - 3.0	3.0 - 3.5	3.5 - 4.0	1.5 - 2.0	2.0 - 2.5	2.0 - 2.5	2.5 - 3.0	3.0 - 3.5	3.5 - 4.0	1.5 - 2.0	2.0 - 2.5	2.5 - 3.0	3.0 - 3.5	3.5 - 4.0	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	
	Concentration in mg/kg (ppm)																					
Arsenic	16.2	6.76	12.1	11.4	11.5	7.35	22.5	6.20	23.9	17.0	8.56	10.2	6.32	6.54	7.34	6.63	19.3	45.4	10.1	47.4	9.87	
Lead	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	204	--	--	--	
Sample ID:	SS-5 Dup	SS-6	SS-7	SS-8	SS-9	SS-10	SS-11	SS-12	SS-13	SS-14	SS-15	SS-16	SS-17	SS-18	SS-19	SS-20	SS-21	SS-22	SS-23	BG-1	BG-2	
Sample Date:	11/10/2005	11/10/2005	11/10/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	
Depth (feet):	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	
	Concentration in mg/kg (ppm)																					
Arsenic	9.12	34.5	49.2	64.4	20.3	14.2	14.7	38.5	17.4	6.62	9.02	11.0	13.8	10.0	6.02	8.67	10.0	11.2	14.8	5.50	7.88	
Lead	--	--	--	329	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Sample ID:	BG-3	BG-4	BG-5	BG-6	TP-12-1	TP-12-2	TP-13-1	TP-13-2	TP-14-1	TP-14-2	TP-15-1	TP-15-2	TP-16-1	TP-16-2	TP-17-1	TP-17-2	TP-18-1	TP-18-2	TP-19-1	TP-19-2	TP-20-1	
Sample Date:	11/11/2005	11/11/2005	11/11/2005	11/11/2005	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	
Depth (feet):	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0.5 - 1.0	1.5 - 2	0.5 - 1.0	1.5 - 2	0.5 - 1.0	1.5 - 2	0.5 - 1.0	1.5 - 2	0.5 - 1.0	1.5 - 2	0.5 - 1.0	1.5 - 2	0.5 - 1.0	1.5 - 2	0.5 - 1.0	1.5 - 2	0.5 - 1.0	
	Concentration in mg/kg (ppm)																					
Arsenic	2.26	1.84	2.35	3.83	10.8	21.6	25.5	33.5	4.33	13.8	5.54	5.47	5.00	5.54	6.07	5.49	24.6	5.70	5.53	8.34	5.69	
Lead	--	5.90	--	--	24.4	--	58.1	--	7.84	--	5.38	--	5.38	--	6.68	--	59.2	--	6.90	--	5.53	
Sample ID:	TP-20-2	TP-21-1	TP-21-2	TP-22-1	TP-22-2	TP-23-1	TP-23-2	TP-24-1	TP-24-2	TP-25-1	TP-25-2	TP-26-1	TP-26-2	TP-27-1	TP-27-2	TP-28-1	TP-28-2	TP-29-1	TP-29-2	TP-30-1	TP-30-2	
Sample Date:	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	
Depth (feet):	1.5 - 2	0.5 - 1.0	1.5 - 2	0.5 - 1.0	1.5 - 2	0.5 - 1.0	1.5 - 2	0.5 - 1.0	1.5 - 2	0.5 - 1.0	1.5 - 2	0.5 - 1.0	1.5 - 2	0.5 - 1.0	1.5 - 2	0.5 - 1.0	1.5 - 2	0.5 - 1.0	1.5 - 2	0.5 - 1.0	1.5 - 2	
	Concentration in mg/kg (ppm)																					
Arsenic	4.77	5.49	3.76	6.04	5.20	11.8	2.54	2.27	5.76	5.17	3.84	4.18	4.01	6.22	3.94	5.22	4.20	18.5	8.19	4.99	4.87	
Lead	--	9.58	--	10.4	--	28.7	--	4.19	--	15.0	--	6.60	--	12.6	--	7.83	--	70.3	--	7.74	--	
Sample ID:	TP-31-1	TP-31-2	TP-32-1	TP-33-1	TP-33-2	TP-34-1	TP-34-2	TP-35-1	TP-35-2	TP-36-1	TP-37-1	TP-38-1	TP-38-2	TP-39-1	TP-39-2	SS-24	SS-25	SS-26	SS-27	SS-28	SS-29	
Sample Date:	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	4/17/2006	5/17/2016	5/17/2016	5/17/2016	5/17/2016	5/17/2016	5/17/2016	
Depth (feet):	0.5 - 1.0	1.5 - 2	0.5 - 1.0	0.5 - 1.0	1.0 - 1.5	0.5 - 1.0	1.5 - 2	0.5 - 1.0	1.5 - 2	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0	1.5 - 2	0.5 - 1.0	1.5 - 2	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	
	Concentration in mg/kg (ppm)																					
Arsenic	5.77	5.51	4.15	5.84	4.42	4.40	4.94	5.71	4.85	5.03	4.43	8.81	6.30	4.54	5.08	1.07	8.82	3.99	3.97	2.63	15.6	
Lead	11.6	--	9.58	18.0	--	4.59	--	6.26	--	10.5	6.94	27.5	--	13.4	--	--	--	--	--	--	--	
Sample ID:	SS-30	SS-31	SS-32	SS-33	SS-34	Comp																
Sample Date:	5/17/2016	5/17/2016	5/17/2016	5/17/2016	5/17/2016	5/18/2016																
Depth (feet):	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5	2.5															
	Concentration in mg/kg (ppm)																					
Arsenic	16.4	25.9	68.3	76.6	52.1	11.7	11.5															
Lead	--	--	--	--	--	--	--															

- Notes:**
1. mg/kg (ppm) = milligrams per kilogram (parts per million)
 2. "--" = sample not analyzed for this analyte

Table 2
Soil Sampling Results - Other Metals
718 Beebe Road
Central Point, Oregon

Sample ID:	TP-4/S-2	SS-2	SS-8	BG-4	Background Concentrations	Region 9 EPA Residential PRGs ⁵
Sample Date:	11/9/2005	11/10/2005	11/11/2005	11/11/2005		
Depth (feet):	2.0 - 2.5	0 - 0.5	0 - 0.5	0 - 0.5	⁴	
Concentration in mg/kg (ppm)						
Antimony	<0.485	<0.505	<0.495	<0.476	0.59	--
Barium	190	170	199	108	630	5,400
Beryllium	0.532	<0.505	0.500	<0.476	1.4	150
Cadmium	<0.485	<0.505	<0.495	<0.476	0.52	--
Chromium	28.6	26.5	31.3	16.3	890	210
Cobalt	15.2	13.7	15.2	8.10	na	900
Copper	38.0	42.3	42.7	18.2	110	3,100
Mercury	<0.0846	<0.088	<0.0829	<0.0717	0.17	--
Molybdenum	<2.43	<3.03	<2.97	<2.86	na	--
Nickel	18.8	16.1	18.9	10.0	630	1,600
Selenium	0.569	<0.505	<0.495	<0.476	0.8	390
Silver	<0.485	<0.505	<0.495	<0.476	0.16	--
Thallium	<0.485	<0.505	<0.495	<0.476	0.31	--
Vanadium	82.3	72.7	81.2	49.0	290.0	78
Zinc	72.1	72.0	81.7	40.2	140	23,000

Notes:

1. **Bold** indicates detected concentration above background; shaded indicates above background and PRG.
 Detected concentrations bolded where background is not available.
2. mg/kg (ppm) = milligrams per kilogram (parts per million)
3. -- = Not applicable. Analyte not detected in any sample, so no comparison to PRG necessary.
4. Source: Washington Department of Ecology. Natural Background Soil Metals Concentrations in Washington State. Publication #94-115. October 1994.
5. Source: Environmental Protection Agency. Region 9 Preliminary Remediation Goals Table. October 2004.

Table 3
Soil Sampling Results - Pesticides
718 Beebe Road
Central Point, Oregon

Sample ID Date	TP-4/S-2 11/9/2005	SS-2 11/10/2005	SS-8 11/11/2005	BG-4 11/11/2005	SS-24 5/17/2016	SS-25 5/17/2016	SS-26 5/17/2016	SS-27 5/17/2016	SS-28 5/17/2016	SS-29 5/17/2016	SS-30 5/17/2016	Comp 5/18/2016	Region 9 EPA Residential PRGs ⁵
Depth (feet)	2 - 2.5	0 - 0.5	0 - 0.5	0 - 0.5	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	0.5	
	Concentration in µg/kg (ppb)												
Aldrin	<8.37	<8.15	<8.83	<7.61	<0.917	<0.958	<0.913	<0.974	<0.915	<1.07	<1.06	<1.00	--
alpha-BHC	<8.37	<8.15	<8.83	<7.61	<0.917	<0.958	<0.913	<0.974	<0.915	<1.07	<1.06	<1.00	--
beta-BHC	<8.37	<8.15	<8.83	<7.61	<0.917	<0.958	<0.913	<0.974	<0.915	<1.07	<1.06	<1.00	--
delta-BHC	<8.37	<8.15	<8.83	<7.61	<0.917	<0.958	<0.913	<0.974	<0.915	<1.07	<1.06	<1.00	--
gamma-BHC (lindane)	<8.37	<8.15	<8.83	<7.61	<0.917	<0.958	<0.913	<0.974	<0.915	<1.07	<1.06	<1.00	--
gamma-Chlordane	<8.37	<8.15	<8.83	<7.61	<0.917	<0.958	<0.913	<0.974	<0.915	<1.07	<1.06	<1.00	--
alpha-Chlordane	<8.37	<8.15	<8.83	<7.61	<0.917	<0.958	<0.913	<0.974	<0.915	<1.07	<1.06	<1.00	--
Chlordane (tech)	<187	<183	<198	<170	<27.5	<2.88	<27.4	<29.2	<27.4	<32.0	<31.7	<30.1	--
4,4'-DDD	67.3	57.6	34.9	<7.61	<0.917	<0.958	<0.913	<0.974	<0.915	<1.07	4.4	<1.00	2,200
4,4'-DDE	624	990	1,960	<7.61	2.82	91	15.9	14.4	<0.915	18.5	159	52.2	1,600
4,4'-DDT	412	634	1,110	<7.61	<0.917	65	10.1	19.4	<0.915	19.1	154	29.7	1,900
Dieldrin	76.8	115	103	<7.61	<0.917	23.3	2.64	<0.974	<0.915	<1.07	25.6	1.88	33
Endosulfan I	<8.37	<8.15	<8.83	<7.61	<0.917	<0.958	<0.913	<1.95	<0.915	<1.07	<1.06	<1.00	--
Endosulfan II	<8.37	<8.15	<8.83	<7.61	<0.917	<0.958	<0.913	5.62	<0.915	<1.07	<1.06	<1.00	370
Endosulfan Sulfate	<8.37	<8.15	<8.83	<7.61	<0.917	<1.92	<0.913	30.5	<0.915	<1.07	2.43	1.81	NA
Endrin	<8.37	<8.15	<8.83	<7.61	<0.917	<0.958	<0.913	<0.974	<0.915	<1.07	<1.06	<1.00	--
Endrin Aldehyde	<8.37	<8.15	<8.83	<7.61	<0.917	<1.92	<0.913	<0.974	<0.915	<1.07	<1.06	<1.00	--
Endrin Ketone	<8.37	<8.15	<8.83	<7.61	<0.917	<7.86	<0.913	<0.974	<0.915	<1.07	<1.06	<1.00	--
Heptachlor	<8.37	<8.15	<8.83	<7.61	<0.917	<0.958	<0.913	<0.974	<0.915	<1.07	<1.06	<1.00	--
Heptachlor Epoxide	<8.37	<8.15	<8.83	<7.61	<0.917	<0.958	<0.913	<0.974	<0.915	<1.07	<1.06	<1.00	--
Methoxychlor	<41.8	<40.8	16.0	<7.61	<2.75	<2.88	<2.74	<2.92	<2.74	<3.2	<6.34	<6.02	310
Toxaphene	<250	<243	<264	<227	<27.5	<28.8	<27.4	<29.2	<27.4	<32.0	<31.7	<60.2	--

Notes:

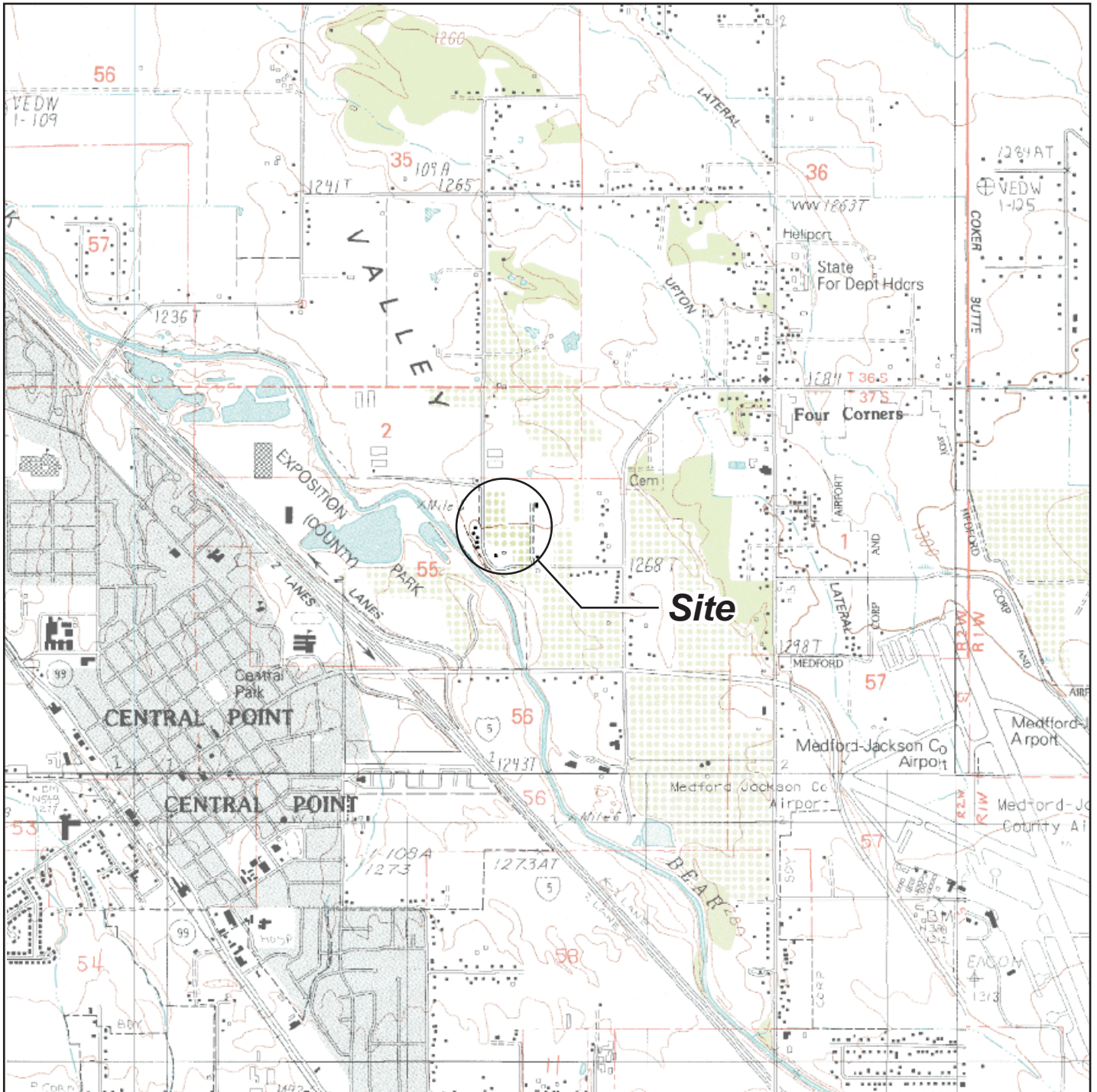
1. **Bold** indicates detected concentration above method reporting limit.
2. Shading indicates concentration is above Preliminary Remediation Goal (PRG).
3. µg/kg (ppb) = micrograms per kilogram (parts per billion)
4. -- Analyte not detected in any sample, so no comparison to PRG necessary.
5. NA = PRG not available.
6. Source: Environmental Protection Agency. Region 9 Preliminary Remediation Goals Table. October 2014.

Table 4
 Groundwater Sampling Results
 718 Beebe Road
 Central Point, Oregon

Sample ID:	B-1-20	B-2-15	B-3-15	B-4-15
Sample Date:	6/29/2006	6/29/2006	6/29/2006	6/29/2006
Screen Interval (feet):	15 - 20	10 - 15	10 - 15	10 - 15
	Concentration in mg/L (ppm)			
Arsenic	0.00112	0.00220	0.00134	0.00199
Lead	< 0.00100	<0.0010	<0.0010	<0.0010

Notes:

1. **Bold** indicates detected concentration above method detection limit.
2. mg/L (ppm) = milligrams per liter (parts per million)



Base map prepared from the USGS 7.5-minute quadrangle of Sams Valley, Oregon, 1983, as provided by Topozone.



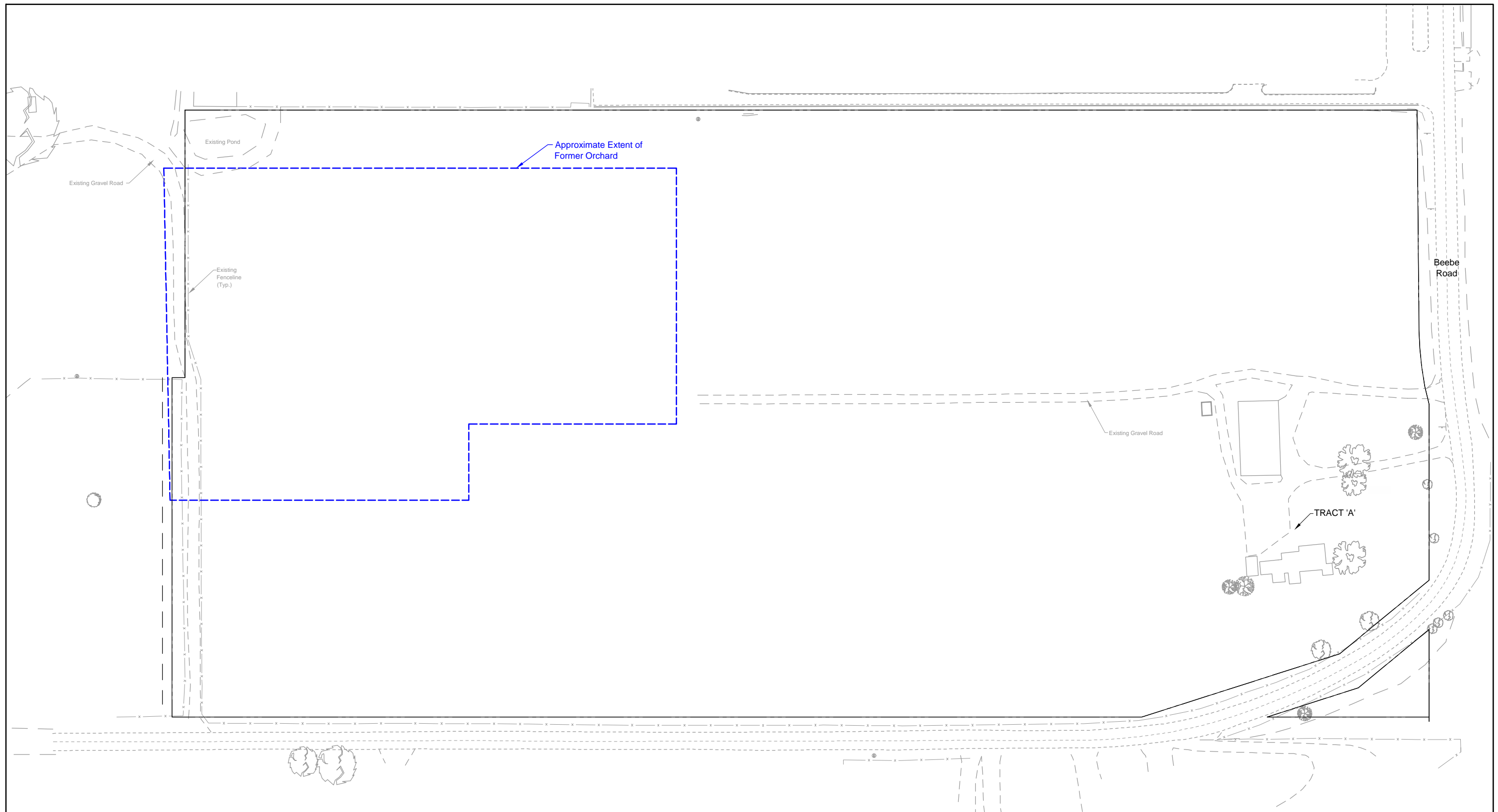
Site Location Map

Independent Cleanup Program Results Report
 White Hawk Development
 Central Point, Oregon

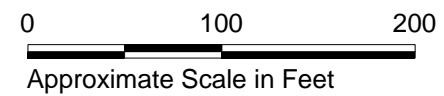
Apex Companies, LLC
 3015 SW First Avenue
 Portland, Oregon 97201


Project Number	2251-00
June 2016	

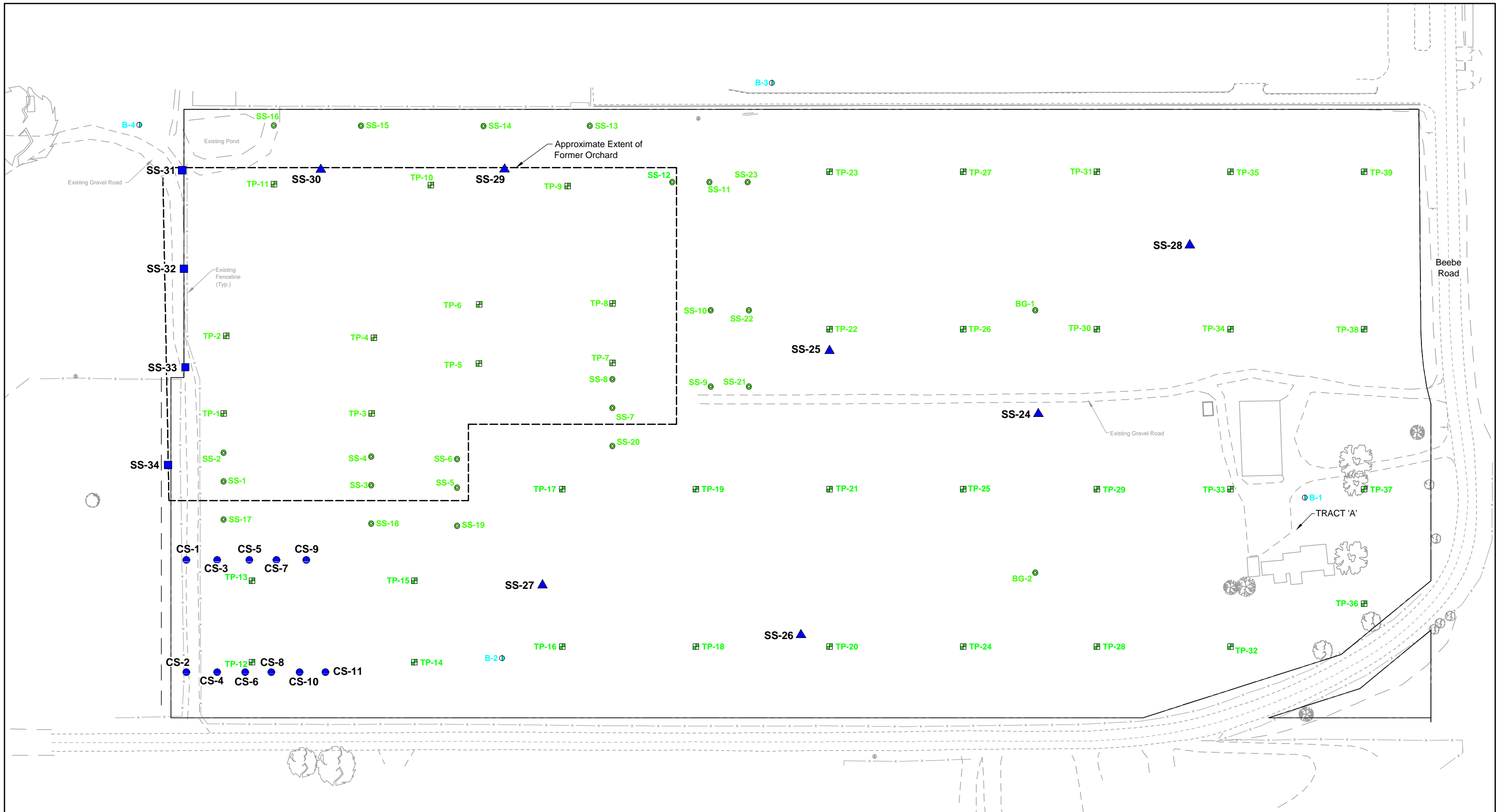
Figure	1
--------	---



- Notes:**
1. Proposed development plan supplied by CES|NW, dated 2005.
 2. Orchard boundary estimated from 1939 historical aerial photograph.



Site Plan		
Independent Cleanup Program Results Report White Hawk Development Central Point, Oregon		
 Apex Companies, LLC 3015 SW First Avenue Portland, Oregon 97201	Project Number 2251-00	Figure 2
June 2016		

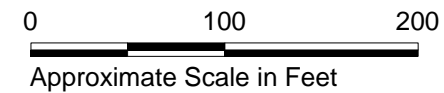


Legend:

- CS-1 ● Composite Sample - 2016
- SS-29 ■ Discrete Sample - 2016
- SS-24 ▲ Discrete Sample - 2016
- TP-1 ■ Test Pit Soil Sampling Location - 2006
- SS-1 ● Surface Soil Location - 2006
- B-1 ○ Groundwater Sampling Location - 2006

Notes:

1. Proposed development plan supplied by CES|NW, dated 2005.
2. Orchard boundary estimated from 1939 historical aerial photograph.



Site Exploration Plan		
Independent Cleanup Program Results Report White Hawk Development Central Point, Oregon		
Apex Companies, LLC 3015 SW First Avenue Portland, Oregon 97201	Project Number 2251-00 June 2016	Figure 3



Legend:

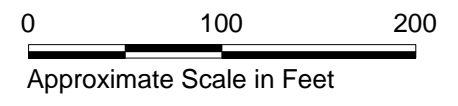
- TP-1 Test Pit Soil Sampling Location - 2006
- SS-1 Surface Soil Location - 2006
- B-1 Groundwater Sampling Location - 2006

Location Identification

Location	Depth	Lead
TP-12	0.5 - 1.0	24.4

Lead Concentration in mg/kg
Depth of Sample

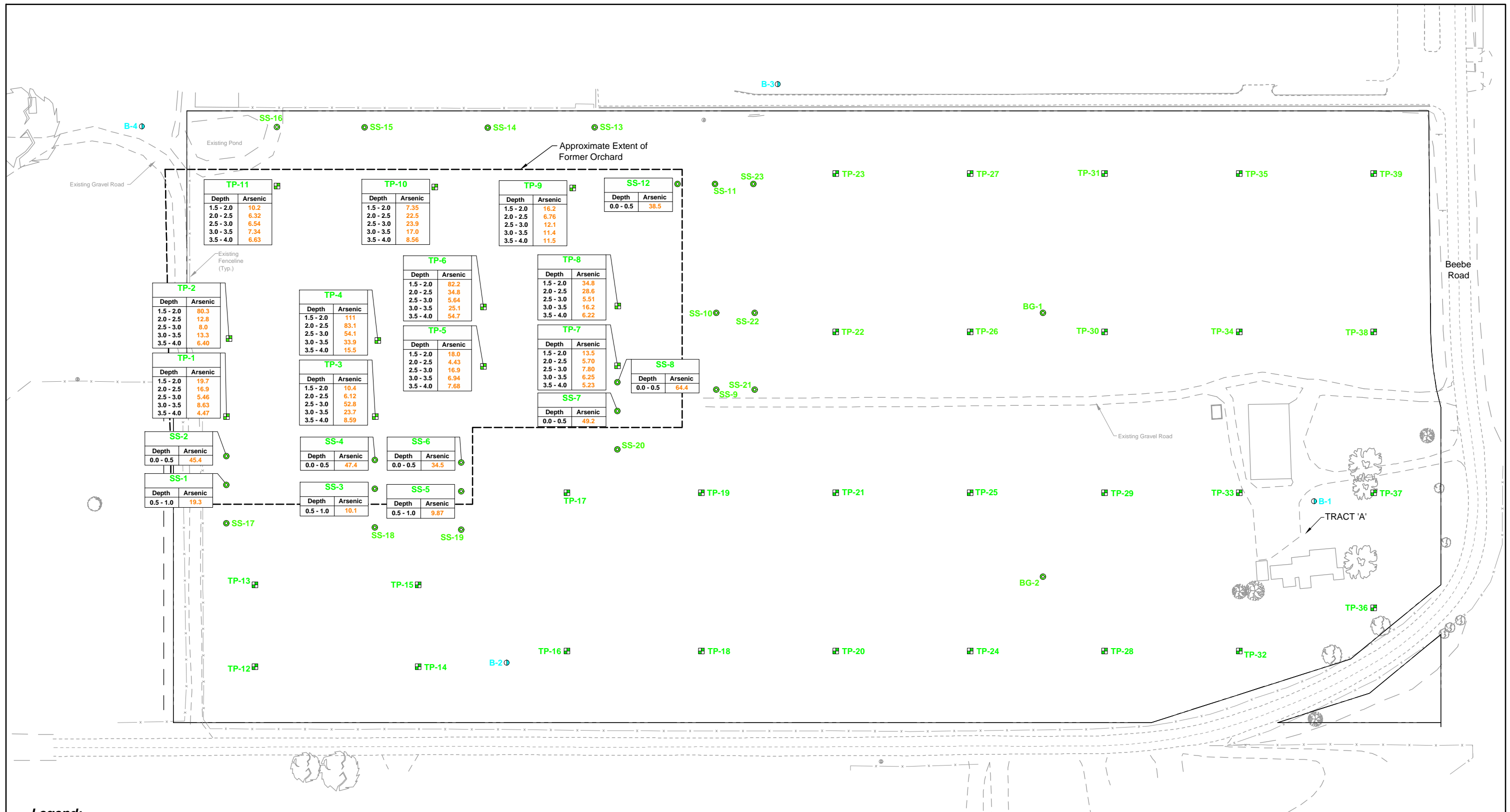
- Notes:**
- Proposed development plan supplied by CES|NW, dated 2005.
 - Orchard boundary estimated from 1939 historical aerial photograph.



Lead Concentrations in Soil

Independent Cleanup Program Results Report
White Hawk Development
Central Point, Oregon

Apex Companies, LLC 3015 SW First Avenue Portland, Oregon 97201	Project Number	2251-00	Figure 4
	June 2016		



Legend:

- TP-1 Test Pit Soil Sampling Location - 2006
- SS-1 Surface Soil Location - 2006
- B-1 Groundwater Sampling Location - 2006

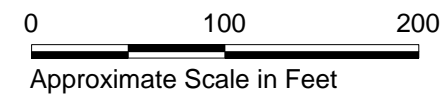
Location Identification

Depth	Arsenic
0.0 - 0.5	45.4

Arsenic Concentration in mg/kg
Depth of Sample

Notes:

1. Proposed development plan supplied by CESJNW, dated 2005.
2. Orchard boundary estimated from 1939 historical aerial photograph.



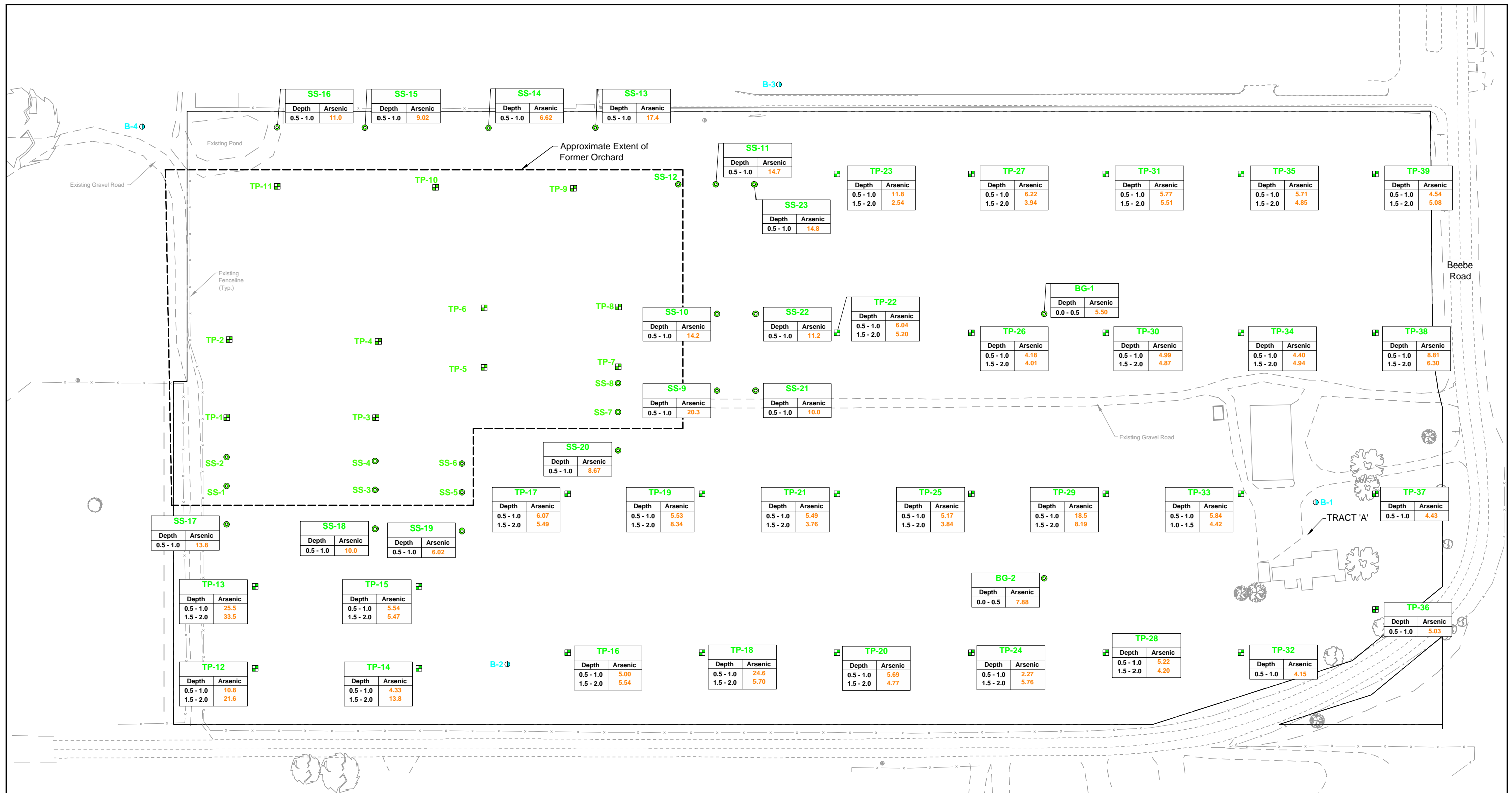
Arsenic Concentrations in Soil Within Former Orchard Area - 2006 Investigation

Independent Cleanup Program Results Report
White Hawk Development
Central Point, Oregon

Apex Companies, LLC
3015 SW First Avenue
Portland, Oregon 97201

Project Number	2251-00
June 2016	

Figure
5



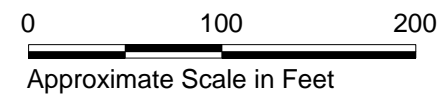
Legend:

- TP-1 Test Pit Soil Sampling Location - 2006
- SS-1 Surface Soil Location - 2006
- B-1 Groundwater Sampling Location - 2006

Location Identification

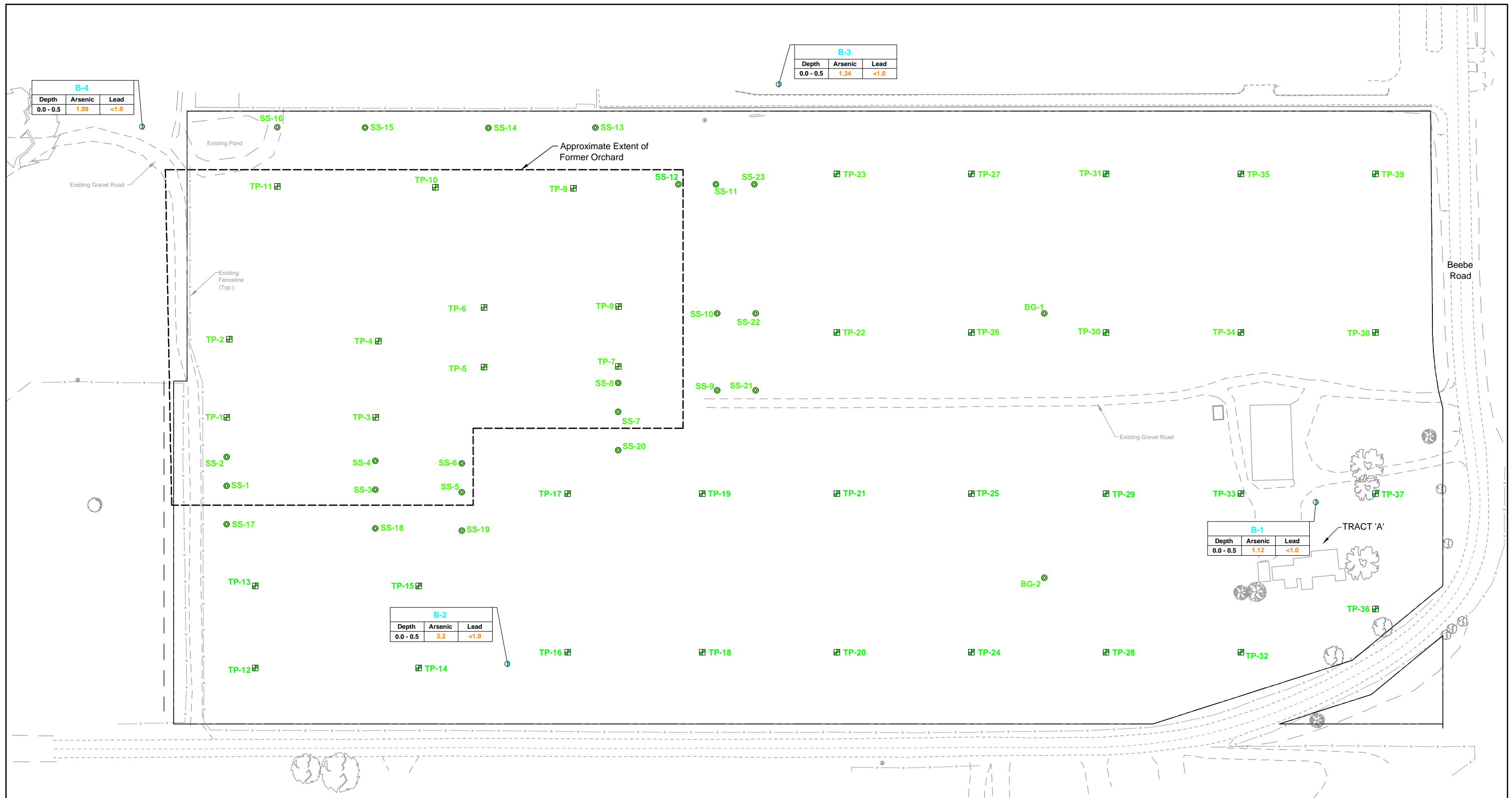
TP-12	
Depth	Arsenic
0.5 - 1.0	10.8
1.5 - 2.0	21.6

Arsenic Concentration in mg/kg
Depth of Sample



Arsenic Concentrations in Soil Outside Former Orchard Area - 2006 Investigation
 Independent Cleanup Program Results Report
 White Hawk Development
 Central Point, Oregon

- Notes:**
- Proposed development plan supplied by CESJNW, dated 2005.
 - Orchard boundary estimated from 1939 historical aerial photograph.



Legend:

- TP-1 Test Pit Soil Sampling Location - 2006
- SS-1 Surface Soil Location - 2006
- B-1 Groundwater Sampling Location - 2006

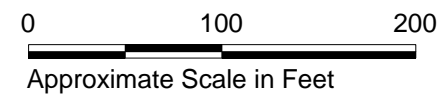
Location Identification

B-4		
Depth	Arsenic	Lead
0.0 - 0.5	1.99	<1.0

Arsenic Concentration in $\mu\text{g/L}$
 Lead Concentration in $\mu\text{g/L}$
 Depth of Sample

Notes:

1. Proposed development plan supplied by CES|NW, dated 2005.
2. Orchard boundary estimated from 1939 historical aerial photograph.

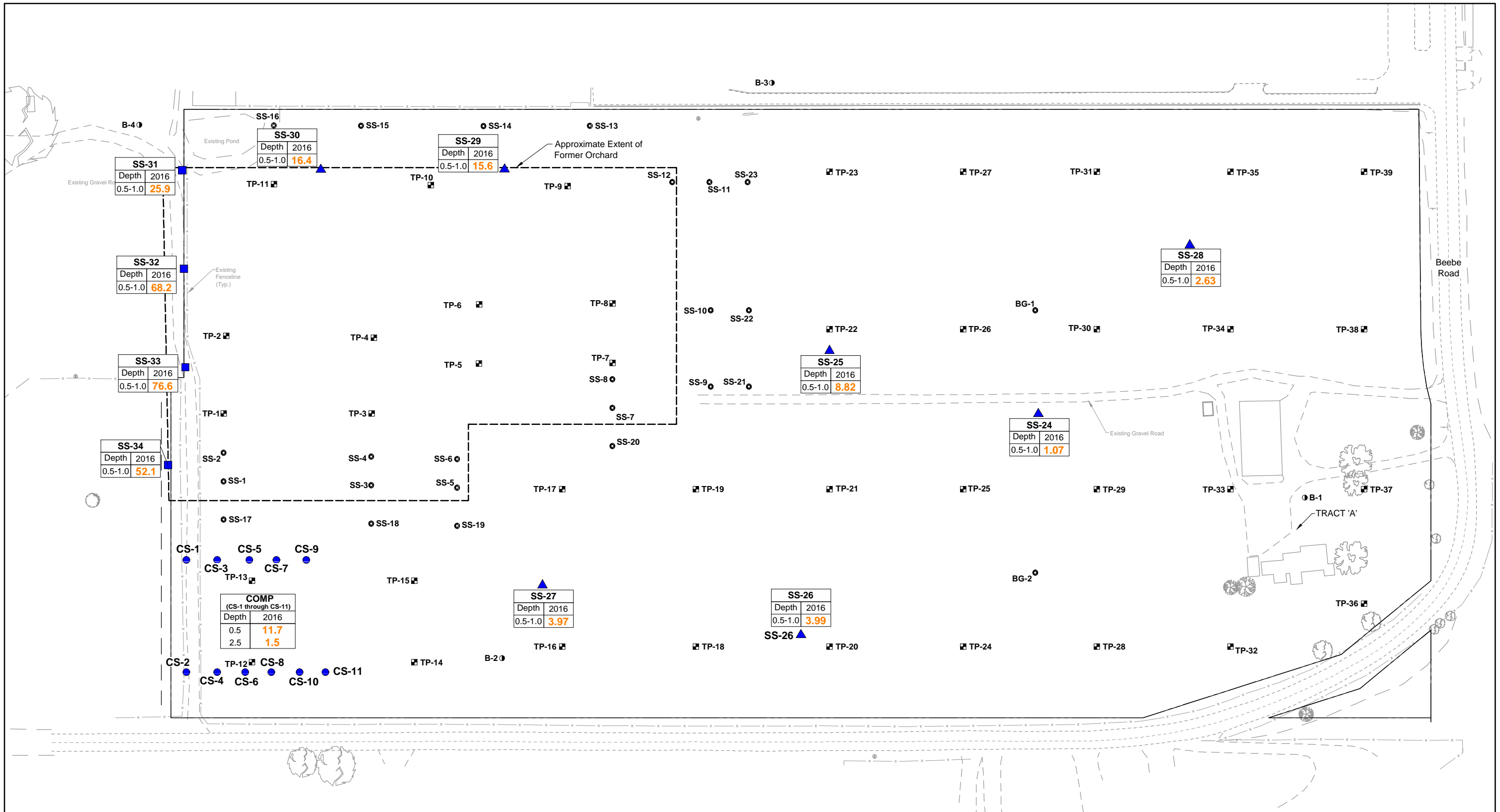


**Arsenic and Lead Concentrations
 in Groundwater - 2006 Investigation**
 Independent Cleanup Program Results Report
 White Hawk Development
 Central Point, Oregon

Apex Companies, LLC
 3015 SW First Avenue
 Portland, Oregon 97201

Project Number **2251-00**
 June 2016

Figure **7**

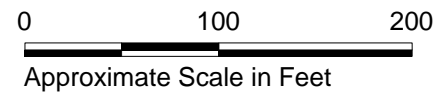
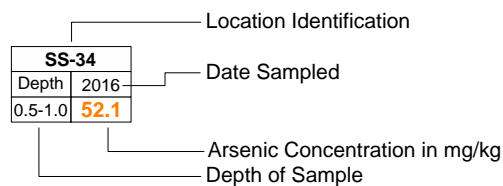


Legend:

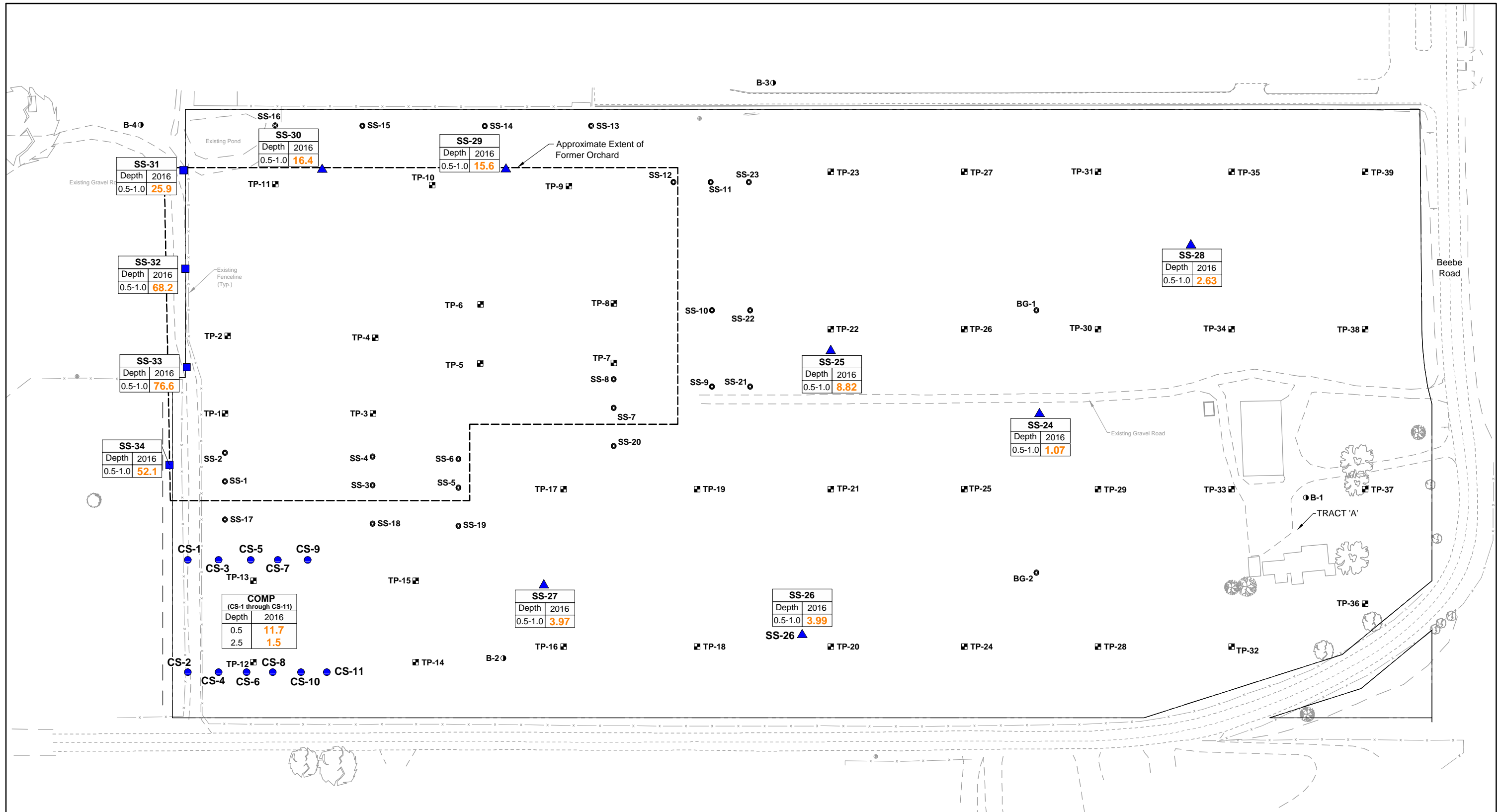
- CS-1 ● Composite Sample - 2016
- SS-29 ■ Discrete Sample - 2016
- SS-24 ▲ Discrete Sample - 2016
- TP-1 ■ Test Pit Soil Sampling Location - 2006
- SS-1● Surface Soil Location - 2006
- B-1● Groundwater Sampling Location - 2006

Notes:

1. Proposed development plan supplied by CES|NW, dated 2005.
2. Orchard boundary estimated from 1939 historical aerial photograph.



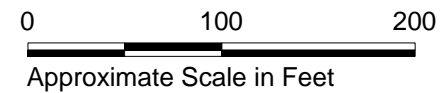
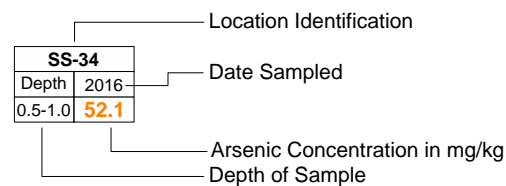
Title ???		
Independent Cleanup Program Results Report White Hawk Development Central Point, Oregon		
Apex Companies, LLC 3015 SW First Avenue Portland, Oregon 97201	Project Number 2251-00	Figure 8
June 2016		



Legend:

- CS-1 ● Composite Sample - 2016
- SS-29 ■ Discrete Sample - 2016
- SS-24 ▲ Discrete Sample - 2016
- TP-1 ■ Test Pit Soil Sampling Location - 2006
- SS-1● Surface Soil Location - 2006
- B-1● Groundwater Sampling Location - 2006

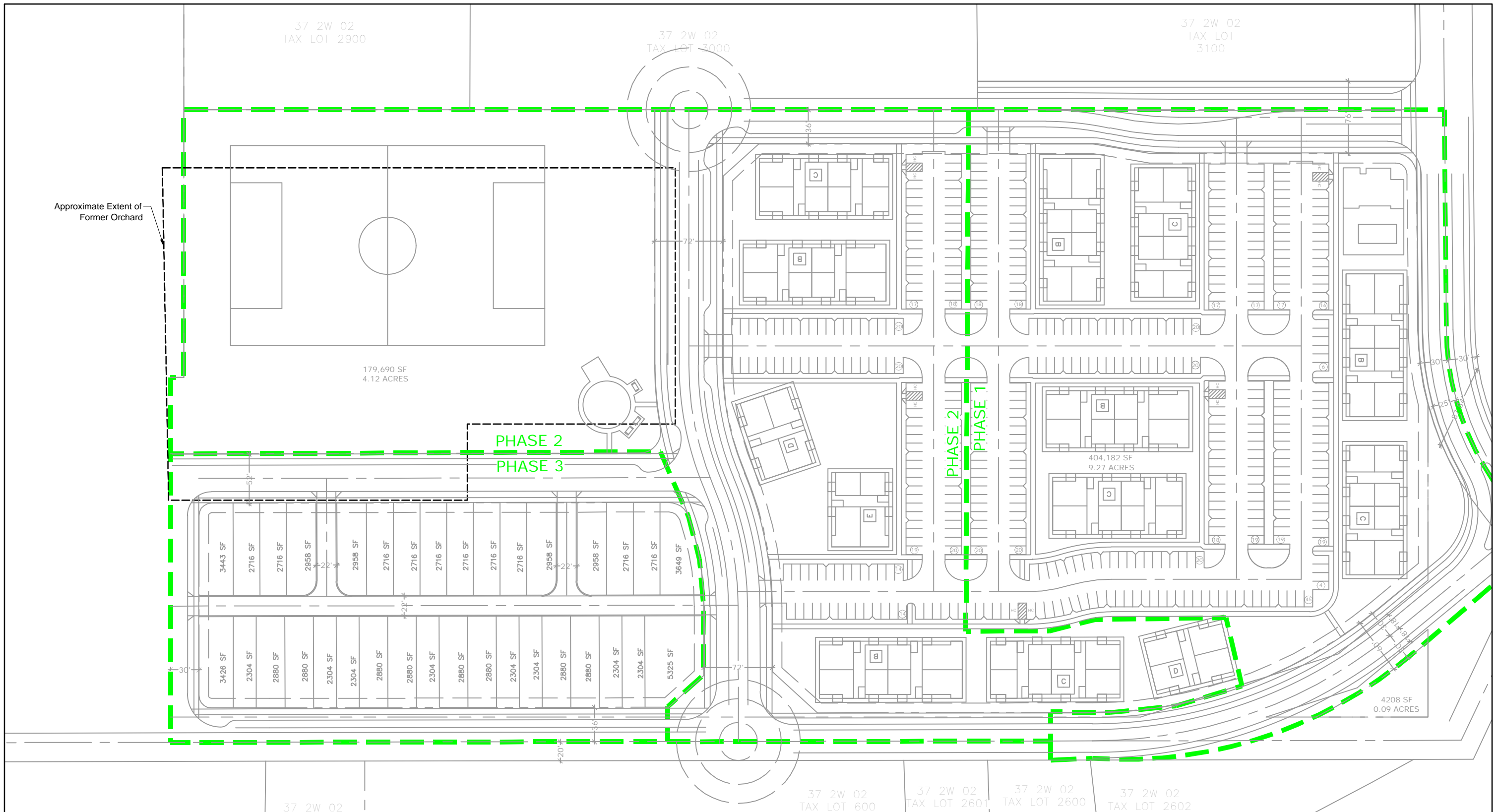
- Notes:**
1. Proposed development plan supplied by CES|NW, dated 2005.
 2. Orchard boundary estimated from 1939 historical aerial photograph.



Arsenic Concentrations in Soil - 2016 Investigation

Independent Cleanup Program Results Report
White Hawk Development
Central Point, Oregon

Apex Companies, LLC 3015 SW First Avenue Portland, Oregon 97201	Project Number 2251-00 June 2016	Figure 8
---	--	-----------------



Approximate Extent of Former Orchard

179,690 SF
4.12 ACRES

PHASE 2
PHASE 3

PHASE 2
PHASE 1

404,182 SF
9.27 ACRES

4208 SF
0.09 ACRES

37 2W 02

37 2W 02
TAX LOT 600

37 2W 02
TAX LOT 2601

37 2W 02
TAX LOT 2600

37 2W 02
TAX LOT 2602



0 100 200

Approximate Scale in Feet

Proposed Site Development Plan

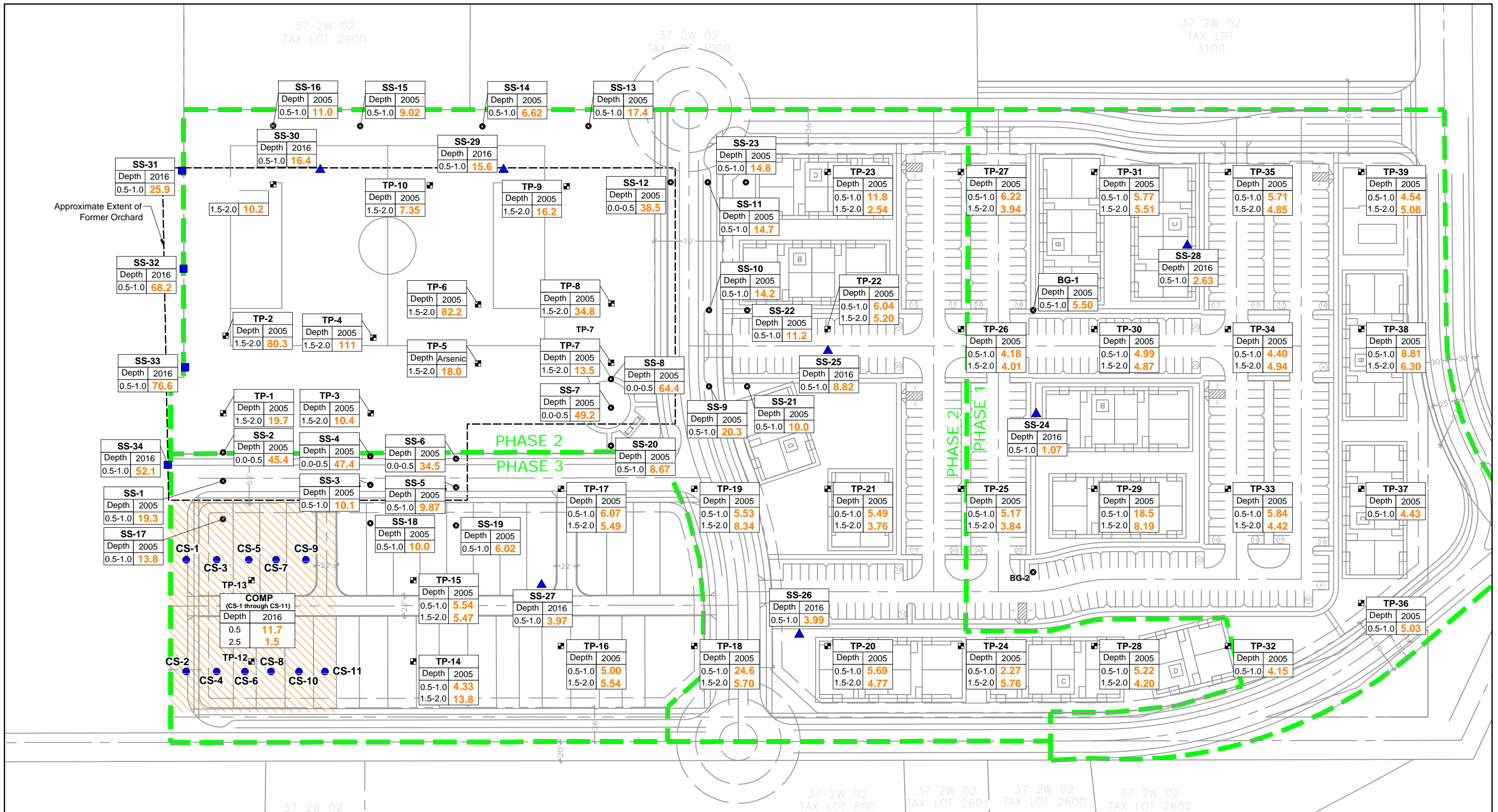
Independent Cleanup Program Results Report
White Hawk Development
Central Point, Oregon

APEX Apex Companies, LLC
3015 SW First Avenue
Portland, Oregon 97201

Project Number	2251-00
June 2016	

Figure
9

- Notes:**
- Proposed development plan supplied by CES|NW, dated 2015.
 - Orchard boundary estimated from 1939 historical aerial photograph.



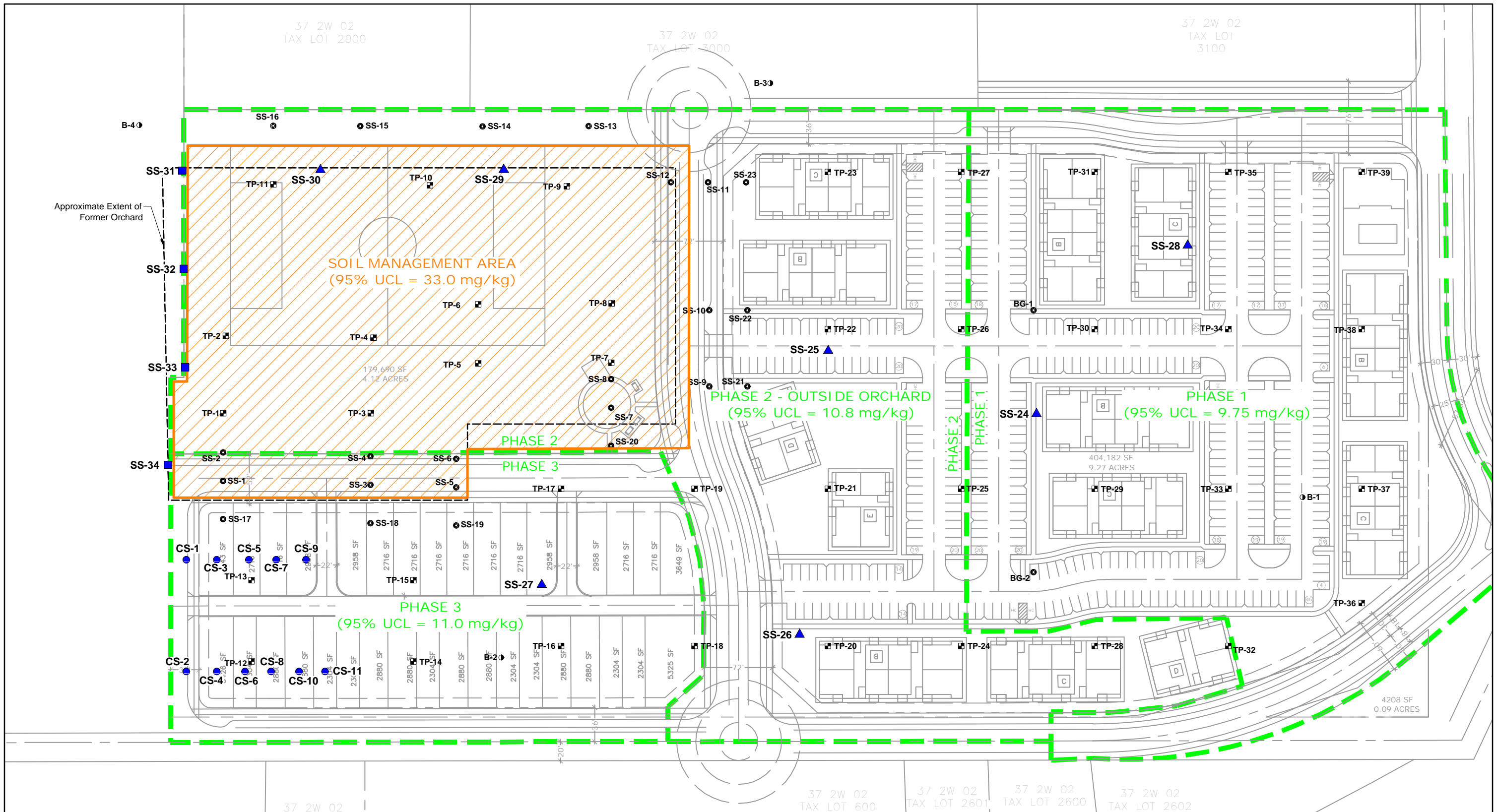
Arsenic Concentrations in Upper 2 Feet of Soil

Independent Cleanup Program Results Report
White Hawk Development
Central Point, Oregon

Apex Companies, LLC
3015 SW First Avenue
Portland, Oregon 97201

Project Number 2251-00
June 2016

Figure 10

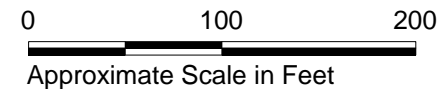


Legend:

- CS-1 ● Composite Sample - 2016
- SS-29 ■ Discrete Sample - 2016
- SS-24 ▲ Discrete Sample - 2016
- TP-1 ■ Test Pit Soil Sampling Location - 2006
- SS-1 ● Surface Soil Location - 2006
- B-1 ● Groundwater Sampling Location - 2006
- Soil Management Area

Notes:

1. Proposed development plan supplied by CESJNW, dated 2015.
2. Orchard boundary estimated from 1939 historical aerial photograph.



Soil Management Area

Independent Cleanup Program Results Report
 White Hawk Development
 Central Point, Oregon

Apex Companies, LLC
 3015 SW First Avenue
 Portland, Oregon 97201

Project Number	2251-00
June 2016	

Figure
 11

Appendix A

Environmental Site Assessment Report



ENVIRONMENTAL TRANSACTION SCREEN
718 BEEBE ROAD
CENTRAL POINT, OREGON

March 2005

CES

Natural Solutions for Water

MaryAnn Amann
Cascade Earth Sciences
225 South Holly Street
Medford, OR 97850
(541) 773-4404

www.cascade-earth.com

March 28, 2005

Mr. Mike Duncan
Duncan Development LLC
P.O. Box 5656
Central Point, Oregon 97502

**SUBJECT: ASTM E 1528-00 Environmental Transaction Screen
718 Beebe Road Central Point, Oregon**

Dear Mr. Duncan,

Cascade Earth Sciences (CES) is pleased to provide you with the results of the Environmental Transaction Screen of the property referenced above.

1.0 BACKGROUND

CES has completed a Transaction Screen Process (TSP) review of the property located at 718 Beebe Road, Central Point, Oregon (referred to hereafter as the Site). The purpose of the TSP review is to identify, to the extent feasible, recognized environmental conditions in connection with the Site. This TSP conforms to the scope and limitations of the American Society of Testing and Materials (ASTM) E 1528-00: Standard Practice for Environmental Site Assessments: Transaction Screen Process. Standard Practice E 1528-00 addresses the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and petroleum products and is intended to constitute all appropriate inquiry for purposes of CERCLA's innocent landowner defense. It does **not** address asbestos-containing material (ACM), radon, lead-based paint, lead in drinking water, wetlands or other environmental requirements not specifically described in the ASTM standard.

2.0 SITE DESCRIPTION

The Site is located in a rural agricultural area at 718 Beebe Road in Central Point, Oregon. The legal description of the Site is Jackson County Tax Lot 2700, within Section 02 of Township 37 South, Range 2 West of the Willamette Meridian. The Site is 18.12 acres in size.

There are three structures on the Site: a main residence (Photograph 1), a large barn (Photograph 2), and a small metal storage shed (Photograph 3). The western portion of the barn includes a garden supply area and a large built in dehydrator. A large open area is used for storage of farm equipment (tractor, fork lift, miscellaneous) (Photograph 4). A large cold storage room that formerly had refrigeration equipment installed, is in the middle portion of the barn and a wood shop and equipment repair shop is on the east end of the barn (Photograph 5).

The Site is mostly level with a very gentle slope toward the southwest. The land was most recently occupied by a vineyard. A single row of grapes is still present but the majority of the vineyard has been removed. A small irrigation pond is located in the northeast corner of the property (Photograph 6).

A concrete structure located north of the barn was formerly used for containment for a 3,000-gallon diesel aboveground storage tank (AST) (Photograph 7). The AST was removed from the Site in fall of 2004. In addition, two concrete pads located in the former vineyard were platforms for wind machines, which have also been removed.

The residence has a private well and septic system. No portions of the Site lie within the 100 year flood zone.

2.1 Adjoining Property Uses

The review of adjoining property uses is primarily visual in extent and should not be construed as a comprehensive evaluation. The property is located in rural area in northeastern Central Point. The main use of the land in the area is agricultural, although the area is being developed into new subdivisions. A synopsis of the adjacent properties is described as follows:

- **East:** The Site is bordered on the east by the Good Shepard of the Valley church (Photograph 8) and a young peach orchard (Photograph 9).
- **South:** Beebe Road borders the Site on the south. Across Beebe Road is an orchard (Photograph 10).
- **North:** The Site is bordered on the north by a pasture and private residence (Photograph 11).
- **West:** Gebhard Road borders the Site on the west. There are two residences and vacant county owned land across Gebhard Road (Photograph 12 and 13).

3.0 APPLICANT QUESTIONNAIRE AND SITE VISIT

CES Oregon registered geologist Mary Ann Amann conducted the TSP and Site reconnaissance on March 15, 2005. Ms. Amann interviewed the owner and occupant of the Site, Albert McMurray, who also provided access to the Site structures. Mr. McMurray has owned the property since 1998 and stated the Site has been used exclusively for agricultural purposes since it was occupied beginning approximately 1940. Past agricultural uses include pasture land, wheat and grain farming, an orchard and most recently a vineyard from 1999 through 2004. Mr. McMurray stated that the orchard was planted in the 1970s and that lead-arsenate sprays were not in use at that time.

According to Mr. McMurray, no chemicals are used or stored on the property in excess of 5-gallon containers. Although they have used restricted material in the past, such as Paraquat, they never brought enough onto the property to need to report it.

Overall, housekeeping practices at the Site appear good. The Site was generally neat although the owners have already removed much of the vineyard and associated equipment, including chemicals and tanks. They have been in the process of dismantling and moving since fall of 2004. The outbuildings appeared to be in fair condition.

The metal storage shed behind (north) the barn was used for storing small quantities (less than 5 gallon containers) of oil and gasoline. Strong gasoline odors emanated from the shed and several stains were observed on the wooden floor (Photograph 14). Stained soil was also observed near the

irrigation pond where orchard heaters were formerly stored (Photograph 15). Although there is evidence of previous spills (i.e., stained floor and soil), they are deminimis in nature and CES did not observe any evidence of hazardous waste or improper disposal practices (i.e. stressed vegetation).

An empty 55- gallon drum was observed near the (former) AST containment (Photograph 7). Mr. McMurray stated he formerly bought kerosene in 55-gallon drums for a shop heater.

Mr. McMurray answered questions to the Transaction Screen Questionnaire (attached). An answer of “No” was recorded for most questions. Exceptions (5b, 6b, 9a, 10b, 12a, and 22, the number refers to the Questionnaire) are discussed below.

- 5b Mr. McMurray stated he formerly bought kerosene in 55-gallon drums for a shop heater..
- 6b An empty 55-gallon drum, formerly used for kerosene, was stored on the property.
- 9a Soil staining observed near the irrigation pond in the northeast corner of the Site (Photographs 8) was from the orchard heaters formerly stored there. Stains on the wooden floor of the metal storage shed are from gasoline and oil formerly stored inside (Photographs 7).
- 10b Mr. McMurray stated a 3,000 gallon aboveground storage tank had been brought onto the Site in 1990 and used for diesel. A concrete containment was constructed for the AST (Photograph 7). The AST was removed in 2004 and taken to another orchard.
- 12a Strong gasoline and petroleum odors emanated from the metal storage shed.
- 15b Petroleum products (diesel for equipment, dormant sprays) and hazardous substances (Paraquat) were formerly used on the Site and are acceptable chemicals used in standard agricultural practices.
- 22 There are three facilities on the state Environmental Cleanup Site Information database and four facilities on the state leaky underground storage tank database within the search radius of the Site. These are discussed in Section 4.0.

4.0 ENVIRONMENTAL AGENCY RECORDS REVIEW

Federal, state, and local environmental agencies maintain lists and/or records of sites that have reported chemical releases, obtained environmental permits, or received notifications. The purpose of the regulatory records review is to obtain and review reasonably ascertainable records that will help identify recognized environmental conditions in connection with the Site. Environmental Data Resources, Inc. (EDR) conducted a search of available environmental records. The EDR report, including a map showing the distribution of properties identified by the search, is attached. The minimum search distances utilized are consistent with ASTM standards. A number of databases supplemental to ASTM standards were searched as well. EDR database searches generally contain a number of “orphan” sites. Orphan sites are not mapped due to poor or inadequate address information. All orphan sites have been reviewed and those that can be identified within the specified search radii are included.

A review of pertinent environmental records provided by EDR report revealed the presence of three facilities within 1 mile of the subject property that are listed on the Environmental Cleanup Site Information (ECSI) database. In addition, there are four leaky underground storage tank (LUST) sites within a half mile search radius. These locations are presented below.

<u>Site Name</u>	<u>Site Address</u>	<u>Database</u>
DeCarlo Homes Oil Release	Beebe Road and Hamrick Road	SHWS-ECSI
Pacific NW Bell Oil Release	E. Pine St and Freeman Road	SHWS-ECSI
LTM Inc. Diesel Fuel Release	3959 Hamrick Road	SHWS-ECSI
Pilot Travel Centers LLC	1600 East Pine St	LUST/HOT
Panoco, Inc #27	1480 East Pine St	LUST
Chevron USA 98337	1510 East Pine St	LUST
Texaco	1125 East Pine St	LUST

Due to their proximity to the Site, the facilities were examined in greater detail with a brief summary of their status provided as follows:

DeCarlo Homes Oil Release

A spill or release was reported in August 1998. A pocket of oil was encountered during trench excavation activities to install a storm drain for a new development. Diesel fuel was detected at up to 1,100 parts per million (ppm) and lube oil was detected up to 800 ppm in soil samples collected by ODEQ. Diesel fuel was not detected in groundwater. A "No Further Action Required" was granted by ODEQ in December 1998. The spill location is approximately ½ mile east of the Site, in an upgradient direction, however, as no diesel fuel was detected in groundwater, the potential for environmental impact from this spill location is low.

Pacific NW Bell Oil Release

A Pacific NW Bell representative reported petroleum product in a telephone vault when the vault was opened on June 9, 1987. An ODEQ investigation found three possible sources, all service stations. Tanks at the stations were tested and found to be tight. The vault was reopened December 8, 1988, and no petroleum was detected. Regional personnel believe the source was a vehicle accident at the intersection of Freeman and Pine Streets. A "No Further Action Required" was granted by ODEQ in January 1995. The spill location is approximately ½ mile southwest of the Site, in a crossgradient direction. The potential for environmental impact from this facility is low.

LTM, Inc.

A release of hazardous substance was documented in 1992 and has contaminated soil and groundwater at the facility. Site contaminants have been detected in sediment and surface water in Bear Creek. Remediation activities have included soil excavation, treatment and disposal,

construction of a product recovery trench and installation of groundwater monitoring well network. CES spoke with the ODEQ regarding this facility and the potential threat to the Site. The contamination is limited to the LTM facility property and therefore does not present an environmental threat to the Site.

Pilot Travel Centers LLC

A spill or release was reported July 12, 2000 and cleanup completed February 24, 2003. A "No Further Action Required" was granted by ODEQ April 14, 2003. A heating oil tank LUST was removed in August 1996. Cleanup was completed by March 2001 and a "No Further Action Required" was granted by ODEQ in May 2001. The potential for environmental impact from this spill location is low.

Panoco, Inc #27

A spill or release was reported August 6, 1993 and cleanup was completed by August 31, 1993. A "No Further Action Required" was granted by ODEQ in May 1994. The potential for environmental impact from this spill location is low.

Chevron USA 98337

A spill or release was reported February 5, 1992. Cleanup was completed August 4, 2000. A "No Further Action Required" was granted by ODEQ December 21, 2000. The potential for environmental impact from this spill location is low.

Texaco

A spill was reported October 4, 1996 when a trucker drove over a curb and punctured a tank. No further information is given. The potential for environmental impact from this spill location is low.

The approximate location of each of these facilities is shown on the overview map provided with the attached EDR report. Lithia Dodge is also listed in the EDR report as an ECSI site located in Central Point, but this is an error as the address is located in Medford, Oregon over 5 miles from the Site. All LUST facilities are cross-gradient to the Site and are also located across Bear Creek which acts as a hydrologic boundary; therefore they do not pose an environmental threat to the Site. A review of the records indicates that the properties do not pose a significant environmental risk to the Site.

One orphan site was located within ½ mile of the Site. Airport Orchard, at 3213 Hamrick Road, was listed on the ECSI database because residue pesticide contamination was discovered at the property. Remediation consisted of soil excavation and offsite disposal. The facility received a "No Further State Action Required" in July 2004. The potential for environmental impact from this facility is low.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Information obtained from the site reconnaissance, owner interviews, and regulatory records review was compiled and reviewed in an effort to identify recognized environmental conditions. Based on the foregoing assessment, this TSP has not identified any significant environmental concerns for the Site. The fuel spills in the storage shed and stains from the orchard heaters are de minimis in nature. However, it is recommended that the impacted soils be removed by excavation and proper disposal to an appropriate facility.

Mr. McMurray stated that an orchard had previously existed on the Site but was planted in the 1970s and that lead-arsenate sprays were not in use at that time. However, as the Site has been used exclusively for agricultural purposes since the 1940s, common acceptable agricultural practices of using pesticides, such as DDT and other chemicals, may be a concern for future residents. If the Site remains agricultural, there would usually be no human health concern regarding these chemicals. If the land use changes to residential, then these chemicals, which may persist in soils, could present a risk to human health. CES recommends sampling of soils for lead, arsenic and herbicide and pesticide residues, especially since chemicals considered risks to human health may have been used at the Site.

The risk of contamination to the target property from offsite sources appears to be low or unlikely. Given these conditions, no additional investigative activities appear warranted at this time.

6.0 LIMITATIONS

The conclusions presented in this report are professional opinions based on data described in this report. They are intended for the purpose, site location, and project indicated. The conclusions presented in this report are based on the assumption that site conditions have not changed from those observed during our investigation and as described in this report. The report is not a definitive study of contamination and should not be interpreted as such.

This report was prepared for Mr. Mike Duncan pursuant to an agreement with CES on March 7, 2005, and is accurate to the best of CES' knowledge and belief. This report is based, in part, on unverified information supplied to CES by third-party sources. While efforts have been made to substantiate this third-party information, CES cannot guarantee its completeness or accuracy. CES staff participating in this TSP are scientists and engineers, not attorneys. Therefore, it must be clear to all parties that this report does not offer any legal opinion, representation, or interpretation of environmental laws, rules, regulations, or policies of federal, state, or local governmental agencies.

CES appreciates the opportunity to assist you with this project. If you have any questions or concerns regarding this report or require any additional information, please do not hesitate to contact me at (541) 858-5427.

Sincerely,

CASCADE EARTH SCIENCES



Mary Ann Amann R.G.
Hydrogeologist

MAA/mab

Att: EDR Report
Transaction Screen Questionnaire
Photos
c: Project File 2524013
Doc: Beebe Transaction Screen report



EDR™ Environmental
Data Resources Inc

The EDR Radius Map with GeoCheck®

**White Hawk
718 Beebe
Central Point, OR 97502**

Inquiry Number: 01377311.1r

March 11, 2005

The Standard in Environmental Risk Management Information

**440 Wheelers Farms Road
Milford, Connecticut 06460**

Nationwide Customer Service

**Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com**

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	6
Orphan Summary	39
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-8
Physical Setting Source Map Findings	A-9
Physical Setting Source Records Searched	A-19

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2005 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

718 BEEBE
CENTRAL POINT, OR 97502

COORDINATES

Latitude (North): 42.383600 - 42° 23' 1.0"
Longitude (West): 122.899300 - 122° 53' 57.5"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 508289.7
UTM Y (Meters): 4692159.0
Elevation: 1265 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 42122-D8 SAMS VALLEY, OR
Source: USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
CORRACTS..... Corrective Action Report
RCRA-TSDF..... Resource Conservation and Recovery Act Information
RCRA-LQG..... Resource Conservation and Recovery Act Information
RCRA-SQG..... Resource Conservation and Recovery Act Information
ERNS..... Emergency Response Notification System

STATE ASTM STANDARD

SWF/LF..... Solid Waste Facilities List

EXECUTIVE SUMMARY

UST Underground Storage Tank Database
INDIAN UST Underground Storage Tanks on Indian Land
INDIAN LUST Leaking Underground Storage Tanks on Indian Land
OR VCS Voluntary Cleanup Program Sites

FEDERAL ASTM SUPPLEMENTAL

CONSENT Superfund (CERCLA) Consent Decrees
ROD Records Of Decision
Delisted NPL National Priority List Deletions
FINDS Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS Hazardous Materials Information Reporting System
MLTS Material Licensing Tracking System
MINES Mines Master Index File
NPL Liens Federal Superfund Liens
PADS PCB Activity Database System
INDIAN RESERV. Indian Reservations
FUDS Formerly Used Defense Sites
UMTRA Uranium Mill Tailings Sites
ODI Open Dump Inventory
DOD Department of Defense Sites
RAATS RCRA Administrative Action Tracking System
TRIS Toxic Chemical Release Inventory System
TSCA Toxic Substances Control Act
SSTS Section 7 Tracking Systems
FTTS INSP FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

OR SPILLS Spill Data
AOC COL Columbia Slough
AST Aboveground Storage Tanks
CDL Uninhabitable Drug Lab Properties
DRYCLEANERS Drycleaning Facilities
HIST LF Old Closed SW Disposal Sites
OR HAZMAT Hazmat/Incidents
HSIS Hazardous Substance Information Survey

EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas Former Manufactured Gas (Coal Gas) Sites

BROWNFIELDS DATABASES

US BROWNFIELDS A Listing of Brownfields Sites
Brownfields Brownfields Projects
AUL Sites with Engineering or Institutional Controls
OR VCS Voluntary Cleanup Program Sites

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STATE ASTM STANDARD

ECSI: The Environmental Cleanup Site Information System records information about sites in Oregon that may be of environmental interest. The data come from the Department of Environmental Quality.

A review of the SHWS - ECSI list, as provided by EDR, has revealed that there are 4 SHWS - ECSI sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>DECARLO HOMES OIL RELEASE</i>	<i>BEEBE RD & HAMRICK RD</i>	<i>1/4 - 1/2ESE</i>	<i>1</i>	<i>6</i>
<i>LTM INCORPORATED</i>	<i>3959 HAMRICK RD</i>	<i>1/2 - 1 SE</i>	<i>8</i>	<i>20</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>PACIFIC NW BELL - CENTRAL POIN</i>	<i>E PINE ST & FREEMAN RD</i>	<i>1/2 - 1 SW</i>	<i>7</i>	<i>16</i>
<i>LITHIA DODGE</i>	<i>524 E 5TH ST</i>	<i>1/2 - 1 WSW</i>	<i>9</i>	<i>34</i>

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Quality's LUST Database List.

A review of the LUST list, as provided by EDR, and dated 12/21/2004 has revealed that there are 5 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>PILOT TRAVEL CENTERS LLC</i>	<i>1600 EAST PINE ST.</i>	<i>1/4 - 1/2 SSE</i>	<i>B5</i>	<i>15</i>
<i>PILOT TRAVEL CENTER #391 HOT</i>	<i>1590 E PINE STREET</i>	<i>1/4 - 1/2 SSE</i>	<i>B6</i>	<i>15</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>PANOCO, INC #27</i>	<i>1480 E PINE</i>	<i>1/4 - 1/2 SSE</i>	<i>A2</i>	<i>10</i>
<i>CHEVRON U.S.A., INC. - 98337</i>	<i>1510 E PINE</i>	<i>1/4 - 1/2 SSE</i>	<i>A3</i>	<i>11</i>
<i>TEXACO STATION</i>	<i>1125 E PINE ST</i>	<i>1/4 - 1/2 SSW</i>	<i>4</i>	<i>11</i>

OR CRL: Sites that are or may be contaminated and may require cleanup.

A review of the OR CRL list, as provided by EDR, has revealed that there is 1 OR CRL site within approximately 1 mile of the target property.

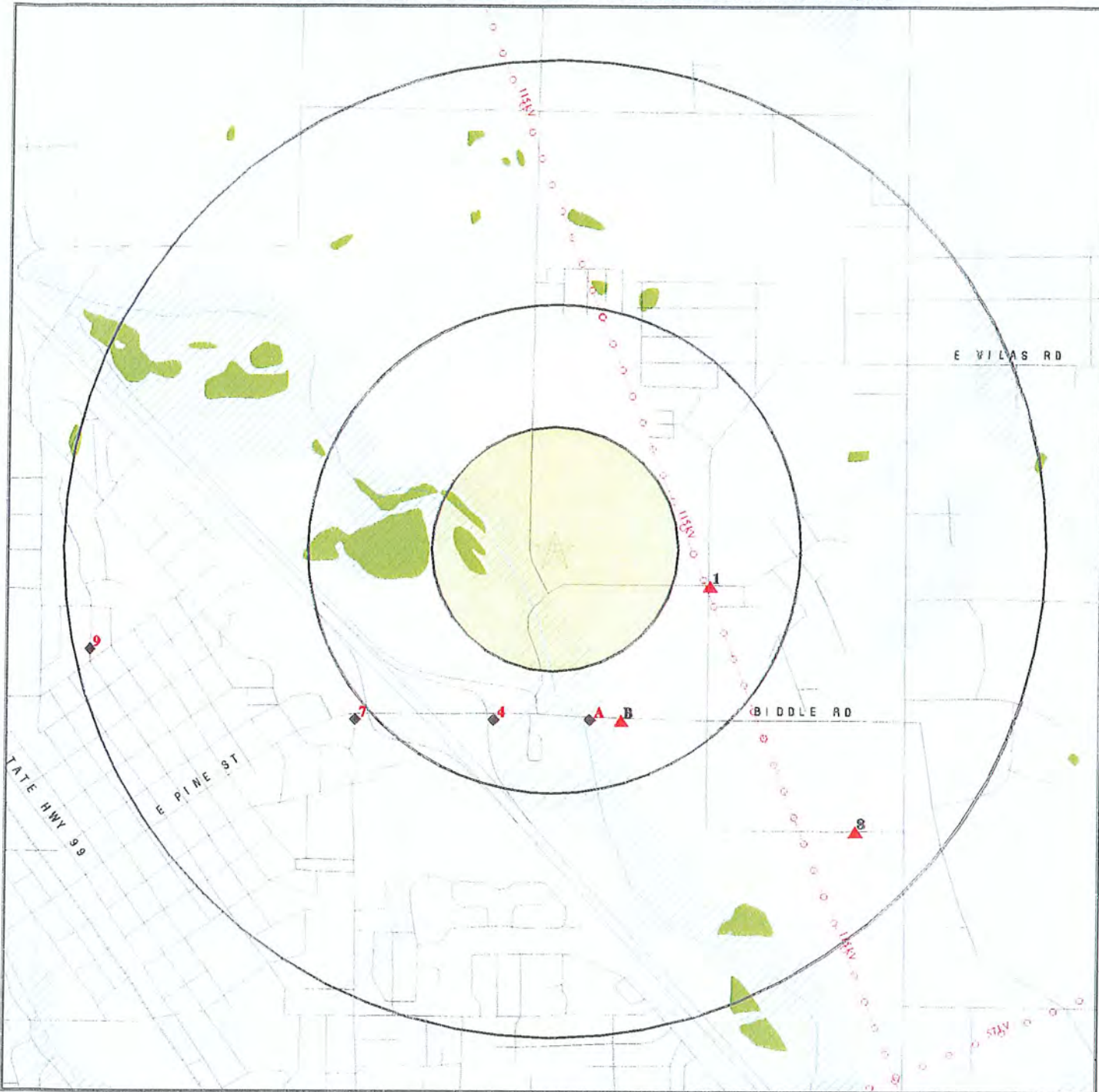
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>LTM INCORPORATED</i>	<i>3959 HAMRICK RD</i>	<i>1/2 - 1 SE</i>	<i>8</i>	<i>20</i>

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

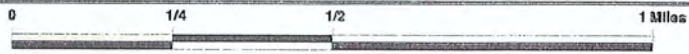
<u>Site Name</u>	<u>Database(s)</u>
SUMMIT & MCANDREWS SPILL SITE	SHWS - ECSI, FINDS
AIRPORT ORCHARD	SHWS - ECSI
MONTEZUMA WEST SPILL SITE	SHWS - ECSI, FINDS, OR CRL
EAST PINE STREET GROUNDWATER - CENTRAL P	SHWS - ECSI
REGINALD BREEZE PROPERTY	SHWS - ECSI
MONTEZUMA WEST SPILL SITE	CERCLIS
ERICKSON AIR CRANE	RCRA-SQG, FINDS

OVERVIEW MAP - 01377311.1r - Cascade Earth Sciences



- * Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

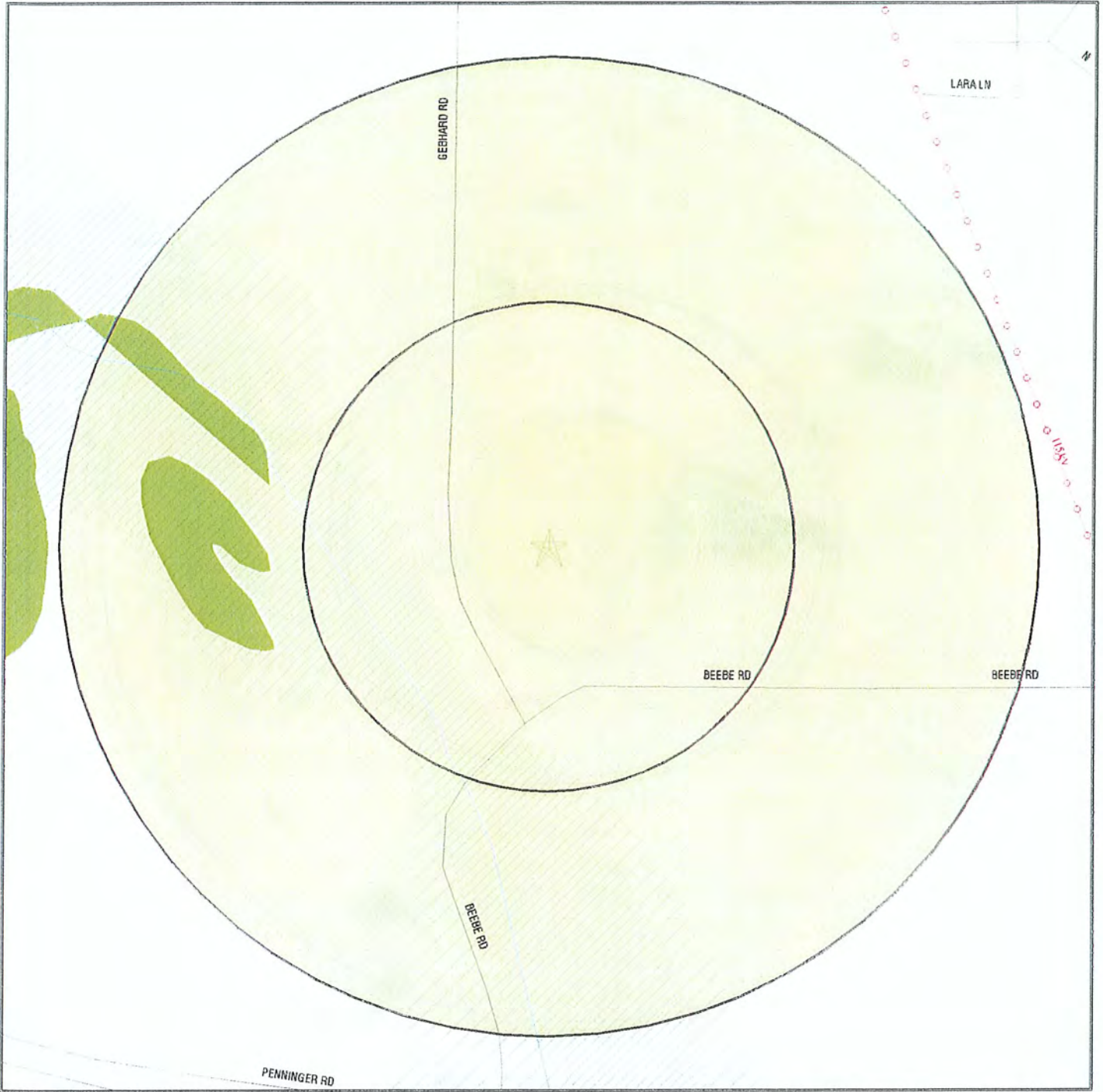
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands
- Areas of Concern



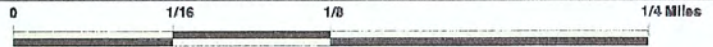
TARGET PROPERTY: White Hawk
ADDRESS: 718 Beebe
CITY/STATE/ZIP: Central Point OR 97502
LAT/LONG: 42.3836 / 122.8993

CUSTOMER: Cascade Earth Sciences
CONTACT: Mary Ann Amann
INQUIRY #: 01377311.1r
DATE: March 11, 2005 12:39 pm

DETAIL MAP - 01377311.1r - Cascade Earth Sciences



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Coal Gasification Sites
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands
- Areas of Concern



TARGET PROPERTY:	White Hawk	CUSTOMER:	Cascade Earth Sciences
ADDRESS:	718 Beebe	CONTACT:	Mary Ann Amann
CITY/STATE/ZIP:	Central Point OR 97502	INQUIRY #:	01377311.1r
LAT/LONG:	42.3836 / 122.8993	DATE:	March 11, 2005 12:39 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL ASTM STANDARD</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.		0.250	0	0	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
<u>STATE ASTM STANDARD</u>								
State Haz. Waste - ECSI		1.000	0	0	1	3	NR	4
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	5	NR	NR	5
UST		0.250	0	0	NR	NR	NR	0
OR CRL		1.000	0	0	0	1	NR	1
INDIAN UST		0.250	0	0	NR	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
OR VCS		0.500	0	0	0	NR	NR	0
<u>FEDERAL ASTM SUPPLEMENTAL</u>								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
<u>STATE OR LOCAL ASTM SUPPLEMENTAL</u>								
OR SPILLS		TP	NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AOC COL		1.000	0	0	0	0	NR	0
AST	TP		NR	NR	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
HIST LF		0.500	0	0	0	NR	NR	0
OR HAZMAT	TP		NR	NR	NR	NR	NR	0
HSIS	TP		NR	NR	NR	NR	NR	0
<u>EDR PROPRIETARY HISTORICAL DATABASES</u>								
Coal Gas		1.000	0	0	0	0	NR	0
<u>BROWNFIELDS DATABASES</u>								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Brownfields		0.500	0	0	0	NR	NR	0
AUL		0.500	0	0	0	NR	NR	0
OR VCS		0.500	0	0	0	NR	NR	0

NOTES:

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site _____ Database(s) _____ EDR ID Number
EPA ID Number _____

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

1 **DECARLO HOMES OIL RELEASE** SHWS - ECSI 1006853494
ESE **BEEBE RD & HAMRICK RD** FINDS 110014156260
1/4-1/2 **CENTRAL POINT, OR 97502**
1703 ft.

Relative: FINDS:
Higher Other Pertinent Environmental Activity Identified at Site:
 Oregon Department of Environmental Quality

Actual:
1271 ft.

ECSI:			
State ID Number:	2266	Brown ID	0
Study Area:	False	Coordinator Supplier:	kpd
Cerclis ID:	0	Tax Lots:	Not reported
Size:	1.5 acre	NPL:	False
Orphan:	False	Region ID:	3
Lat/Long:	42 / -123	Tax Lots:	Not reported
Township Coord.:	37	Township Zone:	S
Range Coord.:	2	Range Zone:	W
Section Coord.:	1	Qtr Section:	Not reported
Legislative :	1	Further Action:	0
FACA ID :	40714	Score Value:	0
Update Date :	02/08/1999	Created Date:	emr
Created Time :	10/08/1998		

HAZ RELEASED:

Quant. Released: Unknown
Date: / /
Update Date: 08/10/1998
Update By: Not reported

Substance ID :	121982
Code :	ECD169
Substance Name :	DIESEL - FUEL OIL
Substance Abbrev. :	Not reported
Substance Categ ID :	8529
Substance Sub Categ :	Petroleum Related Releases for OSPIRG Report
Category Level :	0
Created By :	Not reported
Create Date :	12/17/2002
Substance Alias ID :	Not reported
Sub Alias Name :	Not reported
Rel Comment ID :	Not reported
Release Code :	Not reported
Release Comments :	Not reported
Sampling Result ID :	340223
Feature Id :	Not reported
Hazard Release Id :	381808
Medium Code Id :	703
Substance Id :	Not reported
Unit Code :	110
Observation :	False
Owner Operator :	False
Lab Data :	True
Sample Depth :	Not reported
Start Date :	8/13/1998 0:00
End Date :	8/13/1998 0:00
Minimum Concentration :	0

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

EDR ID Number
EPA ID Number
Database(s)

DECARLO HOMES OIL RELEASE (Continued)

1006853494

Max Concentration : 3100
Last Update By : mjs
Last Updated On : 10/15/1998
Sample Comment : (mjs/10-12-98)Post removal sampling indicated TPH-Diesel results in soil at 38 to 1;100 ppm. PAH analysis indicated Nondetects for all samples.
Sampling Result ID : 340224
Feature Id : Not reported
Hazard Release Id : 381808
Medium Code Id : 698
Substance Id : Not reported
Unit Code : 109
Observation : False
Owner Operator : False
Lab Data : True
Sample Depth : Not reported
Start Date : 8/13/1998 0:00
End Date : 8/13/1998 0:00
Minimum Concentration : 0
Max Concentration : 300
Last Update By : mjs
Last Updated On : 10/15/1998
Sample Comment : (mjs/10-12-98)Subsequent groundwater sampling showed nondetect for diesel.
Quant. Released: Unknown
Date: / /
Update Date: 08/10/1998
Update By: Not reported
Substance ID : 121988
Code : ECD198
Substance Name : OIL - LUBRICATING
Substance Abbrev. : Not reported
Substance Categ ID : 8531
Substance Sub Categ : Petroleum Related Releases for OSPIRG Report
Category Level : 0
Created By : Not reported
Create Date : 12/17/2002
Substance Alias ID : Not reported
Sub Alias Name : Not reported
Rel Comment ID : Not reported
Release Code : Not reported
Release Comments : Not reported
Sampling Result ID : 340222
Feature Id : Not reported
Hazard Release Id : 381809
Medium Code Id : 703
Substance Id : Not reported
Unit Code : 110
Observation : False
Owner Operator : False
Lab Data : True
Sample Depth : Not reported
Start Date : 8/13/1998 0:00
End Date : 8/13/1998 0:00
Minimum Concentration : 0
Max Concentration : 6800
Last Update By : mjs
Last Updated On : 10/15/1998
Sample Comment : (mjs/10-12-98)Post removal sampling results indicated TPH-Lube oil at 130 to 800

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

DECARLO HOMES OIL RELEASE (Continued)

1006853494

mg/Kg; however; PAH results were nondetect for all samples.

Alias Name: Not reported
Investigation Status: 206

NARR:

NARR ID: 5737908
NARR Code : Data Sources
Created By: Not reported
Create Date: 2002-12-17 08:50:04
Updated By: Not reported
Updated Date: 2002-12-17 08:50:04
NARR Comments OERS 98-1485

An unknown volume of heavy oil was released.
(8/13/98 MJS/SAS) Spill/release on 6/22/98 during trench excavation to install storm drain for new development. Pocket of oil encountered.

NARR ID: 5737909
NARR Code : Hazardous Substance/Waste Types
Created By: Not reported
Create Date: 2002-12-17 08:50:04
Updated By: Not reported
Updated Date: 2002-12-17 08:50:04
NARR ID: 5737910
NARR Code : Manner of Release
Created By: Not reported
Create Date: 2002-12-17 08:50:04
Updated By: Not reported
Updated Date: 2002-12-17 08:50:04

ECWQ:

Owner Site Num: 0 FACA id : 40714
Site Name: DeCarlo Homes Oil Release
County Code : 15
Owner Name: Not reported
Owner Address: Beebe RD & Hamrick RD
Central Point, 97502
Lat/Long 42.3825 / -122.8926
Owner Code: NFA

PERMIT:

Permit Number: Not reported Permit Type: Not reported
Permit Agency: Not reported
Permit Comments: Not reported

ADMIN ACT:

Admin ID: 708181 Action ID: Not reported
Agency ID : Dept Of Environmental Quality Start Date: 10/08/1998
Further Action: Not reported Region ID: Western Region
Complete Date: Not reported Substance Code: SAS
Rank Value: 0 Cleanup Flag: False
Updated By: kpd Update Date: 05/13/1999
Created By: Not reported Create Date: 12/17/2002
Employee Id: 620
Comments : Not reported

Admin ID: 708190 Action ID: Not reported
Agency ID : Dept Of Environmental Quality Start Date: 07/13/1998
Further Action: Not reported Region ID: Western Region
Complete Date: Not reported Substance Code: SAS
Rank Value: 0 Cleanup Flag: False

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

DECARLO HOMES OIL RELEASE (Continued)

1006853494

Updated By:	mjs	Update Date:	10/15/1998
Created By:	Not reported	Create Date:	12/17/2002
Employee Id:	1952		
Comments :	State Screening		

Admin ID:	708280	Action ID:	Not reported
Agency ID :	Dept Of Environmental Quality	Start Date:	10/12/1998
Further Action:	Not reported	Region ID:	Western Region
Complete Date:	Not reported	Substance Code:	SAS
Rank Value:	0	Cleanup Flag:	False
Updated By:	mjs	Update Date:	01/19/1999
Created By:	Not reported	Create Date:	12/17/2002
Employee Id:	1952		
Comments :	Not reported		

DISPOSAL:

Disposal ID:	Not reported	Feature ID:	Not reported
Medium :	Not reported		
Treatment :	Not reported		
Disposal Method:	Not reported		
Start Date:	Not reported	End Date:	Not reported
Disposal Flag:	Not reported	Disposal Qty:	Not reported
Unit Code:	Not reported		
Depth :	Not reported		
Monitor :	Not reported		
Manifest Num :	Not reported		
Removed By :	Not reported		
Loc Comments:	Not reported		
Disposal Sub ID:	Not reported		
Substance ID:	Not reported		
Created By:	Not reported		
Create Date:	Not reported		

FEATURE:

Feature Id :	Not reported
Site Id :	Not reported
Feature Code :	Not reported
Relative Position :	Not reported
Hazard Rel Id :	Not reported
Region Code :	Not reported
Lat Long Method :	Not reported
Lat Long Source :	Not reported
County Code :	Not reported
Refrence Id :	Not reported
Twnshp Coord :	Not reported
Township Zone :	Not reported
Range Coord :	Not reported
Range Zone :	Not reported
Section Coord :	Not reported
Qtr Section Coord :	Not reported
Address :	Not reported
	Not reported
Zip Plus :	Not reported
Lat/Long :	Not reported
Lat/Lon Decimal :	Not reported
Feature Size :	Not reported
Est Accuracy :	Not reported
Created On Date :	Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

DECARLO HOMES OIL RELEASE (Continued)

1006853494

Created By Prgm : Not reported
 Last Updated By : Not reported
 Last Updated On : Not reported
 Comment : Not reported

WELL:

Well ID: Not reported
 Water Resource Code: Not reported
 Effective Date: Not reported
 Aquifer Code: Not reported
 Ground Station Key: Not reported

OPERATIONS:

Operation Id : Not reported
 Operation Status : Not reported
 Common Name : Not reported
 Yrs of Operation : Not reported
 Comments : Not reported
 Updated By : Not reported
 Updated Date : Not reported
 Process Code ID: Not reported
 Years Of Process: Not reported
 Created By: Not reported
 Created Date: Not reported
 Operations SIC Id: Not reported
 SIC Code: Not reported
 Created By: Not reported
 Created Date: Not reported

A2 PANOCO, INC #27
SSE 1480 E PINE
1/4-1/2 CENTRAL POINT, OR 97502
1887 ft.

LUST U000436961
UST N/A

Site 1 of 2 in cluster A

Relative:
Lower

LUST:
 Facility ID: 15-93-0071
 Region: Western Region
 Clean Lead: Responsible Person
 Cleanup Start: 6-Aug-93
 Closed Date: 18-May-94
 Cleanup Complete: 31-Aug-93

Actual:
1257 ft.

UST:
 Facility ID: 6511
 Facility Telephone: -206282-4421
 Permittee Name: Not reported
 Active Tanks: Not reported
 Decommissioned Tanks: 5
 Number of Permitted Tanks: 4
 Number of Upgraded Tanks: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

A3 **CHEVRON U.S.A., INC. - 98337**
SSE **1510 E PINE**
1/4-1/2 **CENTRAL POINT, OR 97501**
1907 ft.

LUST **S102590458**
N/A

Site 2 of 2 in cluster A

Relative:
Lower

LUST:
 Facility ID: 15-92-0008
 Region: Western Region
 Clean Lead: Responsible Person
 Cleanup Start: 5-Feb-92
 Closed Date: 21-Dec-00
 Cleanup Complete: 4-Aug-00

Actual:
1264 ft.

4 **TEXACO STATION**
SSW **1125 E PINE ST**
1/4-1/2 **CENTRAL POINT, OR 97502**
1956 ft.

HSIS **U000436968**
LUST **N/A**
OR SPILLS
UST
AST

Relative:
Lower

LUST:
 Facility ID: 15-93-0017
 Region: Western Region
 Clean Lead: Not reported
 Cleanup Start: 4-Oct-96
 Closed Date: Not reported
 Cleanup Complete: Not reported

Actual:
1263 ft.

OR SPILLS:

Facility ID:	Not reported	Spill Date:	Not reported
Material:	Not reported	Quantity:	Not reported
Release Date:	/ /	Year:	95
How Occurred:	Not reported	OERS Number	Not reported
Source:	Not reported	Media	Not reported
Materials:	Not reported		
Location:	I-5 exit 31		
Description:	Trucker drove over curb puncturing tank and causing spill		
Description :	Not reported		

HSIS:

Emergency Contact:	CARL & LINDA CURRY
Emergency Procedure:	UNDER FRONT COUNTER
Chemical Trade Name:	DIESEL #2
Most Hazardous:	DIESEL FUEL #2
Manager Name:	CARL W CURRY JR
Mailing Address:	724 S CENTRAL AVE #212 MEDFORD, OR 97501
Mailing County:	JACKSON
Day Phone:	541-601-0725
Employee File #:	043661
No. of Employees:	12
Placard:	No
Business Type:	GASOLINE DISPENSING STATION & CONVENIENCE STORE
Sprinkler System:	No
Business Phone:	5416644339
Department Or Division Of Company:	CLC INVESTMENTS INC
Facility Has Written Emergency Plan:	Yes
Company Name:	SHELL OIL PRODUCTS US
Fire Dept Code:	0173
Physical State :	Not reported
Physical State Of The Substance:	LIQUID
Average Amount Possessed During The Year Code:	21

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

TEXACO STATION (Continued)

U000436968

Description Of The Avg Qnty Code:	5,000-9,999
Maximum Amount Possessed During The Year Code:	21
Description Of The Max Qnty Code:	5,000-9,999
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Storage Container:	
Type Code:	B
Description:	UNDERGROUND TANK
Pressure of Hazardous Substance Code:	1
Temperature of The Hazardous Substance Code:	4
Days The Hazardous Substance Is On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
United Nations/north America 4 Digit Classification Number:	1993
Chemical Abstract Service Identifier Number:	68476346
First Hazardous Classification Code For Chemical:	3.3
Hazard Classification 1 Of The Chemical:	Flammable Liq. (73F<FP<141F)
Second Hazardous Classification Code For Chemical:	6.4
Hazard Classification 2 Of The Chemical:	Chronic Health Hazard
Third Hazardous Classification Code For Chemical:	Not reported
Hazard Classification 3 Of The Chemical:	Not reported
Is Substance Pure Or Mixture:	Mixture
Hazard Rank:	2
Chemical Is An Extremely Hazardous Substance (ehs):	Not reported
Does The Chemical Contain A 112r Chemical:	No
Chemical Is A Toxic 313 Chemical:	No
EPA Pesticide Registration Number:	Not reported
Sic Code:	4471 - GASOLINE STATIONS WITH CONVENIENCE
Emergency Contact:	CARL & LINDA CURRY
Emergency Procedure:	UNDER FRONT COUNTER
Chemical Trade Name:	GASOLINE UNLEADED
Most Hazardous:	PETROLEUM DISTILLATES
Manager Name:	CARL W CURRY JR
Mailing Address:	724 S CENTRAL AVE #212
	MEDFORD, OR 97501
Mailing County:	JACKSON
Day Phone:	541-601-0725
Employee File #:	043661
No. of Employees:	12
Placard:	No
Business Type:	GASOLINE DISPENSING STATION & CONVENIENCE STORE
Sprinkler System:	No
Business Phone:	5416644339
Department Or Division Of Company:	CLC INVESTMENTS INC
Facility Has Written Emergency Plan:	Yes
Company Name:	SHELL OIL PRODUCTS US
Fire Dept Code:	0173
Physical State :	Not reported
Physical State Of The Substance:	LIQUID
Average Amount Possessed During The Year Code:	30
Description Of The Avg Qnty Code:	10,000-49,999
Maximum Amount Possessed During The Year Code:	30
Description Of The Max Qnty Code:	10,000-49,999
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Storage Container:	
Type Code:	B

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

TEXACO STATION (Continued)

EDR ID Number
 EPA ID Number

Database(s)

U000436968

Description:	UNDERGROUND TANK
Pressure of Hazardous Substance Code:	1
Temperature of The Hazardous Substance Code:	4
Days The Hazardous Substance Is On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
United Nations/north America 4 Digit Classification Number:	1203
Chemical Abstract Service Identifier Number:	8006619
First Hazardous Classification Code For Chemical:	3.1
Hazard Classification 1 Of The Chemical:	Flammable Liq.(FP<0F)
Second Hazardous Classification Code For Chemical:	6.4
Hazard Classification 2 Of The Chemical:	Chronic Health Hazard
Third Hazardous Classification Code For Chemical:	6.3
Hazard Classification 3 Of The Chemical:	Acute Health Hazard
Is Substance Pure Or Mixture:	Mixture
Hazard Rank:	2
Chemical Is An Extremely Hazardous Substance (ehs):	Not reported
Does The Chemical Contain A 112r Chemical:	No
Chemical Is A Toxic 313 Chemical:	No
EPA Pesticide Registration Number:	Not reported
Sic Code:	4471 - GASOLINE STATIONS WITH CONVENIENCE
Emergency Contact:	CARL & LINDA CURRY
Emergency Procedure:	UNDER FRONT COUNTER
Chemical Trade Name:	MOTOR OIL
Most Hazardous:	PETROLEUM HYDROCARBONS
Manager Name:	CARL W CURRY JR
Mailing Address:	724 S CENTRAL AVE #212 MEDFORD, OR 97501
Mailing County:	JACKSON
Day Phone:	541-601-0725
Employee File #:	043661
No. of Employees:	12
Placard:	No
Business Type:	GASOLINE DISPENSING STATION & CONVENIENCE STORE
Sprinkler System:	No
Business Phone:	5416644339
Department Or Division Of Company:	CLC INVESTMENTS INC
Facility Has Written Emergency Plan:	Yes
Company Name:	SHELL OIL PRODUCTS US
Fire Dept Code:	0173
Physical State :	Not reported
Physical State Of The Substance:	LIQUID
Average Amount Possessed During The Year Code:	04
Description Of The Avg Qnty Code:	50-199
Maximum Amount Possessed During The Year Code:	04
Description Of The Max Qnty Code:	50-199
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Storage Container:	
Type Code:	N
Description:	PLASTIC BOTTLE, JUG, BUCKET
Pressure of Hazardous Substance Code:	1
Temperature of The Hazardous Substance Code:	4
Days The Hazardous Substance Is On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
United Nations/north America 4 Digit Classification Number:	1270
Chemical Abstract Service Identifier Number:	64742547

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

TEXACO STATION (Continued)

U000436968

First Hazardous Classification Code For Chemical: 4.5
Hazard Classification 1 Of The Chemical: Combustible Materials
Second Hazardous Classification Code For Chemical: 6.4
Hazard Classification 2 Of The Chemical: Chronic Health Hazard
Third Hazardous Classification Code For Chemical: Not reported
Hazard Classification 3 Of The Chemical: Not reported
Is Substance Pure Or Mixture: Mixture
Hazard Rank: 2
Chemical Is An Extremely Hazardous Substance (ehs): Not reported
Does The Chemical Contain A 112r Chemical: Not reported
Chemical Is A Toxic 313 Chemical: Not reported
EPA Pesticide Registration Number: Not reported
Sic Code: 4471 - GASOLINE STATIONS WITH CONVENIENCE

Emergency Contact: CARL & LINDA CURRY
Emergency Procedure: UNDER FRONT COUNTER
Chemical Trade Name: PROPANE
Most Hazardous: PROPANE
Manager Name: CARL W CURRY JR
Mailing Address: 724 S CENTRAL AVE #212
MEDFORD, OR 97501

Mailing County: JACKSON
Day Phone: 541-601-0725
Employee File #: 043661
No. of Employees: 12
Placard: No
Business Type: GASOLINE DISPENSING STATION & CONVENIENCE STORE
Sprinkler System: No
Business Phone: 5416644339
Department Or Division Of Company: CLC INVESTMENTS INC
Facility Has Written Emergency Plan: Yes
Company Name: SHELL OIL PRODUCTS US
Fire Dept Code: 0173
Physical State : Not reported
Physical State Of The Substance: GAS
Average Amount Possessed During The Year Code: 10
Description Of The Avg Qnty Code: 200-499
Maximum Amount Possessed During The Year Code: 11
Description Of The Max Qnty Code: 500-999
Applicable Unit Of Measure Code: 2
Description Of The Unit Of Measure: GALLONS
Storage Container:
Type Code: A
Description: ABOVEGROUND TANK
Pressure of Hazardous Substance Code: 2
Temperature of The Hazardous Substance Code: 6
Days The Hazardous Substance Is On Site During Year: 365
Is The Substance Protected A Trade Secret: False
United Nations/north America 4 Digit Classification Number: 1075
Chemical Abstract Service Identifier Number: 74986
First Hazardous Classification Code For Chemical: 2.1
Hazard Classification 1 Of The Chemical: Flammable Gases
Second Hazardous Classification Code For Chemical: 6.3
Hazard Classification 2 Of The Chemical: Acute Health Hazard
Third Hazardous Classification Code For Chemical: Not reported
Hazard Classification 3 Of The Chemical: Not reported
Is Substance Pure Or Mixture: Mixture

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

TEXACO STATION (Continued)

U000436968

Hazard Rank: 2
Chemical Is An Extremely Hazardous Substance (ehs): Not reported
Does The Chemical Contain A 112r Chemical: No
Chemical Is A Toxic 313 Chemical: No
EPA Pesticide Registration Number: Not reported
Sic Code: 4471 - GASOLINE STATIONS WITH CONVENIENCE

UST:

Facility ID: 1390
Facility Telephone: -303346-6043
Permittee Name: Jerry McFadden
Active Tanks: 4
Decommissioned Tanks: 1
Number of Permitted Tanks: 5
Number of Upgraded Tanks: 4

AST:

Employer File Number: 043661
Hazardous Substance: PROPANE
Reporting Quantities: 500-999
Quantity Units: GALLONS
Physical State: GAS
Storage 1: ABOVEGROUND TANK

B5 PILOT TRAVEL CENTERS LLC
SSE 1600 EAST PINE ST.
1/4-1/2 CENTRAL POINT, OR 97502
1986 ft.

LUST U003115535
UST N/A

Site 1 of 2 in cluster B

Relative:
Higher

LUST:
Facility ID: 15-00-0036
Region: Western Region
Clean Lead: Not reported
Cleanup Start: 12-Jul-00
Closed Date: 14-Apr-03
Cleanup Complete: 24-Feb-03

Actual:
1267 ft.

UST:

Facility ID: 11611
Facility Telephone: 088-7488
Permittee Name: James T. Asbury
Active Tanks: 5
Decommissioned Tanks: 0
Number of Permitted Tanks: 5
Number of Upgraded Tanks: 5

B6 PILOT TRAVEL CENTER #391 HOT
SSE 1590 E PINE STREET
1/4-1/2 CENTRAL POINT, OR 97502
1986 ft.

LUST S102418155
N/A

Site 2 of 2 in cluster B

Relative:
Higher

LUST:
Facility ID: 15-96-0048
Region: Western Region
Clean Lead: Not reported
Cleanup Start: 12-Aug-96
Closed Date: 22-May-01
Cleanup Complete: 15-Mar-01

Actual:
1267 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)
EDR ID Number
EPA ID Number

7 PACIFIC NW BELL - CENTRAL POINT
SW E PINE ST & FREEMAN RD
1/2-1 CENTRAL POINT, OR 97502
2809 ft.

SHWS - ECSI 1006854822
FINDS 110014170994

Relative:
Lower

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Oregon Department of Environmental Quality

Actual:
1263 ft.

ECSI:
State ID Number: 670
Study Area: False
Cerclis ID: 0
Size: Not reported
Orphan: False
Lat/Long: 42 / -123
Township Coord.: 37
Range Coord.: 2
Section Coord.: 2
Legislative : 2
FACA ID : 40010
Update Date : 05/20/2003
Created Time : 11/07/1988
Brown ID 0
Coordinator Supplier: GWISTAR
Tax Lots: 100;900;1000
NPL: False
Region ID: 3
Tax Lots: 100;900;1000
Township Zone: S
Range Zone: W
Qtr Section: Not reported
Further Action: 0
Score Value: 0
Created Date: CONV

HAZ RELEASED:

Quant. Released: unknown
Date: / /
Update Date: 07/11/1988
Update By: Not reported
Substance ID : 121994
Code : ECD222
Substance Name : PETROLEUM
Substance Abbrev. : Not reported
Substance Categ ID : 8533
Substance Sub Categ : Petroleum Related Releases for OSPIRG Report
Category Level : 0
Created By : Not reported
Create Date : 12/17/2002
Substance Alias ID : Not reported
Sub Alias Name : Not reported
Rel Comment ID : 304363
Release Code : Data Sources
Release Comments : SWR Spill file
Sampling Result ID : 346484
Feature Id : Not reported
Hazard Release Id : 385275
Medium Code Id : 703
Substance Id : Not reported
Unit Code : Not reported
Observation : False
Owner Operator : False
Lab Data : False
Sample Depth : Not reported
Start Date : Not reported
End Date : Not reported
Minimum Concentration : Not reported
Max Concentration : Not reported
Last Update By : CONV
Last Updated On : 09/13/1994
Sample Comment : Hydrocarbon ID

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

PACIFIC NW BELL - CENTRAL POINT (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1006854822

Alias Name: Not reported
 Investigation Status: 206

NARR:

NARR ID: 5727619
 NARR Code : Contamination
 Created By: Not reported
 Create Date: 2002-12-17 08:50:04
 Updated By: Not reported
 Updated Date: 2002-12-17 08:50:04

NARR Comments (1/18/95 CPJ/SAS) PNB representative reported petroleum in a telephone vault when the vault was opened on June 9, 1987. DEQ investigation found three possible sources, all service stations. Tanks at the stations were tested and found to be tight. DE Q visited the site 12/8/88. The vault was reopened; no petroleum product was detected in the standing water. Regional personnel believe the source was a vehicle accident at the intersection of Freeman and Pine Sts. petroleum Source of contamination not known, but release occurred before June 1987.

NARR ID: 5727620
 NARR Code : Hazardous Substance/Waste Types
 Created By: Not reported
 Create Date: 2002-12-17 08:50:04
 Updated By: Not reported
 Updated Date: 2002-12-17 08:50:04
 NARR ID: 5727621
 NARR Code : Manner of Release
 Created By: Not reported
 Create Date: 2002-12-17 08:50:04
 Updated By: Not reported
 Updated Date: 2002-12-17 08:50:04

ECWQ:

Owner Site Num: 131971 FACA Id : 40010
 Site Name: Pacific NW Bell - Central Point
 County Code : 15
 Owner Name: Pacific NW Bell - Central Point
 Owner Address: E Pine ST & Freeman RD
 Central Point, 97502
 Lat/Long 42.3786 / -122.9058
 Owner Code: NFA

PERMIT:

Permit Number: Not reported Permit Type: Not reported
 Permit Agency: Not reported
 Permit Comments: Not reported

ADMIN ACT:

Admin ID: 722048 Action ID: Not reported
 Agency ID : Dept Of Environmental Quality Start Date: 02/11/1994
 Further Action: Not reported Region ID: Headquarters
 Complete Date: Not reported Substance Code: SAS
 Rank Value: 0 Cleanup Flag: False
 Updated By: kpd Update Date: 04/22/1998
 Created By: Not reported Create Date: 12/17/2002
 Employee Id: 293
 Comments : Not reported

Admin ID: 723962 Action ID: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

PACIFIC NW BELL - CENTRAL POINT (Continued)

1006854822

Agency ID :	Dept Of Environmental Quality	Start Date:	11/30/1988
Further Action:	Not reported	Region ID:	Headquarters
Complete Date:	Not reported	Substance Code:	SAS
Rank Value:	0	Cleanup Flag:	False
Updated By:	kpd	Update Date:	04/22/1998
Created By:	Not reported	Create Date:	12/17/2002
Employee Id:	0		
Comments :	Not reported		

Admin ID:	717709	Action ID:	Not reported
Agency ID :	Dept Of Environmental Quality	Start Date:	01/18/1995
Further Action:	Not reported	Region ID:	Western Region
Complete Date:	Not reported	Substance Code:	SAS
Rank Value:	0	Cleanup Flag:	False
Updated By:	dmc	Update Date:	02/10/1995
Created By:	Not reported	Create Date:	12/17/2002
Employee Id:	440		
Comments :	Not reported		

Admin ID:	717710	Action ID:	Not reported
Agency ID :	Dept Of Environmental Quality	Start Date:	01/18/1995
Further Action:	Not reported	Region ID:	Western Region
Complete Date:	Not reported	Substance Code:	SAS
Rank Value:	0	Cleanup Flag:	False
Updated By:	dmc	Update Date:	02/10/1995
Created By:	Not reported	Create Date:	12/17/2002
Employee Id:	440		
Comments :	Not reported		

Admin ID:	717711	Action ID:	Not reported
Agency ID :	Dept Of Environmental Quality	Start Date:	01/18/1995
Further Action:	Not reported	Region ID:	Western Region
Complete Date:	Not reported	Substance Code:	SAS
Rank Value:	0	Cleanup Flag:	False
Updated By:	gmw	Update Date:	03/09/1999
Created By:	Not reported	Create Date:	12/17/2002
Employee Id:	440		
Comments :	Not reported		

Admin ID:	718492	Action ID:	Not reported
Agency ID :	Dept Of Environmental Quality	Start Date:	11/07/1988
Further Action:	Not reported	Region ID:	Headquarters
Complete Date:	Not reported	Substance Code:	SAS
Rank Value:	0	Cleanup Flag:	False
Updated By:	kpd	Update Date:	04/22/1998
Created By:	Not reported	Create Date:	12/17/2002
Employee Id:	26		
Comments :	Not reported		

DISPOSAL:		Feature ID:	Not reported
Disposal ID:	Not reported		
Medium :	Not reported		
Treatment :	Not reported		
Disposal Method:	Not reported		
Start Date:	Not reported	End Date:	Not reported
Disposal Flag:	Not reported	Disposal Qty:	Not reported
Unit Code:	Not reported		
Depth :	Not reported		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PACIFIC NW BELL - CENTRAL POINT (Continued)

1006854822

Monitor : Not reported
Manifest Num : Not reported
Removed By : Not reported
Loc Comments: Not reported
Disposal Sub ID: Not reported
Substance ID: Not reported
Created By: Not reported
Create Date: Not reported

FEATURE:

Feature Id : Not reported
Site Id : Not reported
Feature Code : Not reported
Relative Position : Not reported
Hazard Rel Id : Not reported
Region Code : Not reported
Lat Long Method : Not reported
Lat Long Source : Not reported
County Code : Not reported
Reference Id : Not reported
Township Coord : Not reported
Township Zone : Not reported
Range Coord : Not reported
Range Zone : Not reported
Section Coord : Not reported
Qtr Section Coord : Not reported
Address : Not reported
Not reported
Zip Plus : Not reported
Lat/Long : Not reported
Lat/Lon Decimal : Not reported
Feature Size : Not reported
Est Accuracy : Not reported
Created On Date : Not reported
Created By Prgm : Not reported
Last Updated By : Not reported
Last Updated On : Not reported
Comment : Not reported

WELL:

Well ID: Not reported
Water Resource Code: Not reported
Effective Date: Not reported
Aquifer Code: Not reported
Ground Station Key: Not reported

OPERATIONS:

Operation Id : 131971
Operation Status :670
Common Name : Pacific NW Bell - Central Point
Yrs of Operation : Not reported
Comments : Not reported
Updated By : CONV
Updated Date : 09/13/1994

Process Code ID: Not reported
Years Of Process:Not reported
Created By: Not reported
Created Date: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

PACIFIC NW BELL - CENTRAL POINT (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1006854822

Operations SIC Id:195143
 SIC Code: 7389
 Created By: Not reported
 Created Date: 12/17/2002

8
 SE
 1/2-1
 4450 ft.

LTM INCORPORATED
 3959 HAMRICK RD
 CENTRAL POINT, OR 97502

SHWS - ECSI S103842328
 HSIS N/A
 OR CRL
 AST
 OR VCS

Relative:
 Higher

Actual:
 1283 ft.

ECSI:	State ID Number: 1393	Brown ID	0
	Study Area: False	Coordinator Supplier:	GWISTAR
	Cerclis ID: 0	Tax Lots:	Not reported
	Size: Not reported	NPL:	False
	Orphan: False	Region ID:	3
	Lat/Long: 42 / -123	Tax Lots:	Not reported
	Township Coord.: 37	Township Zone:	S
	Range Coord.: 2	Range Zone:	W
	Section Coord.: 1	Qtr Section:	Not reported
	Legislative : 1	Further Action:	0
	FACA ID : 3554	Score Value:	0
	Update Date : 12/01/2003	Created Date:	CONV
	Created Time : 06/09/1993		

HAZ RELEASED:

Quant. Released: unknown
 Date: / /
 Update Date: 11/12/1991
 Update By: Not reported

Substance ID : 121982
 Code : ECD169
 Substance Name : DIESEL - FUEL OIL
 Substance Abbrev. : Not reported
 Substance Categ ID : 8529
 Substance Sub Categ : Petroleum Related Releases for OSPIRG Report
 Category Level : 0
 Created By : Not reported
 Create Date : 12/17/2002
 Substance Alias ID : Not reported
 Sub Alias Name : Not reported
 Rel Comment ID : Not reported
 Release Code : Not reported
 Release Comments : Not reported
 Sampling Result ID : 344122
 Feature Id : Not reported
 Hazard Release Id : 383665
 Medium Code Id : 703
 Substance Id : Not reported
 Unit Code : Not reported
 Observation : False
 Owner Operator : False
 Lab Data : True
 Sample Depth : Not reported
 Start Date : 3/15/1999 0:00
 End Date : Not reported
 Minimum Concentration : Not reported
 Max Concentration : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LTM INCORPORATED (Continued)

S103842328

Last Update By : gmw
Last Updated On : 08/16/2001
Sample Comment : 450 mg/kg
Sampling Result ID : 344123
Feature Id : Not reported
Hazard Release Id : 383665
Medium Code Id : 698
Substance Id : Not reported
Unit Code : Not reported
Observation : False
Owner Operator : False
Lab Data : True
Sample Depth : Not reported
Start Date : 3/15/1999 0:00
End Date : Not reported
Minimum Concentration : Not reported
Max Concentration : Not reported
Last Update By : gmw
Last Updated On : 08/16/2001
Sample Comment : 38 mg/L
Quant. Released: unknown
Date: / /
Update Date: 08/16/2001
Update By: Not reported
Substance ID : 121989
Code : ECD200
Substance Name : OIL OR FUEL RELATED COMPOUNDS
Substance Abbrev. : Not reported
Substance Categ ID : 8532
Substance Sub Categ : Petroleum Related Releases for OSPIRG Report
Category Level : 0
Created By : Not reported
Create Date : 12/17/2002
Substance Alias ID : Not reported
Sub Alias Name : Not reported
Rel Comment ID : Not reported
Release Code : Not reported
Release Comments : Not reported
Sampling Result ID : 338618
Feature Id : Not reported
Hazard Release Id : 379891
Medium Code Id : 703
Substance Id : Not reported
Unit Code : Not reported
Observation : False
Owner Operator : False
Lab Data : True
Sample Depth : Not reported
Start Date : 3/15/1999 0:00
End Date : Not reported
Minimum Concentration : Not reported
Max Concentration : Not reported
Last Update By : gmw
Last Updated On : 08/16/2001
Sample Comment : 990 mg/kg
Sampling Result ID : 338619
Feature Id : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LTM INCORPORATED (Continued)

S103842328

Hazard Release Id : 379891
Medium Code Id : 698
Substance Id : Not reported
Unit Code : Not reported
Observation : False
Owner Operator : False
Lab Data : True
Sample Depth : Not reported
Start Date : 3/15/1999 0:00
End Date : Not reported
Minimum Concentration : Not reported
Max Concentration : Not reported
Last Update By : gmw
Last Updated On : 08/16/2001
Sample Comment : 250 mg/L

Alias Name: Lininger Tru-Mix - Hamrick RD
LTM Inc.

Investigation Status: 207

NARR:

NARR ID: 5733030
NARR Code : Contamination
Created By: Not reported
Create Date: 2002-12-17 08:50:04
Updated By: GWISTAR
Updated Date: 2002-12-24 13:07:31

NARR Comments (12/8/92 BPeterson/SWR) DEQ reviewed information indicating that a release of a hazardous substance has contaminated soil and groundwater at the site. According to Century West Engineering, there are two primary areas of diesel-related contamination : the asphalt plant and SUMP-1. (MLC CU/WR 1/4/00) In 3/99, test pits were excavated in the vicinity of a proposed storm sewer line. The highest soil diesel concentration was 450 ppm, and the highest oil level in soil was 990 ppm. The highest ground water diesel concentration was 100 mg/L, and the highest groundwater oil concentration was 250 mg/L. There are 21 monitoring wells on-site, which are analyzed for TPH (total, diesel, and heavy oil) and PAHs. The highest TPH-D result in groundwater was as 38 mg/L (MW-3) on 12/97.
1) Site Characterization Report by Century West Engineering (3/23/92) 2) Corrective Action Plan by Century West Engineering (9/1/92) 3) DEQ options letter (8/12/92) 4) Notification of Hazardous Substance Release by DEQ (12/11/92) 5) Risk Evaluation Report, LTM Hamrick Road Site, Medford, Oregon by Parametric (3/17/04) Diesel, oil, PAHs.
SW 1/4 of the SW 1/4 of section 1; SE 1/4 of the SE 1/4 of section 2; NE 1/4 of the NE 1/4 of section 11; NW 1/4 of the NW 1/4 of section 12
Underground storage tank (UST) leaks and surface spills.
Groundwater, soil, and possibly surface water.
(1992 Century West Eng.) Site is bounded north by light industry, east by orchards, south and west by Bear Creek. There are approximately 850 wells within a 2-mile radius; 90 percent of these are domestic (mostly drawing water from 40 to 70 feet below ground grade). Historically, petroleum products have been stored primarily in above-ground storage tanks (ASTs); however, several USTs were used for diesel and waste oils.
(12/11/92 BP/SWR) Further action recommended. Partial cleanup has occurred, but

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LTM INCORPORATED (Continued)

S103842328

additional sampling and cleanup is needed. Site was referred to SAS. (1/4/00 M2C/1/4/2000) There has been quarterly groundwater sampling from monitoring wells MW-1 through MW-19 & RW-1 since 1995. The wells have been analyzed for diesel/heavy oils and PAHs. Starting in spring 1999, monitoring wells MW-4, MW-5, MW-6, & RW-1 will be sampled annually. MW-7 will be sampled semi-annually. MW-13 & MW-17 will be used for water level measurement only. MW-1 through MW-3, MW-8 through MW-12, MW-14 through MW-16, & MW-18 through MW-19 will continue to be sampled quarterly. In May 1999, MW-20 & MW-21 were installed near Bear Creek. These wells will be sampled quarterly for diesel/heavy oils & PAHs. (9/8/04 M2C/VCP) LTM has conducted several investigations in the following areas: 1) the pipe plant area, 2) the smudge pot area, 3) the maintenance shop area, 4) the lube room area, 5) the Hayes oil tank area, 6) the truck wash down area, and 7) the SUMP-1 and asphalt plant areas. Remedial activities have included contaminated soil excavation, treatment and disposal, construction of a product recovery trench, and installation of groundwater monitoring well network. The remaining area to be evaluated was potential impacts to Bear Creek. In July 2002, Parametric completed a seep investigation along the north bank of Bear Creek, in the vicinity of groundwater contaminated with low concentrations of petroleum hydrocarbons. Soil and water samples were collected. The sample results indicated that site contaminants have been released or are currently being released into Bear Creek. In October 2003, Parametric collected additional samples from seeps along the bank, sediment in Bear Creek and surface water in Bear Creek. Parametric presented sample results and evaluation in their Risk Evaluation Report dated March 2004. DEQ is reviewing the report. Groundwater contamination and potential impacts to Bear Creek.

NARR ID: 5733031
NARR Code : Data Sources
Created By: Not reported
Create Date: 2002-12-17 08:50:04
Updated By: MCAMARA
Updated Date: 2004-09-09 08:43:23
NARR ID: 5733032
NARR Code : Hazardous Substance/Waste Types
Created By: Not reported
Create Date: 2002-12-17 08:50:04
Updated By: Not reported
Updated Date: 2002-12-17 08:50:04
NARR ID: 5733033
NARR Code : Site Location
Created By: Not reported
Create Date: 2002-12-17 08:50:04
Updated By: Not reported
Updated Date: 2002-12-17 08:50:04
NARR ID: 5733034
NARR Code : Manner of Release
Created By: Not reported
Create Date: 2002-12-17 08:50:04
Updated By: Not reported
Updated Date: 2002-12-17 08:50:04
NARR ID: 5733035
NARR Code : Media Contamination

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LTM INCORPORATED (Continued)

S103842328

Created By: Not reported
Create Date: 2002-12-17 08:50:04
Updated By: Not reported
Updated Date: 2002-12-17 08:50:04
NARR ID: 5733036
NARR Code : Pathways Other Hazards
Created By: Not reported
Create Date: 2002-12-17 08:50:04
Updated By: Not reported
Updated Date: 2002-12-17 08:50:04
NARR ID: 5733037
NARR Code : Remedial Action
Created By: Not reported
Create Date: 2002-12-17 08:50:04
Updated By: MCAMARA
Updated Date: 2004-09-09 09:01:17
NARR ID: 5733038
NARR Code : Health Threats
Created By: Not reported
Create Date: 2002-12-17 08:50:04
Updated By: Not reported
Updated Date: 2002-12-17 08:50:04

ECWQ:

Owner Site Num: 132707 FACA Id : 3554
Site Name: LTM - Hamrick RD Asphalt Plant
County Code : 15
Owner Name: LTM - Hamrick RD Asphalt Plant
Owner Address: 3959 Hamrick RD
Central Point, 97502
Lat/Long 42.3750 / -122.8938
Owner Code: LIS

PERMIT:

Permit Number: Not reported Permit Type: Not reported
Permit Agency: Not reported
Permit Comments: Not reported

ADMIN ACT:

Admin ID: 704410 Action ID: Not reported
Agency ID : Dept Of Environmental Quality Start Date: 06/05/2001
Further Action: Not reported Region ID: Western Region
Complete Date: Not reported Substance Code: VCS
Rank Value: 0 Cleanup Flag: False
Updated By: gmw Update Date: 07/09/2001
Created By: Not reported Create Date: 12/17/2002
Employee Id: 2197
Comments : Not reported

Admin ID: 704411 Action ID: Not reported
Agency ID : Dept Of Environmental Quality Start Date: 06/05/2001
Further Action: Not reported Region ID: Western Region
Complete Date: Not reported Substance Code: VCS
Rank Value: 0 Cleanup Flag: False
Updated By: gmw Update Date: 07/09/2001
Created By: Not reported Create Date: 12/17/2002
Employee Id: 2197
Comments : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

LTM INCORPORATED (Continued)

Database(s) EDR ID Number
EPA ID Number

S103842328

Admin ID:	720495	Action ID:	Not reported
Agency ID :	Dept Of Environmental Quality	Start Date:	04/01/1994
Further Action:	Not reported	Region ID:	0
Complete Date:	Not reported	Substance Code:	SAS
Rank Value:	0	Cleanup Flag:	False
Updated By:	gmw	Update Date:	07/09/2001
Created By:	Not reported	Create Date:	12/17/2002
Employee Id:	649		
Comments :	Not reported		
Admin ID:	721402	Action ID:	Not reported
Agency ID :	Dept Of Environmental Quality	Start Date:	12/10/1992
Further Action:	Not reported	Region ID:	Western Region
Complete Date:	Not reported	Substance Code:	UST
Rank Value:	0	Cleanup Flag:	False
Updated By:	kpd	Update Date:	11/26/1997
Created By:	Not reported	Create Date:	12/17/2002
Employee Id:	591		
Comments :	Not reported		
Admin ID:	714609	Action ID:	Not reported
Agency ID :	Dept Of Environmental Quality	Start Date:	02/05/1996
Further Action:	Not reported	Region ID:	Western Region
Complete Date:	Not reported	Substance Code:	VCS
Rank Value:	6	Cleanup Flag:	False
Updated By:	kna	Update Date:	08/05/1997
Created By:	Not reported	Create Date:	12/17/2002
Employee Id:	179		
Comments :	Not reported		
Admin ID:	723492	Action ID:	Not reported
Agency ID :	Dept Of Environmental Quality	Start Date:	12/10/1992
Further Action:	Not reported	Region ID:	Western Region
Complete Date:	Not reported	Substance Code:	UST
Rank Value:	0	Cleanup Flag:	False
Updated By:	kpd	Update Date:	11/26/1997
Created By:	Not reported	Create Date:	12/17/2002
Employee Id:	591		
Comments :	Not reported		
Admin ID:	723493	Action ID:	Not reported
Agency ID :	Dept Of Environmental Quality	Start Date:	12/11/1992
Further Action:	Not reported	Region ID:	Western Region
Complete Date:	Not reported	Substance Code:	UST
Rank Value:	0	Cleanup Flag:	False
Updated By:	kpd	Update Date:	11/26/1997
Created By:	Not reported	Create Date:	12/17/2002
Employee Id:	591		
Comments :	Not reported		
Admin ID:	702150	Action ID:	Not reported
Agency ID :	Dept Of Environmental Quality	Start Date:	08/20/2001
Further Action:	Not reported	Region ID:	Western Region
Complete Date:	Not reported	Substance Code:	VCS
Rank Value:	0	Cleanup Flag:	False
Updated By:	kvp	Update Date:	08/21/2001

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

LTM INCORPORATED (Continued)

S103842328

Created By:	Not reported	Create Date:	12/17/2002
Employee Id:	730		
Comments :	Not reported		
Admin ID:	709321	Action ID:	Not reported
Agency ID :	Dept Of Environmental Quality	Start Date:	06/01/1997
Further Action:	Not reported	Region ID:	Western Region
Complete Date:	Not reported	Substance Code:	VCS
Rank Value:	0	Cleanup Flag:	False
Updated By:	jmc	Update Date:	03/10/1998
Created By:	Not reported	Create Date:	12/17/2002
Employee Id:	179		
Comments :	file review summary		
Admin ID:	709322	Action ID:	Not reported
Agency ID :	Dept Of Environmental Quality	Start Date:	07/28/1997
Further Action:	Not reported	Region ID:	Western Region
Complete Date:	Not reported	Substance Code:	VCS
Rank Value:	0	Cleanup Flag:	False
Updated By:	gmw	Update Date:	07/09/2001
Created By:	Not reported	Create Date:	12/17/2002
Employee Id:	2197		
Comments :	Not reported		
Admin ID:	716538	Action ID:	Not reported
Agency ID :	Dept Of Environmental Quality	Start Date:	06/09/1993
Further Action:	Not reported	Region ID:	0
Complete Date:	Not reported	Substance Code:	SAS
Rank Value:	0	Cleanup Flag:	False
Updated By:	CONV	Update Date:	03/17/1995
Created By:	Not reported	Create Date:	12/17/2002
Employee Id:	649		
Comments :	Not reported		
Admin ID:	703098	Action ID:	Not reported
Agency ID :	Dept Of Environmental Quality	Start Date:	01/18/2002
Further Action:	Not reported	Region ID:	Western Region
Complete Date:	Not reported	Substance Code:	VCS
Rank Value:	0	Cleanup Flag:	False
Updated By:	kvp	Update Date:	01/18/2002
Created By:	Not reported	Create Date:	12/17/2002
Employee Id:	730		
Comments :	Not reported		
Admin ID:	703100	Action ID:	Not reported
Agency ID :	Dept Of Environmental Quality	Start Date:	01/18/2002
Further Action:	Not reported	Region ID:	Western Region
Complete Date:	Not reported	Substance Code:	VCS
Rank Value:	0	Cleanup Flag:	False
Updated By:	kvp	Update Date:	01/18/2002
Created By:	Not reported	Create Date:	12/17/2002
Employee Id:	730		
Comments :	Not reported		
Admin ID:	703102	Action ID:	Not reported
Agency ID :	Dept Of Environmental Quality	Start Date:	08/20/2001
Further Action:	Not reported	Region ID:	Western Region

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

LTM INCORPORATED (Continued)

S103842328

Complete Date:	Not reported	Substance Code:	VCS
Rank Value:	0	Cleanup Flag:	False
Updated By:	kvp	Update Date:	01/18/2002
Created By:	Not reported	Create Date:	12/17/2002
Employee Id:	730		
Comments :	Not reported		

Admin ID:	726286	Action ID:	Not reported
Agency ID :	Dept Of Environmental Quality	Start Date:	12/11/1992
Further Action:	0	Region ID:	Western Region
Complete Date:	0	Substance Code:	SAS
Rank Value:	0	Cleanup Flag:	False
Updated By:	GWISTAR	Update Date:	05/22/2003
Created By:	GWISTAR	Create Date:	05/22/2003
Employee Id:	591		
Comments :	Not reported		

DISPOSAL:

Disposal ID:	Not reported	Feature ID:	Not reported
Medium :	Not reported		
Treatment :	Not reported		
Disposal Method:	Not reported		
Start Date:	Not reported	End Date:	Not reported
Disposal Flag:	Not reported	Disposal Qty:	Not reported
Unit Code:	Not reported		
Depth :	Not reported		
Monitor :	Not reported		
Manifest Num :	Not reported		
Removed By :	Not reported		
Loc Comments:	Not reported		
Disposal Sub ID:	Not reported		
Substance ID:	Not reported		
Created By:	Not reported		
Create Date:	Not reported		

FEATURE:

Feature Id :	Not reported
Site Id :	Not reported
Feature Code :	Not reported
Relative Position :	Not reported
Hazard Rel Id :	Not reported
Region Code :	Not reported
Lat Long Method :	Not reported
Lat Long Source :	Not reported
County Code :	Not reported
Refrence Id :	Not reported
Twncshp Coord :	Not reported
Township Zone :	Not reported
Range Coord :	Not reported
Range Zone :	Not reported
Section Coord :	Not reported
Qtr Section Coord :	Not reported
Address :	Not reported
Zip Plus :	Not reported
Lat/Long :	Not reported
Lat/Lon Decimal :	Not reported
Feature Size :	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LTM INCORPORATED (Continued)

S103842328

Est Accuracy : Not reported
Created On Date : Not reported
Created By Prgm : Not reported
Last Updated By : Not reported
Last Updated On : Not reported
Comment : Not reported

WELL:

Well ID: Not reported
Water Resource Code: Not reported
Effective Date: Not reported
Aquifer Code: Not reported
Ground Station Key: Not reported

OPERATIONS:

Operation Id : 132707
Operation Status :1393
Common Name : LTM - Hamrick RD Asphalt Plant
Yrs of Operation : 1940s to present
Comments : 1940s to present
Updated By : CONV
Updated Date : 09/13/1994

Process Code ID: Not reported
Years Of Process:Not reported
Created By: Not reported
Created Date: Not reported

Operations SIC Id:195703
SIC Code: 2951
Created By: Not reported
Created Date: 12/17/2002

OR CRL:

Facility ID: 1393
Location ID: 3554
Status Code: LIS
Facility Status: REMEDIAL INVESTIGATION
Lat/Long: 42.375 / -122.8938

OR VCS:

ECS Site ID: 1393
Action: RI
Start Date: 1997-07-28
End Date: Not reported
Program: VCS
CRL: LIS
Facility Size: Not reported
Project Manager Last Name: Camarata
Project Manager First Name: Mary

HSIS:

Emergency Contact: CURTIS CRICHTON
Emergency Procedure: SAFETY OFFICE
Chemical Trade Name: ACETYLENE
Most Hazardous: ACETYLENE
Manager Name: ROBERT E VAUGHN
Mailing Address: PO BOX 1145
MEDFORD, OR 97501
Mailing County: JACKSON
Day Phone: 5417702960

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LTM INCORPORATED (Continued)

S103842328

Employee File #: 008566
No. of Employees: 115
Placard: Yes
Business Type: GENERAL
CONTRACTOR-CONSTRUCTION/HEAVY-STREETS/HIGHWAYS
Sprinkler System: Yes
Business Phone: 5417322726
Department Or Division Of Company: HAMRICK YARD
Facility Has Written Emergency Plan: Yes
Company Name: LTM INCORPORATED
Fire Dept Code: 0173
Physical State : Not reported
Physical State Of The Substance: GAS
Average Amount Possessed During The Year Code: 10
Description Of The Avg Qnty Code: 200-499
Maximum Amount Possessed During The Year Code: 11
Description Of The Max Qnty Code: 500-999
Applicable Unit Of Measure Code: 3
Description Of The Unit Of Measure: CUBIC FEET
Storage Container:
Type Code: L
Description: CYLINDER
Pressure of Hazardous Substance Code: 2
Temperature of The Hazardous Substance Code: 4
Days The Hazardous Substance Is On Site During Year: 365
Is The Substance Protected A Trade Secret: False
United Nations/north America 4 Digit Classification Number: 1001
Chemical Abstract Service Identifier Number: 74862
First Hazardous Classification Code For Chemical: 2.1
Hazard Classification 1 Of The Chemical: Flammable Gases
Second Hazardous Classification Code For Chemical: 6.3
Hazard Classification 2 Of The Chemical: Acute Health Hazard
Third Hazardous Classification Code For Chemical: Not reported
Hazard Classification 3 Of The Chemical: Not reported
Is Substance Pure Or Mixture: Mixture
Hazard Rank: 2
Chemical Is An Extremely Hazardous Substance (ehs): Not reported
Does The Chemical Contain A 112r Chemical: No
Chemical Is A Toxic 313 Chemical: No
EPA Pesticide Registration Number: Not reported
Sic Code: 2373 - HIGHWAY, STREET, & BRIDGE CONST
3273 - READY-MIX CONCRETE MFG
Emergency Contact: CURTIS CRICHTON
Emergency Procedure: SAFETY OFFICE
Chemical Trade Name: ANTIFREEZE
Most Hazardous: ETHYLENE GLYCOL
Manager Name: ROBERT E VAUGHN
Mailing Address: PO BOX 1145
MEDFORD, OR 97501
Mailing County: JACKSON
Day Phone: 5417702960
Employee File #: 008566
No. of Employees: 115
Placard: Yes
Business Type: GENERAL
CONTRACTOR-CONSTRUCTION/HEAVY-STREETS/HIGHWAYS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

LTM INCORPORATED (Continued)

S103842328

Sprinkler System:	Yes
Business Phone:	5417322726
Department Or Division Of Company:	HAMRICK YARD
Facility Has Written Emergency Plan:	Yes
Company Name:	LTM INCORPORATED
Fire Dept Code:	0173
Physical State :	Not reported
Physical State Of The Substance:	LIQUID
Average Amount Possessed During The Year Code:	04
Description Of The Avg Qnty Code:	50-199
Maximum Amount Possessed During The Year Code:	04
Description Of The Max Qnty Code:	50-199
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Storage Container:	
Type Code:	D
Description:	STEEL DRUM
Pressure of Hazardous Substance Code:	1
Temperature of The Hazardous Substance Code:	4
Days The Hazardous Substance Is On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
United Nations/north America 4 Digit Classification Number:	3082
Chemical Abstract Service Identifier Number:	107211
First Hazardous Classification Code For Chemical:	6.3
Hazard Classification 1 Of The Chemical:	Acute Health Hazard
Second Hazardous Classification Code For Chemical:	Not reported
Hazard Classification 2 Of The Chemical:	Not reported
Third Hazardous Classification Code For Chemical:	Not reported
Hazard Classification 3 Of The Chemical:	Not reported
Is Substance Pure Or Mixture:	Mixture
Hazard Rank:	2
Chemical Is An Extremely Hazardous Substance (ehs):	Not reported
Does The Chemical Contain A 112r Chemical:	No
Chemical Is A Toxic 313 Chemical:	No
EPA Pesticide Registration Number:	Not reported
Sic Code:	2373 - HIGHWAY, STREET, & BRIDGE CONST 3273 - READY-MIX CONCRETE MFG
Emergency Contact:	CURTIS CRICHTON
Emergency Procedure:	SAFETY OFFICE
Chemical Trade Name:	ARGON
Most Hazardous:	ARGON
Manager Name:	ROBERT E VAUGHN
Mailing Address:	PO BOX 1145 MEDFORD, OR 97501
Mailing County:	JACKSON
Day Phone:	5417702960
Employee File #:	008566
No. of Employees:	115
Placard:	Yes
Business Type:	GENERAL CONTRACTOR-CONSTRUCTION/HEAVY-STREETS/HIGHWAYS
Sprinkler System:	Yes
Business Phone:	5417322726
Department Or Division Of Company:	HAMRICK YARD
Facility Has Written Emergency Plan:	Yes
Company Name:	LTM INCORPORATED

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

LTM INCORPORATED (Continued)

S103842328

Fire Dept Code:	0173
Physical State :	Not reported
Physical State Of The Substance:	GAS
Average Amount Possessed During The Year Code:	04
Description Of The Avg Qnty Code:	50-199
Maximum Amount Possessed During The Year Code:	10
Description Of The Max Qnty Code:	200-499
Applicable Unit Of Measure Code:	3
Description Of The Unit Of Measure:	CUBIC FEET
Storage Container:	
Type Code:	L
Description:	CYLINDER
Pressure of Hazardous Substance Code:	2
Temperature of The Hazardous Substance Code:	4
Days The Hazardous Substance Is On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
United Nations/north America 4 Digit Classification Number:	1006
Chemical Abstract Service Identifier Number:	7440371
First Hazardous Classification Code For Chemical:	2.2
Hazard Classification 1 Of The Chemical:	NonFlammable Gases
Second Hazardous Classification Code For Chemical:	Not reported
Hazard Classification 2 Of The Chemical:	Not reported
Third Hazardous Classification Code For Chemical:	Not reported
Hazard Classification 3 Of The Chemical:	Not reported
Is Substance Pure Or Mixture:	Pure
Hazard Rank:	2
Chemical Is An Extremely Hazardous Substance (ehs):	Not reported
Does The Chemical Contain A 112r Chemical:	No
Chemical Is A Toxic 313 Chemical:	No
EPA Pesticide Registration Number:	Not reported
Sic Code:	2373 - HIGHWAY, STREET, & BRIDGE CONST 3273 - READY-MIX CONCRETE MFG
Emergency Contact:	CURTIS CRICHTON
Emergency Procedure:	SAFETY OFFICE
Chemical Trade Name:	ASPHALT EMULSION
Most Hazardous:	PETROLEUM HYDROCARBON
Manager Name:	ROBERT E VAUGHN
Mailing Address:	PO BOX 1145 MEDFORD, OR 97501
Mailing County:	JACKSON
Day Phone:	5417702960
Employee File #:	008566
No. of Employees:	115
Placard:	Yes
Business Type:	GENERAL CONTRACTOR-CONSTRUCTION/HEAVY-STREETS/HIGHWAYS
Sprinkler System:	Yes
Business Phone:	5417322726
Department Or Division Of Company:	HAMRICK YARD
Facility Has Written Emergency Plan:	Yes
Company Name:	LTM INCORPORATED
Fire Dept Code:	0173
Physical State :	Not reported
Physical State Of The Substance:	LIQUID
Average Amount Possessed During The Year Code:	20
Description Of The Avg Qnty Code:	1,000-4,999

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LTM INCORPORATED (Continued)

S103842328

Maximum Amount Possessed During The Year Code: 20
Description Of The Max Qnty Code: 1,000-4,999
Applicable Unit Of Measure Code: 2
Description Of The Unit Of Measure: GALLONS
Storage Container:
Type Code: A
Description: ABOVEGROUND TANK
Pressure of Hazardous Substance Code: 1
Temperature of The Hazardous Substance Code: 4
Days The Hazardous Substance Is On Site During Year: 365
Is The Substance Protected A Trade Secret: False
United Nations/north America 4 Digit Classification Number: 1999
Chemical Abstract Service Identifier Number: 8052424
First Hazardous Classification Code For Chemical: 4.5
Hazard Classification 1 Of The Chemical: Combustible Materials
Second Hazardous Classification Code For Chemical: 6.3
Hazard Classification 2 Of The Chemical: Acute Health Hazard
Third Hazardous Classification Code For Chemical: Not reported
Hazard Classification 3 Of The Chemical: Not reported
Is Substance Pure Or Mixture: Mixture
Hazard Rank: 2
Chemical Is An Extremely Hazardous Substance (ehs): Not reported
Does The Chemical Contain A 112r Chemical: Not reported
Chemical Is A Toxic 313 Chemical: Not reported
EPA Pesticide Registration Number: Not reported
Sic Code: 2373 - HIGHWAY, STREET, & BRIDGE CONST
3273 - READY-MIX CONCRETE MFG

Emergency Contact: CURTIS CRICHTON
Emergency Procedure: SAFETY OFFICE
Chemical Trade Name: BLUE SHIELD
Most Hazardous: ARGON
Manager Name: ROBERT E VAUGHN
Mailing Address: PO BOX 1145
MEDFORD, OR 97501

Mailing County: JACKSON
Day Phone: 5417702960
Employee File #: 008566
No. of Employees: 115
Placard: Yes
Business Type: GENERAL
CONTRACTOR-CONSTRUCTION/HEAVY-STREETS/HIGHWAYS

Sprinkler System: Yes
Business Phone: 5417322726
Department Or Division Of Company: HAMRICK YARD
Facility Has Written Emergency Plan: Yes
Company Name: LTM INCORPORATED
Fire Dept Code: 0173
Physical State : Not reported
Physical State Of The Substance: GAS
Average Amount Possessed During The Year Code: 04
Description Of The Avg Qnty Code: 50-199
Maximum Amount Possessed During The Year Code: 10
Description Of The Max Qnty Code: 200-499
Applicable Unit Of Measure Code: 3
Description Of The Unit Of Measure: CUBIC FEET
Storage Container:

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LTM INCORPORATED (Continued)

S103842328

Type Code: L
Description: CYLINDER
Pressure of Hazardous Substance Code: 2
Temperature of The Hazardous Substance Code: 4
Days The Hazardous Substance Is On Site During Year: 365
Is The Substance Protected A Trade Secret: False
United Nations/north America 4 Digit Classification Number: 1956
Chemical Abstract Service Identifier Number: 7440371
First Hazardous Classification Code For Chemical: 2.2
Hazard Classification 1 Of The Chemical: NonFlammable Gases
Second Hazardous Classification Code For Chemical: Not reported
Hazard Classification 2 Of The Chemical: Not reported
Third Hazardous Classification Code For Chemical: Not reported
Hazard Classification 3 Of The Chemical: Not reported
Is Substance Pure Or Mixture: Mixture
Hazard Rank: 2
Chemical Is An Extremely Hazardous Substance (ehs): Not reported
Does The Chemical Contain A 112r Chemical: Not reported
Chemical Is A Toxic 313 Chemical: Not reported
EPA Pesticide Registration Number: Not reported
Sic Code: 2373 - HIGHWAY, STREET, & BRIDGE CONST
3273 - READY-MIX CONCRETE MFG

[Click this hyperlink](#) while viewing on your computer to access 10 additional OR HSIS record(s) in the EDR Site Report.

AST:

Employer File Number: 008566
Hazardous Substance: ASPHALT EMULSION
Reporting Quantities: 1,000-4,999
Quantity Units: GALLONS
Physical State: LIQUID
Storage 1: ABOVEGROUND TANK

Employer File Number: 008566
Hazardous Substance: FLY ASH
Reporting Quantities: 100,000-249,999
Quantity Units: POUNDS
Physical State: SOLID
Storage 1: ABOVEGROUND TANK

Employer File Number: 008566
Hazardous Substance: POZZOLITH POLYHEED
Reporting Quantities: 200-499
Quantity Units: GALLONS
Physical State: LIQUID
Storage 1: ABOVEGROUND TANK

Employer File Number: 008566
Hazardous Substance: PORTLAND CEMENT
Reporting Quantities: 100,000-249,999
Quantity Units: POUNDS
Physical State: SOLID
Storage 1: ABOVEGROUND TANK

Employer File Number: 008566
Hazardous Substance: PROPANE
Reporting Quantities: 500-999

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LTM INCORPORATED (Continued)

S103842328

Quantity Units: GALLONS
Physical State: GAS
Storage 1: ABOVEGROUND TANK

Employer File Number: 008566
Hazardous Substance: DIESEL FUEL
Reporting Quantities: 10,000-49,999
Quantity Units: GALLONS
Physical State: LIQUID
Storage 1: ABOVEGROUND TANK

9
WSW
1/2-1
5104 ft.

LITHIA DODGE
524 E 5TH ST
MEDFORD, OR 97501

SHWS - ECSI 1006853154
FINDS 110014152255

Relative:
Lower

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Oregon Department of Environmental Quality

Actual:
1262 ft.

ECSI:
State ID Number: 2486 Brown ID 0
Study Area: False Coordinator Supplier: gmw
Cerclis ID: 0 Tax Lots: Not reported
Size: Not reported NPL: False
Orphan: False Region ID: 3
Lat/Long: 42 / -123 Tax Lots: Not reported
Township Coord.: 37 Township Zone: S
Range Coord.: 1 Range Zone: W
Section Coord.: 30 Qtr Section: Not reported
Legislative : 30 Further Action: 0
FACA ID : 40852 Score Value: 0
Update Date : 12/06/2001 Created Date: mme
Created Time : 02/04/2000

HAZ RELEASED:
Quant. Released: Not reported
Date: Not reported
Update Date: Not reported
Update By: Not reported
Substance ID : Not reported
Code : Not reported
Substance Name : Not reported
Substance Abbrev. : Not reported
Substance Categ ID : Not reported
Substance Sub Categ : Not reported
Category Level : Not reported
Created By : Not reported
Create Date : Not reported
Substance Alias ID : Not reported
Sub Alias Name : Not reported
Rel Comment ID : Not reported
Release Code : Not reported
Release Comments : Not reported
Sampling Result ID : Not reported
Feature Id : Not reported
Hazard Release Id : Not reported
Medium Code Id : Not reported
Substance Id : Not reported
Unit Code : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

LITHIA DODGE (Continued)

EDR ID Number
EPA ID Number

Database(s)

1006853154

Observation : Not reported
Owner Operator : Not reported
Lab Data : Not reported
Sample Depth : Not reported
Start Date : Not reported
End Date : Not reported
Minimum Concentration : Not reported
Max Concentration : Not reported
Last Update By : Not reported
Last Updated On : Not reported
Sample Comment : Not reported

Alias Name: Not reported
Investigation Status: 206

NARR:

NARR ID: 5739052
NARR Code : Contamination
Created By: Not reported
Create Date: 2002-12-17 08:50:04
Updated By: Not reported
Updated Date: 2002-12-17 08:50:04

NARR Comments The property was previously improved with residential structures, retail business, & automotive service facilities. 2 gasoline stations were located in the Lithia Dodge parking area & eastern parking parcel from 1953 to 1973. The site is currently used as an automobile sales and service center. Investigations conducted in May 1999 and January 2000 revealed low levels of diesel and gasoline hydrocarbons. Dames & Moore; Initial Abatement & Additional Assessment - Lithia Dodge; 5/4/00 The site is zoned commercial. Structures on-site include a 14,500-square-foot single-story sales/service building, and a 10,000-square-foot, single-story service building. The 1950s-era buildings consist of concrete block construction. The rest of the site is occupied by asphalt-paved parking areas. No water supply wells or dry wells were reportedly located on the property. Petroleum, diesel, & gasoline range hydrocarbons. Former leaking heating oil tank and lines near oil/water separator. Bear Creek is about 60 feet east of the site. Direct contact and air pathway are not significant, because the site is predominantly covered with concrete and asphalt. There are no domestic wells on-site and threat to groundwater is insignificant. A subsurface hydraulic lift located in the service center was removed, along with about 12 cubic yards of soil; two confirmation samples were collected. No contaminants of concern (VOCs or SVOCs) were detected above PRGs. 40 cubic yards of petroleum contaminated soil were also removed adjacent to an oil/water separator. Confirmation samples contained no VOCs or SVOCs above EPA Region 9 PRGs. Groundwater samples confirmed the absence of petroleum hydrocarbons associated with historical gas stations at the site. In August 2000, DEQ determined that no further action was needed at this site.

NARR ID: 5739053
NARR Code : Data Sources
Created By: Not reported
Create Date: 2002-12-17 08:50:04
Updated By: Not reported
Updated Date: 2002-12-17 08:50:04
NARR ID: 5739054

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LITHIA DODGE (Continued)

1006853154

NARR Code : General Site Description
Created By: Not reported
Create Date: 2002-12-17 08:50:04
Updated By: Not reported
Updated Date: 2002-12-17 08:50:04
NARR ID: 5739055
NARR Code : Hazardous Substance/Waste Types
Created By: Not reported
Create Date: 2002-12-17 08:50:04
Updated By: Not reported
Updated Date: 2002-12-17 08:50:04
NARR ID: 5739056
NARR Code : Manner of Release
Created By: Not reported
Create Date: 2002-12-17 08:50:04
Updated By: Not reported
Updated Date: 2002-12-17 08:50:04
NARR ID: 5739057
NARR Code : Pathways Other Hazards
Created By: Not reported
Create Date: 2002-12-17 08:50:04
Updated By: Not reported
Updated Date: 2002-12-17 08:50:04
NARR ID: 5739058
NARR Code : Remedial Action
Created By: Not reported
Create Date: 2002-12-17 08:50:04
Updated By: Not reported
Updated Date: 2002-12-17 08:50:04

ECWQ:

Owner Site Num: 0 FACA Id : 40852
Site Name: Lithia Dodge
County Code : 15
Owner Name: Not reported
Owner Address: 524 E 5th St
Medford, 97501
Lat/Long 42.3288 / -122.8721
Owner Code: NFA

PERMIT:

Permit Number: Not reported Permit Type: Not reported
Permit Agency: Not reported
Permit Comments: Not reported

ADMIN ACT:

Admin ID: 704482 Action ID: Not reported
Agency ID : Dept Of Environmental Quality Start Date: 05/04/2000
Further Action: Not reported Region ID: Western Region
Complete Date: Not reported Substance Code: ICP
Rank Value: 0 Cleanup Flag: False
Updated By: mme Update Date: 07/26/2001
Created By: Not reported Create Date: 12/17/2002
Employee Id: 440
Comments : Not reported

Admin ID: 704952 Action ID: Not reported
Agency ID : Dept Of Environmental Quality Start Date: 08/29/2000
Further Action: Not reported Region ID: Western Region

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

LITHIA DODGE (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1006853154

Complete Date:	Not reported	Substance Code:	SAS
Rank Value:	0	Cleanup Flag:	False
Updated By:	gmw	Update Date:	09/22/2000
Created By:	Not reported	Create Date:	12/17/2002
Employee Id:	179		
Comments :	Not reported		
Admin ID:	705328	Action ID:	Not reported
Agency ID :	Dept Of Environmental Quality	Start Date:	01/01/2000
Further Action:	Not reported	Region ID:	Western Region
Complete Date:	Not reported	Substance Code:	SAS
Rank Value:	0	Cleanup Flag:	False
Updated By:	mme	Update Date:	12/08/2000
Created By:	Not reported	Create Date:	12/17/2002
Employee Id:	440		
Comments :	Not reported		
Admin ID:	706003	Action ID:	Not reported
Agency ID :	Dept Of Environmental Quality	Start Date:	02/04/2000
Further Action:	Not reported	Region ID:	Western Region
Complete Date:	Not reported	Substance Code:	SAS
Rank Value:	0	Cleanup Flag:	False
Updated By:	mme	Update Date:	08/16/2000
Created By:	Not reported	Create Date:	12/17/2002
Employee Id:	2202		
Comments :	Not reported		
Admin ID:	706004	Action ID:	Not reported
Agency ID :	Dept Of Environmental Quality	Start Date:	02/04/2000
Further Action:	0	Region ID:	Western Region
Complete Date:	0	Substance Code:	ICP
Rank Value:	0	Cleanup Flag:	False
Updated By:	MENGLIS	Update Date:	09/24/2003
Created By:	Not reported	Create Date:	12/17/2002
Employee Id:	440		
Comments :	Not reported		
DISPOSAL:		Feature ID:	Not reported
Disposal ID:	Not reported		
Medium :	Not reported	End Date:	Not reported
Treatment :	Not reported	Disposal Qty:	Not reported
Disposal Method:	Not reported		
Start Date:	Not reported		
Disposal Flag:	Not reported		
Unit Code:	Not reported		
Depth :	Not reported		
Monitor :	Not reported		
Manifest Num :	Not reported		
Removed By :	Not reported		
Loc Comments:	Not reported		
Disposal Sub ID:	Not reported		
Substance ID:	Not reported		
Created By:	Not reported		
Create Date:	Not reported		
FEATURE:			
Feature Id :	Not reported		
Site Id :	Not reported		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LITHIA DODGE (Continued)

1006853154

Feature Code : Not reported
Relative Position : Not reported
Hazard Rel Id : Not reported
Region Code : Not reported
Lat Long Method : Not reported
Lat Long Source : Not reported
County Code : Not reported
Refrence Id : Not reported
Twnshp Coord : Not reported
Township Zone : Not reported
Range Coord : Not reported
Range Zone : Not reported
Section Coord : Not reported
Qtr Section Coord : Not reported
Address : Not reported
Not reported
Zip Plus : Not reported
Lat/Long : Not reported
Lat/Lon Decimal : Not reported
Feature Size : Not reported
Est Accuracy : Not reported
Created On Date : Not reported
Created By Prgm : Not reported
Last Updated By : Not reported
Last Updated On : Not reported
Comment : Not reported

WELL:

Well ID: Not reported
Water Resource Code: Not reported
Effective Date: Not reported
Aquifer Code: Not reported
Ground Station Key: Not reported

OPERATIONS:

Operation Id : Not reported
Operation Status : Not reported
Common Name : Not reported
Yrs of Operation : Not reported
Comments : Not reported
Updated By : Not reported
Updated Date : Not reported

Process Code ID: Not reported
Years Of Process: Not reported
Created By: Not reported
Created Date: Not reported

Operations SIC Id: Not reported
SIC Code: Not reported
Created By: Not reported
Created Date: Not reported

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CENTRAL POINT	1006854449	SUMMIT & MCANDREWS SPILL SITE	37S/2W/S24	97502	SHWS - ECSI, FINDS
CENTRAL POINT	1001485780	ERICKSON AIR CRANE	5885 HWY 62	97502	RCRA-SQG, FINDS
CENTRAL POINT	1000404203	MONTEZUMA WEST SPILL SITE	BLACKWOOD HILL RD 1/2 MI N OF CY	97502	CERCLIS
CENTRAL POINT	S106497254	AIRPORT ORCHARD	3213 HAMRICK ROAD	97502	SHWS - ECSI
CENTRAL POINT	1006856958	MONTEZUMA WEST SPILL SITE	I-5 MILEPOST 36	97502	SHWS - ECSI, FINDS, OR CRL
CENTRAL POINT	S106655898	EAST PINE STREET GROUNDWATER - CENTRAL P	EAST PINE STREET / FOURTH STREET	97502	SHWS - ECSI
MEDFORD	S106115243	REGINALD BREEZE PROPERTY	S. FRONT STREET	97502	SHWS - ECSI

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List

Source: EPA

Telephone: N/A

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/14/04
Date Made Active at EDR: 02/03/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 02/01/05
Elapsed ASTM days: 2
Date of Last EDR Contact: 02/01/05

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 6
Telephone: 214-655-6659

EPA Region 8
Telephone: 303-312-6774

Proposed NPL: Proposed National Priority List Sites

Source: EPA

Telephone: N/A

Date of Government Version: 12/14/04
Date Made Active at EDR: 02/03/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 02/01/05
Elapsed ASTM days: 2
Date of Last EDR Contact: 02/01/05

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA

Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/14/04
Date Made Active at EDR: 02/08/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/21/04
Elapsed ASTM days: 49
Date of Last EDR Contact: 12/21/04

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/14/04
Date Made Active at EDR: 02/08/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/21/04
Elapsed ASTM days: 49
Date of Last EDR Contact: 12/21/04

CORRACTS: Corrective Action Report

Source: EPA
Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/15/04
Date Made Active at EDR: 02/25/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 01/07/05
Elapsed ASTM days: 49
Date of Last EDR Contact: 12/07/04

RCRA: Resource Conservation and Recovery Act Information

Source: EPA
Telephone: 800-424-9346

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 11/23/04
Date Made Active at EDR: 01/18/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 11/24/04
Elapsed ASTM days: 55
Date of Last EDR Contact: 11/24/04

ERNS: Emergency Response Notification System

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/03
Date Made Active at EDR: 03/12/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/26/04
Elapsed ASTM days: 46
Date of Last EDR Contact: 01/27/05

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System

Source: EPA/NTIS
Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/01
Database Release Frequency: Biennially

Date of Last EDR Contact: 12/13/04
Date of Next Scheduled EDR Contact: 03/14/05

CONSENT: Superfund (CERCLA) Consent Decrees

Source: Department of Justice, Consent Decree Library
Telephone: Varies

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/05/04
Database Release Frequency: Varies

Date of Last EDR Contact: 10/25/04
Date of Next Scheduled EDR Contact: 01/24/05

ROD: Records Of Decision

Source: EPA

Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 09/09/04
Database Release Frequency: Annually

Date of Last EDR Contact: 01/05/05
Date of Next Scheduled EDR Contact: 04/04/05

DELISTED NPL: National Priority List Deletions

Source: EPA

Telephone: N/A

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/14/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/01/05
Date of Next Scheduled EDR Contact: 05/02/05

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA

Telephone: N/A

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 09/09/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/03/05
Date of Next Scheduled EDR Contact: 04/04/05

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation

Telephone: 202-366-4555

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/08/04
Database Release Frequency: Annually

Date of Last EDR Contact: 01/19/05
Date of Next Scheduled EDR Contact: 04/18/05

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 11/30/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/03/05
Date of Next Scheduled EDR Contact: 04/04/05

MINES: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/13/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/28/04
Date of Next Scheduled EDR Contact: 03/28/05

NPL LIENS: Federal Superfund Liens

Source: EPA
Telephone: 202-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 02/22/05
Date of Next Scheduled EDR Contact: 05/23/05

PADS: PCB Activity Database System

Source: EPA
Telephone: 202-564-3887

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 09/30/04
Database Release Frequency: Annually

Date of Last EDR Contact: 02/23/05
Date of Next Scheduled EDR Contact: 05/09/05

DOD: Department of Defense Sites

Source: USGS
Telephone: 703-692-8801

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/08/05
Date of Next Scheduled EDR Contact: 05/09/05

UMTRA: Uranium Mill Tailings Sites

Source: Department of Energy
Telephone: 505-845-0011

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.

Date of Government Version: 04/22/04
Database Release Frequency: Varies

Date of Last EDR Contact: 12/21/04
Date of Next Scheduled EDR Contact: 03/21/05

ODI: Open Dump Inventory

Source: Environmental Protection Agency
Telephone: 800-424-9346

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/85
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/23/95
Date of Next Scheduled EDR Contact: N/A

FUDS: Formerly Used Defense Sites

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/03
Database Release Frequency: Varies

Date of Last EDR Contact: 01/03/05
Date of Next Scheduled EDR Contact: 04/04/05

INDIAN RESERV: Indian Reservations

Source: USGS
Telephone: 202-208-3710

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/08/05
Date of Next Scheduled EDR Contact: 05/09/05

RAATS: RCRA Administrative Action Tracking System

Source: EPA
Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 12/06/04
Date of Next Scheduled EDR Contact: 03/07/05

TRIS: Toxic Chemical Release Inventory System

Source: EPA
Telephone: 202-566-0250

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/02
Database Release Frequency: Annually

Date of Last EDR Contact: 12/20/04
Date of Next Scheduled EDR Contact: 03/21/05

TSCA: Toxic Substances Control Act

Source: EPA
Telephone: 202-260-5521

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/02
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 12/06/04
Date of Next Scheduled EDR Contact: 03/07/05

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA
Telephone: 202-564-2501

Date of Government Version: 04/13/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/01/04
Date of Next Scheduled EDR Contact: 03/21/05

SSTS: Section 7 Tracking Systems

Source: EPA
Telephone: 202-564-5008

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/03
Database Release Frequency: Annually

Date of Last EDR Contact: 11/29/04
Date of Next Scheduled EDR Contact: 04/18/05

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-564-2501

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 09/13/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/01/04
Date of Next Scheduled EDR Contact: 03/21/05

STATE OF OREGON ASTM STANDARD RECORDS

SHWS - ECSI: Environmental Cleanup Site Information System

Source: Department of Environmental Quality

Telephone: 503-229-6629

Sites that are or may be contaminated and may require cleanup.

Date of Government Version: 11/01/04
Date Made Active at EDR: 12/27/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 11/18/04
Elapsed ASTM days: 39
Date of Last EDR Contact: 02/16/05

SWF/LF: Solid Waste Facilities List

Source: Department of Environmental Quality

Telephone: 503-229-6299

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/20/04
Date Made Active at EDR: 02/01/05
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 12/20/04
Elapsed ASTM days: 43
Date of Last EDR Contact: 12/20/04

LUST: Leaking Underground Storage Tank Database

Source: Department of Environmental Quality

Telephone: 503-229-5790

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 12/21/04
Date Made Active at EDR: 03/10/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 01/05/05
Elapsed ASTM days: 64
Date of Last EDR Contact: 01/05/05

UST: Underground Storage Tank Database

Source: Department of Environmental Quality

Telephone: 503-229-5815

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 10/04/04
Date Made Active at EDR: 01/26/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/15/04
Elapsed ASTM days: 42
Date of Last EDR Contact: 12/15/04

CRL: Confirmed Release List and Inventory

Source: Department of Environmental Quality

Telephone: 503-229-6170

All facilities with a confirmed release.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/14/04
Date Made Active at EDR: 01/20/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/15/04
Elapsed ASTM days: 36
Date of Last EDR Contact: 12/15/04

INDIAN UST: Underground Storage Tanks on Indian Land
Source: EPA Region 10
Telephone: 206-553-2857

Date of Government Version: 06/23/04
Date Made Active at EDR: 07/09/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 06/23/04
Elapsed ASTM days: 16
Date of Last EDR Contact: 01/31/05

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
Source: EPA Region 10
Telephone: 206-553-2857
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 12/21/04
Date Made Active at EDR: 02/04/05
Database Release Frequency: Varies

Date of Data Arrival at EDR: 12/21/04
Elapsed ASTM days: 45
Date of Last EDR Contact: 01/31/05

VCS: Voluntary Cleanup Program Sites
Source: DEQ
Telephone: 503-229-5256

Responsible parties have entered into an agreement with DEQ to voluntarily address contamination associated with their property.

Date of Government Version: 02/10/05
Date Made Active at EDR: 03/10/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 02/16/05
Elapsed ASTM days: 22
Date of Last EDR Contact: 01/31/05

STATE OF OREGON ASTM SUPPLEMENTAL RECORDS

SPILLS: Spill Data

Source: Department of Environmental Quality
Telephone: 503-229-5731

Date of Government Version: 12/14/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/13/04
Date of Next Scheduled EDR Contact: 03/14/05

AOC COL: Columbia Slough

Source: City of Portland Environmental Services
Telephone: 503-823-5310
Columbia Slough waterway boundaries.

Date of Government Version: N/A
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/26/02
Date of Next Scheduled EDR Contact: N/A

AST: Aboveground Storage Tanks

Source: Office of State Fire Marshal
Telephone: 503-378-3473
Aboveground storage tank locations reported to the Office of State Fire Marshal.

Date of Government Version: 09/01/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/03/05
Date of Next Scheduled EDR Contact: 05/30/05

AOC MU: East Multnomah County Area

Source: City of Portland Environmental Services
Telephone: 503-823-5310
Approximate extent of TSA VOC plume February , 2002

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/26/02
Date of Next Scheduled EDR Contact: N/A

CDL: Uninhabitable Drug Lab Properties
Source: Department of Consumer & Business Services
Telephone: 503-378-4133

The properties listed on these county pages have been declared by a law enforcement agency to be unfit for use due to meth lab and/or storage activities. The properties are considered uninhabitable until cleaned up by a state certified decontamination contractor and a certificate of fitness is issued by the Oregon Health Division.

Date of Government Version: 12/08/04
Database Release Frequency: Varies

Date of Last EDR Contact: 12/17/04
Date of Next Scheduled EDR Contact: 03/14/05

DRYCLEANERS: Drycleaning Facilities
Source: Department of Environmental Quality
Telephone: 503-229-6783

A listing of registered drycleaning facilities in Oregon.

Date of Government Version: 09/15/04
Database Release Frequency: Varies

Date of Last EDR Contact: 02/28/05
Date of Next Scheduled EDR Contact: 05/30/05

HIST LF: Old Closed SW Disposal Sites
Source: Department of Environmental Quality
Telephone: 503-229-5409

A list of solid waste disposal sites that have been closed for a long while.

Date of Government Version: 04/01/00
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/08/03
Date of Next Scheduled EDR Contact: N/A

HAZMAT: Hazmat/Incidents
Source: State Fire Marshal's Office
Telephone: 503-373-1540

Hazardous material incidents reported to the State Fire Marshal by emergency responders. The hazardous material may or may not have been released.

Date of Government Version: 08/31/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/22/05
Date of Next Scheduled EDR Contact: 05/23/05

HSIS: Hazardous Substance Information Survey
Source: State Fire Marshal's Office
Telephone: 503-373-1540

Companies in Oregon submitting the Hazardous Substance Information Survey and either reporting or not reporting hazardous substances.

Date of Government Version: 09/01/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/03/05
Date of Next Scheduled EDR Contact: 05/30/05

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BROWNFIELDS DATABASES

Brownfields: Brownfields Projects

Source: Department of Environmental Quality

Telephone: 503-229-6801

Brownfields investigations and/or cleanups that have been conducted in Oregon.

Date of Government Version: 12/14/04

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/15/04

Date of Next Scheduled EDR Contact: 03/14/05

AUL: Sites with Engineering or Institutional Controls

Source: Department of Environmental Quality

Telephone: 503-229-6801

Activity and use limitations include both engineering controls and institutional controls.

Date of Government Version: 12/14/04

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/15/04

Date of Next Scheduled EDR Contact: 03/14/05

US BROWNFIELDS: A Listing of Brownfields Sites

Source: Environmental Protection Agency

Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: N/A

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: N/A

Date of Next Scheduled EDR Contact: N/A

VCS: Voluntary Cleanup Program Sites

Source: DEQ

Telephone: 503-229-5256

Responsible parties have entered into an agreement with DEQ to voluntarily address contamination associated with their property.

Date of Government Version: 02/10/05

Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/31/05

Date of Next Scheduled EDR Contact: 05/02/05

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation

Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Listings

Source: Employment Department

Telephone: 503-947-1420

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

© 2003 Geographic Data Technology, Inc., Rel. 07/2003. This product contains proprietary and confidential property of Geographic Data Technology, Inc. Unauthorized use, including copying for other than testing and standard backup procedures, of this product is expressly prohibited.

GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

WHITE HAWK
718 BEEBE
CENTRAL POINT, OR 97502

TARGET PROPERTY COORDINATES

Latitude (North):	42.383598 - 42° 23' 1.0"
Longitude (West):	122.899300 - 122° 53' 57.5"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	508289.7
UTM Y (Meters):	4692159.0
Elevation:	1265 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

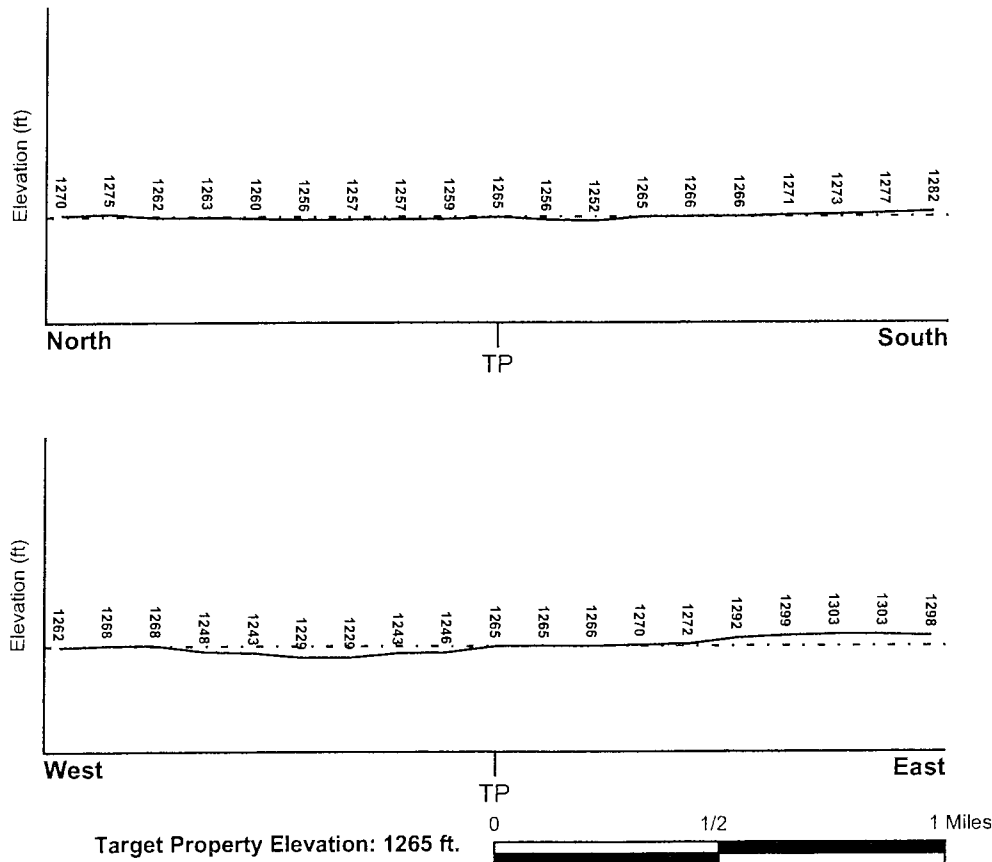
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

USGS Topographic Map: 42122-D8 SAMS VALLEY, OR
 General Topographic Gradient: General West
 Source: USGS 7.5 min quad index

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u> JACKSON, OR	FEMA Flood <u>Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	4155890402B
Additional Panels in search area:	4100920001C 4100960001C 4155890406B 4100960002C

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> SAMS VALLEY	NWI Electronic <u>Data Coverage</u> YES - refer to the Overview Map and Detail Map
---	--

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION</u> <u>FROM TP</u>	<u>GENERAL DIRECTION</u> <u>GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Cenozoic
System: Tertiary
Series: Eocene
Code: Tec (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Continental Deposits

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: AGATE

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification			Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil	Permeability Rate (in/hr)	
1	0 inches	6 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 6.50 Min: 5.60
2	6 inches	25 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel.	Max: 0.60 Min: 0.20	Max: 6.50 Min: 5.60 -
3	25 inches	30 inches	indurated	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00
4	30 inches	62 inches	extremely gravelly - coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean Gravels, Well-graded gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 6.60

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: very gravelly - clay loam
very gravelly - loam
clay

Surficial Soil Types: very gravelly - clay loam
very gravelly - loam
clay

Shallow Soil Types: very gravelly - clay

Deeper Soil Types: stratified
weathered bedrock
gravelly - sandy clay loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS0886957	1/8 - 1/4 Mile SE
A2	USGS0886959	1/8 - 1/4 Mile East
A3	USGS0886958	1/8 - 1/4 Mile ESE
4	USGS0886897	1/8 - 1/4 Mile North
5	USGS0886960	1/4 - 1/2 Mile East
6	USGS0886965	1/4 - 1/2 Mile North
7	USGS0886894	1/4 - 1/2 Mile SE
8	USGS0886890	1/2 - 1 Mile SE
9	USGS0886977	1/2 - 1 Mile North
10	USGS0886961	1/2 - 1 Mile West
11	USGS0886893	1/2 - 1 Mile ESE
12	USGS0886966	1/2 - 1 Mile WNW
13	USGS0886987	1/2 - 1 Mile North
14	USGS0886886	1/2 - 1 Mile SSW
15	USGS0886986	1/2 - 1 Mile NNW
16	USGS0887046	1/2 - 1 Mile NNE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
---------------	----------------	-------------------------

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

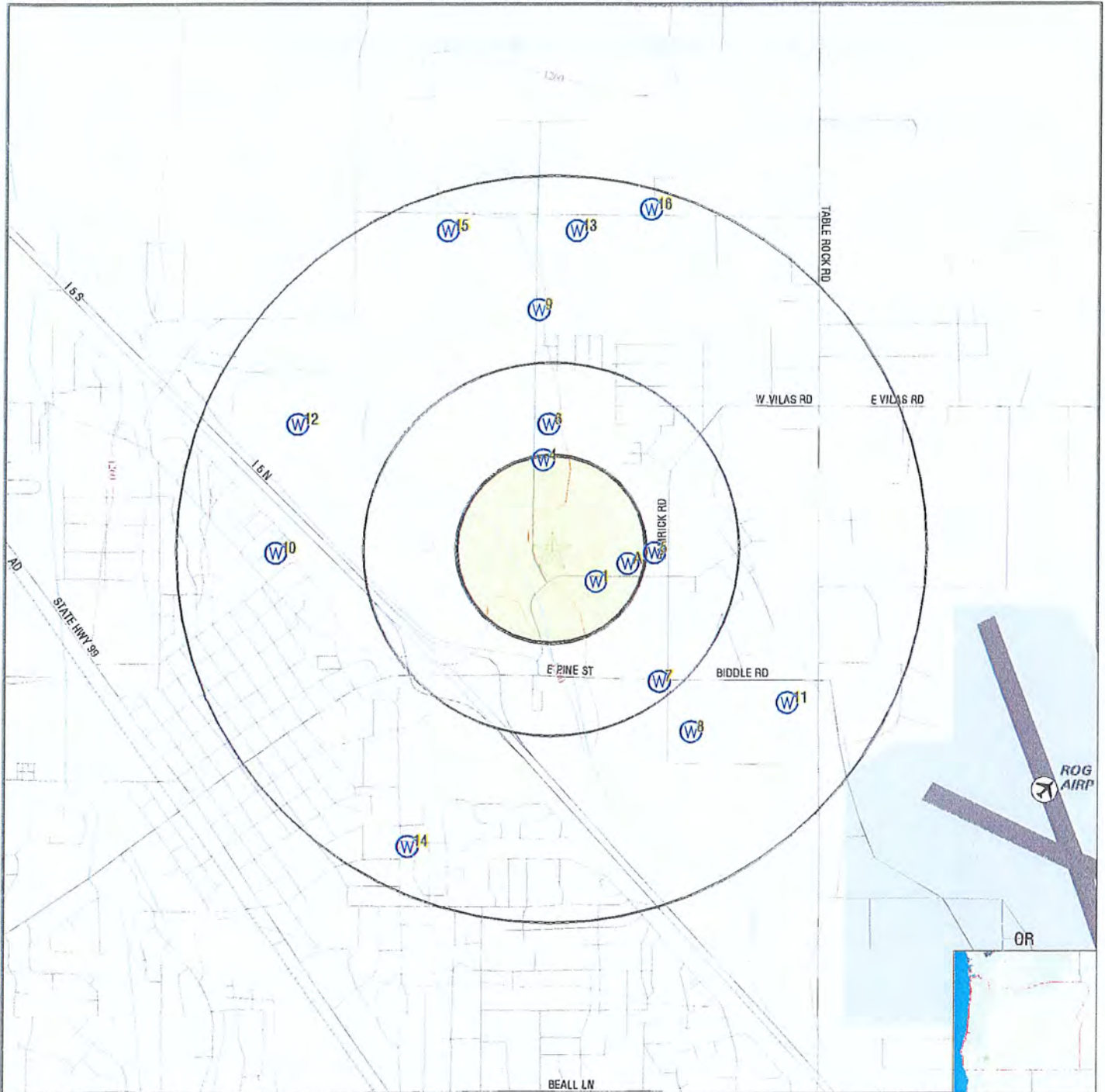
MAP ID

WELL ID

LOCATION
FROM TP

No Wells Found

PHYSICAL SETTING SOURCE MAP - 01377311.1r



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location

TARGET PROPERTY:	White Hawk	CUSTOMER:	Cascade Earth Sciences
ADDRESS:	718 Beebe	CONTACT:	Mary Ann Amann
CITY/STATE/ZIP:	Central Point OR 97502	INQUIRY #:	01377311.1r
LAT/LONG:	42.3836 / 122.8993	DATE:	March 11, 2005 12:39 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
SE
1/8 - 1/4 Mile
Higher

FED USGS USGS0886957

Agency:	USGS	Site ID:	422257122534501
Site Name:	37S/02W-02ADD1		
Dec. Latitude:	42.38235		
Dec. Longitude:	-122.89699		
Coord Sys:	NAD83		
State:	OR		
County:	Jackson County		
Altitude:	1250.00		
Hydrologic code:	Middle Rogue. Oregon. Area = 885 sq.mi.		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	19660514	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	12.0		
Hole depth:	12.0	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1980-01-15	1.64	

A2
East
1/8 - 1/4 Mile
Higher

FED USGS USGS0886959

Agency:	USGS	Site ID:	422300122534101
Site Name:	37S/02W-02ADD2		
Dec. Latitude:	42.38318		
Dec. Longitude:	-122.89587		
Coord Sys:	NAD83		
State:	OR		
County:	Jackson County		
Altitude:	Not Reported		
Hydrologic code:	Middle Rogue. Oregon. Area = 885 sq.mi.		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19651110	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	66.50		
Hole depth:	66.50	Source:	driller
Project no:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1965-11-10	8.00	

A3
ESE
1/8 - 1/4 Mile
Higher

FED USGS USGS0886958

Agency:	USGS	Site ID:	422259122533702
Site Name:	37S/02W-01BCC2		
Dec. Latitude:	42.3829		
Dec. Longitude:	-122.89476		
Coord Sys:	NAD83		
State:	OR		
County:	Jackson County		
Altitude:	1260.00		
Hydrologic code:	Middle Rogue. Oregon. Area = 885 sq.mi.		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	19570919	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	97.0		
Hole depth:	97.0	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1957-09-19	10.00	

4
North
1/8 - 1/4 Mile
Lower

FED USGS USGS0886897

Agency:	USGS	Site ID:	422314122535501
Site Name:	37S/02W-02AAC1		
Dec. Latitude:	42.38707		
Dec. Longitude:	-122.89976		
Coord Sys:	NAD83		
State:	OR		
County:	Jackson County		
Altitude:	Not Reported		
Hydrologic code:	Middle Rogue. Oregon. Area = 885 sq.mi.		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19691016	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	76.00		
Hole depth:	76.00	Source:	driller
Project no:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1969-10-16	21.00	

5
East
1/4 - 1/2 Mile
Higher

FED USGS USGS0886960

Agency:	USGS	Site ID:	422301122533401
Site Name:	37S/02W/01BCC1		
Dec. Latitude:	42.38346		
Dec. Longitude:	-122.89393		
Coord Sys:	NAD83		
State:	OR		
County:	Jackson County		
Altitude:	1260.00		
Hydrologic code:	Middle Rogue. Oregon. Area = 885 sq.mi.		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	19691103	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	275		
Hole depth:	275	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1980-01-15	6.96	

6
North
1/4 - 1/2 Mile
Lower

FED USGS USGS0886965

Agency:	USGS	Site ID:	422319122535501
Site Name:	37S/02W-02AAB1		
Dec. Latitude:	42.38846		
Dec. Longitude:	-122.89949		
Coord Sys:	NAD83		
State:	OR		
County:	Jackson County		
Altitude:	1245.00		
Hydrologic code:	Middle Rogue. Oregon. Area = 885 sq.mi.		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	19661110	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	70.0		
Hole depth:	70.0	Source:	Not Reported
Project no:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1980-01-15	11.34	

Note: The site had been pumped recently.

7
SE
1/4 - 1/2 Mile
Higher

FED USGS USGS0886894

Agency:	USGS	Site ID:	422243122533301
Site Name:	37S/02W-01CBC1		
Dec. Latitude:	42.37846		
Dec. Longitude:	-122.89365		
Coord Sys:	NAD83		
State:	OR		
County:	Jackson County		
Altitude:	1245.00		
Hydrologic code:	Middle Rogue. Oregon. Area = 885 sq.mi.		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	EOCENE SERIES		
Aquifer type:	Not Reported		
Well depth:	113		
Hole depth:	113	Source:	reporting agency (generally USGS)
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1951-06-17	11.29	

8
SE
1/2 - 1 Mile
Higher

FED USGS USGS0886890

Agency:	USGS	Site ID:	422236122532701
Site Name:	37S/02W-01CCD1		
Dec. Latitude:	42.37651		
Dec. Longitude:	-122.89199		
Coord Sys:	NAD83		
State:	OR		
County:	Jackson County		
Altitude:	Not Reported		
Hydrologic code:	Middle Rogue. Oregon. Area = 885 sq.mi.		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19610901	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	115.00		
Hole depth:	115.00	Source:	driller
Project no:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1961-09-01	30.00	

9
North
1/2 - 1 Mile
Lower

FED USGS USGS0886977

Agency:	USGS	Site ID:	422335122535601
Site Name:	36S/02W-35DAC1		
Dec. Latitude:	42.3929		
Dec. Longitude:	-122.90004		
Coord Sys:	NAD83		
State:	OR		
County:	Jackson County		
Altitude:	1245.00		
Hydrologic code:	Middle Rogue. Oregon. Area = 885 sq.mi.		
Topographic:	Undulating		
Site Type:	Ground-water other than Spring		
Const Date:	19620801	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	120		
Hole depth:	120	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1980-01-16	12.00	

Note: The site was being pumped.

10
West
1/2 - 1 Mile
Higher

FED USGS USGS0886961

Agency:	USGS	Site ID:	422301122544501
Site Name:	37S/02W-02BCC1		
Dec. Latitude:	42.38346		
Dec. Longitude:	-122.91365		
Coord Sys:	NAD83		
State:	OR		
County:	Jackson County		
Altitude:	1242.00		
Hydrologic code:	Middle Rogue. Oregon. Area = 885 sq.mi.		
Topographic:	Alluvial or marine terrace		
Site Type:	Ground-water other than Spring		
Const Date:	19760623	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	199		
Hole depth:	200	Source:	Not Reported
Project no:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1976-06-23	26.00	

11
ESE
1/2 - 1 Mile
Higher

FED USGS USGS0886893

Agency:	USGS	Site ID:	422240122530901
Site Name:	37S/02W-01CDA1		
Dec. Latitude:	42.37763		
Dec. Longitude:	-122.88699		
Coord Sys:	NAD83		
State:	OR		
County:	Jackson County		
Altitude:	1275.00		
Hydrologic code:	Middle Rogue. Oregon. Area = 885 sq.mi.		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	19660714	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	EOCENE SERIES		
Aquifer type:	Not Reported		
Well depth:	128		
Hole depth:	128	Source:	driller
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-07-14	6.00	

12
WNW
1/2 - 1 Mile
Lower

FED USGS USGS0886966

Agency:	USGS	Site ID:	422319122544101
Site Name:	37S/02W-02BBA1		
Dec. Latitude:	42.38846		
Dec. Longitude:	-122.91254		
Coord Sys:	NAD83		
State:	OR		
County:	Jackson County		
Altitude:	1230.00		
Hydrologic code:	Middle Rogue. Oregon. Area = 885 sq.mi.		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	19610424	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	150		
Hole depth:	150	Source:	Not Reported
Project no:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
<hr style="border-top: 1px dashed black;"/>		
1980-01-22	9.97	

13
North
1/2 - 1 Mile
Higher

FED USGS USGS0886987

Agency:	USGS	Site ID:	422347122534801
Site Name:	36S/02W-35DAA1		
Dec. Latitude:	42.39596		
Dec. Longitude:	-122.8981		
Coord Sys:	NAD83		
State:	OR		
County:	Jackson County		
Altitude:	1250.00		
Hydrologic code:	Middle Rogue. Oregon. Area = 885 sq.mi.		
Topographic:	Flat surface		
Site Type:	Ground-water other than Spring		
Const Date:	19790606	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	140		
Hole depth:	140	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
<hr style="border-top: 1px dashed black;"/>		
1980-01-16	15.29	

14
SSW
1/2 - 1 Mile
Higher

FED USGS USGS0886886

Agency:	USGS	Site ID:	422220122542101
Site Name:	37S/02W-11BAD1		
Dec. Latitude:	42.37207		
Dec. Longitude:	-122.90671		
Coord Sys:	NAD83		
State:	OR		
County:	Jackson County		
Altitude:	1270.00		
Hydrologic code:	Middle Rogue. Oregon. Area = 885 sq.mi.		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	19660322	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	117		
Hole depth:	117	Source:	Not Reported
Project no:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1980-01-24	5.03	

1980-01-24 5.03

Note: The site had been pumped recently.

15
NNW
1/2 - 1 Mile
Lower

FED USGS USGS0886986

Agency:	USGS	Site ID:	422346122541301
Site Name:	36S/02W-35DBB2		
Dec. Latitude:	42.39596		
Dec. Longitude:	-122.90476		
Coord Sys:	NAD83		
State:	OR		
County:	Jackson County		
Altitude:	1240.00		
Hydrologic code:	Middle Rogue. Oregon. Area = 885 sq.mi.		
Topographic:	Undulating		
Site Type:	Ground-water other than Spring		
Const Date:	19770221	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	75.0		
Hole depth:	75.0	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1980-01-16	5.00	

1980-01-16 5.00

16
NNE
1/2 - 1 Mile
Higher

FED USGS USGS0887046

Agency:	USGS	Site ID:	422349122533501
Site Name:	36S/02W-36BCC1		
Dec. Latitude:	42.39679		
Dec. Longitude:	-122.89421		
Coord Sys:	NAD83		
State:	OR		
County:	Jackson County		
Altitude:	1173.00		
Hydrologic code:	Middle Rogue. Oregon. Area = 885 sq.mi.		
Topographic:	Alluvial or marine terrace		
Site Type:	Ground-water other than Spring		
Const Date:	19860729	Inven Date:	19890517
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	ALLUVIUM (QUATERNARY)		
Aquifer type:	Not Reported		
Well depth:	80.00		
Hole depth:	80.00	Source:	driller
Project no:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 31

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1992-02-25	18.58				
1992-01-23	22.01				
Note: A nearby site that taps the same aquifer was being pumped.					
1991-12-18	22.99				
1991-11-19	32.43				
Note: The site had been pumped recently.					
1991-10-24	32.88				
1991-09-30	32.17				
Note: The site had been pumped recently.					
1991-08-27	42.86		1991-07-29	41.71	
1991-06-24	44.88				
Note: The site had been pumped recently.					
1991-05-17	30.78				
Note: The site had been pumped recently.					
1991-02-15	25.43		1991-01-17	24.19	
1990-12-19	23.44		1990-11-14	25.18	
1990-10-19	32.13		1990-08-09	27.78	
1990-06-06	19.45		1990-05-01	18.83	
1990-04-13	17.45		1990-03-08	17.93	
1990-02-01	18.25		1990-01-13	19.12	
1989-12-06	19.6		1989-11-08	19.32	
1989-10-06	18.24		1989-09-08	19.44	
1989-08-07	47.71				
Note: The site was being pumped.					
1989-07-08	17.97		1989-06-07	18.69	
1989-05-17	14.54		1986-07-29	30.00	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: OR Radon

Radon Test Results

Zip	Total Sites	Min pCi/L	Max pCi/L	Avg pCi/L	>4 pCi/L
97502	7	0.4	0.7	0.6	0

Federal EPA Radon Zone for JACKSON County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for JACKSON COUNTY, OR

Number of sites tested: 23

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.970 pCi/L	100%	0%	0%
Basement	1.880 pCi/L	78%	22%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[®] Information System

Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

Oregon Digitized Wells

Source: Water Resources Department
Telephone: 503-378-8455

RADON

State Database: OR Radon

Source: Oregon Health Services
Telephone: 503-731-4272
Radon Levels in Oregon

Area Radon Information

Source: USGS
Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

To order additional copies of this questionnaire,
contact ASTM Customer Service.

phone: (610) 832-9585

fax: (610) 832-9555

e-mail: service@astm.org



100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

6. Transaction Screen Questionnaire

occupant using at least 40% of the leasable area of the property or an anchor tenant when the property is a shopping center. In a multifamily property containing both residential and commercial uses, the preparer does not need to ask questions of the residential occupants. The preparer should ask each person to answer all questions to the best of the respondent's actual knowledge and in good faith. When completing the site visit column, the preparer should be sure to observe the property and any buildings and other structures on the property. The guide provides further details on the appropriate use of this questionnaire.

Description of Site: Address:

718 Beebe Road

Former Orchard + Former Vineyard

Apples, peaches, pears, - in early 70's -
pre 70's - pasture, vegies, corn.

Al McMurray - Bought '98 from Family ^{with General in Prospe}

Question	Owner ¹			Occupants (if applicable)			Observed During Site Visit	
	Yes	No	Unk	Yes	No	Unk	Yes	No
1a. Is the property used for an industrial use?	Yes	<input checked="" type="radio"/> No	Unk	Yes	No	Unk	Yes	<input checked="" type="radio"/> No
1b. Is any adjoining property used for an industrial use?	Yes	<input checked="" type="radio"/> No	Unk	Yes	No	Unk	Yes	<input checked="" type="radio"/> No
2a. Did you observe evidence or do you have any prior knowledge that the property has been used for an industrial use in the past?	Yes	<input checked="" type="radio"/> No	Unk	Yes	No	Unk	Yes	<input checked="" type="radio"/> No
2b. Did you observe evidence or do you have any prior knowledge that any adjoining property has been used for an industrial use in the past?	Yes	<input checked="" type="radio"/> No	Unk	Yes	No	Unk	Yes	<input checked="" type="radio"/> No
3a. Is the property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	Yes	<input checked="" type="radio"/> No	Unk	Yes	No	Unk	Yes	<input checked="" type="radio"/> No
3b. Is any adjoining property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	Yes	<input checked="" type="radio"/> No	Unk	Yes	No	Unk	Yes	<input checked="" type="radio"/> No
4a. Did you observe evidence or do you have any prior knowledge that the property has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	Yes	<input checked="" type="radio"/> No	Unk	Yes	No	Unk	Yes	<input checked="" type="radio"/> No
4b. Did you observe evidence or do you have any prior knowledge that any adjoining property has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, or recycling facility (if applicable, identify which)?	Yes	<input checked="" type="radio"/> No	Unk	Yes	No	Unk	Yes	<input checked="" type="radio"/> No
5a. Are there currently any damaged or discarded automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of >5 gal (19 L) in volume or 50 gal (190 L) in the aggregate, stored on or used at the property or at the facility?	Yes	<input checked="" type="radio"/> No	Unk	Yes	No	Unk	Yes	<input checked="" type="radio"/> No
5b. Did you observe evidence or do you have any prior knowledge that there have been previously any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers of >5 gal (19 L) in volume or 50 gal (190 L) in the aggregate, stored on or used at the property or at the facility?	<input checked="" type="radio"/> Yes	No	Unk	Yes	No	Unk	Yes	<input checked="" type="radio"/> No
6a. Are there currently any industrial drums (typically 55 gal (208 L)) or tanks of chemicals located on the property or at the facility?	Yes	<input checked="" type="radio"/> No	Unk	Yes	No	Unk	Yes	<input checked="" type="radio"/> No
6b. Did you observe evidence or do you have any prior knowledge that there have been previously any industrial drums (typically 55 gal (208 L)) or tanks of chemicals located on the property or at the facility?	<input checked="" type="radio"/> Yes	No	Unk	Yes	No	Unk	<input checked="" type="radio"/> Yes	No ^{empty}
7a. Did you observe evidence or do you have any prior knowledge that fill dirt has been brought onto the property that originated from a contaminated site?	Yes	<input checked="" type="radio"/> No	Unk	Yes	No	Unk	Yes	<input checked="" type="radio"/> No

Unk = "unknown" or no response.
Copyright © 1996 AMERICAN SOCIETY FOR TESTING AND MATERIALS, West Conshohocken, PA
This document is an excerpt of E 1528-96: Standard Practice for Environmental Site Assessments: Transaction Screen Process, which is under the jurisdiction of ASTM Committee E-50 on Environmental Assessment and is the technical responsibility of Subcommittee E 30.02 on Commercial Real Estate Transactions. This questionnaire represents only Sections 5 and 6 of Practice E 1528-96 and should not be construed as being the complete standard. It is necessary to refer to the full standard prior to using this questionnaire. For the complete standard, or to order additional copies of this questionnaire, contact ASTM Customer Service at (610) 832-9585.

	Owner	Occupants (if applicable)	Observed During Site Visit
7b. Did you observe evidence or do you have any prior knowledge that <i>fill dirt</i> has been brought onto the property that is of an unknown origin?	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>	Yes No Unk	Yes <input checked="" type="radio"/> No <input type="radio"/>
8a. Are there currently any <i>pits, ponds, or lagoons</i> located on the <i>property</i> in connection with waste treatment or waste disposal?	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>	Yes No Unk	Yes <input checked="" type="radio"/> No <input type="radio"/>
8b. Did you observe evidence or do you have any prior knowledge that there have been previously, any <i>pits, ponds, or lagoons</i> located on the <i>property</i> in connection with waste treatment or waste disposal?	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>	Yes No Unk	Yes <input checked="" type="radio"/> No <input type="radio"/>
9a. Is there currently any stained soil on the <i>property</i> ?	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>	Yes No Unk	Yes <input checked="" type="radio"/> No <input type="radio"/>
9b. Did you observe evidence or do you have any prior knowledge that there has been previously, any stained soil on the <i>property</i> ?	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>	Yes No Unk	Yes <input checked="" type="radio"/> No <input type="radio"/>
10a. Are there currently any registered or unregistered storage tanks (above or underground) located on the <i>property</i> ?	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>	Yes No Unk	Yes <input checked="" type="radio"/> No <input type="radio"/>
10b. Did you observe evidence or do you have any prior knowledge that there have been previously, any registered or unregistered storage tanks (above or underground) located on the <i>property</i> ?	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>	Yes No Unk	Yes <input checked="" type="radio"/> No <input type="radio"/>
11a. Are there currently any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the <i>property</i> or adjacent to any structure located on the <i>property</i> ? <i>House heat oil tank was removed.</i>	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>	Yes No Unk	Yes <input checked="" type="radio"/> No <input type="radio"/>
11b. Did you observe evidence or do you have any prior knowledge that there have been previously, any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the <i>property</i> or adjacent to any structure located on the <i>property</i> ?	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>	Yes No Unk	Yes <input checked="" type="radio"/> No <input type="radio"/>
12a. Are there currently any flooring, drains, or walls located within the facility that are stained by substances other than water or are emitting foul odors?	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>	Yes No Unk	Yes <input checked="" type="radio"/> No <input type="radio"/> <i>metal shoe gas 000k</i>
12b. Did you observe evidence or do you have any prior knowledge that there have been previously any flooring, drains, or walls within the facility that were stained by substances other than water or were emitting foul odors?	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>	Yes No Unk	Yes <input checked="" type="radio"/> No <input type="radio"/>
13a. If the property is served by a private well or non-public water system, is there evidence or do you have prior knowledge that contaminants have been identified in the well or system that exceed guidelines applicable to the water system? <i>tested clean - 12/86 dula</i>	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>	Yes No Unk	Yes <input checked="" type="radio"/> No <input type="radio"/>
13b. If the property is served by a private well or non-public water system, is there evidence or do you have prior knowledge that the well has been designated as contaminated by any government environmental/health agency?	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>	Yes No Unk	Yes <input checked="" type="radio"/> No <input type="radio"/>
14. Does the <i>owner</i> or <i>occupant</i> of the <i>property</i> have any knowledge of <i>environmental liens</i> or governmental notification relating to past or recurrent violations of environmental laws with respect to the <i>property</i> or any facility located on the <i>property</i> ?	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>	Yes No Unk	
15a. Has the <i>owner</i> or <i>occupant</i> of the <i>property</i> been informed of the past existence of <i>hazardous substances</i> or <i>petroleum products</i> with respect to the <i>property</i> or any facility located on the <i>property</i> ?	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>	Yes No Unk	
15b. Has the <i>owner</i> or <i>occupant</i> of the <i>property</i> been informed of the current existence of <i>hazardous substances</i> or <i>petroleum products</i> with respect to the <i>property</i> or any facility located on the <i>property</i> ?	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>	Yes No Unk	
15c. Has the <i>owner</i> or <i>occupant</i> of the <i>property</i> been informed of the past existence of environmental violations with respect to the <i>property</i> or any facility located on the <i>property</i> ?	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>	Yes No Unk	
15d. Has the <i>owner</i> or <i>occupant</i> of the <i>property</i> been informed of the current existence of environmental violations with respect to the <i>property</i> or any facility located on the <i>property</i> ?	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>	Yes No Unk	
16. Does the <i>owner</i> or <i>occupant</i> of the <i>property</i> have any knowledge of any <i>environmental site assessment</i> of the <i>property</i> or facility that indicated the presence of <i>hazardous substances</i> or <i>petroleum products</i> on, or contamination of, the <i>property</i> or recommended further assessment of the <i>property</i> ?	Yes <input checked="" type="radio"/> No <input type="radio"/> Unk <input type="radio"/>	Yes No Unk	

Question	Owner			Occupants (if applicable)			Observed During Site Visit	
	Yes	No	Unk	Yes	No	Unk	Yes	No
17. Does the <i>owner</i> or <i>occupant</i> of the <i>property</i> know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any <i>hazardous substance</i> or <i>petroleum products</i> involving the <i>property</i> by any owner or occupant of the <i>property</i> ?	Yes	<input checked="" type="radio"/> No	Unk	Yes	No	Unk	Yes	<input checked="" type="radio"/> No
18a. Does the <i>property</i> discharge waste water, on or adjacent to the <i>property</i> , other than storm water, into a storm water sewer system?	Yes	<input checked="" type="radio"/> No	Unk	Yes	No	Unk	Yes	<input checked="" type="radio"/> No
18b. Does the <i>property</i> discharge waste water, on or adjacent to the <i>property</i> , other than storm water, into a sanitary sewer system?	Yes	<input checked="" type="radio"/> No	Unk	Yes	No	Unk	Yes	<input checked="" type="radio"/> No
19. Did you observe evidence or do you have any prior knowledge that any <i>hazardous substances</i> or <i>petroleum products</i> , unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials have been dumped above grade, buried and/or burned on the <i>property</i> ?	Yes	<input checked="" type="radio"/> No	Unk	Yes	No	Unk	Yes	<input checked="" type="radio"/> No
20. Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?	Yes	<input checked="" type="radio"/> No	Unk	Yes	No	Unk	Yes	<input checked="" type="radio"/> No

Government Records/Historical Sources Inquiry
(See guide, Section 10 of ASTM Practice E 1528-96)

21. Do any of the following Federal government record systems list the *property* or any *property* within the circumference of the area noted below:

National Priorities List (NPL)—within 1.0 mile (1.6 km)?

Yes No

CERCLIS List—within 0.5 mile (0.8 km)?

Yes No

RCRA CORRACTS Facilities—within 1.0 mile (1.6 km)?

Yes No

RCRA non-CORRACTS TSD Facilities—within 1.5 mile (0.8 km)?

Yes No

22. Do any of the following state record systems list the *property* or any *property* within the circumference of the area noted below:

List maintained by state environmental agency of *hazardous waste* sites identified for investigation or remediation that is the state agency equivalent to *NPL*—within approximately 1.0 mile (1.6 km)?

Yes No

List maintained by state environmental agency of sites identified for investigation or remediation that is the state equivalent to *CERCLIS* within 0.5 mile (0.8 km)?

Yes No

Leaking Underground Storage Tank (LUST) List—within 0.5 mile (0.8 km)?

Yes No

Solid Waste/Landfill Facilities—within 0.5 mile (0.8 km)?

Yes No

23. Based upon a review of *fire insurance maps* or consultation with the local fire department serving the *property*, all as specified in the guide, are any buildings or other improvements on the *property* or on an *adjoining property* identified as having been used for an industrial use or uses likely to lead to contamination of the *property*?

Yes No N/A

The preparer of the transaction screen questionnaire must complete and sign the following statement.
(For definition of preparer and user, see 5.3 or 3.3.25 of ASTM Practice E 1528-96.)

This questionnaire was completed by:

Name Mary Ann Aman
Title Hydrologist
Firm Cascade Earth Science
Address 225 S. Holly
Medford, OR 97501
Phone number 541-779-2280
Date _____

If the preparer is different than the user, complete the following:

Name of user _____
User's address _____
User's phone number _____
Preparer's relationship to site _____
Preparer's relationship to user _____
(for example, principal, employee, agent, consultant)

Copies of the completed questionnaire have
been filed at:

Copies of the completed questionnaire have
been mailed or delivered to:

Preparer represents that to the best of the preparer's knowledge the above statements and facts are true and correct and to the best of the preparer's actual knowledge, no material facts have been suppressed or misstated.

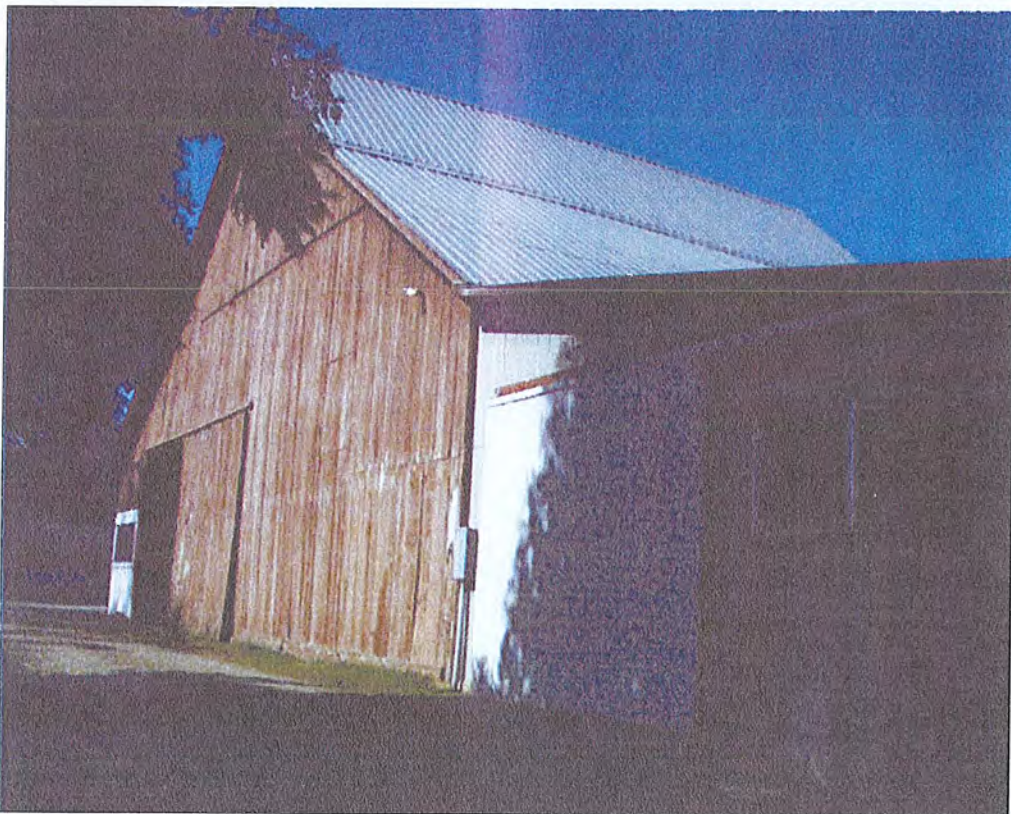
Signature [Signature] Date 3/15/07
Signature _____ Date _____
Signature _____ Date _____

Copyright © 1996 AMERICAN SOCIETY FOR TESTING AND MATERIALS, West Conshohocken, PA
This document is an excerpt of E 1528-96: Standard Practice for Environmental Site Assessments: Transaction Screen Process, which is under the jurisdiction of ASTM Committee E-50 on Environmental Assessment and is the responsibility of Subcommittee E 50.02 on Commercial Real Estate Transactions. This questionnaire represents only Sections 5 and 6 of Practice E 1528-96 and should not be construed as being the complete standard. It is necessary to refer to the full standard prior to using this questionnaire. For the complete standard, or to order additional copies of this questionnaire, contact ASTM Customer Service at (610) 832-9585.

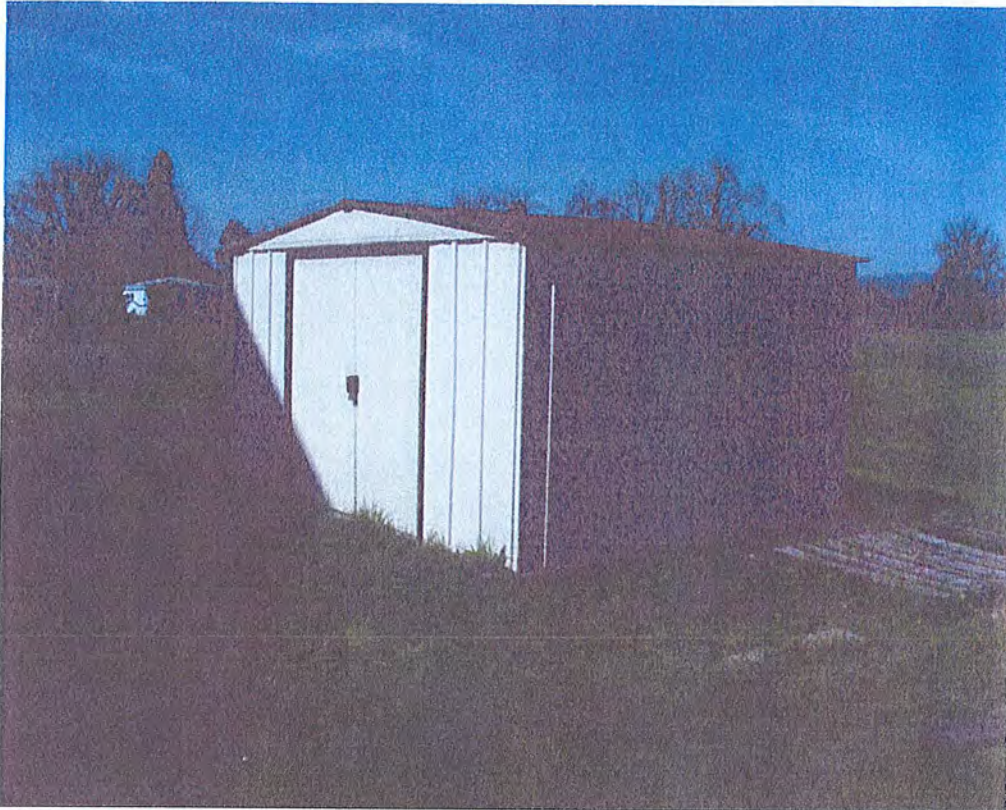




Photograph 1. View west at the main residence at 718 Beebe Road.



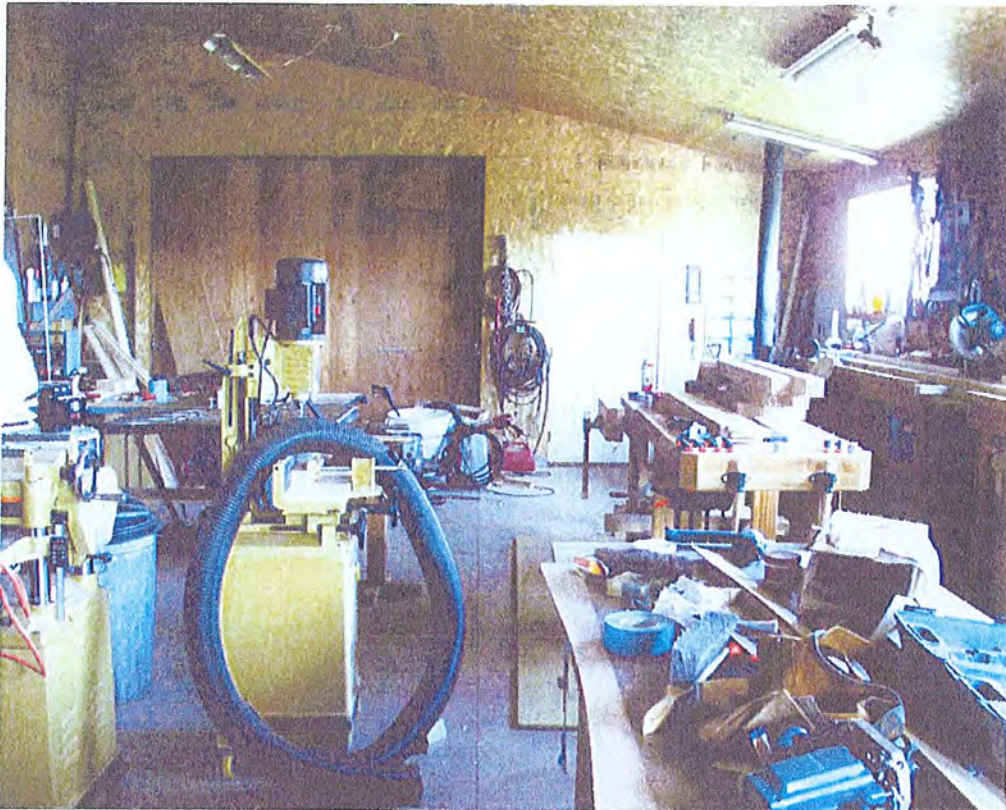
Photograph 2. View west at the large barn on the Site.



Photograph 3. View west at the metal shed behind the barn used to store gas and oil.



Photograph 4. View inside the barn at the forklift and miscellaneous storage.



Photograph 5. View into the wood shop. Everything was neat and orderly.



Photograph 6. View north at the small irrigation pond in the northeast corner of the Site.



Photograph 7. A concrete containment was constructed for an aboveground storage tank used for diesel fuel. The 55-gallon drum, currently empty, previously held kerosene for a shop heater.



Photograph 8. View east at the adjacent church bordering the southern portion of the Site.



Photograph 9. View east at the adjacent orchard bordering the northern portion of the Site.



Photograph 10. View south at the orchard across Beebe Road from the Site.



Photograph 11. View north at the adjacent pasture and residence.



Photograph 12. View west at a residence located across Gebhard Road from the Site.



Photograph 13. View west at the vacant land across Gebhard Road owned by Jackson County.



Photograph 14. Stains from petroleum products were observed on the floor of the small shed.



Photograph 15. Soil stains were observed near the irrigation pond where orchard heaters were stored.

Appendix B

**Results of Aerial Photograph Review and
Soil Sampling Letter Report**



Natural Solutions for Water
A VALMONT INDUSTRIES COMPANY

Using natural systems to take the waste out of water

Phone: 541.779.2280

Fax: 541.773-4404

225 S. Holly St. Medford, OR 97501

May 27, 2005

Mr. Mike Duncan
Duncan Development LLC
25 S. Front Street
Central Point, Oregon 97502

**SUBJECT: Results of Aerial Photograph Review and Soil Sampling;
Gebhard Road and 718 Beebe Road, Central Point, Oregon**

Dear Mr. Duncan:

Duncan Developments LLC (Duncan) recently retained Cascade Earth Sciences (CES) to complete an Environmental Transaction Screen (ETS) for properties located at 5055 Gebhard Road and 718 Beebe Road in Central Point, Oregon. Conclusions and recommendations from the ETS included determining if either property was used for an orchard or commercial farm dating prior to 1970 because of possible pesticides and/or arsenic contamination. Duncan requested CES to perform an historical aerial photograph review to determine historical land use and, if necessary, subsequent soil sampling.

CES reviewed historical aerial photographs from 1939, 1952, 1960, 1967, 1979 and 1999 for both properties. The aerial photographs are included as Attachment 1. The review showed that an orchard existed on the northeast portion of the Beebe Road farm from at least 1939 through 1967. The orchard was not observed in the 1979 aerial photograph. No orchards or commercial farm operations were observed at the Gebhard Road property in any of the aerial photographs reviewed.

Until the mid 1970's, former acceptable practices relating to orchards included application of organo-pesticides and lead and arsenic for fungus control. If the land use continued to be agricultural, this would not present a problem. However, Duncan would like to develop the property for residential use. Therefore, soil sampling was performed to determine if (possible) pesticide, and/or lead and arsenic residue exist at concentrations that could present a hazard to human health.

On April 14, 2005 CES geologist, Mary Ann Amann collected one composite sample from the approximately 5-acre area on the Beebe Road property where the former orchard existed (see Aerial Photographs). The composite sample was comprised of 5 discrete samples collected at a depth of 18-24 inches below ground surface from the center and four corners (of the former orchard). The soil was mixed in a stainless steel bowl and transferred to glass jars. The sample was submitted to Neilson Research Laboratory for analysis of lead, arsenic and pesticides (per EPA Method 8081A).

The laboratory analytical results show that lead and arsenic were detected at 29.2 and 51.8 milligrams per kilogram (mg/Kg) respectively (Attachment 2). The comparative Preliminary Remediation Goals (PRGs) for residential soil for these chemicals are 0.39 mg/Kg (arsenic) and 400 mg/Kg (lead). In addition, three organo-pesticides were detected:

4,4-DDE at 0.210 mg/Kg, dieldrin at 0.0065 mg/Kg, and 4,4-DDT at 0.110 ug/Kg. The comparative PRGs for these compounds are 1.7 mg/Kg (DDE), 0.03 mg/Kg (dieldrin) and 1.7 mg/Kg (DDT). Only the arsenic concentration exceeds the PRG for residential soils on the Beebe property.

CES has performed limited soil sampling at the Beebe Property to determine the presence or absence of constituents of potential concern. The results show that arsenic, lead, and pesticide residues are present in soils at the Beebe Site. Although only the arsenic concentration exceeds the residential PRG standard, the presence of DDE and DDT has also been confirmed. In addition, the arsenic concentration was detected at a depth of 18 to 24 inches and the concentration may be higher near the surface.

This study was not intended to define the magnitude or extent of contamination. CES recommends that additional soil sampling and laboratory analysis be conducted on the Beebe Site to determine the magnitude and extent of contamination to prevent the potential exposure of hazardous compounds. At the very least, it would be advisable to evaluate the background concentrations of arsenic in a suitable area outside the former orchard.

I appreciate this opportunity to provide you with environmental services. Please do not hesitate to contact me at 541-858-5427 if you have any questions.

Sincerely,

CASCADE EARTH SCIENCES



Mary Ann Amann, RG
Project Manager/Senior Geologist

MAA/mab

Att: Aerial Photographs
Laboratory Reports
PN: 2524013/002
DOC: 2524013 Beebe Soils Letter report



SOURCE: University of Oregon Map library

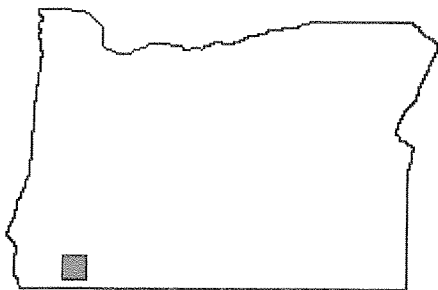


Historical Aerial Photograph 1994


PROJECT NUMBER: 2523014	718 Beebe Road
DATE: April 2005	
Doc: Figure 1994 Gebhard	Central Point, Oregon
PROJECT MANAGER: MAA	
REVISED	CES CASCADE EARTH SCIENCES A Valmont Industries Company



SOURCE: University of Oregon Map library



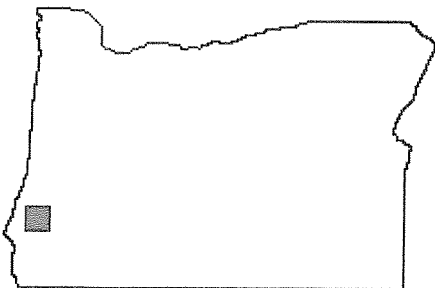
Historical Aerial Photograph 1979


PROJECT NUMBER: 2523014	718 Beebe Road
DATE: April 2005	Central Point, Oregon
Doc: Figure 1994 Gebhard	
PROJECT MANAGER: MAA	 CASCADE EARTH SCIENCES A Valmont Industries Company
REVISED	



SOURCE: University of Oregon Map library

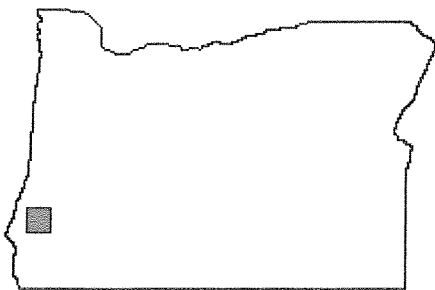
Historical Photograph 1967




PROJECT NUMBER: 2524014	718 Beebe Road
DATE: April 2005	
Doc: Figure 1936.doc	Central Point, Oregon
PROJECT MANAGER: MAA	
REVISED	
 CASCADE EARTH SCIENCES A Valmont Industries Company	



SOURCE: University of Oregon Map library

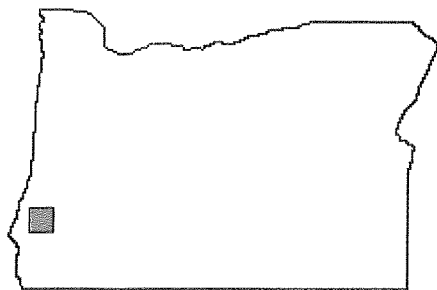


Historical Photograph 1960


PROJECT NUMBER: 2524014	718 Beebe Road
DATE: April 2005	
Doc: Figure 1936.doc	Central Point, Oregon
PROJECT MANAGER: MAA	
REVISED	
 CASCADE EARTH SCIENCES A Valmont Industries Company	

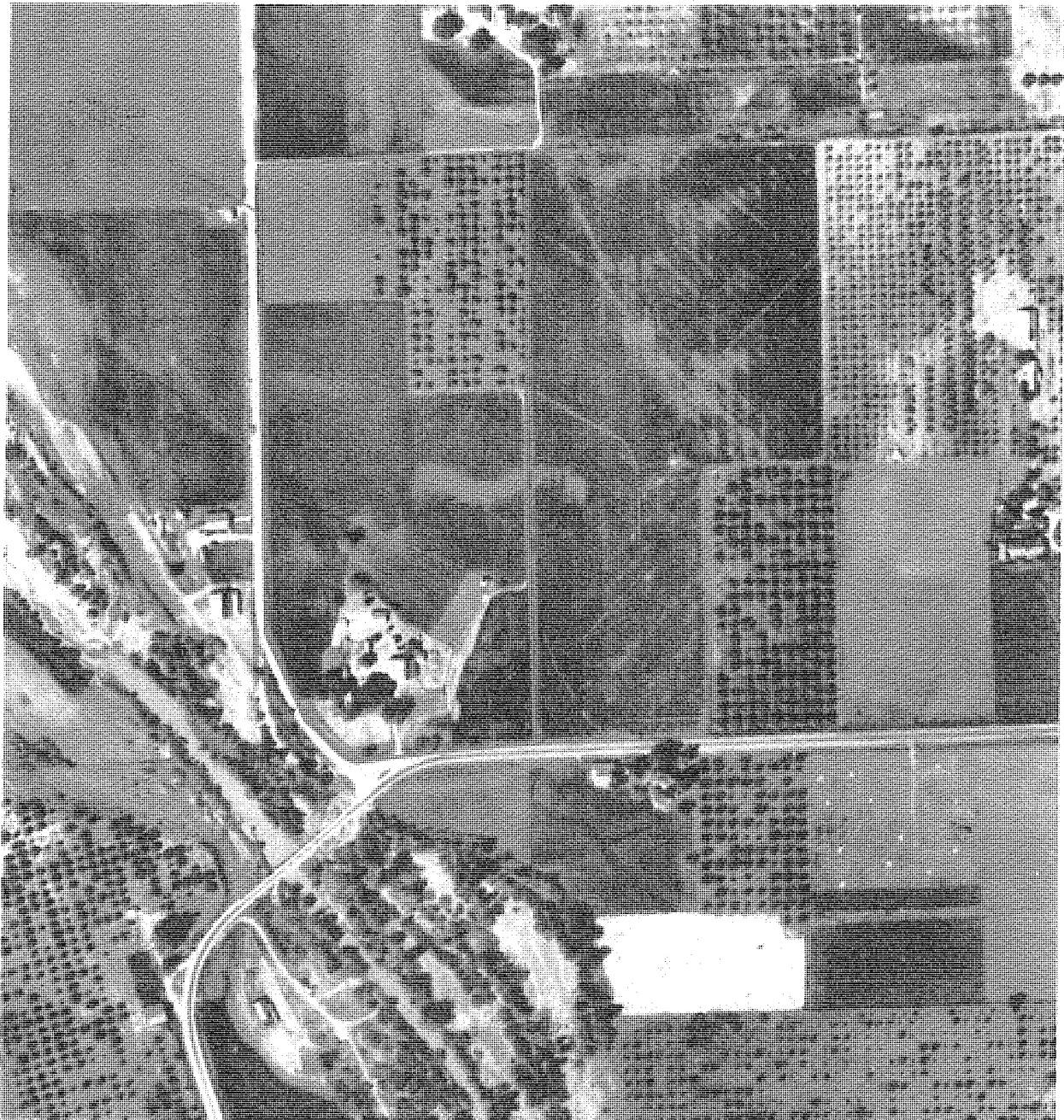


SOURCE: University of Oregon Map library



Historical Photograph 1952

PROJECT NUMBER: 2524014	718 Beebe Road
DATE: April 2005	
Doc: Figure 1936.doc	Central Point, Oregon
PROJECT MANAGER: MAA	
REVISED	
 CASCADE EARTH SCIENCES A Valmont Industries Company	

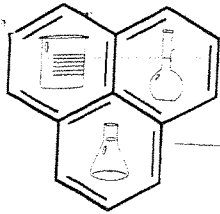


SOURCE: University of Oregon Map library



Historical Photograph 1939

PROJECT NUMBER: 2524014	718 Beebe Road
DATE: April 2005	
Doc: Figure 1936.doc	Central Point, Oregon
PROJECT MANAGER: MAA	
REVISED	CES CASCADE EARTH SCIENCES A Valmont Industries Company



NEILSON RESEARCH CORPORATION

Environmental Testing Laboratory

05/09/05

MaryAnn Amann, RG
Cascade Earth Science
225 S. Holly St.
Medford, OR 97501

TEL: (541) 779-2280
FAX (541) 773-4404

RE: Project #2524013/Beebe ETS

Dear MaryAnn Amann, RG:

Order No.: 0504337

Neilson Research Corporation received 1 sample(s) on 04/14/05 for the analyses presented in the following report.

The results relate only to the parameters tested or to the sample as received by the laboratory. This report shall not be reproduced except in full, without the written approval of Neilson Research Corporation. If you have any questions regarding these test results, please feel free to call.

Sincerely,
Neilson Research Corporation

Fay L. Fowler
Project Manager

Neilson Research Corporation

245 South Grape Street, Medford, Oregon 97501 541-770-5678 Fax 541-770-2901

Analysis Report

ORELAP 100016
EPA OR00028

CLIENT: Cascade Earth Science
Project: Project #2524013/Beebe ETS
Lab Order: 0504337

Date: 09-May-05

CASE NARRATIVE

The analyses were performed according to the guidelines in the Neilson Research Corporation Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory.

Neilson Research Corporation certifies that this report is in compliance with the requirements of NELAP. No unusual difficulties were experienced during analysis of this batch except as noted below or qualified with data flags on the reports.

Neilson Research Corporation

245 South Grape Street, Medford, Oregon 97501 541-770-5678 Fax 541-770-2901

Analysis Report

ORELAP 100016
EPA OR00028

Cascade Earth Science

225 S. Holly St.

Medford, OR 97501

Client Sample ID: **BB-S1**

Sample Location: **BB-S1 14"**

Project: **Project #2524013/Beebe ETS**

Lab Order: **0504337**

NRC Sample ID **0504337-01A**

Collection Date: **04/14/05 3:10:00 PM**

Received Date: **04/14/05 3:20:00 PM**

Reported Date: **05/09/05 9:58:35 AM**

Matrix: **Solid**

ANALYTICAL RESULTS

Analyses	NELAC Accredited	Result	Qual	MRL	Units	Dilution Factor	Date Analyzed
<i>Trace Metals by ICP-MS by EPA 6020A</i>				(EPA 3050B)			<i>Analyst: JN</i>
Arsenic		29.2		0.591	mg/Kg	10	05/05/05
Lead		51.8		0.118	mg/Kg	10	05/05/05

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

MRL - Minimum Reporting Limit

Neilson Research Corporation

245 South Grape Street, Medford, Oregon 97501 541-770-5678 Fax 541-770-2901

Analysis Report

ORELAP 100016
EPA OR00028

Cascade Earth Science
225 S. Holly St.
Medford, OR 97501
Client Sample ID: **BB-S1**
Sample Location: **BB-S1 14"**
Project: **Project #2524013/Beebe ETS**

Lab Order: **0504337**
NRC Sample ID **0504337-01B**
Collection Date: **04/14/05 3:10:00 PM**
Received Date: **04/14/05 3:20:00 PM**
Reported Date: **05/09/05 9:58:36 AM**
Matrix: **Solid**

ANALYTICAL RESULTS

Analyses	NELAC		Qual	MRL	Units	Dilution	
	Accredited	Result				Factor	Date Analyzed
Organochlorine Pesticides by EPA 8081				(EPA 3550B)		Analyst: BAY	
alpha-BHC	A	ND		2.5	µg/Kg	1	04/29/05
gamma-BHC (Lindane)	A	ND		2.5	µg/Kg	1	04/29/05
beta-BHC	A	ND		2.5	µg/Kg	1	04/29/05
delta-BHC	A	ND		2.5	µg/Kg	1	04/29/05
Heptachlor	A	ND		2.5	µg/Kg	1	04/29/05
Aldrin	A	ND		2.5	µg/Kg	1	04/29/05
Heptachlor epoxide	A	ND		2.5	µg/Kg	1	04/29/05
gamma-Chlordane	A	ND		2.5	µg/Kg	1	04/29/05
alpha-Chlordane	A	ND		2.5	µg/Kg	1	04/29/05
4,4'-DDE	A	210		25	µg/Kg	10	05/01/05
Endosulfan I	A	ND		2.5	µg/Kg	1	04/29/05
Dieldrin	A	6.5		2.5	µg/Kg	1	04/29/05
Endrin	A	ND		2.5	µg/Kg	1	04/29/05
4,4'-DDD	A	ND		2.5	µg/Kg	1	04/29/05
Endosulfan II	A	ND		2.5	µg/Kg	1	04/29/05
4,4'-DDT	A	110		25	µg/Kg	10	05/01/05
Endrin aldehyde	A	ND		2.5	µg/Kg	1	04/29/05
Methoxychlor	A	ND		12	µg/Kg	1	04/29/05
Endosulfan sulfate	A	ND		2.5	µg/Kg	1	04/29/05
Endrin ketone	A	ND		2.5	µg/Kg	1	04/29/05
Chlordane	A	ND		12	µg/Kg	1	04/29/05
Toxaphene	A	ND		25	µg/Kg	1	04/29/05
Surr: Tetrachloro-m-xylene		71.0		40-140	%REC	1	04/29/05
Surr: Decachlorobiphenyl		85.8		60-140	%REC	1	04/29/05

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level MRL - Minimum Reporting Limit

DATA FLAGS

- B Analyte detected in the associated Method Blank.
- C Sample(s) does not meet NELAC/ORELAP sample acceptance criteria. See Case Narrative.
- CU Cleanup performed prior to analysis: either H₂SO₄/Silica Gel or Florosil
- D1 The diesel elution pattern for the sample is not typical.
- D2 The sample appears to be a heavier hydrocarbon range than diesel.
- D3 The sample appears to be a lighter hydrocarbon range than diesel.
- D4 Detected hydrocarbons do not have pattern and range consistent with typical petroleum products and may be due to biogenic interference.
- D5 Detected hydrocarbons in the diesel range appear to be weathered diesel.

- E Estimated value.
- ER Elevated reporting limit due to matrix.

- G1 The gasoline elution pattern for the sample is not typical.
- G2 The sample appears to be a heavier hydrocarbon range than gasoline.
- G3 The sample appears to be a lighter hydrocarbon range than gasoline.
- G4 Detected hydrocarbons in the gasoline range appear to be weathered gasoline.

- HP Sample re-analysis performed outside of method specified holding time.
- HR Sample received outside of method specified holding time.
- HS Sample analyzed for volatile organics contained headspace.
- HT At the clients request, the sample was analyzed outside of method specified holding time.
- H Analysis performed outside of method specified holding time.

- J Analyte detected below the minium reporting limit (MRL) and above the method detection limit (MDL).
- MI Surrogate or Matrix Spike recovery is out of control limits due to matrix interference.
- N See Case Narrative
- NI Some QA criteria may be outside control limits. Insufficient sample remains for reanalysis.

- R RPD outside accepted recovery limits.
- R1 Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit.
- R2 Analyses are not controlled on RPD values from sample concentrations less than 5 times the reporting limit.
- R3 The RPD and/or % recovery for the DUP or QC spike sample cannot be accurately calculated due to the high concentration of analyte already present in the sample.
- R4 Duplicate analysis failed due to result being at or near method reporting limit.
- RPD Relative percent difference.

- S Spike recovery outside accepted recovery limits.
- S1 Surrogate or Matrix Spike recovery is outside of control limits due to dilution necessary for analysis.
- SC Sub-contracted to another laboratory for analysis.
- TCLP Toxicity Characteristic Leaching Procedure – Sample submitted contained < 0.5% solids.
- X1 The motor oil elution pattern for the sample is not typical.
- X2 The sample appears to be a heavier hydrocarbon range than motor oil.
- X3 The sample appears to be a lighter hydrocarbon range than motor oil.
- * Value exceeds Maximum Contaminant Level for Drinking Water Standards
- # Value exceeds Regulatory Level.

Neilson Research Corporation

Date: 09-May-05

CLIENT: Cascade Earth Science

Work Order: 0504337

ANALYTICAL QC SUMMARY REPORT

Project: Project #2524013/Beebe ETS

TestCode: EPA8081_S

Sample ID: MB-8613	SampType: MBLK	TestCode: EPA8081_S	Units: µg/Kg	Prep Date: 04/22/05	RunNo: 24934						
Client ID: ZZZZ	Batch ID: 8613	TestNo: EPA 8081	(EPA 3550B)	Analysis Date: 04/29/05	SeqNo: 378998						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
alpha-BHC	ND	2.5									
gamma-BHC (Lindane)	ND	2.5									
beta-BHC	ND	2.5									
delta-BHC	ND	2.5									
Heptachlor	ND	2.5									
Aldrin	ND	2.5									
Heptachlor epoxide	ND	2.5									
gamma-Chlordane	ND	2.5									
alpha-Chlordane	ND	2.5									
4,4'-DDE	ND	2.5									
Endosulfan I	ND	2.5									
Dieldrin	ND	2.5									
Endrin	ND	2.5									
4,4'-DDD	ND	2.5									
Endosulfan II	ND	2.5									
4,4'-DDT	ND	2.5									
Endrin aldehyde	ND	2.5									
Methoxychlor	ND	12									
Endosulfan sulfate	ND	2.5									
Endrin ketone	ND	2.5									
Chlordane	ND	12									
Toxaphene	ND	25									
Surr: Tetrachloro-m-xylene	17.76	0	25	0	71.0	40	140				
Surr: Decachlorobiphenyl	21.50	0	25	0	86.0	60	140				

Sample ID: LCS-8613	SampType: LCS	TestCode: EPA8081_S	Units: µg/Kg	Prep Date: 04/22/05	RunNo: 24934						
Client ID: ZZZZ	Batch ID: 8613	TestNo: EPA 8081	(EPA 3550B)	Analysis Date: 04/29/05	SeqNo: 378999						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
alpha-BHC	ND	2.5									
gamma-BHC (Lindane)	ND	2.5									
beta-BHC	ND	2.5									
delta-BHC	ND	2.5									
Heptachlor	ND	2.5									
Aldrin	ND	2.5									
Heptachlor epoxide	ND	2.5									
gamma-Chlordane	ND	2.5									
alpha-Chlordane	ND	2.5									
4,4'-DDE	ND	2.5									
Endosulfan I	ND	2.5									
Dieldrin	ND	2.5									
Endrin	ND	2.5									
4,4'-DDD	ND	2.5									
Endosulfan II	ND	2.5									
4,4'-DDT	ND	2.5									
Endrin aldehyde	ND	2.5									
Methoxychlor	ND	12									
Endosulfan sulfate	ND	2.5									
Endrin ketone	ND	2.5									
Chlordane	ND	12									
Toxaphene	ND	25									
Surr: Tetrachloro-m-xylene	17.76	0	25	0	71.0	40	140				
Surr: Decachlorobiphenyl	21.50	0	25	0	86.0	60	140				

Qualifiers: E Value above quantitation range
 ND Not Detected at the Minimum Reporting Limit
 H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

Neilson Research Corporation

Date: 09-May-05

CLIENT: Cascade Earth Science

Work Order: 0504337

Project: Project #2524013/Beebe ETS

ANALYTICAL QC SUMMARY REPORT

TestCode: EPA8081_S

Sample ID: LCS-8613	SampType: LCS	TestCode: EPA8081_S	Units: µg/Kg	Prep Date: 04/22/05	RunNo: 24934						
Client ID: ZZZZZ	Batch ID: 8613	TestNo: EPA 8081	(EPA 3550B)	Analysis Date: 04/29/05	SeqNo: 378999						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

alpha-BHC	10.73	2.5	12.5	0	85.8	60	140				
gamma-BHC (Lindane)	11.41	2.5	12.5	0	91.3	60	140				
beta-BHC	11.14	2.5	12.5	0	89.1	60	140				
delta-BHC	11.23	2.5	12.5	0	89.8	60	140				
Heptachlor	10.35	2.5	12.5	0	82.8	60	140				
Aldrin	10.47	2.5	12.5	0	83.8	60	140				
Heptachlor epoxide	10.24	2.5	12.5	0	81.9	60	140				
gamma-Chlordane	10.61	2.5	12.5	0	84.9	60	140				
alpha-Chlordane	10.87	2.5	12.5	0	87.0	60	140				
4,4'-DDE	11.01	2.5	12.5	0	88.1	60	140				
Endosulfan I	10.52	2.5	12.5	0	84.1	60	140				
Dieldrin	10.67	2.5	12.5	0	85.4	60	140				
Endrin	11.24	2.5	12.5	0	89.9	60	140				
4,4'-DDD	10.63	2.5	12.5	0	85.0	60	140				
Endosulfan II	10.04	2.5	12.5	0	80.3	60	140				
4,4'-DDT	8.943	2.5	12.5	0	71.5	60	140				
Endrin aldehyde	9.954	2.5	12.5	0	79.6	60	140				
Methoxychlor	ND	12	12.5	0	92.5	60	140				
Endosulfan sulfate	10.59	2.5	12.5	0	84.7	60	140				
Surr: Tetrachloro-m-xylene	17.44	0	25	0	69.8	60	140				
Surr: Decachlorobiphenyl	22.46	0	25	0	89.9	60	140				

Sample ID: 0504337-01BMS	SampType: MS	TestCode: EPA8081_S	Units: µg/Kg	Prep Date: 04/22/05	RunNo: 24934						
Client ID: BB-S1	Batch ID: 8613	TestNo: EPA 8081	(EPA 3550B)	Analysis Date: 04/29/05	SeqNo: 379002						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

alpha-BHC	10.96	2.5	12.28	0	89.3	40	160				
gamma-BHC (Lindane)	11.62	2.5	12.28	0	94.7	40	160				
beta-BHC	10.92	2.5	12.28	0	89.0	40	160				

Qualifiers: E Value above quantitation range
 ND Not Detected at the Minimum Reporting Limit
 H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

Neilson Research Corporation

Date: 09-May-05

CLIENT: Cascade Earth Science

Work Order: 0504337

Project: Project #2524013/Beebe ETS

ANALYTICAL QC SUMMARY REPORT

TestCode: EPA8081_S

Sample ID: 0504337-01BMS	SampType: MS	TestCode: EPA8081_S	Units: µg/Kg	Prep Date: 04/22/05	RunNo: 24934
Client ID: BB-S1	Batch ID: 8613	TestNo: EPA 8081	(EPA 3550B)	Analysis Date: 04/29/05	SeqNo: 379002

Analyte	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
delta-BHC	2.5	12.28	0	73.9	40	160				
Heptachlor	2.5	12.28	0	78.3	40	160				
Aldrin	2.5	12.28	0	84.0	40	160				
Heptachlor epoxide	2.5	12.28	0	72.9	40	160				
gamma-Chlordane	2.5	12.28	0	84.1	40	160				
alpha-Chlordane	2.5	12.28	0	84.1	40	160				
Endosulfan I	2.5	12.28	0	90.4	40	160				
Endrin	2.5	12.28	0	89.8	40	160				
4,4'-DDD	2.5	12.28	1.293	85.2	40	160				
Endosulfan II	2.5	12.28	0	78.3	40	160				
Endrin aldehyde	2.5	12.28	0.5322	90.3	40	160				
Methoxychlor	12	12.28	0	89.2	40	160				
Endosulfan sulfate	2.5	12.28	0	87.5	40	160				
Surr: Tetrachloro-m-xylene	0	24.55	0	75.1	60	140				
Surr: Decachlorobiphenyl	0	24.55	0	86.3	60	140				

Sample ID: 0504337-01BMS	SampType: MS	TestCode: EPA8081_S	Units: µg/Kg	Prep Date: 04/22/05	RunNo: 24935
Client ID: BB-S1	Batch ID: 8613	TestNo: EPA 8081	(EPA 3550B)	Analysis Date: 04/30/05	SeqNo: 379008

Analyte	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDE	25	12.28	214	261	40	160				R3
4,4'-DDT	25	12.28	106.3	94.9	40	160				

Sample ID: 0504337-01BDUP	SampType: DUP	TestCode: EPA8081_S	Units: µg/Kg	Prep Date: 04/22/05	RunNo: 24934
Client ID: BB-S1	Batch ID: 8613	TestNo: EPA 8081	(EPA 3550B)	Analysis Date: 04/29/05	SeqNo: 379001

Analyte	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
alpha-BHC										
gamma-BHC (Lindane)	2.5									
	2.5									

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Minimum Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

Neilson Research Corporation

Date: 09-May-05

CLIENT: Cascade Earth Science

Work Order: 0504337

Project: Project #2524013/Beebe ETS

ANALYTICAL QC SUMMARY REPORT

TestCode: EPA8081_S

Sample ID: 0504337-01BDUP	SampType: DUP	TestCode: EPA8081_S	Units: µg/Kg	Prep Date: 04/22/05	RunNo: 24934						
Client ID: BB-S1	Batch ID: 8613	TestNo: EPA 8081	(EPA 3550B)	Analysis Date: 04/29/05	SeqNo: 379001						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

beta-BHC	ND	2.5							0	0	25
delta-BHC	ND	2.5							0	0	25
Heptachlor	ND	2.5							0	0	25
Aldrin	ND	2.5							0	0	25
Heptachlor epoxide	ND	2.5							0	0	25
gamma-Chlordane	ND	2.5							0	0	25
alpha-Chlordane	ND	2.5							0	0	25
Endosulfan I	ND	2.5							0	0	25
Endrin	ND	2.5							0	0	25
4,4'-DDD	ND	2.5						1.293	0	0	25
Endosulfan II	ND	2.5							0	0	25
Endrin aldehyde	ND	2.5						0.5322	0	0	25
Methoxychlor	ND	12							0	0	25
Endosulfan sulfate	ND	2.5							0	0	25
Endrin ketone	ND	2.5							0	0	25
Chlordane	ND	12							0	0	25
Toxaphene	ND	25							0	0	25
Surr: Tetrachloro-m-xylene	18.09	0	24.68	0	73.3	60	140		0	0	25
Surr: Decachlorobiphenyl	20.47	0	24.68	0	82.9	60	140		0	0	0

Sample ID: 0504337-01BDUP	SampType: DUP	TestCode: EPA8081_S	Units: µg/Kg	Prep Date: 04/22/05	RunNo: 24935						
Client ID: BB-S1	Batch ID: 8613	TestNo: EPA 8081	(EPA 3550B)	Analysis Date: 04/30/05	SeqNo: 379007						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

4,4'-DDE	241.0	25						214	11.9	25	25
4,4'-DDT	110.6	25						106.3	3.98	25	25

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Minimum Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

Neilson Research Corporation

Date: 09-May-05

CLIENT: Cascade Earth Science

Work Order: 0504337

Project: Project #2524013/Beebe ETS

ANALYTICAL QC SUMMARY REPORT

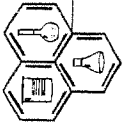
TestCode: ICPMS_6020A_S

Sample ID: MB-8627	SampType: MBLK	TestCode: ICPMS_6020	Units: mg/Kg	Prep Date: 04/25/05	RunNo: 25019						
Client ID: ZZZZZ	Batch ID: 8627	TestNo: EPA 6020A	(EPA 3050B)	Analysis Date: 05/05/05	SeqNo: 380354						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0500									
Lead	ND	0.0100									

Sample ID: LCS-8627	SampType: LCS	TestCode: ICPMS_6020	Units: mg/Kg	Prep Date: 04/25/05	RunNo: 25019						
Client ID: ZZZZZ	Batch ID: 8627	TestNo: EPA 6020A	(EPA 3050B)	Analysis Date: 05/05/05	SeqNo: 380355						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	9.979	0.0500	10	0.007772	99.7	85	115				
Lead	9.438	0.0100	10	0	94.4	85	115				

Sample ID: 0504337-01ADUP	SampType: DUP	TestCode: ICPMS_6020	Units: mg/Kg	Prep Date: 04/25/05	RunNo: 25019						
Client ID: BB-S1	Batch ID: 8627	TestNo: EPA 6020A	(EPA 3050B)	Analysis Date: 05/05/05	SeqNo: 380357						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	28.38	0.539						29.22	2.95	25	
Lead	121.5	0.108						51.83	80.4	25	R

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Minimum Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits



NEILSON RESEARCH CORPORATION

245 S. GRAPE ST. * MEDFORD, OR 97501-3123 * (541) 770-5678 * FAX (541) 770-2901

Environmental Testing Laboratory

Chain of Custody Record

Date 4/14/05 Page 1 of 1

PROJECT INFORMATION
 Project Number: 2524013
 Project Name: Beebe ETS
 Attention: [Signature]
 Address: _____
 Phone: _____

SPECIAL INSTRUCTIONS:

ANALYSIS REQUEST
 NO. OF CONTAINERS: _____
 Lab # 18081
 Pesticide Assembly
 Test for 2,4-D
 2

REPORTING REQUEST
 Preliminary: Fax Verbal (541-941-3499)
 Final: Written Fax
 RUSH REQUEST: 24-48 hrs. (100% sur)
 5 days (50% sur) Standard 10-14 days
 Other _____

LAB ID	SAMPLE ID	DATE	TIME	SOIL/WATER OTHER	DEPTH	REMARKS/SAMPLE CONDITION
<u>D1A</u>	<u>BB-S1</u>	<u>4/14/05</u>	<u>1510</u>	<u>Soil</u>	<u>14"</u>	

CHAIN OF CUSTODY SEALS Y/N/NA Hand

SHIPPED VIA: UPS Fed-Ex Bus

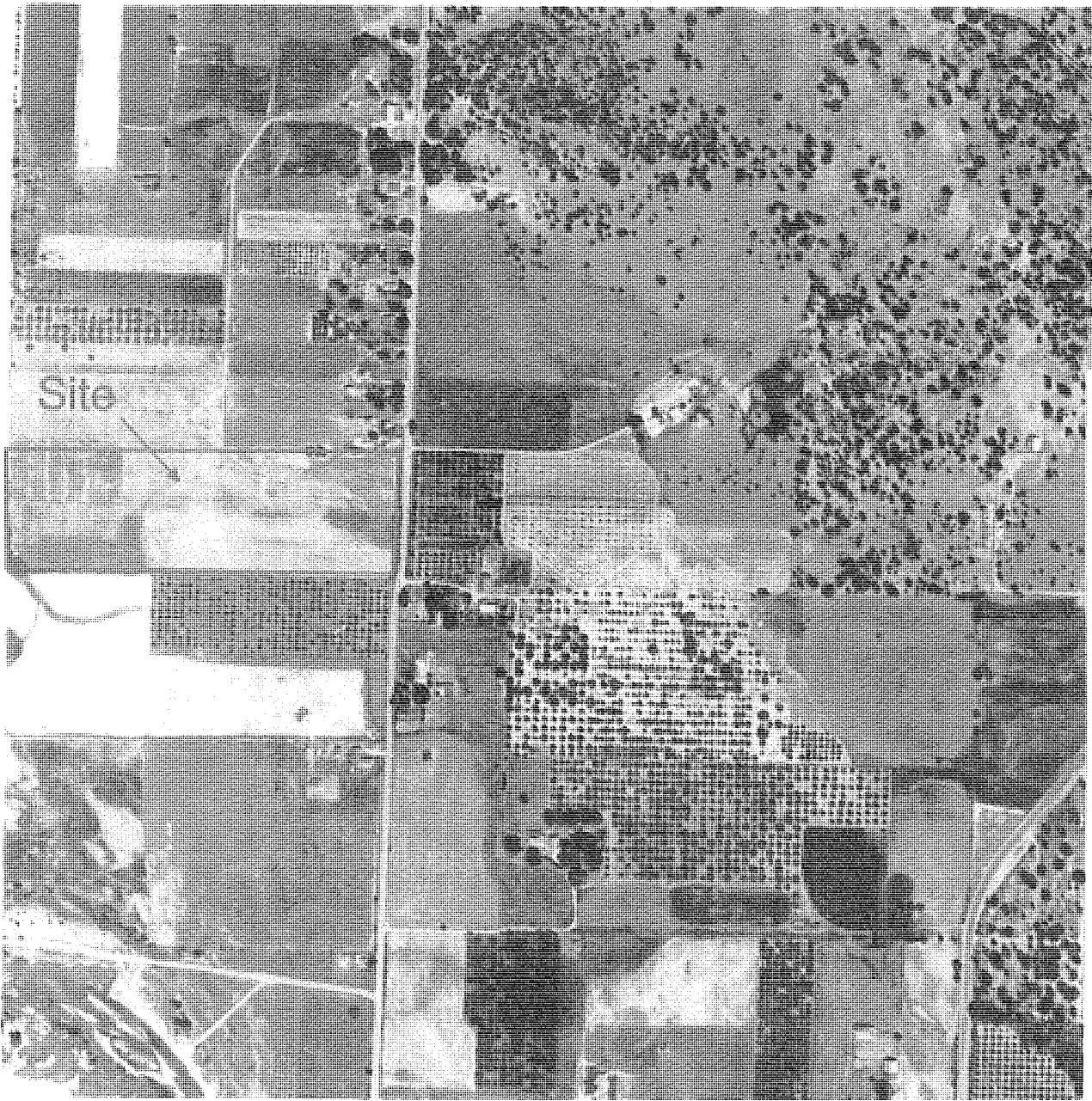
SAMPLE DISPOSAL
 NRC disposal of non-contaminated
 Return Pick up

RELINQUISHED BY (Sign and Print) Mary Ann Amann **DATE/TIME** 4/14/05

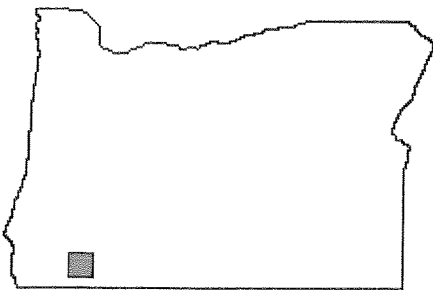
RECEIVED BY (Sign) [Signature] **DATE/TIME** 4/14/05

REC'D. BY (LABORATORY) [Signature] **DATE/TIME** 4/14/05

Note: See Standard Terms & Conditions on reverse side of this form.



SOURCE: University of Oregon Map library



Historical Photograph 1954

PROJECT NUMBER: 2524013

DATE: April 2005

Doc: Figure 1954.doc

PROJECT MANAGER: MAA

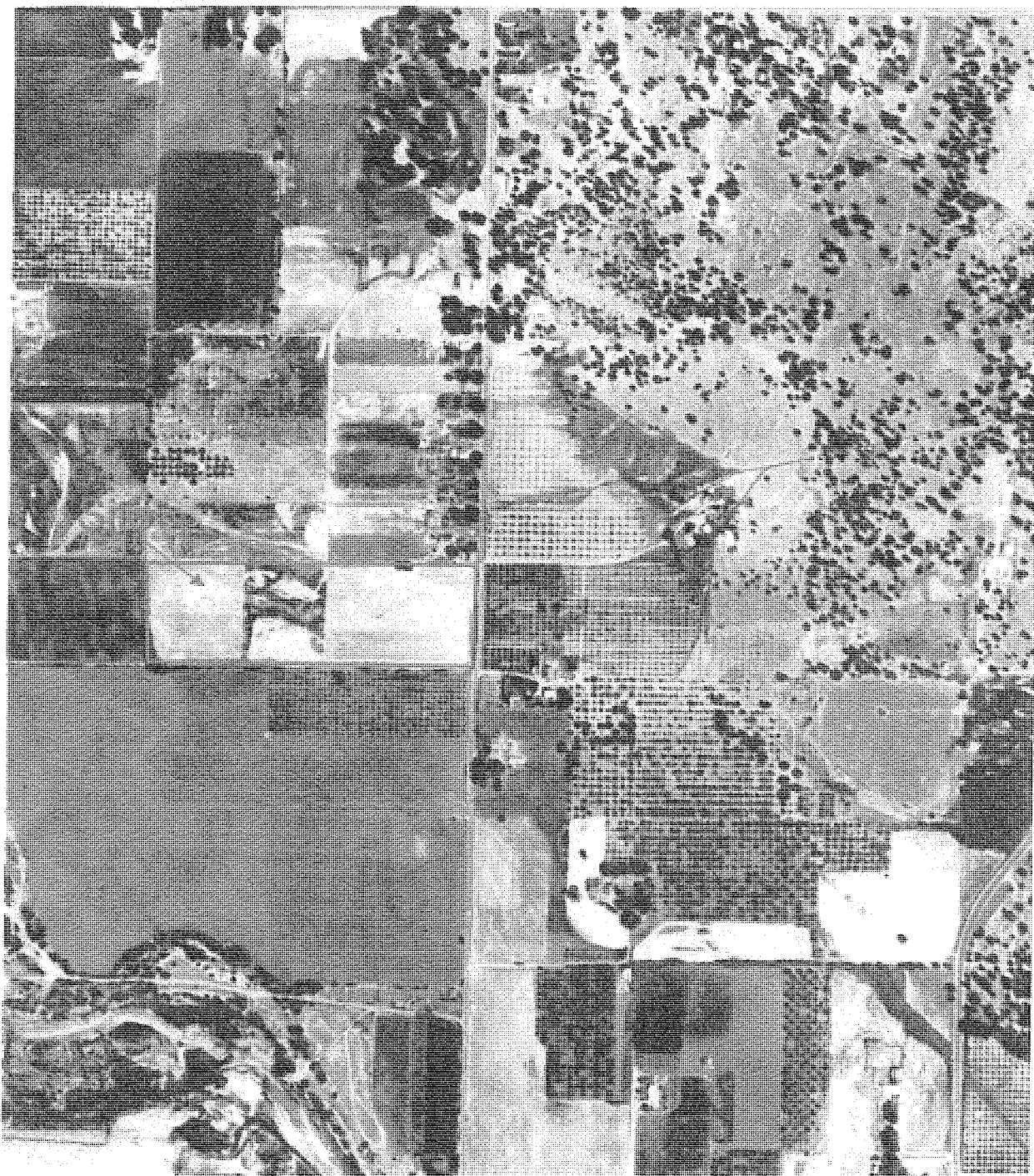
REVISED

5055 Gebhard Road

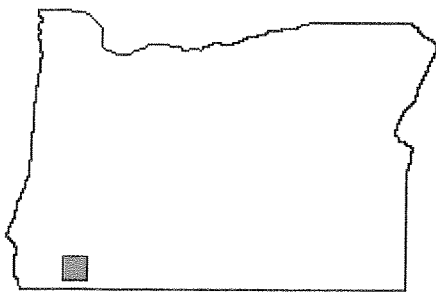
Central Point, Oregon




CASCADE EARTH SCIENCES
A Valmont Industries Company

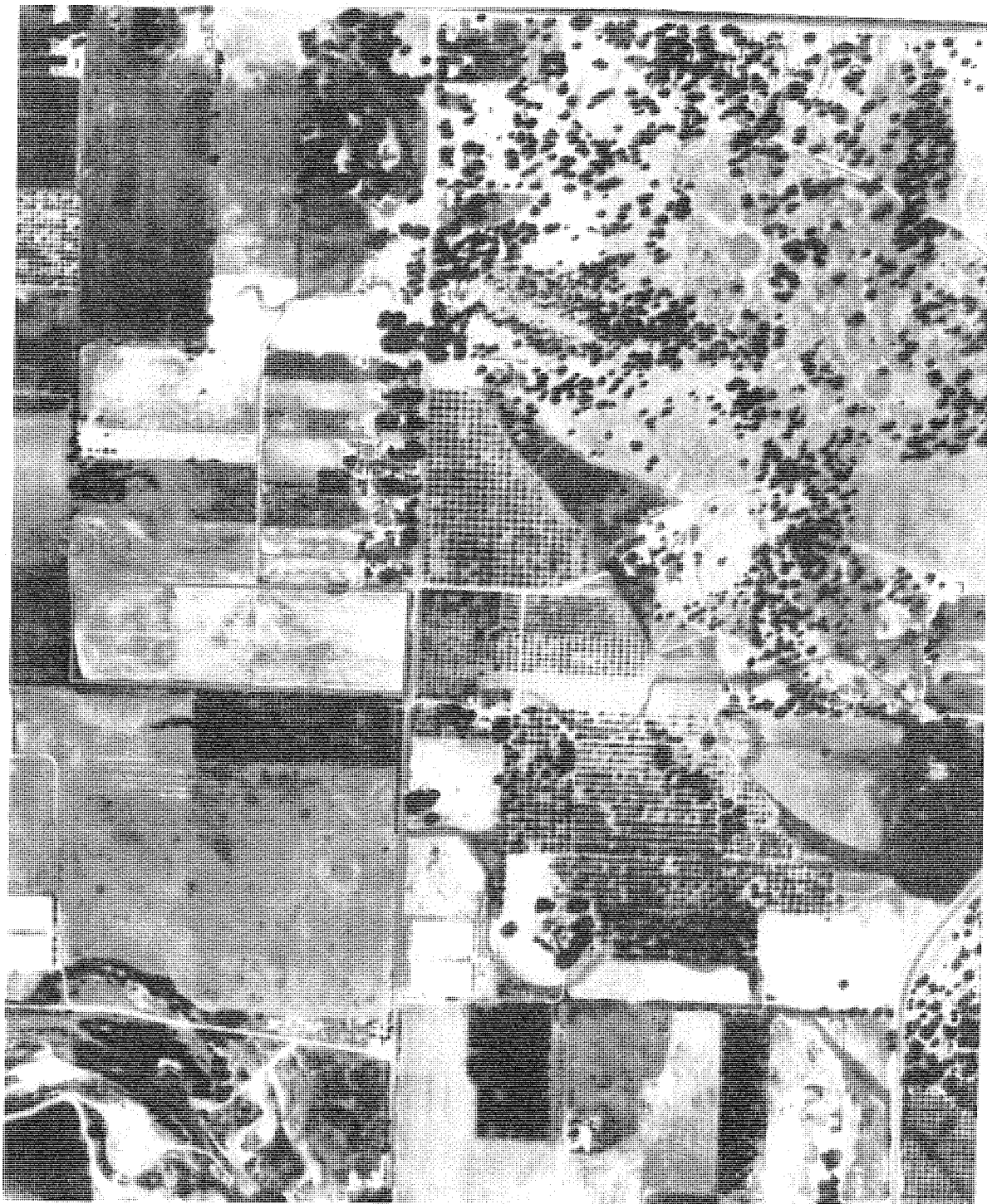


SOURCE: University of Oregon Map library

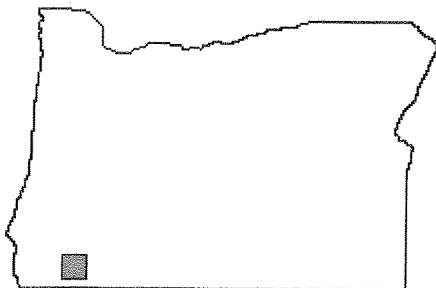


Historical Aerial Photograph 1960


PROJECT NUMBER: 2523013	5055 Gebhard Road
DATE: April 2005	
Doc: Figure 1994 Gebhard	Central Point, Oregon
PROJECT MANAGER: MAA	
REVISED	
 CASCADE EARTH SCIENCES A Valmont Industries Company	

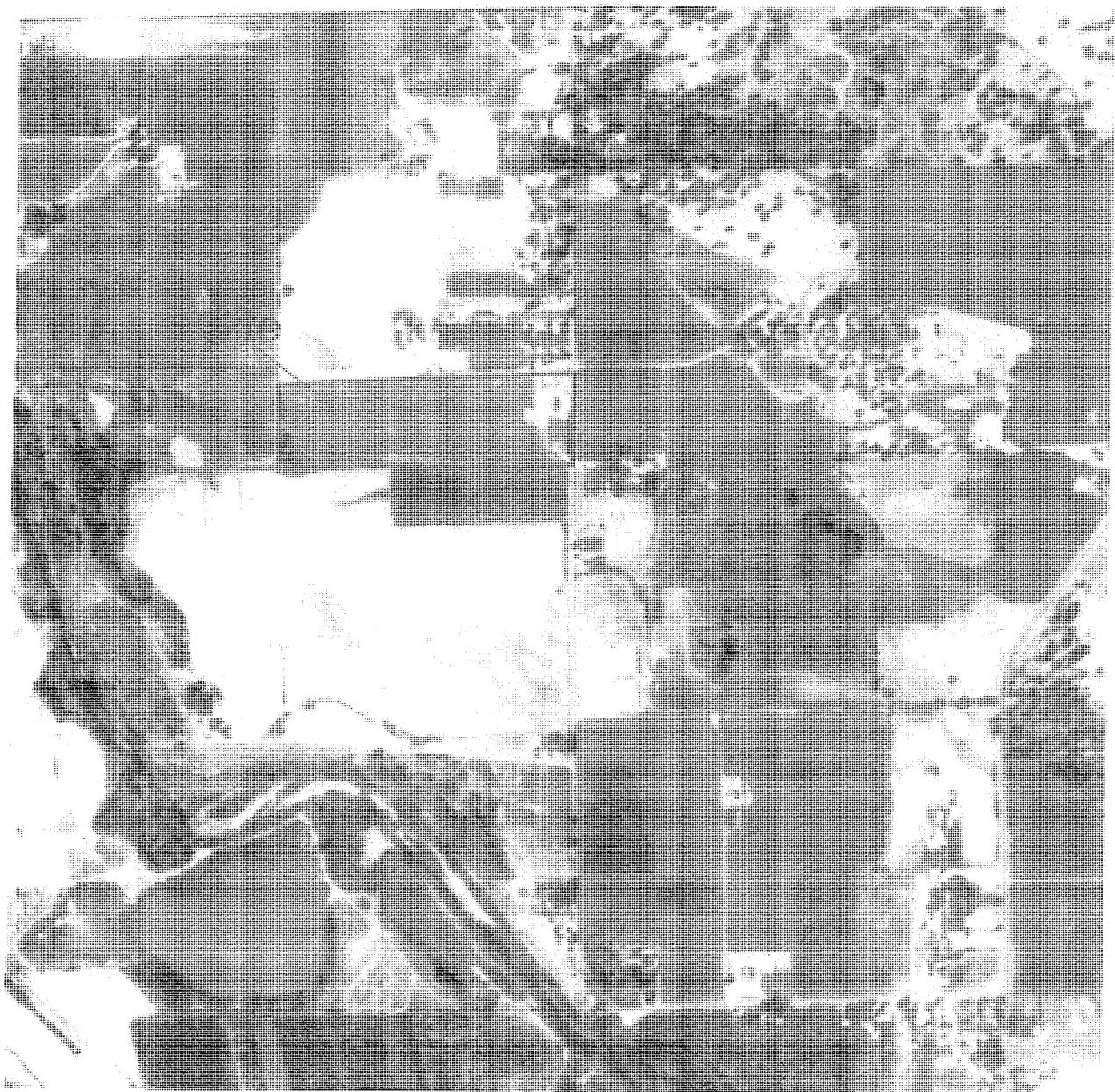


SOURCE: University of Oregon Map library

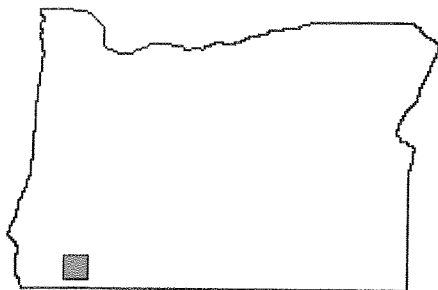


Historical Aerial Photograph 1967


PROJECT NUMBER: 2523013	5055 Gebhard Road
DATE: April 2005	Central Point, Oregon
Doc: Figure 1994 Gebhard	
PROJECT MANAGER: MAA	 CASCADE EARTH SCIENCES A Valmont Industries Company
REVISED	



SOURCE: University of Oregon Map library



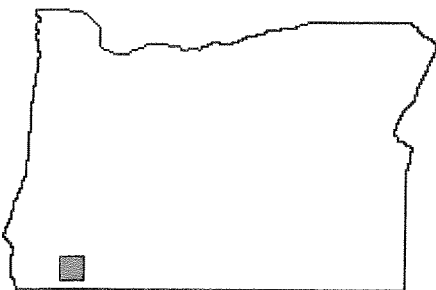
Historical Aerial Photograph 1979

PROJECT NUMBER: 2523013	5055 Gebhard Road
DATE: April 2005	Central Point, Oregon
Doc: Figure 1994 Gebhard	
PROJECT MANAGER: MAA	 CASCADE EARTH SCIENCES A Valmont Industries Company
REVISED	



SOURCE: University of Oregon Map library

Historical Aerial Photograph 1994



PROJECT NUMBER: 2523013	5055 Gebhard Road
DATE: April 2005	
Doc: Figure 1994 Gebhard	Central Point, Oregon
PROJECT MANAGER: MAA	
REVISED	CES CASCADE EARTH SCIENCES A Valmont Industries Company

Appendix C

Results of Soil Sampling Letter Report



Using natural systems to take the waste out of water

Phone: 541.779.2280 Fax: 541.773-4404
225 S. Holly St. Medford, OR 97501

August 24, 2005

Mr. Mike Duncan
Duncan Development LLC
25 S. Front Street
Central Point, Oregon 97502

**SUBJECT: Results of Soil Sampling;
718 Beebe Road, Central Point, Oregon**

Dear Mr. Duncan:

Duncan Developments LLC (Duncan) recently retained Cascade Earth Sciences (CES) to complete an Environmental Transaction Screen (ETS) and subsequent historical aerial photograph review to determine historical land use for the property located at 718 Beebe Road in Central Point, Oregon (Site). Conclusions and recommendations determined the property was used for an orchard prior to 1970.

Former acceptable practices relating to orchards included application of lead and arsenic for fungus control. Since Duncan would like to develop the property for residential use, soil samples were collected from the Site to determine the absence or presence of pesticides and arsenic.

High arsenic concentration was detected in the composite sample. As a result, Duncan requested CES to perform a discrete sampling program to determine if the high arsenic concentration was related to the former orchard or resulted from natural background conditions. This letter reports the results of discrete soil sampling from the former orchard area at the Site.

On August 12, 2005, CES geologist Mary Ann Amann collected 25 discrete samples from six locations at the Site. Four locations were in the former commercial orchard area (labeled BB-A, BB-B, BB-C, and BB-D), one sample was collected near the house where a garden orchard was located (BB-G), and one location in a field outside the orchard area (BB-F). In addition, a background sample was also collected on the property at 5055 Gebbard Road (BB-H), which has similar soils but has not had an orchard on it. The samples were collected at 6-inch intervals beginning from the surface and extending to 2 feet deep resulting in 4 samples from each location. Twenty-two samples were submitted for laboratory analyses of arsenic (per EPA Method 6020A).

The samples are labeled as BB-A1-6, where
BB = Beebe Farms
A1 = Location A; sample 1
6 = depth below ground surface in inches.

Mr. Mike Duncan
Results of Soil Sampling
August 24, 2005
Page 2

The complete laboratory analytical reports are included as Attachment 1. The results show that arsenic was detected in the former commercial orchard at concentrations ranging from 3.07 milligrams per kilogram (mg/Kg) in BB-C4-24 to 32.0 mg/Kg in BB-A2-12. Arsenic concentrations from the samples collected in the field at the Site range from 1.54 mg/Kg (BB-F-24) to 2.12 mg/Kg (BB-F1-6). The samples collected at the Gebbard Road property had arsenic detected at 0.712 mg/Kg and 0.834 mg/Kg.

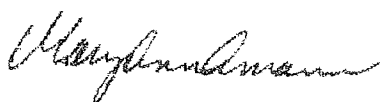
Although all samples exceed the Preliminary Remediation Goals (PRGs) for arsenic in residential soils at 0.39 mg/Kg, the area of the former commercial orchard has concentrations of arsenic 10 to 50 times higher than the other locations. It is likely the high arsenic concentration in this area is related to past orchard activities as the samples from the non-orchard area had much lower concentrations of arsenic and the off-site samples were even lower. To summarize, arsenic concentrations exceed the PRGs and exists at concentrations determined by the EPA to be a potential hazard to human health in a residential setting.

Depending on what the ultimate use of the property will be, some mitigation of the high arsenic concentrations in soil may be necessary in order for development to proceed as intended. CES recommends obtaining advice from legal council who is familiar with environmental law to determine what options are available for the purchase and development of the property.

I appreciate this opportunity to provide you with environmental services. Please do not hesitate to contact me at 541-858-5427 if you have any questions.

Sincerely,

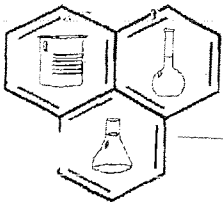
CASCADE EARTH SCIENCES



Mary Ann Amann, RG
Project Manager/Senior Geologist

MAA/sjr

Att: Laboratory Reports
PN: 2524013/002
DOC: Beebe Soils Letter report CO 3



NEILSON RESEARCH CORPORATION

Environmental Testing Laboratory

08/18/05

MaryAnn Amann, RG
Cascade Earth Science
225 S. Holly St.
Medford, OR 97501

AUG 22 2005

TEL: (541) 941-3999

FAX (541) 773-4404

RE: 2524013 - Beebe Road

Dear MaryAnn Amann, RG:

Order No.: 0508397

Neilson Research Corporation received 22 sample(s) on 08/15/05 for the analyses presented in the following report.

The results relate only to the parameters tested or to the sample as received by the laboratory. This report shall not be reproduced except in full, without the written approval of Neilson Research Corporation. If you have any questions regarding these test results, please feel free to call.

Sincerely,
Neilson Research Corporation

Fay L. Fowler
Project Manager

Neilson Research Corporation

245 South Grape Street, Medford, Oregon 97501 541-770-5678 Fax 541-770-2901

Analysis Report

ORREG014001
EPA/OREG0022

CLIENT: Cascade Earth Science
Project: 2524013 - Beebe Road
Lab Order: 0508397

Date: 18-Aug-05

CASE NARRATIVE

The analyses were performed according to the guidelines in the Neilson Research Corporation Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory.

Neilson Research Corporation certifies that this report is in compliance with the requirements of NELAP. No unusual difficulties were experienced during analysis of this batch except as noted below or qualified with data flags on the reports.

Analytical Comments for METHOD ICPMS_6020A_S, SAMPLE 0508397-01A MS and MSD: Low recovery due to matrix interference and dilution required for analysis

Analytical Comments for METHOD ICPMS_6020A_S, SAMPLE 0508397-21A MS and MSD: Low recovery due to matrix interference and dilution required for analysis

Wilson Research Corporation

Date: 18-Aug-05

CLIENT: Cascade Earth Science
Project: 2524013 - Beebe Road

Lab Order: 0508397

Lab ID: 0508397-01
Client Sample ID: BB - A1 - 6
Collection Date: 08/11/05 8:30:00 AM
Matrix: SOLID

Analyses	Result	MRL	Qual	Units	DF	Date Analyzed
TRACE METALS BY ICP-MS		EPA 6020A	(EPA 3050B)			Analyst: JN
Arsenic	12.5	0.540		mg/Kg	10.84	08/16/05 9:16:00 PM

Lab ID: 0508397-02
Client Sample ID: BB - A2 - 12
Collection Date: 08/12/05 5:05:00 PM
Matrix: SOLID

Analyses	Result	MRL	Qual	Units	DF	Date Analyzed
TRACE METALS BY ICP-MS		EPA 6020A	(EPA 3050B)			Analyst: JN
Arsenic	32.0	0.545		mg/Kg	10.84	08/16/05 9:23:00 PM

Lab ID: 0508397-03
Client Sample ID: BB - A3 - 18
Collection Date: 08/12/05 5:10:00 PM
Matrix: SOLID

Analyses	Result	MRL	Qual	Units	DF	Date Analyzed
TRACE METALS BY ICP-MS		EPA 6020A	(EPA 3050B)			Analyst: JN
Arsenic	28.7	0.546		mg/Kg	10.84	08/16/05 9:32:00 PM

Lab ID: 0508397-04
Client Sample ID: BB - A4 - 24
Collection Date: 08/12/05 5:15:00 PM
Matrix: SOLID

Analyses	Result	MRL	Qual	Units	DF	Date Analyzed
TRACE METALS BY ICP-MS		EPA 6020A	(EPA 3050B)			Analyst: JN
Arsenic	15.8	0.544		mg/Kg	10.84	08/16/05 9:41:00 PM

Lab ID: 0508397-05
Client Sample ID: BB - B1 - 6
Collection Date: 08/12/05 4:10:00 PM
Matrix: SOLID

Analyses	Result	MRL	Qual	Units	DF	Date Analyzed
TRACE METALS BY ICP-MS		EPA 6020A	(EPA 3050B)			Analyst: JN
Arsenic	25.6	0.544		mg/Kg	10.84	08/16/05 9:49:00 PM

Lab ID: 0508397-06
Client Sample ID: BB - B2 - 12
Collection Date: 08/12/05 4:15:00 PM
Matrix: SOLID

Analyses	Result	MRL	Qual	Units	DF	Date Analyzed
TRACE METALS BY ICP-MS		EPA 6020A	(EPA 3050B)			Analyst: JN
Arsenic	26.5	0.546		mg/Kg	10.84	08/16/05 9:58:00 PM

- Qualifiers:
- * Value exceeds Maximum Contaminant Level
 - E Value above quantitation range
 - J Analyte detected below quantitation limits
 - S Spike Recovery outside accepted recovery limits
 - B Analyte detected in the associated Method Blank
 - H Holding times for preparation or analysis exceeded
 - ND Not Detected at the Minimum Reporting Limit

Neilson Research Corporation

Date: 18-Aug-05

CLIENT: Cascade Earth Science
Project: 2524013 - Beebe Road

Lab Order: 0508397

Lab ID: 0508397-07
Client Sample ID: BB - B3 - 18

Collection Date: 08/12/05 4:18:00 PM
Matrix: SOLID

Analyses	Result	MRL	Qual	Units	DF	Date Analyzed
TRACE METALS BY ICP-MS		EPA 6020A		(EPA 3050B)		Analyst: JN
Arsenic	17.6	0.535		mg/Kg	10.84	08/16/05 10:07:00 PM

Lab ID: 0508397-08
Client Sample ID: BB - C1 - 6

Collection Date: 08/12/05 3:50:00 PM
Matrix: SOLID

Analyses	Result	MRL	Qual	Units	DF	Date Analyzed
TRACE METALS BY ICP-MS		EPA 6020A		(EPA 3050B)		Analyst: JN
Arsenic	7.68	0.535		mg/Kg	10.84	08/16/05 10:16:00 PM

Lab ID: 0508397-09
Client Sample ID: BB - C2 - 12

Collection Date: 08/12/05 3:55:00 PM
Matrix: SOLID

Analyses	Result	MRL	Qual	Units	DF	Date Analyzed
TRACE METALS BY ICP-MS		EPA 6020A		(EPA 3050B)		Analyst: JN
Arsenic	5.38	0.546		mg/Kg	10.84	08/16/05 10:25:00 PM

Lab ID: 0508397-10
Client Sample ID: BB - F1 - 6

Collection Date: 08/12/05 3:30:00 PM
Matrix: SOLID

Analyses	Result	MRL	Qual	Units	DF	Date Analyzed
TRACE METALS BY ICP-MS		EPA 6020A		(EPA 3050B)		Analyst: JN
Arsenic	2.12	0.541		mg/Kg	10.84	08/16/05 10:34:00 PM

Lab ID: 0508397-11
Client Sample ID: BB - F2 - 12

Collection Date: 08/12/05 3:35:00 PM
Matrix: SOLID

Analyses	Result	MRL	Qual	Units	DF	Date Analyzed
TRACE METALS BY ICP-MS		EPA 6020A		(EPA 3050B)		Analyst: JN
Arsenic	1.66	0.536		mg/Kg	10.84	08/16/05 10:55:00 PM

Lab ID: 0508397-12
Client Sample ID: BB - F3 - 18

Collection Date: 08/12/05 3:40:00 PM
Matrix: SOLID

Analyses	Result	MRL	Qual	Units	DF	Date Analyzed
TRACE METALS BY ICP-MS		EPA 6020A		(EPA 3050B)		Analyst: JN
Arsenic	1.72	0.541		mg/Kg	10.84	08/16/05 11:04:00 PM

- Qualifiers:
- * Value exceeds Maximum Contaminant Level
 - E Value above quantitation range
 - J Analyte detected below quantitation limits
 - S Spike Recovery outside accepted recovery limits
 - B Analyte detected in the associated Method Blank
 - H Holding times for preparation or analysis exceeded
 - ND Not Detected at the Minimum Reporting Limit

Neilson Research Corporation

Date: 18-Aug-05

CLIENT: Cascade Earth Science
Project: 2524013 - Beebe Road

Lab Order: 0508397

Lab ID: 0508397-13
Client Sample ID: BB - F4 - 24

Collection Date: 08/12/05 3:45:00 PM
Matrix: SOLID

Analyses	Result	MRL	Qual	Units	DF	Date Analyzed
TRACE METALS BY ICP-MS						
Arsenic	1.54	EPA 6020A	(EPA 3050B)	mg/Kg	10.84	Analyst: JN 08/16/05 11:13:00 PM
		0.537				

Lab ID: 0508397-14
Client Sample ID: BB - G2 - 12

Collection Date: 08/12/05 4:00:00 PM
Matrix: SOLID

Analyses	Result	MRL	Qual	Units	DF	Date Analyzed
TRACE METALS BY ICP-MS						
Arsenic	2.28	EPA 6020A	(EPA 3050B)	mg/Kg	10.84	Analyst: JN 08/16/05 11:22:00 PM
		0.533				

Lab ID: 0508397-15
Client Sample ID: BB - H1 - 6

Collection Date: 08/11/05 6:00:00 PM
Matrix: SOLID

Analyses	Result	MRL	Qual	Units	DF	Date Analyzed
TRACE METALS BY ICP-MS						
Arsenic	0.712	EPA 6020A	(EPA 3050B)	mg/Kg	10.84	Analyst: JN 08/16/05 11:30:00 PM
		0.545				

Lab ID: 0508397-16
Client Sample ID: BB - H2 - 12

Collection Date: 08/11/05 6:05:00 PM
Matrix: SOLID

Analyses	Result	MRL	Qual	Units	DF	Date Analyzed
TRACE METALS BY ICP-MS						
Arsenic	0.834	EPA 6020A	(EPA 3050B)	mg/Kg	10.84	Analyst: JN 08/16/05 11:39:00 PM
		0.546				

Lab ID: 0508397-17
Client Sample ID: BB - C3 - 18

Collection Date: 08/12/05 4:00:00 PM
Matrix: SOLID

Analyses	Result	MRL	Qual	Units	DF	Date Analyzed
TRACE METALS BY ICP-MS						
Arsenic	4.08	EPA 6020A	(EPA 3050B)	mg/Kg	10.84	Analyst: JN 08/16/05 11:48:00 PM
		0.540				

Lab ID: 0508397-18
Client Sample ID: BB - C4 - 24

Collection Date: 08/12/05 4:05:00 PM
Matrix: SOLID

Analyses	Result	MRL	Qual	Units	DF	Date Analyzed
TRACE METALS BY ICP-MS						
Arsenic	3.07	EPA 6020A	(EPA 3050B)	mg/Kg	10.84	Analyst: JN 08/16/05 11:57:00 PM
		0.548				

- Qualifiers:**
- * Value exceeds Maximum Contaminant Level
 - E Value above quantitation range
 - J Analyte detected below quantitation limits
 - S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Minimum Reporting Limit

Jeilson Research Corporation

Date: 18-Aug-05

CLIENT: Cascade Earth Science
 Project: 2524013 - Beebe Road

Lab Order: 0508397

Lab ID: 0508397-19
 Client Sample ID: BB - D1 - 6

Collection Date: 08/12/05 4:20:00 PM
 Matrix: SOLID

Analyses	Result	MRL	Qual	Units	DF	Date Analyzed
TRACE METALS BY ICP-MS		EPA 6020A		(EPA 3050B)		Analyst: JN
Arsenic	11.0	0.535		mg/Kg	10.84	08/17/05 12:06:00 AM

Lab ID: 0508397-20
 Client Sample ID: BB - D2 - 12

Collection Date: 08/12/05 4:25:00 PM
 Matrix: SOLID

Analyses	Result	MRL	Qual	Units	DF	Date Analyzed
TRACE METALS BY ICP-MS		EPA 6020A		(EPA 3050B)		Analyst: JN
Arsenic	7.22	0.552		mg/Kg	10.84	08/17/05 12:14:00 AM

Lab ID: 0508397-21
 Client Sample ID: BB - D3 - 18

Collection Date: 08/12/05 4:30:00 PM
 Matrix: SOLID

Analyses	Result	MRL	Qual	Units	DF	Date Analyzed
TRACE METALS BY ICP-MS		EPA 6020A		(EPA 3050B)		Analyst: JN
Arsenic	3.58	0.536		mg/Kg	10.84	08/17/05 1:03:00 AM

Lab ID: 0508397-22
 Client Sample ID: BB - D4 - 24

Collection Date: 08/12/05 4:35:00 PM
 Matrix: SOLID

Analyses	Result	MRL	Qual	Units	DF	Date Analyzed
TRACE METALS BY ICP-MS		EPA 6020A		(EPA 3050B)		Analyst: JN
Arsenic	3.75	0.535		mg/Kg	10.84	08/17/05 1:12:00 AM

- Qualifiers:
- * Value exceeds Maximum Contaminant Level
 - E Value above quantitation range
 - J Analyte detected below quantitation limits
 - S Spike Recovery outside accepted recovery limits
 - B Analyte detected in the associated Method Blank
 - H Holding times for preparation or analysis exceeded
 - ND Not Detected at the Minimum Reporting Limit

CLIENT: Cascade Earth Science
 Work Order: 0508397
 Project: 2524013 - Beebe Road

Date: 18-Aug-05

ANALYTICAL QC SUMMARY REPORT

TestCode: ICPMS_6020A_S

Sample ID: MB - 9265	SampType: MBLK	TestCode: ICPMS_6020	Units: mg/Kg	Prep Date: 08/15/05	RunNo: 26319						
Client ID: ZZZZZ	Batch ID: 9265	TestNo: EPA 6020A	(EPA 3050B)	Analysis Date: 08/16/05	SeqNo: 399479						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0500									

Sample ID: MB - 9266	SampType: MBLK	TestCode: ICPMS_6020	Units: mg/Kg	Prep Date: 08/15/05	RunNo: 26319						
Client ID: ZZZZZ	Batch ID: 9266	TestNo: EPA 6020A	(EPA 3050B)	Analysis Date: 08/17/05	SeqNo: 399507						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0500									

Sample ID: LCS - 9265	SampType: LCS	TestCode: ICPMS_6020	Units: mg/Kg	Prep Date: 08/15/05	RunNo: 26319						
Client ID: ZZZZZ	Batch ID: 9265	TestNo: EPA 6020A	(EPA 3050B)	Analysis Date: 08/16/05	SeqNo: 399480						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	9.731	0.0500	10	0.007849	97.2	85	115				

Sample ID: LCS - 9266	SampType: LCS	TestCode: ICPMS_6020	Units: mg/Kg	Prep Date: 08/15/05	RunNo: 26319						
Client ID: ZZZZZ	Batch ID: 9266	TestNo: EPA 6020A	(EPA 3050B)	Analysis Date: 08/17/05	SeqNo: 399508						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	9.851	0.0500	10	0	98.5	85	115				

Sample ID: 0508397-01AMS	SampType: MS	TestCode: ICPMS_6020	Units: mg/Kg	Prep Date: 08/15/05	RunNo: 26319						
Client ID: BB - A1 - 6	Batch ID: 9265	TestNo: EPA 6020A	(EPA 3050B)	Analysis Date: 08/17/05	SeqNo: 399503						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.668	0.533	9.827	12.49	-100	70	130				MI

Qualifiers: E Value above quantitation range
 ND Not Detected at the Minimum Reporting Limit
 H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

INEL Research Corporation

Date: 18-Aug-05

CLIENT: Cascade Earth Science
Work Order: 0508397
Project: 2524013 - Beebe Road

ANALYTICAL QC SUMMARY REPORT

TestCode: ICPMS_6020A_S

Sample ID: 0508397-21AMS	SampType: MS	TestCode: ICPMS_6020	Units: mg/Kg	Prep Date: 08/15/05	RunNo: 26319						
Client ID: BB - D3 - 18	Batch ID: 9266	TestNo: EPA 6020A	(EPA 3050B)	Analysis Date: 08/17/05	SeqNo: 399511						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	9.326	0.550	10.15	3.584	56.6	70	130				MI

Sample ID: 0508397-01AMS	SampType: MSD	TestCode: ICPMS_6020	Units: mg/Kg	Prep Date: 08/15/05	RunNo: 26319						
Client ID: BB - A1 - 6	Batch ID: 9265	TestNo: EPA 6020A	(EPA 3050B)	Analysis Date: 08/17/05	SeqNo: 399504						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	12.46	0.541	9.988	12.49	-0.292	70	130	2.668	129	25	MI

Sample ID: 0508397-21AMS	SampType: MSD	TestCode: ICPMS_6020	Units: mg/Kg	Prep Date: 08/15/05	RunNo: 26319						
Client ID: BB - D3 - 18	Batch ID: 9266	TestNo: EPA 6020A	(EPA 3050B)	Analysis Date: 08/17/05	SeqNo: 399512						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	8.852	0.544	10.03	3.584	52.5	70	130	9.326	5.21	25	MI

Qualifiers: E Value above quantitation range
 H Holding times for preparation or analysis exceeded
 J Analyte detected below quantitation limits
 ND Not Detected at the Minimum Reporting Limit
 P RPD outside accepted recovery limits
 S Spike Recovery outside accepted recovery limits



NEILSON RESEARCH CORPORATION

245 S. GRAPE ST. * MEDFORD, OR 97501-3123 * (541) 770-5678 * FAX (541) 770-2901
 Environmental Testing Laboratory

Chain of Custody Record

Date 8/2/05 Page 1 of 3

Attention: Mary Ann Amann
 Results and Invoice to: CES
 Address: _____
 Phone: _____
 Sampled By: Mary Ann Amann
 Fax #: _____ P.O. #: _____

REPORTING REQUEST
 Preliminary: Fax Verbal
 Final: Written Fax
 RUSH REQUEST: 24-48 hrs. (100% sur)
 5 days (50% sur) Standard 10-14 days
 Other _____

PROJECT INFORMATION
 Project Number: 2524013
 Project Name: BEEBE Road
 Attention: Mary Ann Amann
 Address: 225 S. Holly
Medford
 Phone: 941 3997

SPECIAL INSTRUCTIONS:
5 Day -
 4°C
 EPA VIALS WITH TEFLON LIDS

 FIELD BLANK INCLUDED: YES NO

ANALYSIS REQUEST
 NO. OF CONTAINERS
Arsenic total
1
1
1
1
1
1
1
1
1
1

LAB ID	SAMPLE ID	DATE	TIME	SOIL/WATER OTHER	DEPTH	REMARKS/SAMPLE CONDITION
01A	BB-A1-6	8/1/05	0830	S		
02A	BB-A2-12	8/2/05	1705			
03A	BB-A3-18		1710			
04A	BB-A4-24		1715			
05A	BB-B1-6		1610			
06A	BB-B2-12		1605			
07A	BB-B3-18		1618			
	BB-B4-24					
08A	BB-C1-6		0530			
09A	BB-C2-12		1535			

RELINQUISHED BY (Sign and Print) _____ **DATE/TIME** _____
RECEIVED BY (Sign) _____ **DATE/TIME** 8/2/05 0830

SAMPLE DISPOSAL
 NRC disposal of non-contaminated
 Return Pick up
CHAIN OF CUSTODY SEALS Y/N/NA _____
SHIPPED VIA: UPS Fed-Ex Bus Hand

Note: See Standard Terms & Conditions on reverse side of this form.

Chain of Custody Record

NEILSON RESEARCH CORPORATION

245 S. GRAPE ST. * MEDFORD, OR 97501-3123 * (541) 770-5678 * FAX (541) 770-2901
 Environmental Testing Laboratory

Date 8/26/05 Page 2 of 3

PROJECT INFORMATION

Project Number: 2524013

Project Name: _____

Attention: _____

Address: _____

Phone: _____

SPECIAL INSTRUCTIONS:

ANALYSIS REQUEST

NO. OF CONTAINERS	ANALYSIS REQUEST
<u>X</u>	<u>Artesia 2001</u>
<u>X</u>	
<u>X</u>	
<u>X</u>	
<u>X</u>	
<u>X</u>	
<u>X</u>	
<u>X</u>	
<u>X</u>	
<u>X</u>	
<u>X</u>	
<u>X</u>	

REPORTING REQUEST

Preliminary: Fax Verbal

Final: Written Fax

RUSH REQUEST: 24-48 hrs. (100% sur)
 5 days (50% sur) Standard 10-14 days
 Other _____

CAB ID	SAMPLE ID	DATE	TIME	SOIL/WATER OTHER	DEPTH	REMARKS/SAMPLE CONDITION
<u>17A</u>	<u>BB-C3-18</u>	<u>8/26/05</u>	<u>1600</u>	<u>Soil</u>		
<u>18A</u>	<u>BB-C4-24</u>		<u>1605</u>			<u>Hold</u>
<u>19A</u>	<u>BB-D1-6</u>		<u>1620</u>			
<u>20A</u>	<u>BB-D2-12</u>		<u>1625</u>			
<u>21A</u>	<u>BB-D3-18</u>		<u>1630</u>			
<u>22A</u>	<u>BB-D4-24</u>		<u>1635</u>			<u>Hold</u>
<u>BB-D5-30</u>						<u>Hold</u>

RELINQUISHED BY (Sign and Print)

Mary Ann... [Signature]

RECEIVED BY (Sign)

[Signature]

DATE/TIME: 8/18/05 - 0830

SAMPLE DISPOSAL:
 NRC disposal of non-contaminated
 Return Pick up

Note: See Standard Terms & Conditions on reverse side of this form



NEILSON RESEARCH CORPORATION

245 S. GRAPE ST. * MEDFORD, OR 97501-3123 * (541) 770-5678 * FAX (541) 770-2901
Environmental Testing Laboratory

Chain of Custody Record

Date 8/15/05 Page 3 of 3

Attention: _____
 Results and Invoice to: _____
 Address: _____
 Phone: _____ Sampled By: _____
 Fax #: _____ P.O. #: _____

REPORTING REQUEST

Preliminary: Fax Verbal
 E-mail: Written Fax

RUSH REQUEST: 24-48 hrs. (100% sur)
 5 days (50% sur) Standard 10-14 days
 Other _____

508397-

PROJECT INFORMATION

Project Number: 2524013
 Project Name: BB
 Attention: Manuela
 Address: _____
 Phone: _____

SPECIAL INSTRUCTIONS:

4°C
 EPA JARS/VIALS WITH TEFLON LIDS

 FIELD BLANK INCLUDED: YES NO

LAB ID	SAMPLE ID	DATE	TIME	SOIL/WATER OTHER	NO. OF CONTAINERS As per 200.8	ANALYSIS REQUEST												DEPTH	REMARKS/SAMPLE CONDITION
						1	2	3	4	5	6	7	8	9	10	11	12		
TOA	BB-F1-6	8/12/05	1530	Soil	1														
11A	BB-F2-12	}	1535		1														
12A	BB-F3-18		1570		1														
13A	BB-F4-24		1575		1														
	BB-61-6				1														
14A	BB-62-12		1600		1														
15A	BB-H1-6	8/11/05	1800		1														
16A	BB-H2-12	8/11/05	1805		1														

RELINQUISHED BY (Sign and Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
<u>Manuela</u>	<u>8/15/05</u>	<u>[Signature]</u>	<u>8/15/05</u>

Note: See Standard Terms & Conditions on reverse side of this form.

SAMPLE DISPOSAL

NRC disposal of non-contaminated
 Return Pick up

CHAIN OF CUSTODY SEALS YIN/NA _____
 SHIPPED VIA: UPS Fed-Ex Bus Hand

Appendix D

Groundwater Sampling Boring Logs – June 2006



Boring Location: **See Figure 2**

Surface Elevation: **Not Surveyed**

Drilling Contractor: **Bergeson-Boese**

Date Started: **6/29/06**

Drilling Method: **5 Foot Push Probe (Acetate Lined)**

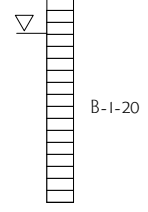
Date Finished: **6/29/06**

Drilling Equipment: **Geoprobe 6600**

Logged By: **KKB**

Depth to Water (ATD): **15.6'**

Depth, feet	Sample ID	Sample	Sample Recovery	PID Screening	Sheen	Material Description	Remarks:
0						Grass surface with trace gravel to 1.0 foot.	No staining or odor over full depth of boring.
0 - 5						CLAY; brown, dry, slightly sandy, (medium stiff).	
5 - 10						SAND; brown, moist, medium-grained, clayey, gravelly, (medium dense).	
10 - 15						Becomes wet and more clayey at end of soil core.	
15 - 20						CLAY; brown, wet, gravelly, sandy, (medium stiff).	
20						Boring Terminated at 20.0' BGS.	





Boring Location: **See Figure 2**

Surface Elevation: **Not Surveyed**

Drilling Contractor: **Bergeson-Boese**

Date Started: **6/29/06**

Drilling Method: **5 Foot Push Probe (Acetate Lined)**

Date Finished: **6/29/06**

Drilling Equipment: **Geoprobe 6600**

Logged By: **KKB**

Depth to Water (ATD): **9.0'**

Depth, feet	Sample ID	Sample	Sample Recovery	PID Screening	Sheen	Material Description	Remarks:
0							
5						CLAY; brown, moist, (stiff).	<p>No staining or odor over full depth of boring.</p> <p>B-2-15</p>
10					<ul style="list-style-type: none"> Becomes sandy. Becomes wet at end of soil core. 		
15					GRAVEL; brown-gray, wet, clayey, (medium dense).		
15					SAND; brown, wet, slightly clayey, sandy, (medium dense).		
15						Boring Terminated at 15.0' BGS.	
20							
25							
30							
35							



Boring Location: **See Figure 2**

Surface Elevation: **Not Surveyed**

Drilling Contractor: **Bergeson-Boese**

Date Started: **6/29/06**

Drilling Method: **5 Foot Push Probe (Acetate Lined)**

Date Finished: **6/29/06**

Drilling Equipment: **Geoprobe 6600**

Logged By: **KKB**

Depth to Water (ATD): **9.5'**

Depth, feet	Sample ID	Sample	Sample Recovery	PID Screening	Sheen	Material Description	Remarks:
0						CLAY; brown, moist, (stiff).	<p>No staining or odor over full depth of boring.</p> <p>B-3-15</p>
5					SAND; brown, moist, slightly gravelly, clayey, (medium dense). Becomes wet at end of soil core. Becomes gravelly with trace clay.		
10					Boring Terminated at 15.0' BGS.		
15							
20							
25							
30							
35							



Boring Location: **See Figure 2**

Surface Elevation: **Not Surveyed**

Drilling Contractor: **Bergeson-Boese**

Date Started: **6/29/06**

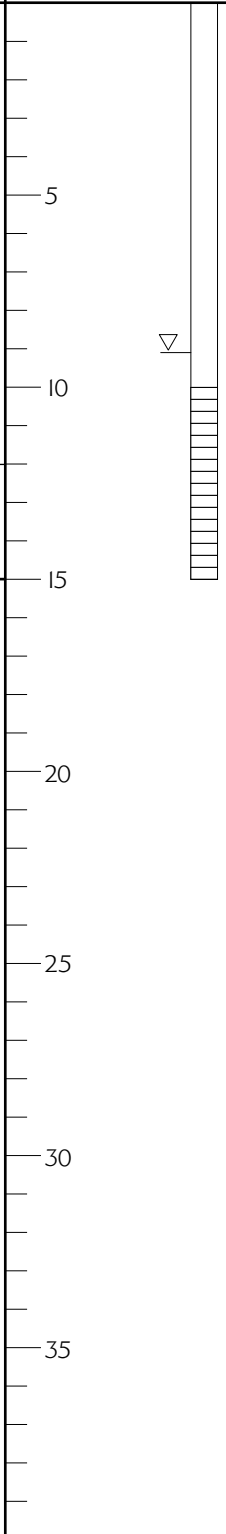
Drilling Method: **5 Foot Push Probe (Acetate Lined)**

Date Finished: **6/29/06**

Drilling Equipment: **Geoprobe 6600**

Logged By: **KKB**

Depth to Water (ATD): **9.1'**

Depth, feet	Sample ID	Sample	Sample Recovery	PID Screening	Sheen	Material Description	Remarks:
5 10 15 20 25 30 35						<p>CLAY; brown, moist, (stiff).</p> <p>Sandy from 5.5 to 5.7 feet. Sandy from 6.0 to 6.25 feet.</p> <p>GRAVEL; brown, wet, silty, sandy, (medium dense).</p> <p>Boring Terminated at 15.0' BGS.</p>	<p>No staining or odor over full depth of boring.</p>  <p>B-4-15</p>

Appendix E

**Laboratory Data Report and
Chain of Custody Documentation – November 2005**



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210

Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290

Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210

Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

December 01, 2005

Michael Pickering
Ash Creek Associates, Inc.
9615 SW Allen Blvd. Suite 106
Beaverton, OR 97005

RE: Medford

Enclosed are the results of analyses for samples received by the laboratory on 11/15/05 14:20.
The following list is a summary of the NCA Work Orders contained in this report.
If you have any questions concerning this report, please feel free to contact me.

<u>Work</u>	<u>Project</u>	<u>ProjectNumber</u>
P5K0632	Medford	[none]

Thank You,

Lisa Domenighini, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name:	Medford	<u>Report Created:</u> 12/01/05 16:43
	Project Number:	[none]	
	Project Manager:	Michael Pickering	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TP-1/S-1	P5K0632-01	Soil	11/09/05 11:00	11/15/05 14:20
TP-1/S-2	P5K0632-02	Soil	11/09/05 11:00	11/15/05 14:20
TP-1/S-3	P5K0632-03	Soil	11/09/05 11:00	11/15/05 14:20
TP-1/S-4	P5K0632-04	Soil	11/09/05 11:00	11/15/05 14:20
TP-1/S-5	P5K0632-05	Soil	11/09/05 11:00	11/15/05 14:20
TP-2/S-1	P5K0632-06	Soil	11/09/05 11:23	11/15/05 14:20
TP-2/S-2	P5K0632-07	Soil	11/09/05 11:23	11/15/05 14:20
TP-2/S-3	P5K0632-08	Soil	11/09/05 11:23	11/15/05 14:20
TP-2/S-4	P5K0632-09	Soil	11/09/05 11:23	11/15/05 14:20
TP-2/S-5	P5K0632-10	Soil	11/09/05 11:23	11/15/05 14:20
TP-3/S-1	P5K0632-11	Soil	11/09/05 11:23	11/15/05 14:20
TP-3/S-2	P5K0632-12	Soil	11/09/05 11:23	11/15/05 14:20
TP-3/S-3	P5K0632-13	Soil	11/09/05 11:23	11/15/05 14:20
TP-3/S-4	P5K0632-14	Soil	11/09/05 11:23	11/15/05 14:20
TP-3/S-5	P5K0632-15	Soil	11/09/05 11:23	11/15/05 14:20
TP-4/S-1	P5K0632-16	Soil	11/09/05 12:32	11/15/05 14:20
TP-4/S-2	P5K0632-17	Soil	11/09/05 12:32	11/15/05 14:20
TP-4/S-3	P5K0632-18	Soil	11/09/05 12:32	11/15/05 14:20
TP-4/S-4	P5K0632-19	Soil	11/09/05 12:32	11/15/05 14:20
TP-4/S-5	P5K0632-20	Soil	11/09/05 12:32	11/15/05 14:20
TP-5/S-1	P5K0632-21	Soil	11/09/05 13:00	11/15/05 14:20
TP-5/S-2	P5K0632-22	Soil	11/09/05 13:00	11/15/05 14:20
TP-5/S-3	P5K0632-23	Soil	11/09/05 13:00	11/15/05 14:20
TP-5/S-4	P5K0632-24	Soil	11/09/05 13:00	11/15/05 14:20
TP-5/S-5	P5K0632-25	Soil	11/09/05 13:00	11/15/05 14:20
TP-6/S-1	P5K0632-26	Soil	11/09/05 13:44	11/15/05 14:20
TP-6/S-2	P5K0632-27	Soil	11/09/05 13:44	11/15/05 14:20
TP-6/S-3	P5K0632-28	Soil	11/09/05 13:44	11/15/05 14:20
TP-6/S-4	P5K0632-29	Soil	11/09/05 13:44	11/15/05 14:20
TP-6/S-5	P5K0632-30	Soil	11/09/05 13:44	11/15/05 14:20
TP-7/S-1	P5K0632-31	Soil	11/09/05 14:24	11/15/05 14:20
TP-7/S-2	P5K0632-32	Soil	11/09/05 14:24	11/15/05 14:20
TP-7/S-3	P5K0632-33	Soil	11/09/05 14:24	11/15/05 14:20
TP-7/S-4	P5K0632-34	Soil	11/09/05 14:24	11/15/05 14:20
TP-7/S-5	P5K0632-35	Soil	11/09/05 14:24	11/15/05 14:20
TP-8/S-1	P5K0632-36	Soil	11/09/05 08:10	11/15/05 14:20
TP-8/S-2	P5K0632-37	Soil	11/09/05 08:10	11/15/05 14:20

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420.9200 fax: (425) 420.9210

Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
phone: (509) 924.9200 fax: (509) 924.9290

Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
phone: (503) 906.9200 fax: (503) 906.9210

Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 383.9310 fax: 541.382.7588

Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: Medford	<u>Report Created:</u> 12/01/05 16:43
	Project Number: [none]	
	Project Manager: Michael Pickering	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TP-8/S-3	P5K0632-38	Soil	11/09/05 08:10	11/15/05 14:20
TP-8/S-4	P5K0632-39	Soil	11/09/05 08:10	11/15/05 14:20
TP-8/S-5	P5K0632-40	Soil	11/09/05 08:10	11/15/05 14:20
TP-9/S-1	P5K0632-41	Soil	11/09/05 08:45	11/15/05 14:20
TP-9/S-2	P5K0632-42	Soil	11/09/05 08:45	11/15/05 14:20
TP-9/S-3	P5K0632-43	Soil	11/09/05 08:45	11/15/05 14:20
TP-9/S-4	P5K0632-44	Soil	11/09/05 08:45	11/15/05 14:20
TP-9/S-5	P5K0632-45	Soil	11/09/05 08:45	11/15/05 14:20
TP-10/S-1	P5K0632-46	Soil	11/09/05 09:45	11/15/05 14:20
TP-10/S-2	P5K0632-47	Soil	11/09/05 09:45	11/15/05 14:20
TP-10/S-3	P5K0632-48	Soil	11/09/05 09:45	11/15/05 14:20
TP-10/S-4	P5K0632-49	Soil	11/09/05 09:45	11/15/05 14:20
TP-10/S-5	P5K0632-50	Soil	11/09/05 09:45	11/15/05 14:20
TP-11/S-1	P5K0632-51	Soil	11/09/05 10:25	11/15/05 14:20
TP-11/S-2	P5K0632-52	Soil	11/09/05 10:25	11/15/05 14:20
TP-11/S-3	P5K0632-53	Soil	11/09/05 10:25	11/15/05 14:20
TP-11/S-4	P5K0632-54	Soil	11/09/05 10:25	11/15/05 14:20
TP-11/S-5	P5K0632-55	Soil	11/09/05 10:25	11/15/05 14:20
SS-1	P5K0632-56	Soil	11/10/05 13:50	11/15/05 14:20
SS-2	P5K0632-57	Soil	11/10/05 13:40	11/15/05 14:20
SS-3	P5K0632-58	Soil	11/10/05 14:09	11/15/05 14:20
SS-4	P5K0632-59	Soil	11/10/05 14:14	11/15/05 14:20
SS-5	P5K0632-60	Soil	11/10/05 14:52	11/15/05 14:20
SS-7	P5K0632-61	Soil	11/10/05 15:20	11/15/05 14:20
SS-8	P5K0632-62	Soil	11/11/05 09:40	11/15/05 14:20
SS-9	P5K0632-63	Soil	11/11/05 09:30	11/15/05 14:20
SS-10	P5K0632-64	Soil	11/11/05 12:00	11/15/05 14:20
SS-11	P5K0632-65	Soil	11/11/05 08:42	11/15/05 14:20
SS-12	P5K0632-66	Soil	11/11/05 08:36	11/15/05 14:20
SS-13	P5K0632-67	Soil	11/11/05 08:30	11/15/05 14:20
SS-14	P5K0632-68	Soil	11/11/05 08:20	11/15/05 14:20
SS-15	P5K0632-69	Soil	11/11/05 16:32	11/15/05 14:20
SS-16	P5K0632-70	Soil	11/11/05 16:15	11/15/05 14:20
SS-17	P5K0632-71	Soil	11/11/05 13:57	11/15/05 14:20
SS-18	P5K0632-72	Soil	11/11/05 14:34	11/15/05 14:20
SS-19	P5K0632-73	Soil	11/11/05 14:43	11/15/05 14:20
SS-20	P5K0632-74	Soil	11/11/05 09:50	11/15/05 14:20

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name:	Medford	
	Project Number:	[none]	<u>Report Created:</u>
	Project Manager:	Michael Pickering	12/01/05 16:43

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-21	P5K0632-75	Soil	11/11/05 09:20	11/15/05 14:20
SS-22	P5K0632-76	Soil	11/11/05 08:55	11/15/05 14:20
SS-23	P5K0632-77	Soil	11/11/05 08:48	11/15/05 14:20
BG-1	P5K0632-78	Soil	11/11/05 10:40	11/15/05 14:20
BG-2	P5K0632-79	Soil	11/11/05 11:05	11/15/05 14:20
BG-3	P5K0632-80	Soil	11/11/05 11:40	11/15/05 14:20
BG-4	P5K0632-81	Soil	11/11/05 11:49	11/15/05 14:20
BG-5	P5K0632-82	Soil	11/11/05 11:55	11/15/05 14:20
BG-6	P5K0632-83	Soil	11/11/05 12:05	11/15/05 14:20
SS-5 Dup	P5K0632-84	Soil	11/10/05 14:52	11/15/05 14:20
TP-3/S-4 Dup	P5K0632-85	Soil	11/09/05 12:00	11/15/05 14:20
TP-7/S-1 Dup	P5K0632-86	Soil	11/09/05 14:24	11/15/05 14:20
TP-10/S-2 Dup	P5K0632-87	Soil	11/10/05 09:45	11/15/05 14:20
IDW	P5K0632-88	Water	11/11/05 07:30	11/15/05 14:20
SS-6	P5K0632-89	Soil	11/10/05 15:00	11/15/05 14:20



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name:	Medford	<u>Report Created:</u> 12/01/05 16:43
	Project Number:	[none]	
	Project Manager:	Michael Pickering	

Total Metals per EPA 200 Series Methods
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0632-88	Water	1DW	Sampled: 11/11/05 07:30							
Arsenic	EPA 200.8	0.0164	----	0.00100	mg/l	1x	5111009	11/21/05	11/23/05 07:36	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc.	Project Name: Medford	
9615 SW Allen Blvd. Suite 106	Project Number: [none]	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	12/01/05 16:43

Total Metals per EPA 6000/7000 Series Methods

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0632-01	Soil	TP-1/S-1	Sampled: 11/09/05 11:00							
Arsenic	EPA 6020	19.7	----	0.672	mg/kg dry	1x	5110912	11/18/05	11/29/05 06:35	
P5K0632-02	Soil	TP-1/S-2	Sampled: 11/09/05 11:00							
Arsenic	EPA 6020	16.9	----	0.656	mg/kg dry	1x	5111060	11/22/05	11/23/05 16:49	
P5K0632-03	Soil	TP-1/S-3	Sampled: 11/09/05 11:00							
Arsenic	EPA 6020	5.46	----	0.594	mg/kg dry	1x	5111060	11/22/05	11/23/05 17:12	
P5K0632-04	Soil	TP-1/S-4	Sampled: 11/09/05 11:00							
Arsenic	EPA 6020	8.63	----	0.632	mg/kg dry	1x	5110912	11/18/05	11/29/05 14:48	
P5K0632-05	Soil	TP-1/S-5	Sampled: 11/09/05 11:00							
Arsenic	EPA 6020	4.47	----	0.627	mg/kg dry	1x	5111060	11/22/05	11/23/05 17:20	
P5K0632-06	Soil	TP-2/S-1	Sampled: 11/09/05 11:23							
Arsenic	EPA 6020	80.3	----	0.663	mg/kg dry	1x	5111060	11/22/05	11/23/05 17:27	
P5K0632-07	Soil	TP-2/S-2	Sampled: 11/09/05 11:23							
Arsenic	EPA 6020	12.8	----	0.657	mg/kg dry	1x	5111060	11/22/05	11/23/05 17:35	
P5K0632-08	Soil	TP-2/S-3	Sampled: 11/09/05 11:23							
Arsenic	EPA 6020	8.00	----	0.595	mg/kg dry	1x	5111060	11/22/05	11/23/05 17:43	
P5K0632-09	Soil	TP-2/S-4	Sampled: 11/09/05 11:23							
Arsenic	EPA 6020	13.3	----	0.595	mg/kg dry	1x	5111060	11/22/05	11/23/05 17:50	
P5K0632-10	Soil	TP-2/S-5	Sampled: 11/09/05 11:23							
Arsenic	EPA 6020	6.40	----	0.610	mg/kg dry	1x	5111060	11/22/05	11/23/05 17:58	
P5K0632-11	Soil	TP-3/S-1	Sampled: 11/09/05 11:23							
Arsenic	EPA 6020	10.4	----	0.665	mg/kg dry	1x	5111060	11/22/05	11/23/05 18:05	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc.	Project Name: Medford	
9615 SW Allen Blvd. Suite 106	Project Number: [none]	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	12/01/05 16:43

Total Metals per EPA 6000/7000 Series Methods

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0632-12	Soil	TP-3/S-2	Sampled: 11/09/05 11:23							
Arsenic	EPA 6020	6.12	----	0.656	mg/kg dry	1x	5111060	11/22/05	11/23/05 18:13	
P5K0632-13	Soil	TP-3/S-3	Sampled: 11/09/05 11:23							
Arsenic	EPA 6020	52.8	----	0.669	mg/kg dry	1x	5111060	11/22/05	11/23/05 18:21	
P5K0632-14	Soil	TP-3/S-4	Sampled: 11/09/05 11:23							
Arsenic	EPA 6020	23.7	----	0.596	mg/kg dry	1x	5111060	11/22/05	11/23/05 18:44	
P5K0632-15	Soil	TP-3/S-5	Sampled: 11/09/05 11:23							
Arsenic	EPA 6020	8.59	----	0.574	mg/kg dry	1x	5111060	11/22/05	11/23/05 18:51	
P5K0632-16	Soil	TP-4/S-1	Sampled: 11/09/05 12:32							
Arsenic	EPA 6020	111	----	0.619	mg/kg dry	1x	5111060	11/22/05	11/23/05 18:59	
P5K0632-17	Soil	TP-4/S-2	Sampled: 11/09/05 12:32							
Antimony	EPA 6020	ND	----	0.485	mg/kg dry	1x	5111061	11/22/05	11/29/05 17:05	
Arsenic	"	83.1	----	0.485	"	"	"	"	"	
Barium	"	190	----	0.485	"	"	"	"	"	
Beryllium	"	0.532	----	0.485	"	"	"	"	"	
Cadmium	"	ND	----	0.485	"	"	"	"	"	
Chromium	"	28.6	----	0.485	"	"	"	"	"	
Cobalt	"	15.2	----	0.485	"	"	"	"	"	
Copper	"	38.0	----	1.94	"	"	"	"	"	
Lead	"	333	----	2.43	"	5x	"	"	11/30/05 13:49	
Molybdenum	"	ND	----	2.43	"	1x	"	"	11/29/05 17:05	
Nickel	"	18.8	----	0.971	"	"	"	"	"	
Selenium	"	0.569	----	0.485	"	"	"	"	"	
Silver	"	ND	----	0.485	"	"	"	"	"	
Thallium	"	ND	----	0.485	"	"	"	"	"	
Vanadium	"	82.3	----	0.485	"	"	"	"	"	
Zinc	"	72.1	----	1.94	"	"	"	"	"	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name:	Medford	<u>Report Created:</u> 12/01/05 16:43
	Project Number:	[none]	
	Project Manager:	Michael Pickering	

Total Metals per EPA 6000/7000 Series Methods
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0632-18	Soil	TP-4/S-3	Sampled: 11/09/05 12:32							
Arsenic	EPA 6020	54.1	----	0.655	mg/kg dry	1x	5111061	11/22/05	11/29/05 17:50	
P5K0632-19	Soil	TP-4/S-4	Sampled: 11/09/05 12:32							
Arsenic	EPA 6020	33.9	----	0.641	mg/kg dry	1x	5111061	11/22/05	11/29/05 20:39	
P5K0632-20	Soil	TP-4/S-5	Sampled: 11/09/05 12:32							
Arsenic	EPA 6020	15.5	----	0.585	mg/kg dry	1x	5111061	11/22/05	11/29/05 20:47	
P5K0632-21	Soil	TP-5/S-1	Sampled: 11/09/05 13:00							
Arsenic	EPA 6020	18.0	----	0.657	mg/kg dry	1x	5111061	11/22/05	11/29/05 20:54	
P5K0632-22	Soil	TP-5/S-2	Sampled: 11/09/05 13:00							
Arsenic	EPA 6020	4.43	----	0.647	mg/kg dry	1x	5111061	11/22/05	11/29/05 21:02	
P5K0632-23	Soil	TP-5/S-3	Sampled: 11/09/05 13:00							
Arsenic	EPA 6020	16.9	----	0.622	mg/kg dry	1x	5111061	11/22/05	11/29/05 21:10	
P5K0632-24	Soil	TP-5/S-4	Sampled: 11/09/05 13:00							
Arsenic	EPA 6020	6.94	----	0.609	mg/kg dry	1x	5111061	11/22/05	11/29/05 21:17	
P5K0632-25	Soil	TP-5/S-5	Sampled: 11/09/05 13:00							
Arsenic	EPA 6020	7.68	----	0.617	mg/kg dry	1x	5111061	11/22/05	11/29/05 21:25	
P5K0632-26	Soil	TP-6/S-1	Sampled: 11/09/05 13:44							
Arsenic	EPA 6020	82.2	----	0.623	mg/kg dry	1x	5111061	11/22/05	11/29/05 21:32	
P5K0632-27	Soil	TP-6/S-2	Sampled: 11/09/05 13:44							
Arsenic	EPA 6020	34.8	----	0.656	mg/kg dry	1x	5111061	11/22/05	11/29/05 21:40	
P5K0632-28	Soil	TP-6/S-3	Sampled: 11/09/05 13:44							
Arsenic	EPA 6020	5.64	----	0.598	mg/kg dry	1x	5111061	11/22/05	11/29/05 21:48	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc.	Project Name: Medford	
9615 SW Allen Blvd. Suite 106	Project Number: [none]	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	12/01/05 16:43

Total Metals per EPA 6000/7000 Series Methods

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0632-29	Soil	TP-6/S-4	Sampled: 11/09/05 13:44							
Arsenic	EPA 6020	25.1	----	0.647	mg/kg dry	1x	5111061	11/22/05	11/29/05 22:10	
P5K0632-30	Soil	TP-6/S-5	Sampled: 11/09/05 13:44							
Arsenic	EPA 6020	54.7	----	0.627	mg/kg dry	1x	5111061	11/22/05	11/29/05 22:18	
P5K0632-31	Soil	TP-7/S-1	Sampled: 11/09/05 14:24							
Arsenic	EPA 6020	13.5	----	0.673	mg/kg dry	1x	5111061	11/22/05	11/29/05 22:26	
P5K0632-32	Soil	TP-7/S-2	Sampled: 11/09/05 14:24							
Arsenic	EPA 6020	5.70	----	0.654	mg/kg dry	1x	5111061	11/22/05	11/29/05 22:33	
P5K0632-33	Soil	TP-7/S-3	Sampled: 11/09/05 14:24							
Arsenic	EPA 6020	7.80	----	0.629	mg/kg dry	1x	5111061	11/22/05	11/29/05 22:41	
P5K0632-34	Soil	TP-7/S-4	Sampled: 11/09/05 14:24							
Arsenic	EPA 6020	6.25	----	0.599	mg/kg dry	1x	5111061	11/22/05	11/29/05 22:48	
P5K0632-35	Soil	TP-7/S-5	Sampled: 11/09/05 14:24							
Arsenic	EPA 6020	5.23	----	0.581	mg/kg dry	1x	5111108	11/22/05	11/29/05 08:29	
P5K0632-36	Soil	TP-8/S-1	Sampled: 11/09/05 08:10							
Arsenic	EPA 6020	34.8	----	0.616	mg/kg dry	1x	5111108	11/22/05	11/29/05 09:47	
P5K0632-37	Soil	TP-8/S-2	Sampled: 11/09/05 08:10							
Arsenic	EPA 6020	28.6	----	0.660	mg/kg dry	1x	5111108	11/22/05	11/29/05 12:07	
P5K0632-38	Soil	TP-8/S-3	Sampled: 11/09/05 08:10							
Arsenic	EPA 6020	5.51	----	0.644	mg/kg dry	1x	5111108	11/22/05	11/29/05 12:23	
P5K0632-39	Soil	TP-8/S-4	Sampled: 11/09/05 08:10							
Arsenic	EPA 6020	16.2	----	0.609	mg/kg dry	1x	5111108	11/22/05	11/29/05 12:38	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc.	Project Name: Medford	
9615 SW Allen Blvd. Suite 106	Project Number: [none]	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	12/01/05 16:43

Total Metals per EPA 6000/7000 Series Methods

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0632-40	Soil	TP-8/S-5	Sampled: 11/09/05 08:10							
Arsenic	EPA 6020	6.22	----	0.643	mg/kg dry	1x	5111108	11/22/05	11/29/05 12:54	
P5K0632-41	Soil	TP-9/S-1	Sampled: 11/09/05 08:45							
Arsenic	EPA 6020	16.2	----	0.673	mg/kg dry	1x	5111108	11/22/05	11/29/05 13:09	
P5K0632-42	Soil	TP-9/S-2	Sampled: 11/09/05 08:45							
Arsenic	EPA 6020	6.76	----	0.603	mg/kg dry	1x	5111108	11/22/05	11/29/05 13:25	
P5K0632-43	Soil	TP-9/S-3	Sampled: 11/09/05 08:45							
Arsenic	EPA 6020	12.1	----	0.647	mg/kg dry	1x	5111108	11/22/05	11/29/05 13:41	
P5K0632-44	Soil	TP-9/S-4	Sampled: 11/09/05 08:45							
Arsenic	EPA 6020	11.4	----	0.631	mg/kg dry	1x	5111108	11/22/05	11/29/05 13:56	
P5K0632-45	Soil	TP-9/S-5	Sampled: 11/09/05 08:45							
Arsenic	EPA 6020	11.5	----	0.597	mg/kg dry	1x	5111108	11/22/05	11/29/05 15:45	
P5K0632-46	Soil	TP-10/S-1	Sampled: 11/09/05 09:45							
Arsenic	EPA 6020	7.35	----	0.636	mg/kg dry	1x	5111108	11/22/05	11/29/05 16:01	
P5K0632-47	Soil	TP-10/S-2	Sampled: 11/09/05 09:45							
Arsenic	EPA 6020	22.5	----	0.641	mg/kg dry	1x	5111108	11/22/05	11/29/05 16:17	
P5K0632-48	Soil	TP-10/S-3	Sampled: 11/09/05 09:45							
Arsenic	EPA 6020	23.9	----	0.648	mg/kg dry	1x	5111108	11/22/05	11/29/05 16:32	
P5K0632-49	Soil	TP-10/S-4	Sampled: 11/09/05 09:45							
Arsenic	EPA 6020	17.0	----	0.625	mg/kg dry	1x	5111108	11/22/05	11/29/05 16:48	
P5K0632-50	Soil	TP-10/S-5	Sampled: 11/09/05 09:45							
Arsenic	EPA 6020	8.56	----	0.594	mg/kg dry	1x	5111152	11/23/05	11/30/05 00:43	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: Medford Project Number: [none] Project Manager: Michael Pickering	Report Created: 12/01/05 16:43
---	--	-----------------------------------

Total Metals per EPA 6000/7000 Series Methods
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0632-51	Soil	TP-11/S-1	Sampled: 11/09/05 10:25							
Arsenic	EPA 6020	10.2	----	0.638	mg/kg dry	1x	5111360	11/30/05	11/30/05 23:28	
P5K0632-52	Soil	TP-11/S-2	Sampled: 11/09/05 10:25							
Arsenic	EPA 6020	6.32	----	0.597	mg/kg dry	1x	5111360	11/30/05	12/01/05 00:47	
P5K0632-53	Soil	TP-11/S-3	Sampled: 11/09/05 10:25							
Arsenic	EPA 6020	6.54	----	0.607	mg/kg dry	1x	5111360	11/30/05	12/01/05 01:02	
P5K0632-54	Soil	TP-11/S-4	Sampled: 11/09/05 10:25							
Arsenic	EPA 6020	7.34	----	0.595	mg/kg dry	1x	5111360	11/30/05	12/01/05 01:18	
P5K0632-55	Soil	TP-11/S-5	Sampled: 11/09/05 10:25							
Arsenic	EPA 6020	6.63	----	0.577	mg/kg dry	1x	5111360	11/30/05	12/01/05 02:05	
P5K0632-56	Soil	SS-1	Sampled: 11/10/05 13:50							
Arsenic	EPA 6020	19.3	----	0.649	mg/kg dry	1x	5111109	11/22/05	11/29/05 23:11	
P5K0632-57	Soil	SS-2	Sampled: 11/10/05 13:40							
Antimony	EPA 6020	ND	----	0.505	mg/kg dry	1x	5111109	11/22/05	11/30/05 00:05	
Arsenic	"	45.4	----	0.505	"	"	"	"	"	
Barium	"	170	----	0.505	"	"	"	"	"	
Beryllium	"	ND	----	0.505	"	"	"	"	"	
Cadmium	"	ND	----	0.505	"	"	"	"	"	
Chromium	"	26.5	----	0.505	"	"	"	"	"	
Cobalt	"	13.7	----	0.505	"	"	"	"	"	
Copper	"	42.3	----	2.02	"	"	"	"	"	
Lead	"	204	----	0.505	"	"	"	"	"	
Molybdenum	"	ND	----	3.03	"	"	"	"	11/30/05 15:35	
Nickel	"	16.1	----	1.01	"	"	"	"	11/30/05 00:05	
Selenium	"	ND	----	0.505	"	"	"	"	11/30/05 14:58	
Silver	"	ND	----	0.505	"	"	"	"	11/30/05 00:05	
Thallium	"	ND	----	0.505	"	"	"	"	"	
Vanadium	"	72.7	----	0.505	"	"	"	"	"	
Zinc	"	72.0	----	2.02	"	"	"	"	"	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
 Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: Medford Project Number: [none] Project Manager: Michael Pickering	Report Created: 12/01/05 16:43
---	--	-----------------------------------

Total Metals per EPA 6000/7000 Series Methods

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0632-58	Soil	SS-3	Sampled: 11/10/05 14:09							
Arsenic	EPA 6020	10.1	----	0.640	mg/kg dry	1x	5111109	11/22/05	11/29/05 17:35	
P5K0632-59	Soil	SS-4	Sampled: 11/10/05 14:14							
Arsenic	EPA 6020	47.4	----	0.634	mg/kg dry	1x	5111109	11/22/05	11/29/05 17:51	
P5K0632-60	Soil	SS-5	Sampled: 11/10/05 14:52							
Arsenic	EPA 6020	9.87	----	0.661	mg/kg dry	1x	5111109	11/22/05	11/29/05 18:06	
P5K0632-61	Soil	SS-7	Sampled: 11/10/05 15:20							
Arsenic	EPA 6020	49.2	----	0.599	mg/kg dry	1x	5111109	11/22/05	11/29/05 18:53	
P5K0632-62	Soil	SS-8	Sampled: 11/11/05 09:40							
Antimony	EPA 6020	ND	----	0.495	mg/kg dry	1x	5111109	11/22/05	11/30/05 00:20	
Arsenic	"	64.4	----	0.495	"	"	"	"	"	
Barium	"	199	----	0.495	"	"	"	"	"	
Beryllium	"	0.500	----	0.495	"	"	"	"	"	
Cadmium	"	ND	----	0.495	"	"	"	"	"	
Chromium	"	31.3	----	0.495	"	"	"	"	"	
Cobalt	"	15.2	----	0.495	"	"	"	"	"	
Copper	"	42.7	----	1.98	"	"	"	"	"	
Lead	"	329	----	0.495	"	"	"	"	"	
Molybdenum	"	ND	----	2.97	"	"	"	"	11/30/05 16:07	
Nickel	"	18.9	----	0.990	"	"	"	"	11/30/05 00:20	
Selenium	"	ND	----	0.495	"	"	"	"	11/30/05 15:14	
Silver	"	ND	----	0.495	"	"	"	"	11/30/05 00:20	
Thallium	"	ND	----	0.495	"	"	"	"	"	
Vanadium	"	81.2	----	0.495	"	"	"	"	"	
Zinc	"	81.7	----	1.98	"	"	"	"	"	
P5K0632-63	Soil	SS-9	Sampled: 11/11/05 09:30							
Arsenic	EPA 6020	20.3	----	0.636	mg/kg dry	1x	5111109	11/22/05	11/29/05 19:09	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: Medford Project Number: [none] Project Manager: Michael Pickering	Report Created: 12/01/05 16:43
---	--	-----------------------------------

Total Metals per EPA 6000/7000 Series Methods
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0632-64	Soil	SS-10	Sampled: 11/11/05 12:00							
Arsenic	EPA 6020	14.2	----	0.671	mg/kg dry	1x	5111109	11/22/05	11/29/05 19:24	
P5K0632-65	Soil	SS-11	Sampled: 11/11/05 08:42							
Arsenic	EPA 6020	14.7	----	0.659	mg/kg dry	1x	5111109	11/22/05	11/29/05 19:40	
P5K0632-66	Soil	SS-12	Sampled: 11/11/05 08:36							
Arsenic	EPA 6020	38.5	----	0.630	mg/kg dry	1x	5111109	11/22/05	11/29/05 19:56	
P5K0632-67	Soil	SS-13	Sampled: 11/11/05 08:30							
Arsenic	EPA 6020	17.4	----	0.607	mg/kg dry	1x	5111109	11/22/05	11/29/05 20:11	
P5K0632-68	Soil	SS-14	Sampled: 11/11/05 08:20							
Arsenic	EPA 6020	6.62	----	0.661	mg/kg dry	1x	5111109	11/22/05	11/29/05 20:27	
P5K0632-69	Soil	SS-15	Sampled: 11/11/05 16:32							
Arsenic	EPA 6020	9.02	----	0.626	mg/kg dry	1x	5111109	11/22/05	11/29/05 20:43	
P5K0632-70	Soil	SS-16	Sampled: 11/11/05 16:15							
Arsenic	EPA 6020	11.0	----	0.610	mg/kg dry	1x	5111109	11/22/05	11/29/05 20:58	
P5K0632-71	Soil	SS-17	Sampled: 11/11/05 13:57							
Arsenic	EPA 6020	13.8	----	0.646	mg/kg dry	1x	5111109	11/22/05	11/29/05 21:14	
P5K0632-72	Soil	SS-18	Sampled: 11/11/05 14:34							
Arsenic	EPA 6020	10.0	----	0.637	mg/kg dry	1x	5111109	11/22/05	11/29/05 22:01	
P5K0632-73	Soil	SS-19	Sampled: 11/11/05 14:43							
Arsenic	EPA 6020	6.02	----	0.734	mg/kg dry	1x	5111109	11/22/05	11/29/05 22:17	
P5K0632-74	Soil	SS-20	Sampled: 11/11/05 09:50							
Arsenic	EPA 6020	8.67	----	0.633	mg/kg dry	1x	5111152	11/23/05	11/30/05 01:36	

North Creek Analytical - Portland

Lisa Domenighini, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: Medford Project Number: [none] Project Manager: Michael Pickering	Report Created: 12/01/05 16:43
---	--	-----------------------------------

Total Metals per EPA 6000/7000 Series Methods

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0632-75	Soil	SS-21	Sampled: 11/11/05 09:20							
Arsenic	EPA 6020	10.0	----	0.644	mg/kg dry	1x	5111152	11/23/05	11/29/05 23:04	
P5K0632-76	Soil	SS-22	Sampled: 11/11/05 08:55							
Arsenic	EPA 6020	11.2	----	0.610	mg/kg dry	1x	5111152	11/23/05	11/29/05 23:20	
P5K0632-77	Soil	SS-23	Sampled: 11/11/05 08:48							
Arsenic	EPA 6020	14.8	----	0.658	mg/kg dry	1x	5111152	11/23/05	11/29/05 23:36	
P5K0632-78	Soil	BG-1	Sampled: 11/11/05 10:40							
Arsenic	EPA 6020	5.50	----	0.669	mg/kg dry	1x	5111152	11/23/05	11/29/05 23:51	
P5K0632-79	Soil	BG-2	Sampled: 11/11/05 11:05							
Arsenic	EPA 6020	7.88	----	0.607	mg/kg dry	1x	5111152	11/23/05	11/30/05 00:07	
P5K0632-80	Soil	BG-3	Sampled: 11/11/05 11:40							
Arsenic	EPA 6020	2.26	----	0.574	mg/kg dry	1x	5111152	11/23/05	11/30/05 00:23	
P5K0632-81	Soil	BG-4	Sampled: 11/11/05 11:49							
Antimony	EPA 6020	ND	----	0.476	mg/kg dry	1x	5111152	11/23/05	11/30/05 01:52	
Arsenic	"	1.84	----	0.476	"	"	"	"	"	
Barium	"	108	----	0.476	"	"	"	"	"	
Beryllium	"	ND	----	0.476	"	"	"	"	"	
Cadmium	"	ND	----	0.476	"	"	"	"	"	
Chromium	"	16.3	----	0.476	"	"	"	"	"	
Cobalt	"	8.10	----	0.476	"	"	"	"	"	
Copper	"	18.2	----	1.90	"	"	"	"	"	
Lead	"	5.90	----	0.476	"	"	"	"	"	
Molybdenum	"	ND	----	2.86	"	"	"	"	"	
Nickel	"	10.0	----	0.952	"	"	"	"	"	
Selenium	"	ND	----	0.476	"	"	"	"	11/30/05 13:03	
Silver	"	ND	----	0.476	"	"	"	"	11/30/05 01:52	
Thallium	"	ND	----	0.476	"	"	"	"	"	
Vanadium	"	49.0	----	0.476	"	"	"	"	"	
Zinc	"	40.2	----	1.90	"	"	"	"	"	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: Medford Project Number: [none] Project Manager: Michael Pickering	Report Created: 12/01/05 16:43
---	--	-----------------------------------

Total Metals per EPA 6000/7000 Series Methods
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0632-82	Soil	BG-5	Sampled: 11/11/05 11:55							
Arsenic	EPA 6020	2.35	----	0.567	mg/kg dry	1x	5111152	11/23/05	11/30/05 01:10	
P5K0632-83	Soil	BG-6	Sampled: 11/11/05 12:05							
Arsenic	EPA 6020	3.83	----	0.641	mg/kg dry	1x	5111152	11/23/05	11/30/05 01:26	
P5K0632-84	Soil	SS-5 Dup	Sampled: 11/10/05 14:52							
Arsenic	EPA 6020	9.12	----	0.669	mg/kg dry	1x	5111152	11/23/05	11/30/05 01:41	
P5K0632-85	Soil	TP-3/S-4 Dup	Sampled: 11/09/05 12:00							
Arsenic	EPA 6020	7.91	----	0.579	mg/kg dry	1x	5111152	11/23/05	11/30/05 01:57	
P5K0632-86	Soil	TP-7/S-1 Dup	Sampled: 11/09/05 14:24							
Arsenic	EPA 6020	7.19	----	0.670	mg/kg dry	1x	5111152	11/23/05	11/30/05 02:13	
P5K0632-87	Soil	TP-10/S-2 Dup	Sampled: 11/10/05 09:45							
Arsenic	EPA 6020	6.20	----	0.623	mg/kg dry	1x	5111152	11/23/05	11/30/05 02:28	
P5K0632-89	Soil	SS-6	Sampled: 11/10/05 15:00							
Arsenic	EPA 6020	34.5	----	0.621	mg/kg dry	1x	5111152	11/23/05	11/30/05 02:44	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name:	Medford	
	Project Number:	[none]	<u>Report Created:</u>
	Project Manager:	Michael Pickering	12/01/05 16:43

Total Mercury per EPA Method 7471A
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0632-17	Soil	TP-4/S-2	Sampled: 11/09/05 12:32							
Mercury	EPA 7471A	ND	-----	0.0846	mg/kg dry	1x	5110849	11/17/05	11/17/05 13:15	
P5K0632-57	Soil	SS-2	Sampled: 11/10/05 13:40							
Mercury	EPA 7471A	ND	-----	0.0880	mg/kg dry	1x	5110849	11/17/05	11/17/05 13:17	
P5K0632-62	Soil	SS-8	Sampled: 11/11/05 09:40							
Mercury	EPA 7471A	ND	-----	0.0829	mg/kg dry	1x	5110849	11/17/05	11/17/05 13:24	
P5K0632-81	Soil	BG-4	Sampled: 11/11/05 11:49							
Mercury	EPA 7471A	ND	-----	0.0717	mg/kg dry	1x	5110849	11/17/05	11/17/05 13:27	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: Medford Project Number: [none] Project Manager: Michael Pickering	Report Created: 12/01/05 16:43
---	--	-----------------------------------

Organochlorine Pesticides per EPA Method 8081A
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0632-17	Soil	TP-4/S-2	Sampled: 11/09/05 12:32							
Aldrin	EPA 8081A	ND	----	8.37	ug/kg dry	1x	5110821	11/17/05	11/22/05 20:26	
alpha-BHC	"	ND	----	8.37	"	"	"	"	"	
beta-BHC	"	ND	----	8.37	"	"	"	"	"	
delta-BHC	"	ND	----	8.37	"	"	"	"	"	
gamma-BHC (Lindane)	"	ND	----	8.37	"	"	"	"	"	
gamma-Chlordane	"	ND	----	8.37	"	"	"	"	"	
alpha-Chlordane	"	ND	----	8.37	"	"	"	"	"	
Chlordane (tech)	"	ND	----	187	"	"	"	"	"	
4,4'-DDD	"	67.3	----	8.37	"	"	"	"	"	
4,4'-DDE	"	624	----	83.7	"	10x	"	"	11/18/05 17:43	R-05
4,4'-DDT	"	412	----	83.7	"	"	"	"	"	R-05
Dieldrin	"	76.8	----	8.37	"	1x	"	"	11/22/05 20:26	
Endosulfan I	"	ND	----	8.37	"	"	"	"	"	
Endosulfan II	"	ND	----	8.37	"	"	"	"	"	
Endosulfan sulfate	"	ND	----	8.37	"	"	"	"	"	
Endrin	"	ND	----	8.37	"	"	"	"	"	
Endrin aldehyde	"	ND	----	8.37	"	"	"	"	"	
Endrin ketone	"	ND	----	8.37	"	"	"	"	"	
Heptachlor	"	ND	----	8.37	"	"	"	"	"	
Heptachlor epoxide	"	ND	----	8.37	"	"	"	"	"	
Methoxychlor	"	ND	----	41.8	"	5x	"	"	11/23/05 13:13	R-05
Toxaphene	"	ND	----	250	"	1x	"	"	11/22/05 20:26	

Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene Recovery: 64.9% Limits: 36 - 140 % " "

P5K0632-57	Soil	SS-2	Sampled: 11/10/05 13:40							
Aldrin	EPA 8081A	ND	----	8.15	ug/kg dry	1x	5110821	11/17/05	11/22/05 20:00	
alpha-BHC	"	ND	----	8.15	"	"	"	"	"	
beta-BHC	"	ND	----	8.15	"	"	"	"	"	
delta-BHC	"	ND	----	8.15	"	"	"	"	"	
gamma-BHC (Lindane)	"	ND	----	8.15	"	"	"	"	"	
gamma-Chlordane	"	ND	----	8.15	"	"	"	"	"	
alpha-Chlordane	"	ND	----	8.15	"	"	"	"	"	
Chlordane (tech)	"	ND	----	183	"	"	"	"	"	
4,4'-DDD	"	57.6	----	8.15	"	"	"	"	"	
4,4'-DDE	"	990	----	408	"	50x	"	"	11/18/05 18:08	R-05
4,4'-DDT	"	634	----	408	"	"	"	"	"	R-05
Dieldrin	"	115	----	40.8	"	5x	"	"	11/22/05 02:18	R-05
Endosulfan I	"	ND	----	8.15	"	1x	"	"	11/22/05 20:00	
Endosulfan II	"	ND	----	8.15	"	"	"	"	"	
Endosulfan sulfate	"	ND	----	8.15	"	"	"	"	"	
Endrin	"	ND	----	8.15	"	"	"	"	"	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
 Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc.

9615 SW Allen Blvd. Suite 106
 Beaverton, OR 97005

Project Name: **Medford**
 Project Number: [none]
 Project Manager: Michael Pickering

Report Created:
 12/01/05 16:43

Organochlorine Pesticides per EPA Method 8081A

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0632-57	Soil	SS-2	Sampled: 11/10/05 13:40							
Endrin aldehyde	EPA 8081A	ND	----	8.15	ug/kg dry	1x	5110821	11/17/05	11/22/05 20:00	
Endrin ketone	"	ND	----	8.15	"	"	"	"	"	
Heptachlor	"	ND	----	8.15	"	"	"	"	"	
Heptachlor epoxide	"	ND	----	8.15	"	"	"	"	"	
Methoxychlor	"	ND	----	40.8	"	5x	"	"	11/22/05 02:18	R-05
Toxaphene	"	ND	----	243	"	1x	"	"	11/22/05 20:00	

Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene Recovery: 50.5% Limits: 36 - 140 % " "

P5K0632-62	Soil	SS-8	Sampled: 11/11/05 09:40							
Aldrin	EPA 8081A	ND	----	8.83	ug/kg dry	1x	5110821	11/17/05	11/22/05 19:35	
alpha-BHC	"	ND	----	8.83	"	"	"	"	"	
beta-BHC	"	ND	----	8.83	"	"	"	"	"	
delta-BHC	"	ND	----	8.83	"	"	"	"	"	
gamma-BHC (Lindane)	"	ND	----	8.83	"	"	"	"	"	
gamma-Chlordane	"	ND	----	8.83	"	"	"	"	"	
alpha-Chlordane	"	ND	----	8.83	"	"	"	"	"	
Chlordane (tech)	"	ND	----	198	"	"	"	"	"	
4,4'-DDD	"	34.9	----	8.83	"	"	"	"	"	
4,4'-DDE	"	1960	----	442	"	50x	"	"	11/18/05 18:32	R-05
4,4'-DDT	"	1110	----	442	"	"	"	"	"	R-05
Dieldrin	"	103	----	44.2	"	5x	"	"	11/23/05 14:08	R-05
Endosulfan I	"	ND	----	8.83	"	1x	"	"	11/22/05 19:35	
Endosulfan II	"	ND	----	8.83	"	"	"	"	"	
Endosulfan sulfate	"	ND	----	8.83	"	"	"	"	"	
Endrin	"	ND	----	8.83	"	"	"	"	"	
Endrin aldehyde	"	ND	----	8.83	"	"	"	"	"	
Endrin ketone	"	ND	----	8.83	"	"	"	"	"	
Heptachlor	"	ND	----	8.83	"	"	"	"	"	
Heptachlor epoxide	"	ND	----	8.83	"	"	"	"	"	
Methoxychlor	"	16.0	----	13.2	"	5x	"	"	11/23/05 14:08	R-05
Toxaphene	"	ND	----	264	"	1x	"	"	11/22/05 19:35	

Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene Recovery: 88.6% Limits: 36 - 140 % " "

North Creek Analytical - Portland

Lisa Domenighini, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
 Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name:	Medford	<u>Report Created:</u> 12/01/05 16:43
	Project Number:	[none]	
	Project Manager:	Michael Pickering	

Organochlorine Pesticides per EPA Method 8081A

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0632-81	Soil	BG-4	Sampled: 11/11/05 11:49							
Aldrin	EPA 8081A	ND	----	7.61	ug/kg dry	1x	5110821	11/17/05	11/22/05 01:01	
alpha-BHC	"	ND	----	7.61	"	"	"	"	"	
beta-BHC	"	ND	----	7.61	"	"	"	"	"	
delta-BHC	"	ND	----	7.61	"	"	"	"	"	
gamma-BHC (Lindane)	"	ND	----	7.61	"	"	"	"	"	
gamma-Chlordane	"	ND	----	7.61	"	"	"	"	"	
alpha-Chlordane	"	ND	----	7.61	"	"	"	"	"	
Chlordane (tech)	"	ND	----	170	"	"	"	"	"	
4,4'-DDD	"	ND	----	7.61	"	"	"	"	"	
4,4'-DDE	"	ND	----	7.61	"	"	"	"	"	
4,4'-DDT	"	ND	----	7.61	"	"	"	"	"	
Dieldrin	"	ND	----	7.61	"	"	"	"	"	
Endosulfan I	"	ND	----	7.61	"	"	"	"	"	
Endosulfan II	"	ND	----	7.61	"	"	"	"	"	
Endosulfan sulfate	"	ND	----	7.61	"	"	"	"	"	
Endrin	"	ND	----	7.61	"	"	"	"	"	
Endrin aldehyde	"	ND	----	7.61	"	"	"	"	"	
Endrin ketone	"	ND	----	7.61	"	"	"	"	"	
Heptachlor	"	ND	----	7.61	"	"	"	"	"	
Heptachlor epoxide	"	ND	----	7.61	"	"	"	"	"	
Methoxychlor	"	ND	----	7.61	"	"	"	"	"	
Toxaphene	"	ND	----	227	"	"	"	"	"	

Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene Recovery: 113% Limits: 36 - 140 % " "

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc.	Project Name: Medford	
9615 SW Allen Blvd. Suite 106	Project Number: [none]	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	12/01/05 16:43

Percent Dry Weight (Solids) per Standard Methods

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0632-01	Soil	TP-1/S-1	Sampled: 11/09/05 11:00							
% Solids	NCA SOP	78.3	----	1.00	% by Weight	1x	5110856	11/17/05	11/18/05 11:52	
P5K0632-02	Soil	TP-1/S-2	Sampled: 11/09/05 11:00							
% Solids	NCA SOP	78.6	----	1.00	% by Weight	1x	5110856	11/17/05	11/18/05 11:52	
P5K0632-03	Soil	TP-1/S-3	Sampled: 11/09/05 11:00							
% Solids	NCA SOP	80.9	----	1.00	% by Weight	1x	5110856	11/17/05	11/18/05 11:52	
P5K0632-04	Soil	TP-1/S-4	Sampled: 11/09/05 11:00							
% Solids	NCA SOP	83.3	----	1.00	% by Weight	1x	5110856	11/17/05	11/18/05 11:52	
P5K0632-05	Soil	TP-1/S-5	Sampled: 11/09/05 11:00							
% Solids	NCA SOP	82.2	----	1.00	% by Weight	1x	5110856	11/17/05	11/18/05 11:52	
P5K0632-06	Soil	TP-2/S-1	Sampled: 11/09/05 11:23							
% Solids	NCA SOP	78.5	----	1.00	% by Weight	1x	5110856	11/17/05	11/18/05 11:52	
P5K0632-07	Soil	TP-2/S-2	Sampled: 11/09/05 11:23							
% Solids	NCA SOP	79.3	----	1.00	% by Weight	1x	5110856	11/17/05	11/18/05 11:52	
P5K0632-08	Soil	TP-2/S-3	Sampled: 11/09/05 11:23							
% Solids	NCA SOP	80.8	----	1.00	% by Weight	1x	5110856	11/17/05	11/18/05 11:52	
P5K0632-09	Soil	TP-2/S-4	Sampled: 11/09/05 11:23							
% Solids	NCA SOP	80.8	----	1.00	% by Weight	1x	5110856	11/17/05	11/18/05 11:52	
P5K0632-10	Soil	TP-2/S-5	Sampled: 11/09/05 11:23							
% Solids	NCA SOP	83.6	----	1.00	% by Weight	1x	5110856	11/17/05	11/18/05 11:52	
P5K0632-11	Soil	TP-3/S-1	Sampled: 11/09/05 11:23							
% Solids	NCA SOP	76.0	----	1.00	% by Weight	1x	5110856	11/17/05	11/18/05 11:52	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc.	Project Name: Medford	
9615 SW Allen Blvd. Suite 106	Project Number: [none]	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	12/01/05 16:43

Percent Dry Weight (Solids) per Standard Methods

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0632-12	Soil	TP-3/S-2	Sampled: 11/09/05 11:23							
% Solids	NCA SOP	78.6	----	1.00	% by Weight	1x	5110856	11/17/05	11/18/05 11:52	
P5K0632-13	Soil	TP-3/S-3	Sampled: 11/09/05 11:23							
% Solids	NCA SOP	78.7	----	1.00	% by Weight	1x	5110856	11/17/05	11/18/05 11:52	
P5K0632-14	Soil	TP-3/S-4	Sampled: 11/09/05 11:23							
% Solids	NCA SOP	84.7	----	1.00	% by Weight	1x	5110856	11/17/05	11/18/05 11:52	
P5K0632-15	Soil	TP-3/S-5	Sampled: 11/09/05 11:23							
% Solids	NCA SOP	83.7	----	1.00	% by Weight	1x	5110856	11/17/05	11/18/05 11:52	
P5K0632-16	Soil	TP-4/S-1	Sampled: 11/09/05 12:32							
% Solids	NCA SOP	80.8	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-17	Soil	TP-4/S-2	Sampled: 11/09/05 12:32							
% Solids	NCA SOP	79.9	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-18	Soil	TP-4/S-3	Sampled: 11/09/05 12:32							
% Solids	NCA SOP	79.5	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-19	Soil	TP-4/S-4	Sampled: 11/09/05 12:32							
% Solids	NCA SOP	79.6	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-20	Soil	TP-4/S-5	Sampled: 11/09/05 12:32							
% Solids	NCA SOP	86.3	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-21	Soil	TP-5/S-1	Sampled: 11/09/05 13:00							
% Solids	NCA SOP	78.5	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-22	Soil	TP-5/S-2	Sampled: 11/09/05 13:00							
% Solids	NCA SOP	78.9	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc.	Project Name: Medford	
9615 SW Allen Blvd. Suite 106	Project Number: [none]	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	12/01/05 16:43

Percent Dry Weight (Solids) per Standard Methods
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0632-23	Soil	TP-5/S-3	Sampled: 11/09/05 13:00							
% Solids	NCA SOP	79.6	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-24	Soil	TP-5/S-4	Sampled: 11/09/05 13:00							
% Solids	NCA SOP	82.9	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-25	Soil	TP-5/S-5	Sampled: 11/09/05 13:00							
% Solids	NCA SOP	82.7	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-26	Soil	TP-6/S-1	Sampled: 11/09/05 13:44							
% Solids	NCA SOP	77.2	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-27	Soil	TP-6/S-2	Sampled: 11/09/05 13:44							
% Solids	NCA SOP	79.4	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-28	Soil	TP-6/S-3	Sampled: 11/09/05 13:44							
% Solids	NCA SOP	80.4	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-29	Soil	TP-6/S-4	Sampled: 11/09/05 13:44							
% Solids	NCA SOP	79.7	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-30	Soil	TP-6/S-5	Sampled: 11/09/05 13:44							
% Solids	NCA SOP	81.4	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-31	Soil	TP-7/S-1	Sampled: 11/09/05 14:24							
% Solids	NCA SOP	75.8	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-32	Soil	TP-7/S-2	Sampled: 11/09/05 14:24							
% Solids	NCA SOP	78.0	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-33	Soil	TP-7/S-3	Sampled: 11/09/05 14:24							
% Solids	NCA SOP	81.9	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name:	Medford	<u>Report Created:</u> 12/01/05 16:43
	Project Number:	[none]	
	Project Manager:	Michael Pickering	

Percent Dry Weight (Solids) per Standard Methods
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0632-34	Soil	TP-7/S-4	Sampled: 11/09/05 14:24							
% Solids	NCA SOP	83.5	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-35	Soil	TP-7/S-5	Sampled: 11/09/05 14:24							
% Solids	NCA SOP	82.7	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-36	Soil	TP-8/S-1	Sampled: 11/09/05 08:10							
% Solids	NCA SOP	78.0	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-37	Soil	TP-8/S-2	Sampled: 11/09/05 08:10							
% Solids	NCA SOP	79.7	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-38	Soil	TP-8/S-3	Sampled: 11/09/05 08:10							
% Solids	NCA SOP	80.9	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-39	Soil	TP-8/S-4	Sampled: 11/09/05 08:10							
% Solids	NCA SOP	81.3	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-40	Soil	TP-8/S-5	Sampled: 11/09/05 08:10							
% Solids	NCA SOP	81.0	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-41	Soil	TP-9/S-1	Sampled: 11/09/05 08:45							
% Solids	NCA SOP	78.2	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-42	Soil	TP-9/S-2	Sampled: 11/09/05 08:45							
% Solids	NCA SOP	82.1	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-43	Soil	TP-9/S-3	Sampled: 11/09/05 08:45							
% Solids	NCA SOP	81.3	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-44	Soil	TP-9/S-4	Sampled: 11/09/05 08:45							
% Solids	NCA SOP	82.6	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	

North Creek Analytical - Portland

Lisa Domenighini, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc.	Project Name: Medford	
9615 SW Allen Blvd. Suite 106	Project Number: [none]	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	12/01/05 16:43

Percent Dry Weight (Solids) per Standard Methods

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0632-45	Soil	TP-9/S-5	Sampled: 11/09/05 08:45							
% Solids	NCA SOP	83.8	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-46	Soil	TP-10/S-1	Sampled: 11/09/05 09:45							
% Solids	NCA SOP	78.6	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-47	Soil	TP-10/S-2	Sampled: 11/09/05 09:45							
% Solids	NCA SOP	79.6	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-48	Soil	TP-10/S-3	Sampled: 11/09/05 09:45							
% Solids	NCA SOP	80.4	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-49	Soil	TP-10/S-4	Sampled: 11/09/05 09:45							
% Solids	NCA SOP	83.3	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-50	Soil	TP-10/S-5	Sampled: 11/09/05 09:45							
% Solids	NCA SOP	83.4	----	1.00	% by Weight	1x	5110919	11/18/05	11/21/05 10:02	
P5K0632-51	Soil	TP-11/S-1	Sampled: 11/09/05 10:25							
% Solids	NCA SOP	80.8	----	1.00	% by Weight	1x	5111366	11/30/05	12/01/05 11:11	
P5K0632-52	Soil	TP-11/S-2	Sampled: 11/09/05 10:25							
% Solids	NCA SOP	85.4	----	1.00	% by Weight	1x	5111366	11/30/05	12/01/05 11:11	
P5K0632-53	Soil	TP-11/S-3	Sampled: 11/09/05 10:25							
% Solids	NCA SOP	85.8	----	1.00	% by Weight	1x	5111366	11/30/05	12/01/05 11:11	
P5K0632-54	Soil	TP-11/S-4	Sampled: 11/09/05 10:25							
% Solids	NCA SOP	86.7	----	1.00	% by Weight	1x	5111366	11/30/05	12/01/05 11:11	
P5K0632-55	Soil	TP-11/S-5	Sampled: 11/09/05 10:25							
% Solids	NCA SOP	86.6	----	1.00	% by Weight	1x	5111366	11/30/05	12/01/05 11:11	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name:	Medford	<u>Report Created:</u> 12/01/05 16:43
	Project Number:	[none]	
	Project Manager:	Michael Pickering	

Percent Dry Weight (Solids) per Standard Methods
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0632-56	Soil	SS-1	Sampled: 11/10/05 13:50							
% Solids	NCA SOP	80.3	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-57	Soil	SS-2	Sampled: 11/10/05 13:40							
% Solids	NCA SOP	81.2	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-58	Soil	SS-3	Sampled: 11/10/05 14:09							
% Solids	NCA SOP	78.9	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-59	Soil	SS-4	Sampled: 11/10/05 14:14							
% Solids	NCA SOP	80.5	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-60	Soil	SS-5	Sampled: 11/10/05 14:52							
% Solids	NCA SOP	75.7	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-61	Soil	SS-7	Sampled: 11/10/05 15:20							
% Solids	NCA SOP	81.0	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-62	Soil	SS-8	Sampled: 11/11/05 09:40							
% Solids	NCA SOP	75.4	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-63	Soil	SS-9	Sampled: 11/11/05 09:30							
% Solids	NCA SOP	79.4	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-64	Soil	SS-10	Sampled: 11/11/05 12:00							
% Solids	NCA SOP	77.6	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-65	Soil	SS-11	Sampled: 11/11/05 08:42							
% Solids	NCA SOP	75.1	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-66	Soil	SS-12	Sampled: 11/11/05 08:36							
% Solids	NCA SOP	75.6	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc.	Project Name: Medford	
9615 SW Allen Blvd. Suite 106	Project Number: [none]	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	12/01/05 16:43

Percent Dry Weight (Solids) per Standard Methods

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0632-67	Soil	SS-13	Sampled: 11/11/05 08:30							
% Solids	NCA SOP	80.0	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-68	Soil	SS-14	Sampled: 11/11/05 08:20							
% Solids	NCA SOP	77.2	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-69	Soil	SS-15	Sampled: 11/11/05 16:32							
% Solids	NCA SOP	76.8	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-70	Soil	SS-16	Sampled: 11/11/05 16:15							
% Solids	NCA SOP	78.1	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-71	Soil	SS-17	Sampled: 11/11/05 13:57							
% Solids	NCA SOP	81.5	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-72	Soil	SS-18	Sampled: 11/11/05 14:34							
% Solids	NCA SOP	81.7	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-73	Soil	SS-19	Sampled: 11/11/05 14:43							
% Solids	NCA SOP	68.8	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-74	Soil	SS-20	Sampled: 11/11/05 09:50							
% Solids	NCA SOP	78.2	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-75	Soil	SS-21	Sampled: 11/11/05 09:20							
% Solids	NCA SOP	75.4	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-76	Soil	SS-22	Sampled: 11/11/05 08:55							
% Solids	NCA SOP	78.1	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-77	Soil	SS-23	Sampled: 11/11/05 08:48							
% Solids	NCA SOP	74.5	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc.	Project Name: Medford	
9615 SW Allen Blvd. Suite 106	Project Number: [none]	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	12/01/05 16:43

Percent Dry Weight (Solids) per Standard Methods
 North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0632-78	Soil	BG-1	Sampled: 11/11/05 10:40							
% Solids	NCA SOP	77.0	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-79	Soil	BG-2	Sampled: 11/11/05 11:05							
% Solids	NCA SOP	80.8	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-80	Soil	BG-3	Sampled: 11/11/05 11:40							
% Solids	NCA SOP	84.6	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-81	Soil	BG-4	Sampled: 11/11/05 11:49							
% Solids	NCA SOP	87.2	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-82	Soil	BG-5	Sampled: 11/11/05 11:55							
% Solids	NCA SOP	86.5	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-83	Soil	BG-6	Sampled: 11/11/05 12:05							
% Solids	NCA SOP	78.0	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-84	Soil	SS-5 Dup	Sampled: 11/10/05 14:52							
% Solids	NCA SOP	74.7	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-85	Soil	TP-3/S-4 Dup	Sampled: 11/09/05 12:00							
% Solids	NCA SOP	83.0	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-86	Soil	TP-7/S-1 Dup	Sampled: 11/09/05 14:24							
% Solids	NCA SOP	76.9	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-87	Soil	TP-10/S-2 Dup	Sampled: 11/10/05 09:45							
% Solids	NCA SOP	79.5	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	
P5K0632-89	Soil	SS-6	Sampled: 11/10/05 15:00							
% Solids	NCA SOP	79.7	----	1.00	% by Weight	1x	5111014	11/21/05	11/22/05 10:33	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc.	Project Name: Medford	
9615 SW Allen Blvd. Suite 106	Project Number: [none]	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	12/01/05 16:43

Total Metals per EPA 200 Series Methods - Laboratory Quality Control Results
 North Creek Analytical - Portland

QC Batch: 5111009 Water Preparation Method: EPA 200/3005

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (5111009-BLK1)								Extracted: 11/21/05 10:28						
Arsenic	EPA 200.8	ND	---	0.00100	mg/l	1x	--	--	--	--	--	--	11/23/05 07:11	
LCS (5111009-BS1)								Extracted: 11/21/05 10:28						
Arsenic	EPA 200.8	0.105	---	0.00100	mg/l	1x	--	0.100	105%	(85-115)	--	--	11/23/05 07:24	
Duplicate (5111009-DUP1)				QC Source: P5K0715-01				Extracted: 11/21/05 10:28						
Arsenic	EPA 200.8	0.00123	---	0.00100	mg/l	1x	0.00130	--	--	--	5.53% (20)	--	11/23/05 08:14	
Matrix Spike (5111009-MS1)				QC Source: P5K0715-01				Extracted: 11/21/05 10:28						
Arsenic	EPA 200.8	0.120	---	0.00100	mg/l	1x	0.00130	0.100	119%	(70-130)	--	--	11/23/05 08:39	

North Creek Analytical - Portland

Lisa Domenighini, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
 Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc.	Project Name: Medford	
9615 SW Allen Blvd. Suite 106	Project Number: [none]	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	12/01/05 16:43

Total Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results

North Creek Analytical - Portland

QC Batch: 5110912	Soil Preparation Method: EPA 3050
--------------------------	--

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (5110912-BLK1)								Extracted: 11/18/05 11:21						
Arsenic	EPA 6020	ND	---	0.521	mg/kg	1x	--	--	--	--	--	--	11/23/05 14:39	
LCS (5110912-BS1)								Extracted: 11/18/05 11:21						
Arsenic	EPA 6020	10.5	---	0.526	mg/kg	1x	--	10.5	100%	(80-120)	--	--	11/23/05 14:47	
Duplicate (5110912-DUP1)				QC Source: P5K0560-03				Extracted: 11/18/05 11:21						
Arsenic	EPA 6020	3.43	---	0.608	mg/kg dry	1x	3.85	--	--	--	11.5% (40)	--	11/23/05 15:48	
Matrix Spike (5110912-MS1)				QC Source: P5K0560-03				Extracted: 11/18/05 11:21						
Arsenic	EPA 6020	17.3	---	0.653	mg/kg dry	1x	3.85	13.1	103%	(75-125)	--	--	11/23/05 15:56	
Matrix Spike (5110912-MS2)				QC Source: P5K0560-04				Extracted: 11/18/05 11:21						
Arsenic	EPA 6020	16.9	---	0.638	mg/kg dry	1x	5.27	12.8	90.9%	(75-125)	--	--	11/23/05 16:19	
Post Spike (5110912-PS1)				QC Source: P5K0560-03				Extracted: 11/18/05 11:21						
Arsenic	EPA 6020	0.278	---		ug/ml	1x	0.0596	0.200	109%	(75-125)	--	--	11/23/05 16:03	

QC Batch: 5111060	Soil Preparation Method: EPA 3050
--------------------------	--

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (5111060-BLK1)								Extracted: 11/22/05 09:06						
Arsenic	EPA 6020	ND	---	0.476	mg/kg	1x	--	--	--	--	--	--	11/23/05 10:58	
LCS (5111060-BS1)								Extracted: 11/22/05 09:06						
Arsenic	EPA 6020	9.77	---	0.495	mg/kg	1x	--	9.90	98.7%	(80-120)	--	--	11/23/05 11:06	
Duplicate (5111060-DUP1)				QC Source: P5K0279-01				Extracted: 11/22/05 09:06						
Arsenic	EPA 6020	3.53	---	0.608	mg/kg dry	1x	5.17	--	--	--	37.7% (40)	--	11/23/05 11:21	
Matrix Spike (5111060-MS1)				QC Source: P5K0279-01				Extracted: 11/22/05 09:06						
Arsenic	EPA 6020	15.9	---	0.615	mg/kg dry	1x	5.17	12.3	87.2%	(75-125)	--	--	11/23/05 11:36	
Matrix Spike (5111060-MS2)				QC Source: P5K0279-02				Extracted: 11/22/05 09:06						
Arsenic	EPA 6020	11.9	---	0.556	mg/kg dry	1x	6.13	11.1	52.0%	(75-125)	--	--	11/23/05 11:59	Q-02
Post Spike (5111060-PS1)				QC Source: P5K0279-01				Extracted: 11/22/05 09:06						
Arsenic	EPA 6020	0.294	---		ug/ml	1x	0.0866	0.200	104%	(75-125)	--	--	11/23/05 11:44	

North Creek Analytical - Portland

Lisa Domenighini, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: Medford Project Number: [none] Project Manager: Michael Pickering	Report Created: 12/01/05 16:43
---	--	-----------------------------------

Total Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results
 North Creek Analytical - Portland

QC Batch: 5111061 Soil Preparation Method: EPA 3050

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (5111061-BLK1)										Extracted: 11/22/05 09:08				
Antimony	EPA 6020	ND	---	0.526	mg/kg	1x	--	--	--	--	--	--	11/29/05 16:11	
Arsenic	"	ND	---	0.526	"	"	--	--	--	--	--	--	"	
Arsenic	"	ND	---	0.526	"	"	--	--	--	--	--	--	"	
Barium	"	ND	---	0.526	"	"	--	--	--	--	--	--	"	
Beryllium	"	ND	---	0.526	"	"	--	--	--	--	--	--	"	
Cadmium	"	ND	---	0.526	"	"	--	--	--	--	--	--	"	
Chromium	"	ND	---	0.526	"	"	--	--	--	--	--	--	"	
Cobalt	"	ND	---	0.526	"	"	--	--	--	--	--	--	"	
Copper	"	ND	---	2.11	"	"	--	--	--	--	--	--	"	
Lead	"	ND	---	0.526	"	"	--	--	--	--	--	--	"	
Molybdenum	"	ND	---	2.63	"	"	--	--	--	--	--	--	"	
Nickel	"	ND	---	1.05	"	"	--	--	--	--	--	--	"	
Selenium	"	ND	---	0.526	"	"	--	--	--	--	--	--	"	
Silver	"	ND	---	0.526	"	"	--	--	--	--	--	--	"	
Thallium	"	ND	---	0.526	"	"	--	--	--	--	--	--	"	
Vanadium	"	ND	---	0.526	"	"	--	--	--	--	--	--	"	
Zinc	"	ND	---	2.11	"	"	--	--	--	--	--	--	"	

LCS (5111061-BS1)										Extracted: 11/22/05 09:08				
Antimony	EPA 6020	4.72	---	0.485	mg/kg	1x	--	4.85	97.3%	(80-120)	--	--	11/29/05 16:34	
Arsenic	"	9.38	---	0.485	"	"	--	9.71	96.6%	"	--	--	"	
Arsenic	"	9.38	---	0.485	"	"	--	"	96.6%	"	--	--	"	
Barium	"	10.0	---	0.485	"	"	--	"	103%	"	--	--	"	
Beryllium	"	4.53	---	0.485	"	"	--	4.85	93.4%	"	--	--	"	
Cadmium	"	9.34	---	0.485	"	"	--	9.71	96.2%	"	--	--	"	
Chromium	"	9.17	---	0.485	"	"	--	"	94.4%	"	--	--	"	
Cobalt	"	9.00	---	0.485	"	"	--	"	92.7%	"	--	--	"	
Copper	"	9.62	---	1.94	"	"	--	"	99.1%	"	--	--	"	
Lead	"	8.50	---	0.485	"	"	--	"	87.5%	"	--	--	"	
Molybdenum	"	7.93	---	2.43	"	"	--	"	81.7%	"	--	--	"	
Nickel	"	9.05	---	0.971	"	"	--	"	93.2%	"	--	--	"	
Selenium	"	4.54	---	0.485	"	"	--	4.85	93.6%	"	--	--	"	
Silver	"	5.15	---	0.485	"	"	--	"	106%	"	--	--	"	
Thallium	"	4.79	---	0.485	"	"	--	"	98.8%	"	--	--	"	
Vanadium	"	9.13	---	0.485	"	"	--	9.71	94.0%	"	--	--	"	
Zinc	"	9.28	---	1.94	"	"	--	"	95.6%	"	--	--	"	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
 Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name:	Medford	
	Project Number:	[none]	Report Created:
	Project Manager:	Michael Pickering	12/01/05 16:43

Total Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results

North Creek Analytical - Portland

QC Batch: 5111061	Soil Preparation Method: EPA 3050
-------------------	-----------------------------------

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes	
Duplicate (5111061-DUP1)		QC Source: P5K0632-17						Extracted: 11/22/05 09:08							
Antimony	EPA 6020	ND	---	0.521	mg/kg dry	1x	ND	--	--	--	29.1%	(40)	11/29/05 17:20		
Arsenic	"	81.2	---	0.652	"	"	83.1	--	--	--	2.31%	"	"		
Arsenic	"	81.2	---	0.521	"	"	83.1	--	--	--	2.31%	"	"		
Barium	"	198	---	0.521	"	"	190	--	--	--	4.12%	"	"		
Beryllium	"	0.554	---	0.521	"	"	0.532	--	--	--	4.05%	"	"		
Cadmium	"	ND	---	0.521	"	"	ND	--	--	--	NR	"	"		
Chromium	"	31.3	---	0.521	"	"	28.6	--	--	--	9.02%	"	"		
Cobalt	"	16.7	---	0.521	"	"	15.2	--	--	--	9.40%	"	"		
Copper	"	37.6	---	2.08	"	"	38.0	--	--	--	1.06%	"	"		
Lead	"	269	---	2.60	"	5x	333	--	--	--	21.3%	"	11/30/05 13:57		
Molybdenum	"	ND	---	2.60	"	1x	ND	--	--	--	10.1%	"	11/29/05 17:20		
Nickel	"	20.2	---	1.04	"	"	18.8	--	--	--	7.18%	"	"		
Selenium	"	0.714	---	0.521	"	"	0.569	--	--	--	22.6%	"	"		
Silver	"	ND	---	0.521	"	"	ND	--	--	--	1.86%	"	"		
Thallium	"	ND	---	0.521	"	"	ND	--	--	--	NR	"	"		
Vanadium	"	87.9	---	0.521	"	"	82.3	--	--	--	6.58%	"	"		
Zinc	"	74.8	---	2.08	"	"	72.1	--	--	--	3.68%	"	"		

Matrix Spike (5111061-MS1)		QC Source: P5K0632-17						Extracted: 11/22/05 09:08							
Antimony	EPA 6020	1.84	---	0.490	mg/kg dry	1x	0.319	6.14	24.8%	(75-125)	--	--	11/29/05 17:35	Q-02	
Arsenic	"	118	---	0.490	"	"	83.1	12.3	284%	"	--	--	"	Q-02	
Arsenic	"	118	---	0.614	"	"	83.1	"	284%	"	--	--	"	Q-02	
Barium	"	210	---	0.490	"	"	190	"	163%	"	--	--	"	Q-02	
Beryllium	"	6.02	---	0.490	"	"	0.532	6.14	89.4%	"	--	--	"		
Cadmium	"	11.5	---	0.490	"	"	ND	12.3	93.5%	"	--	--	"		
Chromium	"	44.1	---	0.490	"	"	28.6	"	126%	"	--	--	"	Q-02	
Cobalt	"	28.5	---	0.490	"	"	15.2	"	108%	"	--	--	"		
Copper	"	50.3	---	1.96	"	"	38.0	"	100%	"	--	--	"		
Lead	"	273	---	2.45	"	5x	333	"	NR	"	--	--	11/30/05 13:42	Q-07	
Molybdenum	"	9.42	---	2.45	"	1x	1.98	"	60.5%	"	--	--	11/29/05 17:35	Q-02	
Nickel	"	30.3	---	0.980	"	"	18.8	"	93.5%	"	--	--	"		
Selenium	"	6.35	---	0.490	"	"	0.569	6.14	94.2%	"	--	--	"		
Silver	"	6.26	---	0.490	"	"	0.0851	"	101%	"	--	--	"		
Thallium	"	5.77	---	0.490	"	"	0.245	"	90.0%	"	--	--	"		
Vanadium	"	105	---	0.490	"	"	82.3	12.3	185%	"	--	--	"	Q-02	
Zinc	"	88.2	---	1.96	"	"	72.1	"	131%	"	--	--	"	Q-02	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name:	Medford	<u>Report Created:</u> 12/01/05 16:43
	Project Number:	[none]	
	Project Manager:	Michael Pickering	

Total Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results

North Creek Analytical - Portland

QC Batch: 5111061	Soil Preparation Method: EPA 3050
-------------------	-----------------------------------

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes	
Matrix Spike (5111061-MS2)			QC Source: P5K0632-18					Extracted: 11/22/05 09:08							
Antimony	EPA 6020	1.81	---	0.515	mg/kg dry	1x	0.114	6.48	26.2%	(75-125)	--	--	11/29/05 17:58	Q-02	
Arsenic	"	58.0	---	0.515	"	"	54.1	13.0	30.0%	"	--	--	"	Q-02	
Arsenic	"	58.0	---	0.648	"	"	54.1	"	30.0%	"	--	--	"	Q-02	
Barium	"	216	---	0.515	"	"	196	"	154%	"	--	--	"	Q-02	
Beryllium	"	6.56	---	0.515	"	"	0.598	6.48	92.0%	"	--	--	"		
Cadmium	"	12.2	---	0.515	"	"	ND	13.0	93.8%	"	--	--	"		
Chromium	"	46.8	---	0.515	"	"	33.2	"	105%	"	--	--	"		
Cobalt	"	30.0	---	0.515	"	"	15.5	"	112%	"	--	--	"		
Copper	"	49.4	---	2.06	"	"	37.6	"	90.8%	"	--	--	"		
Lead	"	96.4	---	1.03	"	2x	137	"	NR	"	--	--	11/30/05 14:35	Q-02	
Molybdenum	"	10.3	---	2.58	"	1x	ND	"	79.2%	"	--	--	11/29/05 17:58		
Nickel	"	34.0	---	1.03	"	"	19.5	"	112%	"	--	--	"		
Selenium	"	6.87	---	0.515	"	"	ND	6.48	106%	"	--	--	"		
Silver	"	6.93	---	0.515	"	"	0.0721	"	106%	"	--	--	"		
Thallium	"	6.26	---	0.515	"	"	ND	"	96.6%	"	--	--	"		
Vanadium	"	118	---	0.515	"	"	94.8	13.0	178%	"	--	--	"	Q-02	
Zinc	"	81.6	---	2.06	"	"	69.3	"	94.6%	"	--	--	"		

Post Spike (5111061-PS1)			QC Source: P5K0632-17					Extracted: 11/22/05 09:08							
Antimony	EPA 6020	0.0793	---		ug/ml	1x	0.00489	0.100	74.4%	(75-125)	--	--	11/29/05 17:42	Q-02	
Arsenic	"	1.58	---		"	"	1.28	0.200	150%	"	--	--	"	Q-02	
Arsenic	"	1.58	---		"	"	1.28	"	150%	"	--	--	"	Q-02	
Barium	"	3.26	---		"	"	2.92	"	170%	"	--	--	"	Q-02	
Beryllium	"	0.0962	---		"	"	0.00816	0.100	88.0%	"	--	--	"		
Cadmium	"	0.173	---		"	"	-0.00602	0.200	89.5%	"	--	--	"		
Chromium	"	0.666	---		"	"	0.439	"	114%	"	--	--	"		
Cobalt	"	0.429	---		"	"	0.234	"	97.5%	"	--	--	"		
Copper	"	0.752	---		"	"	0.583	"	84.5%	"	--	--	"		
Lead	"	4.31	---		"	5x	5.11	"	NR	"	--	--	11/30/05 14:05	Q-02	
Molybdenum	"	0.161	---		"	1x	0.0304	"	65.3%	"	--	--	11/29/05 17:42	Q-02	
Nickel	"	0.449	---		"	"	0.288	"	80.5%	"	--	--	"		
Selenium	"	0.103	---		"	"	0.00872	0.100	94.3%	"	--	--	"		
Silver	"	0.101	---		"	"	0.00130	"	99.7%	"	--	--	"		
Thallium	"	0.0919	---		"	"	0.00377	"	88.1%	"	--	--	"		
Vanadium	"	1.60	---		"	"	1.26	0.200	170%	"	--	--	"	Q-02	
Zinc	"	1.30	---		"	"	1.11	"	95.0%	"	--	--	"		

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc.	Project Name: Medford	
9615 SW Allen Blvd. Suite 106	Project Number: [none]	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	12/01/05 16:43

Total Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results

North Creek Analytical - Portland

QC Batch: 5111108	Soil Preparation Method: EPA 3050
--------------------------	--

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (5111108-BLK1)													Extracted: 11/22/05 15:19	
Arsenic	EPA 6020	ND	---	0.510	mg/kg	1x	--	--	--	--	--	--	11/29/05 07:58	
LCS (5111108-BS1)													Extracted: 11/22/05 15:19	
Arsenic	EPA 6020	9.40	---	0.526	mg/kg	1x	--	10.5	89.5%	(80-120)	--	--	11/29/05 08:14	
Duplicate (5111108-DUP1)													QC Source: P5K0632-35	Extracted: 11/22/05 15:19
Arsenic	EPA 6020	5.44	---	0.630	mg/kg dry	1x	5.23	--	--	--	3.94% (40)	--	11/29/05 08:45	
Matrix Spike (5111108-MS1)													QC Source: P5K0632-35	Extracted: 11/22/05 15:19
Arsenic	EPA 6020	15.8	---	0.630	mg/kg dry	1x	5.23	12.6	83.9%	(75-125)	--	--	11/29/05 09:00	
Matrix Spike (5111108-MS2)													QC Source: P5K0632-36	Extracted: 11/22/05 15:19
Arsenic	EPA 6020	42.8	---	0.654	mg/kg dry	1x	34.8	13.1	61.1%	(75-125)	--	--	11/29/05 10:03	Q-02
Post Spike (5111108-PS1)													QC Source: P5K0632-35	Extracted: 11/22/05 15:19
Arsenic	EPA 6020	0.276	---		ug/ml	1x	0.0822	0.200	96.9%	(75-125)	--	--	11/29/05 09:32	

QC Batch: 5111109	Soil Preparation Method: EPA 3050
--------------------------	--

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (5111109-BLK1)													Extracted: 11/22/05 15:21	
Antimony	EPA 6020	ND	---	0.481	mg/kg	1x	--	--	--	--	--	--	11/29/05 22:56	
Arsenic	"	ND	---	0.481	"	"	--	--	--	--	--	--	"	
Arsenic	"	ND	---	0.481	"	"	--	--	--	--	--	--	"	
Barium	"	ND	---	0.481	"	"	--	--	--	--	--	--	"	
Beryllium	"	ND	---	0.481	"	"	--	--	--	--	--	--	"	
Cadmium	"	ND	---	0.481	"	"	--	--	--	--	--	--	"	
Chromium	"	ND	---	0.481	"	"	--	--	--	--	--	--	"	
Cobalt	"	ND	---	0.481	"	"	--	--	--	--	--	--	"	
Copper	"	ND	---	1.92	"	"	--	--	--	--	--	--	"	
Lead	"	ND	---	0.481	"	"	--	--	--	--	--	--	"	
Molybdenum	"	ND	---	2.88	"	"	--	--	--	--	--	--	11/30/05 13:45	
Nickel	"	ND	---	0.962	"	"	--	--	--	--	--	--	11/29/05 22:56	
Selenium	"	ND	---	0.481	"	"	--	--	--	--	--	--	"	
Silver	"	ND	---	0.481	"	"	--	--	--	--	--	--	"	
Thallium	"	ND	---	0.481	"	"	--	--	--	--	--	--	"	
Vanadium	"	ND	---	0.481	"	"	--	--	--	--	--	--	"	
Zinc	"	ND	---	1.92	"	"	--	--	--	--	--	--	"	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: Medford Project Number: [none] Project Manager: Michael Pickering	Report Created: 12/01/05 16:43
---	--	-----------------------------------

Total Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results

North Creek Analytical - Portland

QC Batch: 5111109 Soil Preparation Method: EPA 3050

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
---------	--------	--------	------	-----	-------	-----	---------------	-----------	-------	----------	-------	----------	----------	-------

Blank (5111109-BLK2)

Extracted: 11/22/05 15:21

Arsenic	EPA 6020	ND	---	0.481	mg/kg	1x	--	--	--	--	--	--	11/29/05 17:04	
---------	----------	----	-----	-------	-------	----	----	----	----	----	----	----	----------------	--

LCS (5111109-BS1)

Extracted: 11/22/05 15:21

Antimony	EPA 6020	4.83	---	0.500	mg/kg	1x	--	5.00	96.6%	(80-120)	--	--	11/29/05 23:04	
Arsenic	"	8.88	---	0.500	"	"	--	10.0	88.8%	"	--	--	"	
Arsenic	"	8.88	---	0.500	"	"	--	"	88.8%	"	--	--	"	
Barium	"	9.18	---	0.500	"	"	--	"	91.8%	"	--	--	"	
Beryllium	"	4.39	---	0.500	"	"	--	5.00	87.8%	"	--	--	"	
Cadmium	"	8.71	---	0.500	"	"	--	10.0	87.1%	"	--	--	"	
Chromium	"	9.27	---	0.500	"	"	--	"	92.7%	"	--	--	"	
Cobalt	"	8.70	---	0.500	"	"	--	"	87.0%	"	--	--	"	
Copper	"	9.16	---	2.00	"	"	--	"	91.6%	"	--	--	"	
Lead	"	8.52	---	0.500	"	"	--	"	85.2%	"	--	--	"	
Molybdenum	"	9.64	---	3.00	"	"	--	"	96.4%	"	--	--	11/30/05 14:01	
Nickel	"	8.90	---	1.00	"	"	--	"	89.0%	"	--	--	11/29/05 23:04	
Selenium	"	4.17	---	0.500	"	"	--	5.00	83.4%	"	--	--	"	
Silver	"	4.86	---	0.500	"	"	--	"	97.2%	"	--	--	"	
Thallium	"	4.83	---	0.500	"	"	--	"	96.6%	"	--	--	"	
Vanadium	"	9.17	---	0.500	"	"	--	10.0	91.7%	"	--	--	"	
Zinc	"	8.98	---	2.00	"	"	--	"	89.8%	"	--	--	"	

LCS (5111109-BS2)

Extracted: 11/22/05 15:21

Arsenic	EPA 6020	8.52	---	0.500	mg/kg	1x	--	10.0	85.2%	(80-120)	--	--	11/29/05 17:19	
---------	----------	------	-----	-------	-------	----	----	------	-------	----------	----	----	----------------	--

Duplicate (5111109-DUP1)

QC Source: P5K0632-56

Extracted: 11/22/05 15:21

Antimony	EPA 6020	ND	---	0.521	mg/kg dry	1x	ND	--	--	--	30.2% (40)	--	11/29/05 23:19	
Arsenic	"	18.1	---	0.649	"	"	19.3	--	--	--	6.42%	"	"	
Arsenic	"	18.1	---	0.521	"	"	19.3	--	--	--	6.42%	"	"	
Barium	"	171	---	0.521	"	"	169	--	--	--	1.18%	"	"	
Beryllium	"	ND	---	0.521	"	"	ND	--	--	--	2.91%	"	"	
Cadmium	"	ND	---	0.521	"	"	ND	--	--	--	NR	"	"	
Chromium	"	26.4	---	0.521	"	"	28.6	--	--	--	8.00%	"	"	
Cobalt	"	12.9	---	0.521	"	"	13.6	--	--	--	5.28%	"	"	
Copper	"	46.9	---	2.08	"	"	48.1	--	--	--	2.53%	"	"	
Lead	"	58.7	---	0.521	"	"	63.7	--	--	--	8.17%	"	"	
Molybdenum	"	ND	---	3.12	"	"	ND	--	--	--	NR	"	11/30/05 14:32	
Nickel	"	15.5	---	1.04	"	"	16.4	--	--	--	5.64%	"	11/29/05 23:19	
Selenium	"	ND	---	0.521	"	"	ND	--	--	--	NR	"	"	
Silver	"	ND	---	0.521	"	"	ND	--	--	--	3.41%	"	"	
Thallium	"	ND	---	0.521	"	"	ND	--	--	--	0.669%	"	"	
Vanadium	"	73.4	---	0.521	"	"	77.8	--	--	--	5.82%	"	"	
Zinc	"	68.6	---	2.08	"	"	73.0	--	--	--	6.21%	"	"	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: Medford Project Number: [none] Project Manager: Michael Pickering	Report Created: 12/01/05 16:43
---	--	-----------------------------------

Total Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results

North Creek Analytical - Portland

QC Batch: 5111109 Soil Preparation Method: EPA 3050

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
---------	--------	--------	------	-----	-------	-----	---------------	-----------	-------	----------	-------	----------	----------	-------

Matrix Spike (5111109-MS1)

QC Source: P5K0632-56

Extracted: 11/22/05 15:21

Antimony	EPA 6020	1.77	---	0.526	mg/kg dry	1x	0.109	6.55	25.4%	(75-125)	--	--	11/29/05 23:50	Q-02
Arsenic	"	32.7	---	0.655	"	"	19.3	13.1	102%	"	--	--	"	
Arsenic	"	32.7	---	0.526	"	"	19.3	"	102%	"	--	--	"	
Barium	"	190	---	0.526	"	"	169	"	160%	"	--	--	"	Q-02
Beryllium	"	6.18	---	0.526	"	"	0.406	6.55	88.2%	"	--	--	"	
Cadmium	"	11.7	---	0.526	"	"	ND	13.1	89.3%	"	--	--	"	
Chromium	"	41.1	---	0.526	"	"	28.6	"	95.4%	"	--	--	"	
Cobalt	"	25.5	---	0.526	"	"	13.6	"	90.8%	"	--	--	"	
Copper	"	61.9	---	2.11	"	"	48.1	"	105%	"	--	--	"	
Lead	"	76.6	---	0.526	"	"	63.7	"	98.5%	"	--	--	"	
Molybdenum	"	11.1	---	3.16	"	"	ND	"	84.7%	"	--	--	11/30/05 15:04	Q-02
Nickel	"	28.7	---	1.05	"	"	16.4	"	93.9%	"	--	--	11/29/05 23:50	
Selenium	"	5.94	---	0.526	"	"	ND	6.55	90.7%	"	--	--	11/30/05 14:43	
Silver	"	6.61	---	0.526	"	"	0.0577	"	100%	"	--	--	11/29/05 23:50	
Thallium	"	6.27	---	0.526	"	"	0.300	"	91.1%	"	--	--	"	
Vanadium	"	91.1	---	0.526	"	"	77.8	13.1	102%	"	--	--	"	
Zinc	"	89.1	---	2.11	"	"	73.0	"	123%	"	--	--	"	

Matrix Spike (5111109-MS2)

QC Source: P5K0632-57

Extracted: 11/22/05 15:21

Antimony	EPA 6020	1.82	---	0.515	mg/kg dry	1x	0.158	6.35	26.2%	(75-125)	--	--	11/30/05 00:12	Q-02
Arsenic	"	55.3	---	0.515	"	"	45.4	12.7	78.0%	"	--	--	"	
Arsenic	"	55.3	---	0.635	"	"	45.4	"	78.0%	"	--	--	"	
Barium	"	182	---	0.515	"	"	170	"	94.5%	"	--	--	"	
Beryllium	"	6.23	---	0.515	"	"	0.427	6.35	91.4%	"	--	--	"	
Cadmium	"	10.9	---	0.515	"	"	ND	12.7	85.8%	"	--	--	"	
Chromium	"	38.7	---	0.515	"	"	26.5	"	96.1%	"	--	--	"	
Cobalt	"	24.1	---	0.515	"	"	13.7	"	81.9%	"	--	--	"	
Copper	"	54.6	---	2.06	"	"	42.3	"	96.9%	"	--	--	"	
Lead	"	210	---	0.515	"	"	204	"	47.2%	"	--	--	"	Q-02
Molybdenum	"	11.1	---	3.09	"	"	ND	"	87.4%	"	--	--	11/30/05 15:51	
Nickel	"	26.8	---	1.03	"	"	16.1	"	84.3%	"	--	--	11/30/05 00:12	
Selenium	"	5.30	---	0.515	"	"	ND	6.35	83.5%	"	--	--	11/30/05 15:06	
Silver	"	6.22	---	0.515	"	"	0.0498	"	97.2%	"	--	--	11/30/05 00:12	
Thallium	"	6.01	---	0.515	"	"	0.307	"	89.8%	"	--	--	"	
Vanadium	"	87.1	---	0.515	"	"	72.7	12.7	113%	"	--	--	"	
Zinc	"	85.3	---	2.06	"	"	72.0	"	105%	"	--	--	"	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc.	Project Name: Medford	
9615 SW Allen Blvd. Suite 106	Project Number: [none]	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	12/01/05 16:43

Total Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results

North Creek Analytical - Portland

QC Batch: 5111109	Soil Preparation Method: EPA 3050
-------------------	-----------------------------------

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Post Spike (5111109-PS1)						QC Source: P5K0632-56		Extracted: 11/22/05 15:21						
Antimony	EPA 6020	0.0858	---		ug/ml	1x	0.00172	0.100	84.1%	(75-125)	--	--	11/29/05 23:57	
Arsenic	"	0.450	---		"	"	0.304	0.200	73.0%	"	--	--	"	Q-02
Arsenic	"	0.450	---		"	"	0.304	"	73.0%	"	--	--	"	Q-02
Barium	"	2.53	---		"	"	2.66	"	NR	"	--	--	"	Q-02
Beryllium	"	0.0938	---		"	"	0.00639	0.100	87.4%	"	--	--	"	
Cadmium	"	0.176	---		"	"	-0.00752	0.200	91.8%	"	--	--	"	
Chromium	"	0.567	---		"	"	0.450	"	58.5%	"	--	--	"	Q-02
Cobalt	"	0.352	---		"	"	0.213	"	69.5%	"	--	--	"	Q-02
Copper	"	0.863	---		"	"	0.757	"	53.0%	"	--	--	"	Q-02
Lead	"	1.02	---		"	"	1.00	"	10.0%	"	--	--	"	Q-02
Molybdenum	"	0.192	---		"	"	0.00439	"	93.8%	"	--	--	11/30/05 15:20	
Nickel	"	0.401	---		"	"	0.259	"	71.0%	"	--	--	11/29/05 23:57	Q-02
Selenium	"	0.0905	---		"	"	0.000408	0.100	90.1%	"	--	--	11/30/05 14:51	
Silver	"	0.0945	---		"	"	0.000909	"	93.6%	"	--	--	11/29/05 23:57	
Thallium	"	0.0895	---		"	"	0.00472	"	84.8%	"	--	--	"	
Vanadium	"	1.24	---		"	"	1.22	0.200	10.0%	"	--	--	"	Q-02
Zinc	"	1.21	---		"	"	1.15	"	30.0%	"	--	--	"	Q-02

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: Medford Project Number: [none] Project Manager: Michael Pickering	Report Created: 12/01/05 16:43
---	--	-----------------------------------

Total Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results

North Creek Analytical - Portland

QC Batch: 5111152	Soil Preparation Method: EPA 3050
-------------------	-----------------------------------

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (5111152-BLK1)										Extracted: 11/23/05 11:43				
Antimony	EPA 6020	ND	---	0.481	mg/kg	1x	--	--	--	--	--	--	11/30/05 00:35	
Arsenic	"	ND	---	0.481	"	"	--	--	--	--	--	--	"	
Arsenic	"	ND	---	0.481	"	"	--	--	--	--	--	--	11/29/05 22:48	
Barium	"	ND	---	0.481	"	"	--	--	--	--	--	--	11/30/05 00:35	
Beryllium	"	ND	---	0.481	"	"	--	--	--	--	--	--	"	
Cadmium	"	ND	---	0.481	"	"	--	--	--	--	--	--	"	
Chromium	"	ND	---	0.481	"	"	--	--	--	--	--	--	"	
Cobalt	"	ND	---	0.481	"	"	--	--	--	--	--	--	"	
Copper	"	ND	---	1.92	"	"	--	--	--	--	--	--	"	
Lead	"	ND	---	0.481	"	"	--	--	--	--	--	--	"	
Molybdenum	"	ND	---	2.88	"	"	--	--	--	--	--	--	"	
Nickel	"	ND	---	0.962	"	"	--	--	--	--	--	--	"	
Selenium	"	ND	---	0.481	"	"	--	--	--	--	--	--	11/30/05 11:47	
Silver	"	ND	---	0.481	"	"	--	--	--	--	--	--	11/30/05 00:35	
Thallium	"	ND	---	0.481	"	"	--	--	--	--	--	--	"	
Vanadium	"	ND	---	0.481	"	"	--	--	--	--	--	--	"	
Zinc	"	ND	---	1.92	"	"	--	--	--	--	--	--	"	

Blank (5111152-BLK2)										Extracted: 11/23/05 11:43				
Arsenic	EPA 6020	ND	---	0.481	mg/kg	1x	--	--	--	--	--	--	11/30/05 00:35	

LCS (5111152-BS1)										Extracted: 11/23/05 11:43				
Antimony	EPA 6020	4.87	---	0.490	mg/kg	1x	--	4.90	99.4%	(80-120)	--	--	11/30/05 00:28	
Arsenic	"	9.79	---	0.490	"	"	--	9.80	99.9%	"	--	--	"	
Arsenic	"	8.46	---	0.490	"	"	--	"	86.3%	"	--	--	11/29/05 22:32	
Barium	"	9.89	---	0.490	"	"	--	"	101%	"	--	--	11/30/05 00:28	
Beryllium	"	4.67	---	0.490	"	"	--	4.90	95.3%	"	--	--	"	
Cadmium	"	9.64	---	0.490	"	"	--	9.80	98.4%	"	--	--	"	
Chromium	"	9.94	---	0.490	"	"	--	"	101%	"	--	--	"	
Cobalt	"	9.14	---	0.490	"	"	--	"	93.3%	"	--	--	"	
Copper	"	10.2	---	1.96	"	"	--	"	104%	"	--	--	"	
Lead	"	9.17	---	0.490	"	"	--	"	93.6%	"	--	--	"	
Molybdenum	"	8.04	---	2.94	"	"	--	"	82.0%	"	--	--	"	
Nickel	"	9.01	---	0.980	"	"	--	"	91.9%	"	--	--	"	
Selenium	"	4.59	---	0.490	"	"	--	4.90	93.7%	"	--	--	11/30/05 11:39	
Silver	"	4.69	---	0.490	"	"	--	"	95.7%	"	--	--	11/30/05 00:28	
Thallium	"	4.60	---	0.490	"	"	--	"	93.9%	"	--	--	"	
Vanadium	"	9.83	---	0.490	"	"	--	9.80	100%	"	--	--	"	
Zinc	"	9.43	---	1.96	"	"	--	"	96.2%	"	--	--	"	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: Medford Project Number: [none] Project Manager: Michael Pickering	Report Created: 12/01/05 16:43
---	--	-----------------------------------

Total Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results
 North Creek Analytical - Portland

QC Batch: 5111152 Soil Preparation Method: EPA 3050

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
---------	--------	--------	------	-----	-------	-----	---------------	-----------	-------	----------	-------	----------	----------	-------

LCS (5111152-BS2)										Extracted: 11/23/05 11:43				
Arsenic	EPA 6020	9.79	---	0.490	mg/kg	1x	--	9.80	99.9%	(80-120)	--	--	11/30/05 00:28	

Duplicate (5111152-DUP1)										QC Source: P5K0632-50					Extracted: 11/23/05 11:43				
Antimony	EPA 6020	ND	---	0.505	mg/kg dry	1x	ND	--	--	--	NR	(40)	11/30/05 00:51						
Arsenic	"	8.32	---	0.606	"	"	8.56	--	--	--	2.84%	"	"						
Arsenic	"	8.32	---	0.505	"	"	8.56	--	--	--	2.84%	"	"						
Barium	"	173	---	0.505	"	"	164	--	--	--	5.34%	"	"						
Beryllium	"	0.525	---	0.505	"	"	ND	--	--	--	4.68%	"	"						
Cadmium	"	ND	---	0.505	"	"	ND	--	--	--	NR	"	"						
Chromium	"	36.1	---	0.505	"	"	33.7	--	--	--	6.88%	"	"						
Cobalt	"	14.5	---	0.505	"	"	13.5	--	--	--	7.14%	"	"						
Copper	"	39.6	---	2.02	"	"	36.0	--	--	--	9.52%	"	"						
Lead	"	5.91	---	0.505	"	"	6.46	--	--	--	8.89%	"	"						
Molybdenum	"	ND	---	3.03	"	"	ND	--	--	--	NR	"	"						
Nickel	"	19.8	---	1.01	"	"	19.4	--	--	--	2.04%	"	"						
Selenium	"	ND	---	0.505	"	"	ND	--	--	--	NR	"	11/30/05 12:02						
Silver	"	ND	---	0.505	"	"	ND	--	--	--	8.03%	"	11/30/05 00:51						
Thallium	"	ND	---	0.505	"	"	ND	--	--	--	5.59%	"	"						
Vanadium	"	91.3	---	0.505	"	"	88.3	--	--	--	3.34%	"	"						
Zinc	"	63.6	---	2.02	"	"	60.6	--	--	--	4.83%	"	"						

Matrix Spike (5111152-MS1)										QC Source: P5K0632-50					Extracted: 11/23/05 11:43				
Antimony	EPA 6020	1.20	---	0.485	mg/kg dry	1x	ND	5.82	20.6%	(75-125)	--	--	11/30/05 01:21	Q-02					
Arsenic	"	19.8	---	0.582	"	"	8.56	11.6	96.9%	"	--	--	"						
Arsenic	"	19.8	---	0.485	"	"	8.56	"	96.9%	"	--	--	"						
Barium	"	201	---	0.485	"	"	164	"	>300%	"	--	--	"	Q-02					
Beryllium	"	5.95	---	0.485	"	"	0.501	5.82	93.6%	"	--	--	"						
Cadmium	"	11.0	---	0.485	"	"	ND	11.6	94.8%	"	--	--	"						
Chromium	"	46.7	---	0.485	"	"	33.7	"	112%	"	--	--	"						
Cobalt	"	29.9	---	0.485	"	"	13.5	"	141%	"	--	--	"	Q-02					
Copper	"	51.9	---	1.94	"	"	36.0	"	137%	"	--	--	"	Q-02					
Lead	"	15.7	---	0.485	"	"	6.46	"	79.7%	"	--	--	"						
Molybdenum	"	7.83	---	2.91	"	"	ND	"	67.5%	"	--	--	"	Q-02					
Nickel	"	35.4	---	0.971	"	"	19.4	"	138%	"	--	--	"	Q-02					
Selenium	"	5.70	---	0.485	"	"	ND	5.82	97.9%	"	--	--	11/30/05 12:18						
Silver	"	5.69	---	0.485	"	"	0.0505	"	96.9%	"	--	--	11/30/05 01:21						
Thallium	"	5.52	---	0.485	"	"	0.278	"	90.1%	"	--	--	"						
Vanadium	"	117	---	0.485	"	"	88.3	11.6	247%	"	--	--	"	Q-02					
Zinc	"	75.8	---	1.94	"	"	60.6	"	131%	"	--	--	"	Q-02					

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
 Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: Medford Project Number: [none] Project Manager: Michael Pickering	Report Created: 12/01/05 16:43
---	--	-----------------------------------

Total Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results

North Creek Analytical - Portland

QC Batch: 5111152 Soil Preparation Method: EPA 3050

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes	
Matrix Spike (5111152-MS2)			QC Source: P5K0632-74				Extracted: 11/23/05 11:43								
Antimony	EPA 6020	1.54	---	0.500	mg/kg dry	1x	0.0665	6.39	23.1%	(75-125)	--	--	11/30/05 01:44	Q-02	
Arsenic	"	18.7	---	0.639	"	"	8.67	12.8	78.4%	"	--	--	"		
Arsenic	"	18.7	---	0.500	"	"	8.67	"	78.4%	"	--	--	"		
Barium	"	198	---	0.500	"	"	181	"	133%	"	--	--	"	Q-02	
Beryllium	"	6.66	---	0.500	"	"	0.603	6.39	94.8%	"	--	--	"		
Cadmium	"	12.0	---	0.500	"	"	ND	12.8	93.8%	"	--	--	"		
Chromium	"	49.5	---	0.500	"	"	34.6	"	116%	"	--	--	"		
Cobalt	"	28.7	---	0.500	"	"	15.8	"	101%	"	--	--	"		
Copper	"	84.4	---	2.00	"	"	115	"	NR	"	--	--	"	Q-02	
Lead	"	23.8	---	0.500	"	"	20.5	"	25.8%	"	--	--	"	Q-02	
Molybdenum	"	9.53	---	3.00	"	"	ND	"	74.5%	"	--	--	"	Q-02	
Nickel	"	33.8	---	1.00	"	"	19.4	"	112%	"	--	--	"		
Selenium	"	6.31	---	0.500	"	"	ND	6.39	98.7%	"	--	--	11/30/05 12:56		
Silver	"	6.57	---	0.500	"	"	0.0722	"	102%	"	--	--	11/30/05 01:44		
Thallium	"	6.11	---	0.500	"	"	0.314	"	90.7%	"	--	--	"		
Vanadium	"	121	---	0.500	"	"	98.8	12.8	173%	"	--	--	"	Q-02	
Zinc	"	87.1	---	2.00	"	"	75.9	"	87.5%	"	--	--	"		

Post Spike (5111152-PS1)			QC Source: P5K0632-50				Extracted: 11/23/05 11:43								
Antimony	EPA 6020	0.0874	---		ug/ml	1x	0.000339	0.100	87.1%	(75-125)	--	--	11/30/05 01:29		
Arsenic	"	0.318	---		"	"	0.136	0.200	91.0%	"	--	--	"		
Arsenic	"	0.318	---		"	"	0.136	"	91.0%	"	--	--	"		
Barium	"	3.09	---		"	"	2.60	"	245%	"	--	--	"	Q-02	
Beryllium	"	0.0952	---		"	"	0.00794	0.100	87.3%	"	--	--	"		
Cadmium	"	0.178	---		"	"	-0.00611	0.200	92.1%	"	--	--	"		
Chromium	"	0.718	---		"	"	0.534	"	92.0%	"	--	--	"		
Cobalt	"	0.450	---		"	"	0.214	"	118%	"	--	--	"		
Copper	"	0.748	---		"	"	0.570	"	89.0%	"	--	--	"		
Lead	"	0.237	---		"	"	0.102	"	67.5%	"	--	--	"	Q-02	
Molybdenum	"	0.161	---		"	"	-0.00464	"	82.8%	"	--	--	"		
Nickel	"	0.560	---		"	"	0.307	"	126%	"	--	--	"	Q-02	
Selenium	"	0.0863	---		"	"	0.00451	0.100	81.8%	"	--	--	11/30/05 12:25		
Silver	"	0.0922	---		"	"	0.000800	"	91.4%	"	--	--	11/30/05 01:29		
Thallium	"	0.0888	---		"	"	0.00441	"	84.4%	"	--	--	"		
Vanadium	"	1.66	---		"	"	1.40	0.200	130%	"	--	--	"	Q-02	
Zinc	"	1.10	---		"	"	0.960	"	70.0%	"	--	--	"	Q-02	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: Medford Project Number: [none] Project Manager: Michael Pickering	Report Created: 12/01/05 16:43
---	--	-----------------------------------

Total Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results

North Creek Analytical - Portland

QC Batch: 5111360 Soil Preparation Method: EPA 3050

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (5111360-BLK1)								Extracted: 11/30/05 11:28						
Arsenic	EPA 6020	ND	---	0.495	mg/kg	1x	--	--	--	--	--	--	11/30/05 22:56	
LCS (5111360-BS1)								Extracted: 11/30/05 11:28						
Arsenic	EPA 6020	9.56	---	0.500	mg/kg	1x	--	10.0	95.6%	(80-120)	--	--	11/30/05 23:12	
Duplicate (5111360-DUP1)				QC Source: P5K0632-51				Extracted: 11/30/05 11:28						
Arsenic	EPA 6020	9.38	---	0.589	mg/kg dry	1x	10.2	--	--	--	8.38% (40)	--	11/30/05 23:44	
Matrix Spike (5111360-MS1)				QC Source: P5K0632-51				Extracted: 11/30/05 11:28						
Arsenic	EPA 6020	19.3	---	0.619	mg/kg dry	1x	10.2	12.4	73.4%	(75-125)	--	--	11/30/05 23:59	Q-02
Post Spike (5111360-PS1)				QC Source: P5K0632-51				Extracted: 11/30/05 11:28						
Arsenic	EPA 6020	0.376	---		ug/ml	1x	0.156	0.200	110%	(75-125)	--	--	12/01/05 00:31	

North Creek Analytical - Portland

Lisa Domenighini, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc.	Project Name: Medford	
9615 SW Allen Blvd. Suite 106	Project Number: [none]	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	12/01/05 16:43

Total Mercury per EPA Method 7471A - Laboratory Quality Control Results

North Creek Analytical - Portland

QC Batch: 5110849	Soil Preparation Method: EPA 7471A
--------------------------	---

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (5110849-BLK1)								Extracted: 11/17/05 10:09						
Mercury	EPA 7471A	ND	---	0.100	mg/kg	1x	--	--	--	--	--	--	11/17/05 12:54	
LCS (5110849-BS1)								Extracted: 11/17/05 10:09						
Mercury	EPA 7471A	1.05	---	0.100	mg/kg	1x	--	1.00	105%	(80-120)	--	--	11/17/05 12:57	
LCS Dup (5110849-BSD1)								Extracted: 11/17/05 10:09						
Mercury	EPA 7471A	1.01	---	0.100	mg/kg	1x	--	1.00	101%	(80-120)	3.88% (20)		11/17/05 13:00	
Duplicate (5110849-DUP1)				QC Source: P5K0695-01				Extracted: 11/17/05 10:09						
Mercury	EPA 7471A	ND	---	0.118	mg/kg dry	1x	ND	--	--	--	133% (40)		11/17/05 13:03	Q-06
Matrix Spike (5110849-MS1)				QC Source: P5K0695-01				Extracted: 11/17/05 10:09						
Mercury	EPA 7471A	1.39	---	0.136	mg/kg dry	1x	0.0103	1.36	101%	(75-125)	--	--	11/17/05 13:05	
Matrix Spike Dup (5110849-MSD1)				QC Source: P5K0695-01				Extracted: 11/17/05 10:09						
Mercury	EPA 7471A	1.22	---	0.122	mg/kg dry	1x	0.0103	1.22	99.2%	(75-125)	13.0% (40)		11/17/05 13:08	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name:	Medford	<u>Report Created:</u> 12/01/05 16:43
	Project Number:	[none]	
	Project Manager:	Michael Pickering	

Organochlorine Pesticides per EPA Method 8081A - Laboratory Quality Control Results

North Creek Analytical - Portland

QC Batch: 5110821	Soil Preparation Method: EPA 3550
-------------------	-----------------------------------

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
---------	--------	--------	------	-----	-------	-----	---------------	-----------	-------	----------	-------	----------	----------	-------

Blank (5110821-BLK1)

Extracted: 11/17/05 06:33

Aldrin	EPA 8081A	ND	---	6.69	ug/kg	1x	--	--	--	--	--	--	11/17/05 18:14	
alpha-BHC	"	ND	---	6.69	"	"	--	--	--	--	--	--	"	
beta-BHC	"	ND	---	6.69	"	"	--	--	--	--	--	--	"	
delta-BHC	"	ND	---	6.69	"	"	--	--	--	--	--	--	"	
gamma-BHC (Lindane)	"	ND	---	6.69	"	"	--	--	--	--	--	--	"	
gamma-Chlordane	"	ND	---	6.69	"	"	--	--	--	--	--	--	"	
alpha-Chlordane	"	ND	---	6.69	"	"	--	--	--	--	--	--	"	
Chlordane (tech)	"	ND	---	150	"	"	--	--	--	--	--	--	"	
4,4'-DDD	"	ND	---	6.69	"	"	--	--	--	--	--	--	"	
4,4'-DDE	"	ND	---	6.69	"	"	--	--	--	--	--	--	"	
4,4'-DDT	"	ND	---	6.69	"	"	--	--	--	--	--	--	"	
Dieldrin	"	ND	---	6.69	"	"	--	--	--	--	--	--	"	
Endosulfan I	"	ND	---	6.69	"	"	--	--	--	--	--	--	"	
Endosulfan II	"	ND	---	6.69	"	"	--	--	--	--	--	--	"	
Endosulfan sulfate	"	ND	---	6.69	"	"	--	--	--	--	--	--	"	
Endrin	"	ND	---	6.69	"	"	--	--	--	--	--	--	"	
Endrin aldehyde	"	ND	---	6.69	"	"	--	--	--	--	--	--	"	
Endrin ketone	"	ND	---	6.69	"	"	--	--	--	--	--	--	"	
Heptachlor	"	ND	---	6.69	"	"	--	--	--	--	--	--	"	
Heptachlor epoxide	"	ND	---	6.69	"	"	--	--	--	--	--	--	"	
Methoxychlor	"	ND	---	6.69	"	"	--	--	--	--	--	--	"	
Toxaphene	"	ND	---	200	"	"	--	--	--	--	--	--	"	

Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene Recovery: 42.0% Limits: 36-140% " 11/17/05 18:14

LCS (5110821-BS1)

Extracted: 11/17/05 06:33

Aldrin	EPA 8081A	30.3	---	6.61	ug/kg	1x	--	32.9	92.1%	(64-136)	--	--	11/17/05 18:39	
gamma-BHC (Lindane)	"	27.2	---	6.61	"	"	--	"	82.7%	(62-140)	--	--	"	
4,4'-DDT	"	30.1	---	6.61	"	"	--	"	91.5%	(65-130)	--	--	"	
Dieldrin	"	29.9	---	6.61	"	"	--	"	90.9%	(70-135)	--	--	"	
Endrin	"	29.5	---	6.61	"	"	--	"	89.7%	(65-135)	--	--	"	
Heptachlor	"	30.4	---	6.61	"	"	--	"	92.4%	(48-124)	--	--	"	

Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene Recovery: 86.3% Limits: 36-140% " 11/17/05 18:39

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name:	Medford	<u>Report Created:</u> 12/01/05 16:43
	Project Number:	[none]	
	Project Manager:	Michael Pickering	

Organochlorine Pesticides per EPA Method 8081A - Laboratory Quality Control Results
 North Creek Analytical - Portland

QC Batch: 5110821 **Soil Preparation Method: EPA 3550**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes	
Matrix Spike (5110821-MS1)			QC Source: P5K0632-17					Extracted: 11/17/05 06:33							
Aldrin	EPA 8081A	40.0	---	41.9	ug/kg dry	5x	ND	41.6	96.2%	(64-136)	--	--	11/22/05 18:20		
gamma-BHC (Lindane)	"	40.1	---	41.9	"	"	ND	"	96.4%	(62-140)	--	--	"		
4,4'-DDT	"	573	---	419	"	50x	412	"	>300%	(65-130)	--	--	11/23/05 10:58	Q-03	
Dieldrin	"	112	---	41.9	"	5x	76.8	"	84.6%	(70-135)	--	--	11/22/05 18:20		
Endrin	"	89.5	---	41.9	"	"	ND	"	215%	(65-135)	--	--	"	Q-02	
Heptachlor	"	40.0	---	41.9	"	"	ND	"	96.2%	(48-124)	--	--	"		

Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene Recovery: 88.9% Limits: 36-140% " 11/22/05 18:20

Matrix Spike Dup (5110821-MSD1)			QC Source: P5K0632-17					Extracted: 11/17/05 06:33							
Aldrin	EPA 8081A	39.1	---	41.3	ug/kg dry	5x	ND	41.1	95.1%	(64-136)	2.28%	(50)	11/22/05 18:44		
gamma-BHC (Lindane)	"	39.2	---	41.3	"	"	ND	"	95.4%	(62-140)	2.27%	"	"		
4,4'-DDT	"	250	---	41.3	"	"	412	"	NR	(65-130)	78.5%	"	"	Q-03	
Dieldrin	"	67.4	---	41.3	"	"	76.8	"	NR	(70-135)	49.7%	"	"	Q-03	
Endrin	"	60.7	---	41.3	"	"	ND	"	148%	(65-135)	38.3%	"	"	Q-02	
Heptachlor	"	39.0	---	41.3	"	"	ND	"	94.9%	(48-124)	2.53%	"	"		

Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene Recovery: 86.4% Limits: 36-140% " 11/22/05 18:44

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc.	Project Name: Medford	
9615 SW Allen Blvd. Suite 106	Project Number: [none]	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	12/01/05 16:43

Percent Dry Weight (Solids) per Standard Methods - Laboratory Quality Control Results

North Creek Analytical - Portland

QC Batch: 5110856	Soil Preparation Method: Dry Weight
--------------------------	--

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes	
Duplicate (5110856-DUP1)			QC Source: P5K0603-02					Extracted: 11/17/05 11:07							
% Solids	NCA SOP	80.3	---	1.00	% by Weight	1x	80.4	--	--	--	0.124% (20)		11/18/05 11:52		
Duplicate (5110856-DUP2)			QC Source: P5K0632-01					Extracted: 11/17/05 11:07							
% Solids	NCA SOP	79.0	---	1.00	% by Weight	1x	78.3	--	--	--	0.890% (20)		11/18/05 11:52		
Duplicate (5110856-DUP3)			QC Source: P5K0632-02					Extracted: 11/17/05 11:07							
% Solids	NCA SOP	79.3	---	1.00	% by Weight	1x	78.6	--	--	--	0.887% (20)		11/18/05 11:52		

QC Batch: 5110919	Soil Preparation Method: Dry Weight
--------------------------	--

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes	
Duplicate (5110919-DUP1)			QC Source: P5K0418-07					Extracted: 11/18/05 12:39							
% Solids	NCA SOP	74.2	---	1.00	% by Weight	1x	74.3	--	--	--	0.135% (20)		11/21/05 10:02		
Duplicate (5110919-DUP2)			QC Source: P5K0418-10					Extracted: 11/18/05 12:39							
% Solids	NCA SOP	74.8	---	1.00	% by Weight	1x	74.7	--	--	--	0.134% (20)		11/21/05 10:02		
Duplicate (5110919-DUP3)			QC Source: P5K0418-13					Extracted: 11/18/05 12:39							
% Solids	NCA SOP	74.0	---	1.00	% by Weight	1x	73.7	--	--	--	0.406% (20)		11/21/05 10:02		

QC Batch: 5111014	Soil Preparation Method: Dry Weight
--------------------------	--

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes	
Duplicate (5111014-DUP1)			QC Source: P5K0632-57					Extracted: 11/21/05 11:10							
% Solids	NCA SOP	81.5	---	1.00	% by Weight	1x	81.2	--	--	--	0.369% (20)		11/22/05 10:33		
Duplicate (5111014-DUP2)			QC Source: P5K0632-58					Extracted: 11/21/05 11:10							
% Solids	NCA SOP	78.6	---	1.00	% by Weight	1x	78.9	--	--	--	0.381% (20)		11/22/05 10:33		
Duplicate (5111014-DUP3)			QC Source: P5K0632-59					Extracted: 11/21/05 11:10							
% Solids	NCA SOP	80.6	---	1.00	% by Weight	1x	80.5	--	--	--	0.124% (20)		11/22/05 10:33		

North Creek Analytical - Portland

Lisa Domenighini, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
 phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
 phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name:	Medford	
	Project Number:	[none]	<u>Report Created:</u>
	Project Manager:	Michael Pickering	12/01/05 16:43

Percent Dry Weight (Solids) per Standard Methods - Laboratory Quality Control Results

North Creek Analytical - Portland

QC Batch: 5111366	Soil Preparation Method: Dry Weight
--------------------------	--

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (5111366-DUP1)			QC Source: P5K0965-01				Extracted: 11/30/05 13:22							
% Solids	NCA SOP	91.9	---	1.00	% by Weight	1x	91.8	--	--	--	0.109% (20)		12/01/05 11:11	
Duplicate (5111366-DUP2)			QC Source: P5K0965-03				Extracted: 11/30/05 13:22							
% Solids	NCA SOP	91.3	---	1.00	% by Weight	1x	90.9	--	--	--	0.439% (20)		12/01/05 11:11	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Domenighini, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420.9200 fax: (425) 420.9210

Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
phone: (509) 924.9200 fax: (509) 924.9290

Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
phone: (503) 906.9200 fax: (503) 906.9210

Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 383.9310 fax: 541.382.7588

Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563.9200 fax: (907) 563.9210

Ash Creek Associates, Inc.

9615 SW Allen Blvd. Suite 106
Beaverton, OR 97005

Project Name: **Medford**

Project Number: [none]

Project Manager: Michael Pickering

Report Created:
12/01/05 16:43

Notes and Definitions

Report Specific Notes:

- Q-02 - The matrix spike recovery, and/or RPD, for this QC sample is outside of established control limits due to sample matrix interference.
- Q-03 - The matrix spike recovery, and/or RPD, for this QC sample cannot be accurately calculated due to the high concentration of analyte already present in the source sample.
- Q-06 - RPD is not applicable for analyte concentrations less than 5 times the MRL.
- Q-07 - The matrix spike recovery, and/or RPD, for this QC sample is outside control limits due to sample dilution required from high analyte concentration and/or matrix interferences.
- R-05 - Reporting limits raised due to dilution necessary for analysis. Sample contains high levels of reported analyte, non-target analyte, and/or matrix interference.

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR / NA - Not Reported / Not Available
- dry - Sample results reported on a dry weight basis. Reporting Limits have been corrected for %Solids.
- wet - Sample results and reporting limits reported on a wet weight basis (as received).
- RPD - Relative Percent Difference. (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.



11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-9508
 11115 E Montgomery Suite B, Spokane, WA 99206-4776
 9405 SW Nimbus Ave, Beaverton, OR 97008-7132
 20332 Empire Ave Suite F-1, Bend, OR 97701-5711
 3209 Denali St, Anchorage, AK 99503-4030

425-420-9200 FAX 420-9210
 509-924-9200 FAX 924-9290
 503-906-9200 FAX 906-9210
 541-383-9310 FAX 382-7588
 907-334-9200 FAX 334-9210

CHAIN OF CUSTODY REPORT

Work Order #: **P5K0032**

CLIENT: **1911 CREEK ASSOCIATES**
 REPORT TO: **MICHAEL PICKERING**
 ADDRESS: **1615 SW AWEEN BLVD. BEAVERTON, OR**
 PHONE: **503.924.4704** FAX: **503.924.4707**
 PROJECT NAME: **718 BEEBE RD.**
 PROJECT NUMBER: **1141-00**

INVOICE TO:
 P.O. NUMBER:
 PRESERVATIVE

TURNAROUND REQUEST
 in Business Days *

Organic & Inorganic Analyses
 7 5 4 3 2 1 <1

Petroleum Hydrocarbon Analyses
 5 4 3 2 1 <1

STD.

OTHER Specify:
 * Turnaround Requests less than standard may incur Rush Charges.

REQUESTED ANALYSES

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1 TP-1/S-1	11/9/05 11:00	S	2		
2 TP-1/S-2	11/9/05 11:00		2		
3 TP-1/S-3	11/9/05 11:00		2		
4 TP-1/S-4	11/9/05 11:00		2		
5 TP-1/S-5	11/9/05 11:00		2		
6 TP-2/S-1	11/9/05 11:23		2		
7 TP-2/S-2	11/9/05 11:23		2		
8 TP-2/S-3	11/9/05 11:23		2		
9 TP-2/S-4	11/9/05 11:23		2		
10 TP-2/S-5	11/9/05 11:23		2		

RECEIVED BY: **[Signature]** DATE: **11/15/05** TIME: **11:37**
 PRINT NAME: **Bob E**
 RECEIVED BY: **Michael J. Puckering** DATE: **11/15/05** TIME: **14:20**
 PRINT NAME: **Michael J. Puckering** FIRM: **NCA**
 ADDITIONAL REMARKS:
 FIRM: **NCA**



11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244
 11922 E 1st Ave, Spokane, WA 99206-5302
 9405 SW Nimbus Ave, Beaverton, OR 97008-7145
 20332 Empire Ave, Ste F1, Bend, OR 97701-5712
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119

425-420-9200
 509-924-9200
 503-906-9200
 541-383-9310
 907-563-9200

FAX 420-9210
 FAX 924-9290
 FAX 906-9210
 FAX 382-7588
 FAX 563-9210

CHAIN OF CUSTODY REPORT

NCA CLIENT: **Asn Creek Associates**
 REPORT TO: **Michael Pickering**
 ADDRESS: **9015 Sw Allen Blvd, Beaverton, OR**
 PHONE: **(503) 924-4700** FAX: **(503) 924-4707**
 PROJECT NAME: **718 Beebe Rd.**
 PROJECT NUMBER: **1141-00**
 SAMPLED BY: **Kirsten Boris**

INVOICE TO:
 P.O. NUMBER:
 PRESERVATIVE

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	0081A Residue	Cam 17 METALS	REQUESTED ANALYSES	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1 TP-3/S-1	11/9/05 12:00	X			S	2		
2 TP-3/S-2	11/9/05 12:00	X			(2		
3 TP-3/S-3	11/9/05 12:00	X)	2		
4 TP-3/S-4	11/9/05 12:00	X				2		
5 TP-3/S-5	11/9/05 12:00	X				2		
6 TP-4/S-1	11/9/05 12:32	X				2		
7 TP-4/S-2	11/9/05 12:32	X	X			2		
8 TP-4/S-3	11/9/05 12:32	X				2		
9 TP-4/S-4	11/9/05 12:32	X				2		
10 TP-4/S-5	11/9/05 12:32	X				2		

TURNAROUND REQUEST
 in Business Days *
 Organic & Inorganic Analyses
 Petroleum Hydrocarbon Analyses

7 8 9 10 11 12
 3 4 5 6 7 8
 1 2 3 4 5 6
 <1

OTHER Specify:
 * Turnaround Request Not Fulfilled May Incur Peak Charge.

RECEIVED BY: **Bob F** DATE: **11/15/05**
 PRINT NAME: **Bob F** FIRM: **NCA** TIME: **11:37**
 RECEIVED BY: **Michael J. Pickering** DATE: **11/15/05**
 PRINT NAME: **Michael J. Pickering** FIRM: **NCA** TIME: **14:20**

ADDITIONAL REMARKS:
 RELEASED BY: **Michael J. Pickering**
 PRINT NAME: **Bob F** FIRM: **NCA**



11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244
 11922 E 1st Ave, Spokane, WA 99206-5302
 9405 SW Nimbus Ave, Beaverton, OR 97008-7145
 20332 Empire Ave, Ste F1, Bend, OR 97701-5712
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119

425-420-9200 FAX 420-9210
 509-924-9200 FAX 924-9290
 503-906-9200 FAX 906-9210
 541-383-9310 FAX 382-7588
 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

NCA CLIENT: **Ash Creek Associates**
 REPORT TO: **Michael Pickering**
 ADDRESS: **9415 SW Allen Blvd, Beaverton, OR**
 PHONE: **(503) 924-4704** FAX: **(503) 924-4707**
 PROJECT NAME: **718 Beebe Rd.**
 PROJECT NUMBER: **1141-00**
 SAMPLED BY: **Kirsten Boris**

INVOICE TO:
 P.O. NUMBER:
 PRESERVATIVE

Work Order #: **P510032**
 TURNAROUND REQUEST
 In Business Days *
 Organic & Inorganic Analyses
 Petroleum Hydrocarbon Analyses
 OTHER Specify:
 *Turnaround Request may vary based on your test charges.

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	REQUESTED ANALYSES	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1 TP-5/S-1	11/9/05 13:00	None	S	2	2TWR	
2 TP-5/S-2	11/9/05 13:00		2			
3 TP-5/S-3	11/9/05 13:00		2			
4 TP-5/S-4	11/9/05 13:00		2			
5 TP-5/S-5	11/9/05 13:00		2			
6 TP-6/S-1	11/9/05 13:44		2			
7 TP-6/S-2	11/9/05 13:44		2			
8 TP-6/S-3	11/9/05 13:44		2			
9 TP-6/S-4	11/9/05 13:44		2			
10 TP-6/S-5	11/9/05 13:44		2			

RELEASED BY: **[Signature]** DATE: **11/15/05** TIME: **11:37**
 PRINT NAME: **Michael S. Zimmerman** FIRM: **NCA**
 RECEIVED BY: **[Signature]** DATE: **11/15/05** TIME: **14:20**
 PRINT NAME: **Bob F** FIRM: **N/A**
 RECEIVED BY: **[Signature]** DATE: **11/15/05** TIME: **11:37**
 PRINT NAME: **Callie Falksno** FIRM: **N/A**



11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244
 11922 E 1st Ave, Spokane, WA 99206-5302
 9405 SW Nimbus Ave, Beaverton, OR 97008-7145
 20332 Empire Ave, Ste F1, Bend, OR 97701-5712
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119

425-420-9200 FAX 420-9210
 509-924-9200 FAX 924-9290
 503-906-9200 FAX 906-9210
 541-383-9310 FAX 382-7588
 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

NCA CLIENT: Ash Creek Associates
 REPORT TO: Michael Pickering
 ADDRESS: 9615 Sw Allen Blvd.
Beaverton, OR
 PHONE: (503) 924-4747 FAX: (503) 924-4707
 PROJECT NAME: 718 Beebe Rd.

INVOICE TO:
 P.O. NUMBER:

Work Order #: PSK 01032

TURNAROUND REQUEST

In Business Days *

Organic & Inorganic Analyses
 1 2 3 4 5 <1

Petroleum Hydrocarbon Analyses
 1 2 3 4 5 <1

OTHER Specify:

* Percentages apply for this standard only. See Add'l Charges.

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE	REQUESTED ANALYSES										MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID		
			1	2	3	4	5	6	7	8	9	10					11	12
1 TP-7/S-1	11/9/05 14:24														S	2		
2 TP-7/S-2	11/9/05 14:24															2		
3 TP-7/S-3	11/9/05 14:24															2		
4 TP-7/S-4	11/9/05 14:24															2		
5 TP-7/S-5	11/9/05 14:24															2		
6 TP-8/S-1	11/10/05 8:10															2		
7 TP-8/S-2	11/10/05 8:10															2		
8 TP-8/S-3	11/10/05 8:10															2		
9 TP-8/S-4	11/10/05 8:10															2		
10 TP-8/S-5	11/10/05 8:10															2		

RECEIVED BY: Bob F DATE: 11/15/05
 PRINT NAME: Bob F FIRM: NCA TIME: 11:37

RECEIVED BY: Michael J. Pickering DATE: 11/15/05
 PRINT NAME: Michael J. Pickering FIRM: NCA TIME: 14:20

ADDITIONAL REMARKS:



11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244
 425-420-9200 FAX 420-9210
 11922 E 1st Ave, Spokane, WA 99206-5302
 509-924-9200 FAX 924-9290
 9405 SW Nimbus Ave, Beaverton, OR 97008-7145
 503-906-9200 FAX 906-9210
 20332 Empire Ave, Ste F1, Bend, OR 97701-5712
 541-383-9310 FAX 382-7588
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119
 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

NCA CLIENT: Ash Creek Associates
 REPORT TO: Michael Pickering
 ADDRESS: 9615 SW Aulen Blvd
Beaverton, OR
 PHONE: (503) 924-4704 FAX: (503) 924-4707

INVOICE TO:
 P.O. NUMBER:

Work Order #: PSK0032

TURNAROUND REQUEST
 In Business Days *

Organic & Inorganic Analyses
 7 5 4 3 2 1 <1

Petroleum Hydrocarbon Analyses
 3 4 3 1 1 <1

OTHER Specify: _____
* Turnaround Request can vary based on your test changes.

PROJECT NAME: 718 Beene Rd.
 PROJECT NUMBER: 1141-00
 SAMPLED BY: Kirsten Boris

PRESERVATIVE
 REQUESTED ANALYSES

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1 TP-9/S-1	11/10/05 8:45	S	2		
2 TP-9/S-2	11/10/05 8:45		2		
3 TP-9/S-3	11/10/05 8:45		2		
4 TP-9/S-4	11/10/05 8:45		2		
5 TP-9/S-5	11/10/05 8:45		2		
6 TP-10/S-1	11/10/05 9:45		2		
7 TP-10/S-2	11/10/05 9:45		2		
8 TP-10/S-3	11/10/05 9:45		2		
9 TP-10/S-4	11/10/05 9:45		2		
10 TP-10/S-5	11/10/05 9:45		2		

RELEASED BY: [Signature] DATE: 11/15/05 TIME: 11:37
 PRINT NAME: Michael J. Pickering FIRM: NCA
 RECEIVED BY: [Signature] DATE: 11/15/05 TIME: 14:20
 PRINT NAME: Bob R FIRM: NCA
 RECEIVED BY: [Signature] DATE: 11/15/05 TIME: 11:37
 PRINT NAME: Bob R FIRM: NCA
 RECEIVED BY: [Signature] DATE: 11/15/05 TIME: 14:20
 PRINT NAME: Bob R FIRM: NCA

ADDITIONAL REMARKS:
 COC REV 09/04 PAGE OF



11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-9508
 11115 E Montgomery Suite B, Spokane, WA 99206-4776
 9405 SW Nimbus Ave, Beaverton, OR 97008-7132
 20332 Empire Ave Suite F-1, Bend, OR 99701-5711
 3209 Denali St, Anchorage, AK 99503-4030

425-420-9200 FAX 420-9210
 509-924-9200 FAX 924-9290
 503-906-9200 FAX 906-9210
 541-383-9310 FAX 382-7588
 907-334-9200 FAX 334-9210

CHAIN OF CUSTODY REPORT

Work Order #: **PSK0032**

CLIENT: **Ash Creek Associates**
 REPORT TO: **Michael Pickering**
 ADDRESS: **9615 Sw Auen Blvd, Beaverton, OR**
 PHONE: **(503) 924-4776** FAX: **(503) 924-4707**
 PROJECT NAME: **718 Beebe Rd**
 PROJECT NUMBER: **1141-00**
 SAMPLED BY: **Kirsten Boris**

INVOICE TO:
 PRESERVATIVE
 P.O. NUMBER:
 REQUESTED ANALYSES

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	Aspiric	BoBia	CAIT	METALS	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1 SS-1	11/10/05 13:45	X	X	X	X	S	2		
2 SS-2	11/10/05 13:50	X	X	X	X		2		
3 SS-3	11/10/05 14:09	X					2		
4 SS-4	11/10/05 14:14	X					2		
5 SS-5	11/10/05 14:52	X					2		
6 SS-6	11/10/05 15:00	X					2		
7 SS-7	11/10/05 15:20	X					2		
8 SS-8	11/11/05 9:40	X	X				2		
9 SS-9	11/11/05 9:30	X					2		
10 SS-10	11/11/05	X					2		

TURNAROUND REQUEST in Business Days *
 Organic & Inorganic Analyses: 7 5 4 3 2 1 <1
 Petroleum Hydrocarbon Analyses: 5 4 3 2 1 <1
 STD. OTHER Specify:
 * Turnaround Requests less than standard may incur Rush Charges

RECEIVED BY: **Bob Pickering** DATE: **11/15/05** TIME: **11:37**
 PRINT NAME: **Bob Pickering** FIRM: **NCA**
 RECEIVED BY: **Michael J. Pickering** DATE: **11/15/05** TIME: **14:20**
 PRINT NAME: **Michael J. Pickering** FIRM: **NCA**

ADDITIONAL REMARKS:
 TEMP: _____ PAGE _____ OF _____



11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 FAX 420-9210
 11922 E 1st Ave, Spokane, WA 99206-5302 FAX 924-9290
 9405 SW Nimbus Ave, Beaverton, OR 97008-7145 FAX 906-9210
 20332 Empire Ave, Ste F1, Bend, OR 97701-5712 FAX 382-7588
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: **PSK-0632**

NCA CLIENT: **Ash Creek Associates**
 REPORT TO: **Michael Pickering**
 ADDRESS: **9615 SW Allen Blvd, Beaverton, OR**
 PHONE: **(503) 924-4704** FAX: **(503) 924-4707**
 PROJECT NAME: **718 Beebe Rd.**
 PROJECT NUMBER: **1141-00**

INVOICE TO:
 P.O. NUMBER:
 PRESERVATIVE

SAMPLED BY: **Kirsten Bonis**
 CLIENT SAMPLE IDENTIFICATION

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	REQUESTED ANALYSES	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1 SS-11	11/11/05 8:42	None	S	1		
2 SS-12	11/11/05 8:36		2			
3 SS-13	11/11/05 8:30		2			
4 SS-14	11/11/05 8:20		2			
5 SS-15	11/10/05 16:32		2			
6 SS-16	11/10/05 16:15		2			
7 SS-17	11/10/05 13:57		2			
8 SS-18	11/10/05 14:34		2			
9 SS-19	11/10/05 14:43		2			
10 SS-20	11/11/05 9:50		2			

TURNAROUND REQUEST
 In Business Days *
 Organic & Inorganic Analyses
 Petroleum Hydrocarbon Analyses
 7 5 4 3 2 1 <1
 5 4 3 2 1 <1
 OTHER Specify:
 *Excludes Requests for Alter method w/ New Test Change

RELEASED BY: **Michael J. Pickering** DATE: **11/5/05** TIME: **11:37** FIRM: **NCA**
 PRINT NAME: **Michael J. Pickering** FIRM: **NCA**
 RECEIVED BY: **Bob R** DATE: **11/5/05** TIME: **14:20** FIRM: **NCA**
 PRINT NAME: **Bob R** FIRM: **NCA**



11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 FAX 420-9200
 11922 E 1st Ave, Spokane, WA 99206-5302 FAX 924-9290
 9405 SW Nimbus Ave, Beaverton, OR 97008-7145 FAX 906-9210
 20332 Empire Ave, Ste F1, Bend, OR 97701-5712 FAX 382-7588
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 FAX 563-9210

CHAIN OF CUSTODY REPORT

NCA CLIENT: Asn Creek Associates INVOICE TO: _____
 REPORT TO: Michael Pickering
 ADDRESS: 9615 SW Awen Blvd, Beaverton OR
 PHONE: 503-924-4704 FAX: 503-924-4707
 PROJECT NAME: 718 Beebe Rd.
 PROJECT NUMBER: 141-00
 SAMPLED BY: Kirsten Bonis

Work Order #: PS70037
 TURNAROUND REQUEST
 in Business Days *
 Organic & Inorganic Analyses
 7 5 4 3 2 1 <1
 Petroleum Hydrocarbon Analyses
 5 4 3 2 1 <1
 OTHER Specify: _____
 * Turnaround Request for this method may vary due to change.

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	REQUESTED ANALYSES										MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA W O I D	
		Asbestos	Boehle	Boehle	Boehle	Boehle	Boehle	Boehle	Boehle	Boehle	Boehle					Boehle
1 SS-21	11/11/05 9:20	X												S	2 1/2 NPL	
2 SS-22	11/11/05 8:55	X													2	
3 SS-23	11/11/05 8:48	X													2	
4 BG-1	11/11/05 10:40	X													2	
5 BG-2	11/11/05 11:05	X													2	
6 BG-3	11/11/05 11:40	X													2	
7 BG-4	11/11/05 11:49		X	X											2	
8 BG-5	11/11/05 11:55	X													2	
9 BG-6	11/11/05 12:05	X													2	
10																

RECEIVED BY: Bob F DATE: 11/15/05 TIME: 11:37
 PRINT NAME: Bob F FIRM: NCA
 RECEIVED BY: Michael J. Pickering DATE: 11/15/05 TIME: 14:20
 PRINT NAME: Bob F FIRM: NCA
 ADDITIONAL REMARKS: _____



11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 FAX 420-9210
 11922 E 1st Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
 9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
 20332 Empire Ave, Ste F1, Bend, OR 97701-5712 541-383-9310 FAX 382-7588
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: **PSK0632**

NCA CLIENT: **North Creek Associates**
 REPORT TO: **MICHAEL RUCKENING**
 ADDRESS: **9405 SW ALLEN BLD**
BEAVERTON, OR 97005
 PHONE: **503 924 4744** FAX: **503 924 4707**
 PROJECT NAME: **716 BEEBE RD.**
 PROJECT NUMBER: **1141-00**
 SAMPLED BY: **MICHAEL RUCKENING**

INVOICE TO:
 P.O. NUMBER:
 PRESERVATIVE
 REQUESTED ANALYSES

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1 54-5 OUP	11/10/05 14:52	S	2		
2 TP-3/5-4 OUP	11/9/05 12:00	↓	2		
3 TP-7/5-1 OUP	↓ 14:24	↓	2		
4 TP-10/5-2 OUP	11/10/05 9:45	↓	2		
5 10W	11/11/05 7:30	W	1		
6					
7					
8					
9					
10					

TURNAROUND REQUEST
 in Business Days *
 7
 5
 4
 3
 2
 1
 <1
 Organic & Inorganic Analyses
 Petroleum Hydrocarbon Analyses
 OTHER: _____ Specify: _____
 *Turnaround Request for Non-Standard may have Additional Charges.

RECEIVED BY: **Bob Ruckening** DATE: **11/15/05**
 PRINT NAME: **Bob Ruckening** FIRM: **NCA** TIME: **11:37**
 RECEIVED BY: **Michael J. Ruckening** DATE: **11/15/05**
 PRINT NAME: **Michael J. Ruckening** FIRM: **ACA** TIME: **14:20**
 ADDITIONAL REMARKS: **TEMP: _____**

NORTH CREEK ANALYTICAL COOLER RECEIPT FORM

(Army Corp. compliant)

Client: Ash creek

1. Please sign for receipt and opening of 4 cooler or _____ other _____

By (print) Curie Fahsho (sign) [Signature]

2. Date samples received 11/15/05 Date opened: Same or 1/1

3. Delivered by: NCA courier BOB FedEx _____ UPS _____ Courier _____ Client _____ Other _____

Airbill # if applicable _____ (Put copy of shipping papers in file)

4. There were 4 custody seals present, signed by BOB date 11/15/05

5. Were the custody seals unbroken and intact at the date and time of arrival? Yes _____ No

6. Was ice used? Yes _____ no Type of ice: _____ blue ice gel ice _____ real ice

Temperature (degrees C) 5.9 Raytek thermometer _____ Digi-Therm (probe temperature blank)

7. Are custody papers sealed in a plastic bag and taped inside to lid? _____ Yes No

8. Were custody papers filled out properly (ink, signed, etc.)? Yes _____ No
If "no" please specify: _____

9. Was project identifiable from custody papers? Yes _____ No

Name of project 718 Beebe Rd (if applicable)

10. Initial and date for unpacking: [Signature] (initials) date 11/15/05

11. Packing material: _____ bubble wrap/bag _____ styrofoam _____ cardboard _____ other

12. Were samples in bags? _____ Yes No

13. Did all containers indicated on the COC arrive? Yes _____ No

If "no" please indicate which containers were absent _____

14. Were all containers unbroken and labels in good condition? Yes _____ No

If "no" please indicate which containers _____

15. Were all bottle labels complete (ID, date, time, signature, etc.)? Yes _____ No

Do the IDs, times, etc. agree with the COC? Yes _____ No

If "no" please indicate which containers _____

16. Are containers properly preserved for indicated analysis? Yes _____ No

17. Is there adequate volume for the test(s) requested? Yes _____ No

18. If voa vials were submitted, are they free of bubbles? N/A _____ Yes _____ No

19. Log-in phase: Date samples were logged in: 1/1 Elm Project # P 5140632

20. Logged in by (print) _____ (sign) _____

21. Was the project manager notified of status? (Use back of form as a record) _____ Yes _____ No

Appendix F

**Laboratory Data Report and
Chain of Custody Documentation – April 2006**

Received
MAY 10 2006
Ash Creek

May 04, 2006

Michael Pickering
Ash Creek Associates, Inc.
9615 SW Allen Blvd. Suite 106
Beaverton, OR 97005

RE: 718 Beebe Rd.

Enclosed are the results of analyses for samples received by the laboratory on 04/18/06 16:35.
The following list is a summary of the Work Orders contained in this report, generated on 05/04/06
15:29.

If you have any questions concerning this report, please feel free to contact me.

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
PPD0824	718 Beebe Rd.	1141-00



Darrell Auvil, Project Manager



Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: 718 Beebe Rd.	Report Created: 05/04/06 15:29
	Project Number: 1141-00	
	Project Manager: Michael Pickering	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TP-13-1	PPD0824-01	Soil	04/17/06 08:00	04/18/06 16:35
TP-13-2	PPD0824-02	Soil	04/17/06 08:01	04/18/06 16:35
TP-12-1	PPD0824-03	Soil	04/17/06 08:10	04/18/06 16:35
TP-12-2	PPD0824-04	Soil	04/17/06 08:11	04/18/06 16:35
TP-14-1	PPD0824-05	Soil	04/17/06 08:15	04/18/06 16:35
TP-14-2	PPD0824-06	Soil	04/17/06 08:16	04/18/06 16:35
TP-15-1	PPD0824-07	Soil	04/17/06 08:22	04/18/06 16:35
TP-15-2	PPD0824-08	Soil	04/17/06 08:23	04/18/06 16:35
TP-16-1	PPD0824-09	Soil	04/17/06 09:06	04/18/06 16:35
TP-16-2	PPD0824-10	Soil	04/17/06 09:07	04/18/06 16:35
TP-17-1	PPD0824-11	Soil	04/17/06 09:00	04/18/06 16:35
TP-17-2	PPD0824-12	Soil	04/17/06 09:01	04/18/06 16:35
TP-18-1	PPD0824-13	Soil	04/17/06 09:14	04/18/06 16:35
TP-18-2	PPD0824-14	Soil	04/17/06 09:15	04/18/06 16:35
TP-19-1	PPD0824-15	Soil	04/17/06 09:20	04/18/06 16:35
TP-19-2	PPD0824-16	Soil	04/17/06 09:21	04/18/06 16:35
TP-20-1	PPD0824-17	Soil	04/17/06 10:00	04/18/06 16:35
TP-20-2	PPD0824-18	Soil	04/17/06 10:01	04/18/06 16:35
TP-21-1	PPD0824-19	Soil	04/17/06 09:52	04/18/06 16:35
TP-21-2	PPD0824-20	Soil	04/17/06 09:53	04/18/06 16:35
TP-22-1	PPD0824-21	Soil	04/17/06 11:18	04/18/06 16:35
TP-22-2	PPD0824-22	Soil	04/17/06 11:19	04/18/06 16:35
TP-23-1	PPD0824-23	Soil	04/17/06 11:25	04/18/06 16:35
TP-23-2	PPD0824-24	Soil	04/17/06 11:26	04/18/06 16:35
TP-24-1	PPD0824-25	Soil	04/17/06 10:10	04/18/06 16:35
TP-24-2	PPD0824-26	Soil	04/17/06 10:11	04/18/06 16:35
TP-25-1	PPD0824-27	Soil	04/17/06 10:19	04/18/06 16:35
TP-25-2	PPD0824-28	Soil	04/17/06 10:20	04/18/06 16:35
TP-26-1	PPD0824-29	Soil	04/17/06 11:40	04/18/06 16:35
TP-26-2	PPD0824-30	Soil	04/17/06 11:41	04/18/06 16:35
TP-27-1	PPD0824-31	Soil	04/17/06 11:32	04/18/06 16:35
TP-27-2	PPD0824-32	Soil	04/17/06 11:33	04/18/06 16:35
TP-28-1	PPD0824-33	Soil	04/17/06 10:48	04/18/06 16:35
TP-28-2	PPD0824-34	Soil	04/17/06 10:49	04/18/06 16:35
TP-29-1	PPD0824-35	Soil	04/17/06 10:42	04/18/06 16:35

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Darrell Auvil, Project Manager



Ash Creek Associates, Inc.
 9615 SW Allen Blvd. Suite 106
 Beaverton, OR 97005

Project Name: **718 Beebe Rd.**
 Project Number: 1141-00
 Project Manager: Michael Pickering

Report Created:
 05/04/06 15:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TP-29-2	PPD0824-36	Soil	04/17/06 10:43	04/18/06 16:35
TP-30-1	PPD0824-37	Soil	04/17/06 13:05	04/18/06 16:35
TP-30-2	PPD0824-38	Soil	04/17/06 10:43	04/18/06 16:35
TP-31-1	PPD0824-39	Soil	04/17/06 13:12	04/18/06 16:35
TP-31-2	PPD0824-40	Soil	04/17/06 13:13	04/18/06 16:35
TP-32-1	PPD0824-41	Soil	04/17/06 15:56	04/18/06 16:35
TP-33-1	PPD0824-42	Soil	04/17/06 15:37	04/18/06 16:35
TP-33-2	PPD0824-43	Soil	04/17/06 15:38	04/18/06 16:35
TP-34-1	PPD0824-44	Soil	04/17/06 13:23	04/18/06 16:35
TP-34-2	PPD0824-45	Soil	04/17/06 13:24	04/18/06 16:35
TP-35-1	PPD0824-46	Soil	04/17/06 13:17	04/18/06 16:35
TP-35-2	PPD0824-47	Soil	04/17/06 13:18	04/18/06 16:35
TP-36-1	PPD0824-48	Soil	04/17/06 16:20	04/18/06 16:35
TP-37-1	PPD0824-49	Soil	04/17/06 15:00	04/18/06 16:35
TP-38-1	PPD0824-50	Soil	04/17/06 13:43	04/18/06 16:35
TP-38-2	PPD0824-51	Soil	04/17/06 13:44	04/18/06 16:35
TP-39-1	PPD0824-52	Soil	04/17/06 13:51	04/18/06 16:35
TP-39-2	PPD0824-53	Soil	04/17/06 13:52	04/18/06 16:35



Darrell Auvil, Project Manager



Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: 718 Beebe Rd. Project Number: 1141-00 Project Manager: Michael Pickering	Report Created: 05/04/06 15:29
---	---	-----------------------------------

Total Metals per EPA 6000/7000 Series Methods
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPD0824-01 (TP-13-1)		Soil								Sampled: 04/17/06 08:00
Arsenic	EPA 6020	25.5	----	0.638	mg/kg dry	1x	6040921	04/20/06	05/03/06 01:57	
Lead	"	58.1	----	0.638	"	"	"	"	05/02/06 17:41	
PPD0824-02 (TP-13-2)		Soil								Sampled: 04/17/06 08:01
Arsenic	EPA 6020	33.5	----	0.628	mg/kg dry	1x	6040921	04/20/06	05/03/06 02:27	
PPD0824-03 (TP-12-1)		Soil								Sampled: 04/17/06 08:10
Arsenic	EPA 6020	10.8	----	0.619	mg/kg dry	1x	6040921	04/20/06	05/03/06 02:35	
Lead	"	24.4	----	0.619	"	"	"	"	05/02/06 18:19	
PPD0824-04 (TP-12-2)		Soil								Sampled: 04/17/06 08:11
Arsenic	EPA 6020	21.6	----	0.651	mg/kg dry	1x	6040921	04/20/06	05/03/06 02:42	
PPD0824-05 (TP-14-1)		Soil								Sampled: 04/17/06 08:15
Arsenic	EPA 6020	4.33	----	0.646	mg/kg dry	1x	6040921	04/20/06	05/03/06 03:12	
Lead	"	7.84	----	0.646	"	"	"	"	05/02/06 18:49	
PPD0824-06 (TP-14-2)		Soil								Sampled: 04/17/06 08:16
Arsenic	EPA 6020	13.8	----	0.627	mg/kg dry	1x	6040921	04/20/06	05/03/06 03:19	
PPD0824-07 (TP-15-1)		Soil								Sampled: 04/17/06 08:22
Arsenic	EPA 6020	5.54	----	0.678	mg/kg dry	1x	6040921	04/20/06	05/03/06 03:27	
Lead	"	5.38	----	0.678	"	"	"	"	05/02/06 19:04	
PPD0824-08 (TP-15-2)		Soil								Sampled: 04/17/06 08:23
Arsenic	EPA 6020	5.47	----	0.615	mg/kg dry	1x	6040921	04/20/06	05/03/06 03:34	
PPD0824-09 (TP-16-1)		Soil								Sampled: 04/17/06 09:06
Arsenic	EPA 6020	5.00	----	0.631	mg/kg dry	1x	6040921	04/20/06	05/03/06 03:42	
Lead	"	5.38	----	0.631	"	"	"	"	05/02/06 19:19	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Darrell Auvil, Project Manager




Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: 718 Beebe Rd. Project Number: 1141-00 Project Manager: Michael Pickering	Report Created: 05/04/06 15:29
---	---	-----------------------------------

Total Metals per EPA 6000/7000 Series Methods
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPD0824-10 (TP-16-2)		Soil								Sampled: 04/17/06 09:07
Arsenic	EPA 6020	5.54	----	0.636	mg/kg dry	1x	6040921	04/20/06	05/03/06 03:49	
PPD0824-11 (TP-17-1)		Soil								Sampled: 04/17/06 09:00
Arsenic	EPA 6020	6.07	----	0.631	mg/kg dry	1x	6040921	04/20/06	05/03/06 03:57	
Lead	"	6.68	----	0.631	"	"	"	"	05/02/06 19:34	
PPD0824-12 (TP-17-2)		Soil								Sampled: 04/17/06 09:01
Arsenic	EPA 6020	5.49	----	0.701	mg/kg dry	1x	6040921	04/20/06	05/03/06 04:12	
PPD0824-13 (TP-18-1)		Soil								Sampled: 04/17/06 09:14
Arsenic	EPA 6020	24.6	----	0.595	mg/kg dry	1x	6040921	04/20/06	05/03/06 04:20	
Lead	"	59.2	----	0.595	"	"	"	"	05/02/06 19:57	
PPD0824-14 (TP-18-2)		Soil								Sampled: 04/17/06 09:15
Arsenic	EPA 6020	5.70	----	0.614	mg/kg dry	1x	6040921	04/20/06	05/03/06 07:00	
PPD0824-15 (TP-19-1)		Soil								Sampled: 04/17/06 09:20
Arsenic	EPA 6020	5.53	----	0.673	mg/kg dry	1x	6040921	04/20/06	05/03/06 07:07	
Lead	"	6.90	----	0.673	"	"	"	"	05/02/06 20:27	
PPD0824-16 (TP-19-2)		Soil								Sampled: 04/17/06 09:21
Arsenic	EPA 6020	8.34	----	0.588	mg/kg dry	1x	6040921	04/20/06	05/03/06 07:15	
PPD0824-17 (TP-20-1)		Soil								Sampled: 04/17/06 10:00
Arsenic	EPA 6020	5.69	----	0.626	mg/kg dry	1x	6040921	04/20/06	05/03/06 07:22	
Lead	"	5.53	----	0.626	"	"	"	"	05/02/06 20:42	
PPD0824-18 (TP-20-2)		Soil								Sampled: 04/17/06 10:01
Arsenic	EPA 6020	4.77	----	0.625	mg/kg dry	1x	6040921	04/20/06	05/03/06 07:30	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Darrell Auvil, Project Manager



Ash Creek Associates, Inc.
 9615 SW Allen Blvd. Suite 106
 Beaverton, OR 97005

Project Name: **718 Beebe Rd.**
 Project Number: 1141-00
 Project Manager: Michael Pickering

Report Created:
 05/04/06 15:29

Total Metals per EPA 6000/7000 Series Methods
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPD0824-19 (TP-21-1)		Soil								Sampled: 04/17/06 09:52
Arsenic	EPA 6020	5.49	----	0.596	mg/kg dry	1x	6040921	04/20/06	05/03/06 07:37	
Lead	"	9.58	----	0.596	"	"	"	"	05/02/06 20:57	
PPD0824-20 (TP-21-2)		Soil								Sampled: 04/17/06 09:53
Arsenic	EPA 6020	3.76	----	0.600	mg/kg dry	1x	6040921	04/20/06	05/03/06 07:45	
PPD0824-21 (TP-22-1)		Soil								Sampled: 04/17/06 11:18
Arsenic	EPA 6020	6.04	----	0.688	mg/kg dry	1x	6040922	04/20/06	05/03/06 17:40	
Lead	"	10.4	----	0.688	"	"	"	"	05/02/06 21:35	
PPD0824-22 (TP-22-2)		Soil								Sampled: 04/17/06 11:19
Arsenic	EPA 6020	5.20	----	0.654	mg/kg dry	1x	6040922	04/20/06	05/04/06 01:05	
PPD0824-23 (TP-23-1)		Soil								Sampled: 04/17/06 11:25
Arsenic	EPA 6020	11.8	----	0.668	mg/kg dry	1x	6040922	04/20/06	05/04/06 01:12	
Lead	"	28.7	----	0.668	"	"	"	"	"	
PPD0824-24 (TP-23-2)		Soil								Sampled: 04/17/06 11:26
Arsenic	EPA 6020	2.54	----	0.667	mg/kg dry	1x	6040922	04/20/06	05/03/06 18:41	
PPD0824-25 (TP-24-1)		Soil								Sampled: 04/17/06 10:10
Arsenic	EPA 6020	2.27	----	0.638	mg/kg dry	1x	6040922	04/20/06	05/03/06 18:48	
Lead	"	4.19	----	0.638	"	"	"	"	"	
PPD0824-26 (TP-24-2)		Soil								Sampled: 04/17/06 10:11
Arsenic	EPA 6020	5.76	----	0.661	mg/kg dry	1x	6040922	04/20/06	05/04/06 01:20	
PPD0824-27 (TP-25-1)		Soil								Sampled: 04/17/06 10:19
Arsenic	EPA 6020	5.17	----	0.622	mg/kg dry	1x	6040922	04/20/06	05/03/06 19:04	
Lead	"	15.0	----	0.622	"	"	"	"	"	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darrell W. Auvil

Darrell Auvil, Project Manager



Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: 718 Beebe Rd. Project Number: 1141-00 Project Manager: Michael Pickering	Report Created: 05/04/06 15:29
---	---	-----------------------------------

Total Metals per EPA 6000/7000 Series Methods
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPD0824-28 (TP-25-2)		Soil								Sampled: 04/17/06 10:20
Arsenic	EPA 6020	3.84	----	0.628	mg/kg dry	1x	6040922	04/20/06	05/03/06 19:11	
PPD0824-29 (TP-26-1)		Soil								Sampled: 04/17/06 11:40
Arsenic	EPA 6020	4.18	----	0.639	mg/kg dry	1x	6040922	04/20/06	05/03/06 19:19	
Lead	"	6.60	----	0.639	"	"	"	"	"	
PPD0824-30 (TP-26-2)		Soil								Sampled: 04/17/06 11:41
Arsenic	EPA 6020	4.01	----	0.622	mg/kg dry	1x	6040922	04/20/06	05/03/06 19:26	
PPD0824-31 (TP-27-1)		Soil								Sampled: 04/17/06 11:32
Arsenic	EPA 6020	6.22	----	0.618	mg/kg dry	1x	6040922	04/20/06	05/03/06 19:34	
Lead	"	12.6	----	0.618	"	"	"	"	"	
PPD0824-32 (TP-27-2)		Soil								Sampled: 04/17/06 11:33
Arsenic	EPA 6020	3.94	----	0.634	mg/kg dry	1x	6040922	04/20/06	05/04/06 01:27	
PPD0824-33 (TP-28-1)		Soil								Sampled: 04/17/06 10:48
Arsenic	EPA 6020	5.22	----	0.631	mg/kg dry	1x	6040922	04/20/06	05/04/06 01:35	
Lead	"	7.83	----	0.631	"	"	"	"	"	
PPD0824-34 (TP-28-2)		Soil								Sampled: 04/17/06 10:49
Arsenic	EPA 6020	4.20	----	0.599	mg/kg dry	1x	6040922	04/20/06	05/04/06 01:57	
PPD0824-35 (TP-29-1)		Soil								Sampled: 04/17/06 10:42
Arsenic	EPA 6020	18.5	----	0.595	mg/kg dry	1x	6040922	04/20/06	05/04/06 02:05	
Lead	"	70.3	----	0.595	"	"	"	"	"	
PPD0824-36 (TP-29-2)		Soil								Sampled: 04/17/06 10:43
Arsenic	EPA 6020	8.19	----	0.576	mg/kg dry	1x	6040922	04/20/06	05/04/06 02:12	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darrell W. Auvil

Darrell Auvil, Project Manager



Ash Creek Associates, Inc.
 9615 SW Allen Blvd. Suite 106
 Beaverton, OR 97005

Project Name: **718 Beebe Rd.**
 Project Number: 1141-00
 Project Manager: Michael Pickering

Report Created:
 05/04/06 15:29

Total Metals per EPA 6000/7000 Series Methods
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPD0824-37 (TP-30-1)		Soil								Sampled: 04/17/06 13:05
Arsenic	EPA 6020	4.99	----	0.593	mg/kg dry	1x	6040922	04/20/06	05/04/06 02:19	
Lead	"	7.74	----	0.593	"	"	"	"	"	
PPD0824-38 (TP-30-2)		Soil								Sampled: 04/17/06 10:43
Arsenic	EPA 6020	4.87	----	0.601	mg/kg dry	1x	6040922	04/20/06	05/04/06 02:27	
PPD0824-39 (TP-31-1)		Soil								Sampled: 04/17/06 13:12
Arsenic	EPA 6020	5.77	----	0.643	mg/kg dry	1x	6040922	04/20/06	05/04/06 02:34	
Lead	"	11.6	----	0.643	"	"	"	"	"	
PPD0824-40 (TP-31-2)		Soil								Sampled: 04/17/06 13:13
Arsenic	EPA 6020	5.51	----	0.617	mg/kg dry	1x	6040922	04/20/06	05/04/06 02:42	
PPD0824-41 (TP-32-1)		Soil								Sampled: 04/17/06 15:56
Arsenic	EPA 6020	4.15	----	0.595	mg/kg dry	1x	6040923	04/20/06	05/03/06 17:34	
Lead	"	9.58	----	0.595	"	"	"	"	"	
PPD0824-42 (TP-33-1)		Soil								Sampled: 04/17/06 15:37
Arsenic	EPA 6020	5.84	----	0.568	mg/kg dry	1x	6040923	04/20/06	05/03/06 19:05	
Lead	"	18.0	----	0.568	"	"	"	"	"	
PPD0824-43 (TP-33-2)		Soil								Sampled: 04/17/06 15:38
Arsenic	EPA 6020	4.42	----	0.575	mg/kg dry	1x	6040923	04/20/06	05/03/06 19:20	
PPD0824-44 (TP-34-1)		Soil								Sampled: 04/17/06 13:23
Arsenic	EPA 6020	4.40	----	0.591	mg/kg dry	1x	6040923	04/20/06	05/03/06 19:36	
Lead	"	4.59	----	0.591	"	"	"	"	"	
PPD0824-45 (TP-34-2)		Soil								Sampled: 04/17/06 13:24
Arsenic	EPA 6020	4.94	----	0.587	mg/kg dry	1x	6040923	04/20/06	05/03/06 19:51	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Darrell Auvil, Project Manager



Ash Creek Associates, Inc.
 9615 SW Allen Blvd. Suite 106
 Beaverton, OR 97005

Project Name: **718 Beebe Rd.**
 Project Number: 1141-00
 Project Manager: Michael Pickering

Report Created:
 05/04/06 15:29

Total Metals per EPA 6000/7000 Series Methods

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPD0824-46 (TP-35-1)		Soil								Sampled: 04/17/06 13:17
Arsenic	EPA 6020	5.71	----	0.645	mg/kg dry	1x	6040923	04/20/06	05/03/06	20:06
Lead	"	6.26	----	0.645	"	"	"	"	"	"
PPD0824-47 (TP-35-2)		Soil								Sampled: 04/17/06 13:18
Arsenic	EPA 6020	4.85	----	0.625	mg/kg dry	1x	6040923	04/20/06	05/03/06	20:21
PPD0824-48 (TP-36-1)		Soil								Sampled: 04/17/06 16:20
Arsenic	EPA 6020	5.03	----	0.632	mg/kg dry	1x	6040923	04/20/06	05/03/06	20:37
Lead	"	10.5	----	0.632	"	"	"	"	"	"
PPD0824-49 (TP-37-1)		Soil								Sampled: 04/17/06 15:00
Arsenic	EPA 6020	4.43	----	0.605	mg/kg dry	1x	6040923	04/20/06	05/03/06	21:06
Lead	"	6.94	----	0.605	"	"	"	"	"	"
PPD0824-50 (TP-38-1)		Soil								Sampled: 04/17/06 13:43
Arsenic	EPA 6020	8.81	----	0.626	mg/kg dry	1x	6040923	04/20/06	05/03/06	21:22
Lead	"	27.5	----	0.626	"	"	"	"	"	"
PPD0824-51 (TP-38-2)		Soil								Sampled: 04/17/06 13:44
Arsenic	EPA 6020	6.30	----	0.568	mg/kg dry	1x	6040923	04/20/06	05/03/06	22:07
PPD0824-52 (TP-39-1)		Soil								Sampled: 04/17/06 13:51
Arsenic	EPA 6020	4.54	----	0.631	mg/kg dry	1x	6040923	04/20/06	05/03/06	22:22
Lead	"	13.4	----	0.631	"	"	"	"	"	"
PPD0824-53 (TP-39-2)		Soil								Sampled: 04/17/06 13:52
Arsenic	EPA 6020	5.08	----	0.595	mg/kg dry	1x	6040923	04/20/06	05/03/06	22:37

Darrell W. Auvil

Darrell Auvil, Project Manager



Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: 718 Beebe Rd. Project Number: 1141-00 Project Manager: Michael Pickering	Report Created: 05/04/06 15:29
---	---	-----------------------------------

Percent Dry Weight (Solids) per Standard Methods
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPD0824-01 (TP-13-1)		Soil								Sampled: 04/17/06 08:00
% Solids	NCA SOP	74.6	----	1.00	% by Weight	1x	6040969	04/21/06	04/21/06	15:02
PPD0824-02 (TP-13-2)		Soil								Sampled: 04/17/06 08:01
% Solids	NCA SOP	76.5	----	1.00	% by Weight	1x	6040969	04/21/06	04/21/06	15:02
PPD0824-03 (TP-12-1)		Soil								Sampled: 04/17/06 08:10
% Solids	NCA SOP	80.0	----	1.00	% by Weight	1x	6040969	04/21/06	04/21/06	15:02
PPD0824-04 (TP-12-2)		Soil								Sampled: 04/17/06 08:11
% Solids	NCA SOP	74.6	----	1.00	% by Weight	1x	6040969	04/21/06	04/21/06	15:02
PPD0824-05 (TP-14-1)		Soil								Sampled: 04/17/06 08:15
% Solids	NCA SOP	75.1	----	1.00	% by Weight	1x	6040969	04/21/06	04/21/06	15:02
PPD0824-06 (TP-14-2)		Soil								Sampled: 04/17/06 08:16
% Solids	NCA SOP	76.7	----	1.00	% by Weight	1x	6040969	04/21/06	04/21/06	15:02
PPD0824-07 (TP-15-1)		Soil								Sampled: 04/17/06 08:22
% Solids	NCA SOP	71.6	----	1.00	% by Weight	1x	6040969	04/21/06	04/21/06	15:02
PPD0824-08 (TP-15-2)		Soil								Sampled: 04/17/06 08:23
% Solids	NCA SOP	78.2	----	1.00	% by Weight	1x	6040969	04/21/06	04/21/06	15:02
PPD0824-09 (TP-16-1)		Soil								Sampled: 04/17/06 09:06
% Solids	NCA SOP	76.9	----	1.00	% by Weight	1x	6040969	04/21/06	04/21/06	15:02
PPD0824-10 (TP-16-2)		Soil								Sampled: 04/17/06 09:07
% Solids	NCA SOP	78.6	----	1.00	% by Weight	1x	6040969	04/21/06	04/21/06	15:02
PPD0824-11 (TP-17-1)		Soil								Sampled: 04/17/06 09:00

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darrell W. Auvil

Darrell Auvil, Project Manager

Ash Creek Associates, Inc.
 9615 SW Allen Blvd. Suite 106
 Beaverton, OR 97005

Project Name: **718 Beebe Rd.**
 Project Number: **1141-00**
 Project Manager: **Michael Pickering**

Report Created:
05/04/06 15:29

Percent Dry Weight (Solids) per Standard Methods

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPD0824-11 (TP-17-1)		Soil								Sampled: 04/17/06 09:00
% Solids	NCA SOP	76.2	----	1.00	% by Weight	1x	6040969	04/21/06	04/21/06	15:02
PPD0824-12 (TP-17-2)		Soil								Sampled: 04/17/06 09:01
% Solids	NCA SOP	72.8	----	1.00	% by Weight	1x	6040969	04/21/06	04/21/06	15:02
PPD0824-13 (TP-18-1)		Soil								Sampled: 04/17/06 09:14
% Solids	NCA SOP	80.8	----	1.00	% by Weight	1x	6040969	04/21/06	04/21/06	15:02
PPD0824-14 (TP-18-2)		Soil								Sampled: 04/17/06 09:15
% Solids	NCA SOP	79.0	----	1.00	% by Weight	1x	6040969	04/21/06	04/21/06	15:02
PPD0824-15 (TP-19-1)		Soil								Sampled: 04/17/06 09:20
% Solids	NCA SOP	72.1	----	1.00	% by Weight	1x	6040969	04/21/06	04/21/06	15:02
PPD0824-16 (TP-19-2)		Soil								Sampled: 04/17/06 09:21
% Solids	NCA SOP	82.6	----	1.00	% by Weight	1x	6040969	04/21/06	04/21/06	15:02
PPD0824-17 (TP-20-1)		Soil								Sampled: 04/17/06 10:00
% Solids	NCA SOP	77.5	----	1.00	% by Weight	1x	6040969	04/21/06	04/21/06	15:02
PPD0824-18 (TP-20-2)		Soil								Sampled: 04/17/06 10:01
% Solids	NCA SOP	79.2	----	1.00	% by Weight	1x	6040969	04/21/06	04/21/06	15:02
PPD0824-19 (TP-21-1)		Soil								Sampled: 04/17/06 09:52
% Solids	NCA SOP	81.4	----	1.00	% by Weight	1x	6040969	04/21/06	04/21/06	15:02
PPD0824-20 (TP-21-2)		Soil								Sampled: 04/17/06 09:53
% Solids	NCA SOP	79.4	----	1.00	% by Weight	1x	6040969	04/21/06	04/21/06	15:02
PPD0824-21 (TP-22-1)		Soil								Sampled: 04/17/06 11:18

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Darrell Auvil, Project Manager


Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: 718 Beebe Rd. Project Number: 1141-00 Project Manager: Michael Pickering	Report Created: 05/04/06 15:29
---	---	-----------------------------------

Percent Dry Weight (Solids) per Standard Methods
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPD0824-21 (TP-22-1)		Soil								Sampled: 04/17/06 11:18
% Solids	NCA SOP	70.6	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06 14:31	
PPD0824-22 (TP-22-2)		Soil								Sampled: 04/17/06 11:19
% Solids	NCA SOP	75.7	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06 14:31	
PPD0824-23 (TP-23-1)		Soil								Sampled: 04/17/06 11:25
% Solids	NCA SOP	72.7	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06 14:31	
PPD0824-24 (TP-23-2)		Soil								Sampled: 04/17/06 11:26
% Solids	NCA SOP	72.1	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06 14:31	
PPD0824-25 (TP-24-1)		Soil								Sampled: 04/17/06 10:10
% Solids	NCA SOP	76.1	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06 14:31	
PPD0824-26 (TP-24-2)		Soil								Sampled: 04/17/06 10:11
% Solids	NCA SOP	72.7	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06 14:31	
PPD0824-27 (TP-25-1)		Soil								Sampled: 04/17/06 10:19
% Solids	NCA SOP	78.1	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06 14:31	
PPD0824-28 (TP-25-2)		Soil								Sampled: 04/17/06 10:20
% Solids	NCA SOP	78.8	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06 14:31	
PPD0824-29 (TP-26-1)		Soil								Sampled: 04/17/06 11:40
% Solids	NCA SOP	76.0	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06 14:31	
PPD0824-30 (TP-26-2)		Soil								Sampled: 04/17/06 11:41
% Solids	NCA SOP	76.6	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06 14:31	
PPD0824-31 (TP-27-1)		Soil								Sampled: 04/17/06 11:32

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.


 Darrell Auvil, Project Manager

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: 718 Beebe Rd. Project Number: 1141-00 Project Manager: Michael Pickering	Report Created: 05/04/06 15:29
---	---	-----------------------------------

Percent Dry Weight (Solids) per Standard Methods
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPD0824-31 (TP-27-1)		Soil								Sampled: 04/17/06 11:32
% Solids	NCA SOP	77.0	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06 14:31	
PPD0824-32 (TP-27-2)		Soil								Sampled: 04/17/06 11:33
% Solids	NCA SOP	78.9	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06 14:31	
PPD0824-33 (TP-28-1)		Soil								Sampled: 04/17/06 10:48
% Solids	NCA SOP	79.2	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06 14:31	
PPD0824-34 (TP-28-2)		Soil								Sampled: 04/17/06 10:49
% Solids	NCA SOP	79.5	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06 14:31	
PPD0824-35 (TP-29-1)		Soil								Sampled: 04/17/06 10:42
% Solids	NCA SOP	84.1	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06 14:31	
PPD0824-36 (TP-29-2)		Soil								Sampled: 04/17/06 10:43
% Solids	NCA SOP	82.7	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06 14:31	
PPD0824-37 (TP-30-1)		Soil								Sampled: 04/17/06 13:05
% Solids	NCA SOP	80.3	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06 14:31	
PPD0824-38 (TP-30-2)		Soil								Sampled: 04/17/06 10:43
% Solids	NCA SOP	81.5	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06 14:31	
PPD0824-39 (TP-31-1)		Soil								Sampled: 04/17/06 13:12
% Solids	NCA SOP	76.2	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06 14:31	
PPD0824-40 (TP-31-2)		Soil								Sampled: 04/17/06 13:13
% Solids	NCA SOP	78.7	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06 14:31	
PPD0824-41 (TP-32-1)		Soil								Sampled: 04/17/06 15:56

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Darrell Auvil, Project Manager



Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: 718 Beebe Rd. Project Number: 1141-00 Project Manager: Michael Pickering	Report Created: 05/04/06 15:29
---	---	--

Percent Dry Weight (Solids) per Standard Methods
 TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPD0824-41 (TP-32-1)		Soil								Sampled: 04/17/06 15:56
% Solids	NCA SOP	84.1	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06	14:31
PPD0824-42 (TP-33-1)		Soil								Sampled: 04/17/06 15:37
% Solids	NCA SOP	83.8	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06	14:31
PPD0824-43 (TP-33-2)		Soil								Sampled: 04/17/06 15:38
% Solids	NCA SOP	82.8	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06	14:31
PPD0824-44 (TP-34-1)		Soil								Sampled: 04/17/06 13:23
% Solids	NCA SOP	81.4	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06	14:31
PPD0824-45 (TP-34-2)		Soil								Sampled: 04/17/06 13:24
% Solids	NCA SOP	81.1	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06	14:31
PPD0824-46 (TP-35-1)		Soil								Sampled: 04/17/06 13:17
% Solids	NCA SOP	76.8	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06	14:31
PPD0824-47 (TP-35-2)		Soil								Sampled: 04/17/06 13:18
% Solids	NCA SOP	80.0	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06	14:31
PPD0824-48 (TP-36-1)		Soil								Sampled: 04/17/06 16:20
% Solids	NCA SOP	78.3	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06	14:31
PPD0824-49 (TP-37-1)		Soil								Sampled: 04/17/06 15:00
% Solids	NCA SOP	80.3	----	1.00	% by Weight	1x	6041053	04/24/06	04/25/06	14:31
PPD0824-50 (TP-38-1)		Soil								Sampled: 04/17/06 13:43
% Solids	NCA SOP	77.6	----	1.00	% by Weight	1x	6040968	04/21/06	04/21/06	15:07
PPD0824-51 (TP-38-2)		Soil								Sampled: 04/17/06 13:44

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Darrell Auvil, Project Manager

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: 718 Beebe Rd. Project Number: 1141-00 Project Manager: Michael Pickering	Report Created: 05/04/06 15:29
---	---	-----------------------------------

Percent Dry Weight (Solids) per Standard Methods
TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPD0824-51 (TP-38-2)		Soil								Sampled: 04/17/06 13:44
% Solids	NCA SOP	83.8	----	1.00	% by Weight	1x	6040968	04/21/06	04/21/06	15:07
PPD0824-52 (TP-39-1)		Soil								Sampled: 04/17/06 13:51
% Solids	NCA SOP	77.7	----	1.00	% by Weight	1x	6040968	04/21/06	04/21/06	15:07
PPD0824-53 (TP-39-2)		Soil								Sampled: 04/17/06 13:52
% Solids	NCA SOP	80.8	----	1.00	% by Weight	1x	6040968	04/21/06	04/21/06	15:07

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darrell W. Auvil

Darrell Auvil, Project Manager



Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: 718 Beebe Rd. Project Number: 1141-00 Project Manager: Michael Pickering	Report Created: 05/04/06 15:29
---	---	-----------------------------------

Total Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results
 TestAmerica - Portland, OR

QC Batch: 6040921 Soil Preparation Method: EPA 3050

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC (Limits)	% RPD (Limits)	Analyzed	Notes
Blank (6040921-BLK1)							Extracted: 04/20/06 08:58					
Arsenic	EPA 6020	ND	---	0.490	mg/kg wet	1x	--	--	--	--	05/03/06 01:42	
Lead	"	ND	---	0.490	"	"	--	--	--	--	05/02/06 17:26	
LCS (6040921-BS1)							Extracted: 04/20/06 08:58					
Arsenic	EPA 6020	10.6	---	0.481	mg/kg wet	1x	--	9.62	110% (80-120)	--	05/03/06 01:49	
Lead	"	9.00	---	0.481	"	"	--	"	93.6%	"	05/02/06 17:34	
Duplicate (6040921-DUP1)				QC Source: PPD0824-01			Extracted: 04/20/06 08:58					
Arsenic	EPA 6020	25.9	---	0.657	mg/kg dry	1x	25.5	--	--	1.56% (40)	05/03/06 02:05	
Lead	"	59.0	---	0.657	"	"	58.1	--	--	1.54%	05/02/06 17:49	
Matrix Spike (6040921-MS1)				QC Source: PPD0824-01			Extracted: 04/20/06 08:58					
Arsenic	EPA 6020	35.5	---	0.644	mg/kg dry	1x	25.5	12.9	77.5% (75-125)	--	05/03/06 02:20	
Lead	"	55.2	---	0.644	"	"	58.1	"	-22.5%	"	05/02/06 18:04	Q-03
Matrix Spike (6040921-MS2)				QC Source: PPD0824-11			Extracted: 04/20/06 08:58					
Arsenic	EPA 6020	20.1	---	0.637	mg/kg dry	1x	6.07	12.7	110% (75-125)	--	05/03/06 04:05	
Lead	"	18.2	---	0.637	"	"	6.68	"	90.7%	"	05/02/06 19:42	

QC Batch: 6040922 Soil Preparation Method: EPA 3050

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC (Limits)	% RPD (Limits)	Analyzed	Notes
Blank (6040922-BLK1)							Extracted: 04/20/06 08:59					
Arsenic	EPA 6020	ND	---	0.481	mg/kg wet	1x	--	--	--	--	05/03/06 07:52	
Lead	"	ND	---	0.481	"	"	--	--	--	--	05/02/06 21:19	
LCS (6040922-BS1)							Extracted: 04/20/06 08:59					
Arsenic	EPA 6020	11.0	---	0.500	mg/kg wet	1x	--	10.0	110% (80-120)	--	05/03/06 08:00	
Lead	"	9.06	---	0.500	"	"	--	"	90.6%	"	05/02/06 21:27	
Duplicate (6040922-DUP1)				QC Source: PPD0824-21			Extracted: 04/20/06 08:59					
Arsenic	EPA 6020	6.59	---	0.674	mg/kg dry	1x	6.04	--	--	8.71% (40)	05/04/06 00:43	
Lead	"	10.4	---	0.674	"	"	10.4	--	--	0.00%	"	"
Matrix Spike (6040922-MS1)				QC Source: PPD0824-21			Extracted: 04/20/06 08:59					
Arsenic	EPA 6020	23.7	---	0.708	mg/kg dry	1x	6.04	14.2	124% (75-125)	--	05/04/06 00:57	
Lead	"	29.2	---	0.708	"	"	10.4	"	132%	"	"	Q-14

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darrell W. Auvil

Darrell Auvil, Project Manager



Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: 718 Beebe Rd. Project Number: 1141-00 Project Manager: Michael Pickering	Report Created: 05/04/06 15:29
---	---	-----------------------------------

Total Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results
 TestAmerica - Portland, OR

QC Batch: 6040922 Soil Preparation Method: EPA 3050

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC (Limits)	% RPD (Limits)	Analyzed	Notes
Matrix Spike (6040922-MS2)							QC Source: PPD0824-31		Extracted: 04/20/06 08:59			
Arsenic	EPA 6020	19.6	---	0.649	mg/kg dry	1x	6.22	13.0	103% (75-125)	--	--	05/03/06 19:41
Lead	"	27.0	---	0.649	"	"	12.6	"	111%	"	--	"

QC Batch: 6040923 Soil Preparation Method: EPA 3050

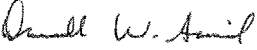
Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC (Limits)	% RPD (Limits)	Analyzed	Notes
Blank (6040923-BLK1)							Extracted: 04/20/06 09:00					
Arsenic	EPA 6020	ND	---	0.495	mg/kg wet	1x	--	--	--	--	--	05/03/06 17:03
Lead	"	ND	---	0.495	"	"	--	--	--	--	--	"

LCS (6040923-BS1)							Extracted: 04/20/06 09:00					
Arsenic	EPA 6020	9.49	---	0.481	mg/kg wet	1x	--	9.62	98.6% (80-120)	--	--	05/03/06 17:19
Lead	"	9.33	---	0.481	"	"	--	"	97.0%	"	--	"

Duplicate (6040923-DUP1)							QC Source: PPD0824-41		Extracted: 04/20/06 09:00			
Arsenic	EPA 6020	4.01	---	0.589	mg/kg dry	1x	4.15	--	--	--	3.43% (40)	05/03/06 17:50
Lead	"	8.41	---	0.589	"	"	9.58	--	--	--	13.0%	"

Matrix Spike (6040923-MS1)							QC Source: PPD0824-41		Extracted: 04/20/06 09:00			
Arsenic	EPA 6020	16.0	---	0.577	mg/kg dry	1x	4.15	11.5	103% (75-125)	--	--	05/03/06 18:20
Lead	"	20.1	---	0.577	"	"	9.58	"	91.5%	"	--	"

Matrix Spike (6040923-MS2)							QC Source: PPD0824-48		Extracted: 04/20/06 09:00			
Arsenic	EPA 6020	16.5	---	0.626	mg/kg dry	1x	5.03	12.5	91.8% (75-125)	--	--	05/03/06 20:52
Lead	"	24.8	---	0.626	"	"	10.5	"	114%	"	--	"


 Darrell Auvil, Project Manager

Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: 718 Beebe Rd. Project Number: 1141-00 Project Manager: Michael Pickering	Report Created: 05/04/06 15:29
---	---	-----------------------------------

Percent Dry Weight (Solids) per Standard Methods - Laboratory Quality Control Results
 TestAmerica - Portland, OR

QC Batch: 6040968 Other dry Preparation Method: Dry Weight

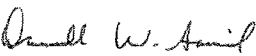
Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC (Limits)	% RPD (Limits)	Analyzed	Notes
Duplicate (6040968-DUP1)							QC Source: PPD0824-50		Extracted: 04/21/06 07:35			
% Solids	NCA SOP	78.1	---	1.00 % by Weight	1x	77.6	--	--	--	0.642 (20)	04/21/06 15:07	

QC Batch: 6040969 Other dry Preparation Method: Dry Weight

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC (Limits)	% RPD (Limits)	Analyzed	Notes
Duplicate (6040969-DUP1)							QC Source: PPD0824-01		Extracted: 04/21/06 07:40			
% Solids	NCA SOP	75.0	---	1.00 % by Weight	1x	74.6	--	--	--	0.535 (20)	04/21/06 15:02	

QC Batch: 6041053 Other dry Preparation Method: Dry Weight

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC (Limits)	% RPD (Limits)	Analyzed	Notes
Duplicate (6041053-DUP1)							QC Source: PPD0824-21		Extracted: 04/24/06 09:41			
% Solids	NCA SOP	73.0	---	1.00 % by Weight	1x	70.6	--	--	--	3.34% (20)	04/28/06 11:06	
Duplicate (6041053-DUP2)							QC Source: PPD0824-24		Extracted: 04/24/06 09:41			
% Solids	NCA SOP	72.9	---	1.00 % by Weight	1x	72.1	--	--	--	1.10% (20)	04/28/06 11:06	


 Darrell Auvil, Project Manager

Ash Creek Associates, Inc.
9615 SW Allen Blvd. Suite 106
Beaverton, OR 97005

Project Name: **718 Beebe Rd.**
Project Number: 1141-00
Project Manager: Michael Pickering

Report Created:
05/04/06 15:29

Notes and Definitions

Report Specific Notes:

- Q-03 - The matrix spike recovery, and/or RPD, for this QC sample cannot be accurately calculated due to the high concentration of analyte already present in the source sample.
- Q-14 - The matrix spike recovery, and/or RPD, for this QC sample is outside of control limits due to a non-homogeneous sample matrix.

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR/NA - Not Reported / Not Available
- dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
- wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' or 'dry' are reported on a Wet Weight Basis.
- RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and Limits - percent solids, where applicable.
- Electronic - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*. Signature - Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.



Darrell Auvil, Project Manager





11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244
 425-420-9200 FAX 420-9210
 11922 E 1st Ave, Spokane, WA 99206-5302 FAX 924-9200
 9405 SW Nimbus Ave, Beaverton, OR 97008-7145 FAX 906-9210
 20332 Empire Ave, Ste F1, Bend, OR 97701-5712 FAX 382-7588
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 FAX 563-9210

CHAIN OF CUSTODY REPORT

NCA CLIENT: Ash Creek Associates
 REPORT TO: Michael Pickering
 ADDRESS: 9615 SW Awen Blvd. Ste. 106
 Beaverton, OR 97005
 PHONE: 503.924.4704 FAX: 503.924.4707
 PROJECT NAME: 718 Beebe Rd.

INVOICE TO: Same
 P.O. NUMBER:
 PRESERVATIVE:
 REQUESTED ANALYSES:

TURNAROUND REQUEST
 in Business Days *
 Organic & Inorganic Analyses
 Petroleum Hydrocarbon Analyses
 1 2 3 4 5 6 7 8 9 10 11 12
 OTHER Specify:
 * Turnaround Request not guaranteed for our Best Charge

Work Order #: PP00024

PROJECT NUMBER: 1141-00

SAMPLED BY: K. Boris

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	NCA WORD
1 TP-13-1	4/17/06 8:00	S	1		
2 TP-13-2	4/17/06 8:01	S	1		
3 TP-12-1	4/17/06 8:10	S	1		
4 TP-12-2	4/17/06 8:11	S	1		
5 TP-14-1	4/17/06 8:15	S	1		
6 TP-14-2	4/17/06 8:16	S	1		
7 TP-15-1	4/17/06 8:22	S	1		
8 TP-15-2	4/17/06 8:23	S	1		
9 TP-16-1	4/17/06 9:06	S	1		
10 TP-16-2	4/17/06 9:07	S	1		

RELEASED BY: *Kirsten Boris* DATE: 4/19/06
 PRINT NAME: Kirsten Boris FIRM: AshCreek TIME: 16:35
 RECEIVED BY: *[Signature]* DATE: 4/19/06
 PRINT NAME: *[Signature]* FIRM: MA TIME: 10:55

RECEIVED BY: DATE: TIME:
 PRINT NAME: FIRM: TIME:
 ADDITIONAL REMARKS:
 1.9 2.1



11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 FAX 420-9200
 425-420-9200 FAX 470-9210
 11922 E 1st Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
 9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
 20332 Empire Ave, Ste F1, Bend, OR 97701-5712 541-383-9310 FAX 382-7588
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

NCA CLIENT: Ash Creek Associates
 REPORT TO: Michael Pickering
 ADDRESS: 61015 SW ALLEN BND. STE. 100
 BEAVERTON, OR 97005
 PHONE: 503-924-4704 FAX: 503-924-4707
 PROJECT NAME: 718 BUCKLE RD.
 PROJECT NUMBER: 1141-00
 SAMPLED BY: K. Boris

INVOICE TO: SOME
 P.O. NUMBER:
 PRESERVATIVE

TURNAROUND REQUEST
 In Business Days *
 Organic & Inorganic Analyses
 7 3 4 3 2 1 <1
 Petroleum Hydrocarbon Analyses
 5 4 3 1 <1
 OTHER Specify:
 * Turnaround Request for New material may have additional charges

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA W/O ID
1 TP-17-1	4/17/06 9:00	S	1		
2 TP-17-2	4/17/06 9:01	S	1		
3 TP-18-1	4/17/06 9:14	S	1		
4 TP-18-2	4/17/06 9:15	S	1		
5 TP-19-1	4/17/06 9:20	S	1		
6 TP-19-2	4/17/06 9:21	S	1		
7 TP-20-1	4/17/06 10:00	S	1		
8 TP-20-2	4/17/06 10:01	S	1		
9 TP-21-1	4/17/06 9:52	S	1		
10 TP-21-2	4/17/06 9:53	S	1		

REQUESTED ANALYSES

RECEIVED BY: [Signature] DATE: 4/18/06
 PRINT NAME: Allyson Green FIRM: NCA TIME: 10:35
 RECEIVED BY: DATE:
 PRINT NAME: FIRM: TIME:
 RECEIVED BY: DATE:
 PRINT NAME: FIRM: TIME:
 ADDITIONAL REMARKS:
 COC REV 09/04



11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244
 11922 E 1st Ave, Spokane, WA 99206-5302
 9405 SW Nimbus Ave, Beaverton, OR 97008-7145
 20332 Empire Ave, Ste F1, Bend, OR 97701-5712
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119

FAX 420-9210
 FAX 924-9290
 FAX 906-9210
 FAX 382-7588
 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #:

NCA CLIENT: <u>Ash Creek Associates</u> REPORT TO: <u>Michael Pickering</u> ADDRESS: <u>10105 SW Allen Blvd, Ste. 100</u> <u>Beaverton, OR 97005</u> PHONE: <u>503-224-4104</u> FAX: <u>503-924-4107</u> PROJECT NAME: <u>715 Pioneer Rd.</u>		INVOICE TO: <u>same</u> P.O. NUMBER:	
PROJECT NUMBER: <u>11-11-00</u> SAMPLED BY: <u>K. Bonis</u>		PRESERVATIVE:	
REQUESTED ANALYSES:		TURNAROUND REQUEST in Business Days* <input checked="" type="checkbox"/> 7 <input type="checkbox"/> 9 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1 Organic & Inorganic Analyses <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1 Petroleum Hydrocarbon Analyses	
MATRIX (W, S, O)		LOCATION / COMMENTS	
# OF CONT.		NCA WORD	
OTHER Specify:		RECEIVED BY: <u>[Signature]</u> DATE: <u>4/18/06</u>	
PRINT NAME: <u>Kirsten Bonis</u>		PRINT NAME: <u>Allyson Merm</u> TIME: <u>10:13</u>	
FIRM: <u>Bonis</u>		FIRM: <u>NA</u>	
ADDITIONAL REMARKS:		TEMP: <u>1.9 2.1</u>	



11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
 11922 E 1st Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
 9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
 20332 Empire Ave, Ste F1, Bend, OR 97701-5712 541-383-9310 FAX 382-7588
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

NCA CLIENT: Ash Creek Associates
 REPORT TO: Michael Pickering
 ADDRESS: 9115 SW ALLEN BLVD, STE. 100
BEAVERTON, OR 97008
 PHONE: 503-924-4704 FAX: 503-924-4707
 PROJECT NAME: 718 Parker Rd.
 INVOICE TO: SOME
 P.O. NUMBER:

Work Order #:
 PRESERVATIVE
 REQUESTED ANALYSES

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	1	2	3	4	5	6	7	8	9	10	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1 TP-27-1	4/17/04 11:32	X	X									S	1		
2 TP-27-2	4/17/04 11:33	X	X									S	1		
3 TP-28-1	4/17/04 10:48	X	X									S	1		
4 TP-28-2	4/17/04 10:49	X	X									S	1		
5 TP-29-1	4/17/04 10:42	X	X									S	1		
6 TP-29-2	4/17/04 10:43	X	X									S	1		
7 TP-30-1	4/17/04 13:05	X	X									S	1		
8 TP-30-2	4/17/04 13:06	X	X									S	1		
9 TP-31-1	4/17/04 13:12	X	X									S	1		
10 TP-31-2	4/17/04 13:13	X	X									S	1		

TURNAROUND REQUEST
 in Business Days *
 7 Organic & Inorganic Analyses
 5 Petroleum Hydrocarbon Analyses
 3
 1
 <1
 OTHER Specify:
 *Turnaround Request for this material may have been changed.

RECEIVED BY: [Signature] DATE: 4-18-04
 PRINT NAME: Alison Clark FIRM: MA
 RECEIVED BY: DATE:
 PRINT NAME: FIRM:
 ADDITIONAL REMARKS:
 COC REV 09/04



11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244
 11922 E 1st Ave, Spokane, WA 99206-5302
 9405 SW Nimbus Ave, Beaverton, OR 97008-7145
 20332 Empire Ave, Ste F1, Bend, OR 97701-5712
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119

425-420-9200
 509-974-9200
 503-906-9200
 541-383-9310
 907-563-9200

FAX 420-9210
 FAX 924-9290
 FAX 906-9210
 FAX 383-7588
 FAX 563-9210

CHAIN OF CUSTODY REPORT

NCA CLIENT: Ash Creek Associates
 REPORT TO: Michelle Pickering
 ADDRESS: 61015 SW ALBERTA BLVD, STE. 106
 BEAVERTON, OR 97008
 PHONE: 503-924-4704 FAX: 503-924-4707
 PROJECT NAME: 718 Paces, P.A.
 PROJECT NUMBER: 1111-00
 SAMPLED BY: K. Benis

INVOICE TO: BOWME
 P.O. NUMBER:
 PRESERVATIVE:
 REQUESTED ANALYSES:

TURNAROUND REQUEST
 In Business Days:
 7
 5
 4
 3
 2
 1
 <1

Organic & Inorganic Analyses
 Petroleum Hydrocarbon Analyses
 5
 4
 3
 2
 1
 <1

OTHER Specify:
*Turnaround Request for this method may have been changed

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1 TP-32-1	4/17/06 15:56	S	1		
2 TP-33-1	4/17/06 15:37	S	1		
3 TP-33-2	4/17/06 15:38	S	1		
4 TP-34-1	4/17/06 13:23	S	1		
5 TP-34-2	4/17/06 13:24	S	1		
6 TP-35-1	4/17/06 13:17	S	1		
7 TP-35-2	4/17/06 13:18	S	1		
8 TP-36-1	4/17/06 16:20	S	1		
9 TP-37-1	4/17/06 15:00	S	1		
10 TP-38-1	4/17/06 13:43	S	1		

RECEIVED BY: *[Signature]* DATE: 4/18/06
 PRINT NAME: Ash Creek FIRM: Ash Creek
 RECEIVED BY: *[Signature]* DATE: 4/18/06
 PRINT NAME: Ash Creek FIRM: Ash Creek

ADDITIONAL REMARKS:
 COC REV 09/04



11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244
 11922 E 1st Ave, Spokane, WA 99206-5302
 9405 SW Nimbus Ave, Beaverton, OR 97008-7145
 20332 Empire Ave, Ste F1, Bend, OR 97701-5712
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119

FAX 420-9210
 FAX 924-9200
 FAX 906-9210
 FAX 382-7588
 FAX 563-9210

425-420-9200
 509-924-9200
 503-906-9200
 541-383-9310
 907-563-9200

CHAIN OF CUSTODY REPORT

NCA CLIENT: Asn Creek Associates
 REPORT TO: Michael Pickering
 ADDRESS: 91015 SW Auler Blvd, Ste. 100
Beaverton, OR 97008
 PHONE: 503-424-4704 FAX: 503-424-4707
 PROJECT NAME: 718 Powers Rd.

INVOICE TO: same
 P.O. NUMBER:

Work Order #:
 PRESERVATIVE
 REQUESTED ANALYSES

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1 TP-38-2	4/17/06 13:44	S	1		
2 TP-39-1	4/17/06 13:51	S	1		
3 TP-39-2	4/17/06 13:52	S	1		
4					
5					
6					
7					
8					
9					
10					

TURNAROUND REQUEST
 in Business Days *
 Organic & Inorganic Analyses
 Petroleum Hydrocarbon Analyses

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

OTHER Specify:
 *Turnaround Request for this analysis may have been changed

RELEASED BY: [Signature] DATE: 4/18/06
 PRINT NAME: Kirsten Bonis FIRM: Asn Creek
 RECEIVED BY: [Signature] DATE: 4-18-06
 PRINT NAME: Ally G. [Signature] FIRM: Ut
 RECEIVED BY: DATE: TIME: 16:35
 PRINT NAME: FIRM: TIME: 16:35



11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244
 11922 E 1st Ave, Spokane, WA 99206-5302
 9405 SW Nimbus Ave, Beaverton, OR 97008-7145
 20332 Empire Ave, Ste F1, Bend, OR 97701-5712
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119

FAX 420-9200
 FAX 924-9290
 FAX 906-9210
 FAX 382-7588
 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: _____

INVOICE TO: same

P.O. NUMBER: _____

PROJECT NAME: 718 Beebe Rd.

PROJECT NUMBER: 1141-00

SAMPLED BY: K. Boris

NCA CLIENT: Ash Creek Associates

REPORT TO: Michael Pickering

ADDRESS: 9615 SW Allen Blvd. Ste. 106

PHONE: 503-924-4704 FAX: 503-924-4707

TURNAROUND REQUEST

In Business Days *

Organic & Inorganic Analyses

Petroleum Hydrocarbon Analyses

OTHER Specify: _____

* Functional Request for / Non-Functional Request for / Other

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	REQUESTED ANALYSES	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1 TP-13-1	4/17/06 8:00	TPA 6000/7000 TPA 6000/7000 TPA 6000/7000	S	1		
2 TP-13-2	4/17/06 8:01		S	1		
3 TP-12-1	4/17/06 8:10		S	1		
4 TP-12-2	4/17/06 8:11		S	1		
5 TP-14-1	4/17/06 8:15		S	1		
6 TP-14-2	4/17/06 8:16		S	1		
7 TP-15-1	4/17/06 8:22		S	1		
8 TP-15-2	4/17/06 8:23		S	1		
9 TP-16-1	4/17/06 9:06		S	1		
10 TP-16-2	4/17/06 9:07		S	1		

RELEASED BY: Kirsten Boris DATE: 4/18/06

PRINT NAME: Kirsten Boris FIRM: Ash Creek DATE: 4-18-06

RECEIVED BY: [Signature] DATE: 4-18-06

PRINT NAME: [Signature] FIRM: NA TIME: 10:35

RECEIVED BY: _____ DATE: _____

PRINT NAME: _____ FIRM: _____

ADDITIONAL REMARKS: _____

COC REV 09/04



11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 FAX 420-9200 FAX 420-9210
 11922 E 1st Ave, Spokane, WA 99206-5302 FAX 924-9200 FAX 924-9290
 9405 SW Nimbus Ave, Beaverton, OR 97008-7145 FAX 906-9210 FAX 906-9210
 20332 Empire Ave, Ste F1, Bend, OR 97701-5712 FAX 383-9310 FAX 382-7588
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 FAX 563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

NCA CLIENT: Ash Creek Associates
 REPORT TO: Michael Pickering
 ADDRESS: 9115 SW Allen Blvd, Ste. 106
 Beaverton, OR 97005
 PHONE: 503-924-4704 FAX: 503-924-4707
 PROJECT NAME: 718 Peace Rd.
 PROJECT NUMBER: 1141-00
 SAMPLED BY: K. Boris

INVOICE TO: same
 P.O. NUMBER:
 PRESERVATIVE:
 REQUESTED ANALYSES:

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	1	2	3	4	5	6	7	8	9	10
1 TP-17-1	4/17/06 9:00	X	X								
2 TP-17-2	4/17/06 9:01	X									
3 TP-18-1	4/17/06 9:14	X	X								
4 TP-18-2	4/17/06 9:15	X									
5 TP-19-1	4/17/06 9:20	X	X								
6 TP-19-2	4/17/06 9:21	X									
7 TP-20-1	4/17/06 10:00	X	X								
8 TP-20-2	4/17/06 10:01	X									
9 TP-21-1	4/17/06 9:52	X	X								
10 TP-21-2	4/17/06 9:53	X									

TURNAROUND REQUEST
 In Business Days *
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

Organic & Inorganic Analyses
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

Petroleum Hydrocarbon Analyses
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

OTHER Specify:
* Turnaround Request for this product may have fast charge

MATRIX (W, S, O) LOCATION / COMMENTS NCA WO ID

1 S 1
 2 S 1
 3 S 1
 4 S 1
 5 S 1
 6 S 1
 7 S 1
 8 S 1
 9 S 1
 10 S 1

RECEIVED BY: *[Signature]* DATE: 4-19-06
 PRINT NAME: Kirsten Boris FIRM: Ash Creek TIME: 16:35
 RECEIVED BY: *[Signature]* DATE: 4-19-06
 PRINT NAME: Kirsten Boris FIRM: Ash Creek TIME: 16:35

ADDITIONAL REMARKS:
 1.92.1



11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
 11922 E 1st Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
 9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
 20332 Empire Ave, Ste F1, Bend, OR 97701-5712 541-383-9310 FAX 382-7588
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #:

NCA CLIENT: <u>Ash Creek Associates</u>		INVOICE TO: <u>SOME</u>			
REPORT TO: <u>Michael Pickering</u>		P.O. NUMBER:			
ADDRESS: <u>91015 SW Allen Blvd. Ste. 100</u>		PRESERVATIVE			
PHONE: <u>503.924.4704</u> FAX: <u>503.924.4707</u>		REQUESTED ANALYSES			
PROJECT NAME: <u>718 Beebe Rd.</u>		OTHER: <input type="checkbox"/> Specify: _____			
PROJECT NUMBER: <u>1141-00</u>		Turnaround Request (in Business Days) * Turnaround Request (in Business Days) Full Charge			
SAMPLED BY: <u>K. Boris</u>		<input checked="" type="checkbox"/> Organic & Inorganic Analyses <input type="checkbox"/> Petroleum Hydrocarbon Analyses <input type="checkbox"/> <u>5</u> <input type="checkbox"/> <u>4</u> <input type="checkbox"/> <u>3</u> <input type="checkbox"/> <u>2</u> <input type="checkbox"/> <u>1</u> <input type="checkbox"/> <u><1</u> <input type="checkbox"/> <u>5</u> <input type="checkbox"/> <u>4</u> <input type="checkbox"/> <u>3</u> <input type="checkbox"/> <u>2</u> <input type="checkbox"/> <u>1</u> <input type="checkbox"/> <u><1</u>			
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA W/O ID
1 TP-22-1	4/17/06 11:18	S	1		
2 TP-22-2	4/17/06 11:19	S	1		
3 TP-23-1	4/17/06 11:25	S	1		
4 TP-23-2	4/17/06 11:26	S	1		
5 TP-24-1	4/17/06 10:10	S	1		
6 TP-24-2	4/17/06 10:11	S	1		
7 TP-25-1	4/17/06 10:19	S	1		
8 TP-25-2	4/17/06 10:20	S	1		
9 TP-26-1	4/17/06 11:40	S	1		
10 TP-26-2	4/17/06 11:41	S	1		

RELEASED BY: Kirsten Boris DATE: 4/18/06 TIME: 16:35

RECEIVED BY: [Signature] DATE: 16:3

PRINT NAME: Kirsten Boris FIRM: Ash Creek PRINT NAME: [Signature] FIRM: NA

RECEIVED BY: _____ DATE: _____

PRINT NAME: _____ FIRM: _____

ADDITIONAL REMARKS: 1-9 2-1



11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 FAX 420-9200
 11922 E 1st Ave, Spokane, WA 99206-5302 FAX 924-9290
 9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
 20332 Empire Ave, Ste F1, Bend, OR 97701-5712 541-383-9310 FAX 382-7588
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

NCA CLIENT: Ash Creek Associates
 REPORT TO: Michael Pickering
 ADDRESS: 9115 SW Alver Blvd, Ste. 100
 Beaverton, OR 97005
 PHONE: 503.924.4704 FAX: 503.924.4707
 PROJECT NAME: 718 Beebe Rd.

INVOICE TO: same
 P.O. NUMBER:
 PRESERVATIVE:

Work Order #:

TURNAROUND REQUEST
 in Business Days *

Organic & Inorganic Analyses
 7 5 4 3 2 1 <1

Petroleum Hydrocarbon Analyses
 5 4 3 2 1 <1

OTHER: _____
 Specify: _____
 * Turnaround Request for Non standard Analytical Charges

PROJECT NUMBER: 1141-00
 SAMPLED BY: K. Boris

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	REQUESTED ANALYSES	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1 TP-27-1	4/17/06 11:32	X	S	1		
2 TP-27-2	4/17/06 11:33	X	S	1		
3 TP-28-1	4/17/06 10:48	X	S	1		
4 TP-28-2	4/17/06 10:49	X	S	1		
5 TP-29-1	4/17/06 10:42	X	S	1		
6 TP-29-2	4/17/06 10:43	X	S	1		
7 TP-30-1	4/17/06 13:05	X	S	1		
8 TP-30-2	4/17/06 13:06	X	S	1		
9 TP-31-1	4/17/06 13:12	X	S	1		
10 TP-31-2	4/17/06 13:13	X	S	1		

RELEASED BY: *Kirsten Boris* DATE: 4/18/06
 PRINT NAME: Kirsten Boris FIRM: Ash Creek TIME: 16:35
 RECEIVED BY: *Alison C. [Signature]* DATE: 4-18-06
 PRINT NAME: Alison C. [Signature] FIRM: NCA TIME: 16:35

ADDITIONAL REMARKS:
 1.921
 TEMP:



11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 FAX 420-9210
 11922 E 1st Ave, Spokane, WA 99206-5302 FAX 924-9290
 9405 SW Nimbus Ave, Beaverton, OR 97008-7145 FAX 906-9210
 20332 Empire Ave, Ste F1, Bend, OR 97701-5712 FAX 382-7588
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #:

NCA CLIENT: Ash Creek Associates
 REPORT TO: Michael Pickering
 ADDRESS: 91015 SW Allen Blvd, Ste. 100
 Beaverton, OR 97008
 PHONE: 503.424.4704, FAX: 503.424.4707
 PROJECT NAME: 718 Beede Rd.

INVOICE TO: same
 P.O. NUMBER:

PROJECT NUMBER: 1141-00
 SAMPLED BY: K. Boris

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	REQUESTED ANALYSES																		
		1	2	3	4	5	6	7	8	9	10									
1 TP-32-1	4/17/06 15:56	X																		
2 TP-33-1	4/17/06 15:37	X																		
3 TP-33-2	4/17/06 15:38	X																		
4 TP-34-1	4/17/06 13:23	X																		
5 TP-34-2	4/17/06 13:24	X																		
6 TP-35-1	4/17/06 13:17	X																		
7 TP-35-2	4/17/06 13:18	X																		
8 TP-36-1	4/17/06 16:20	X																		
9 TP-37-1	4/17/06 15:00	X																		
10 TP-38-1	4/17/06 13:43	X																		

RELEASED BY: Kirsten Boris
 DATE: 4/18/06
 TIME: 16:35
 FIRM: Ash Creek
 RECEIVED BY: [Signature]
 PRINT NAME: [Signature]
 DATE: 4-18-06
 TIME: 10:13
 FIRM: NCA

TURNAROUND REQUEST in Business Days *

Organic & Inorganic Analyses
 7 5 4 3 2 1 <1

Petroleum Hydrocarbon Analyses
 5 4 3 2 1 <1

OTHER: _____
 Specify: _____
 * Turnaround Request for the standard may have other charges.

MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA W/O ID
S	1		
S	1		
S	1		
S	1		
S	1		
S	1		
S	1		
S	1		
S	1		
S	1		

ADDITIONAL REMARKS:
 TEMP: 19.2.1
 COC REV 09/04



11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 FAX 420-9210
 11922 E 1st Ave, Spokane, WA 99206-5302 FAX 924-9290
 9405 SW Nimbus Ave, Beaverton, OR 97008-7145 FAX 906-9210
 20332 Empire Ave, Ste F1, Bend, OR 97701-5712 FAX 382-7588
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 FAX 563-9210

CHAIN OF CUSTODY REPORT

NCA CLIENT: Ash Creek Associates
 REPORT TO: Michael Pickering
 ADDRESS: 9115 SW Alvern Blvd. Ste. 106
Beaverton, OR 97005
 PHONE: 503.924.4104 FAX: 503.924.4797
 PROJECT NAME: 715 Boone Rd.

INVOICE TO: same
 P.O. NUMBER:

Work Order #:

TURNAROUND REQUEST
 in Business Days *

Organic & Inorganic Analyses
 7 5 4 3 2 1 <1

Petroleum Hydrocarbon Analyses
 5 4 3 2 1 <1

OTHER Specify:

* Turnaround Requested but has not been received from our client

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE	REQUESTED ANALYSES
1 TP-38-2	4/17/06 13:44		
2 TP-39-1	4/17/06 13:51		
3 TP-39-2	4/17/06 13:52		
4			
5			
6			
7			
8			
9			
10			

MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
S	1		
S	1		
S	1		

RELEASED BY: Kirsten Bonis DATE: 4/18/06
 PRINT NAME: Kirsten Bonis FIRM: Ash Creek TIME: 16:35
 RECEIVED BY: [Signature] DATE: 4-18-06
 PRINT NAME: [Signature] FIRM: ALLOY TIME: 16:35

RECEIVED BY: _____ DATE: _____
 PRINT NAME: _____ FIRM: _____
 ADDITIONAL REMARKS:
 TEMP: 19.21

Appendix G

**Laboratory Data Report and
Chain of Custody Documentation – June 2006**

July 17, 2006

Amanda Spencer
Ash Creek Associates, Inc.
9615 SW Allen Blvd. Suite 106
Beaverton, OR 97005

RE: Duncan Development

Enclosed are the results of analyses for samples received by the laboratory on 06/30/06 16:25.
The following list is a summary of the Work Orders contained in this report, generated on 07/17/06
17:33.

If you have any questions concerning this report, please feel free to contact me.

<u>Work Order</u>	<u>Project</u>	<u>ProjectNumber</u>
PPF1318	Duncan Development	1141-00

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Darrell Auvil, Project Manager



Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name:	Duncan Development	Report Created: 07/17/06 17:33
	Project Number:	1141-00	
	Project Manager:	Amanda Spencer	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-1-20	PPF1318-01	Water	06/29/06 12:00	06/30/06 16:25
B-2-15	PPF1318-02	Water	06/29/06 12:00	06/30/06 16:25
B-3-15	PPF1318-03	Water	06/29/06 12:00	06/30/06 16:25
B-4-15	PPF1318-04	Water	06/29/06 12:00	06/30/06 16:25

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Darrell Auvil, Project Manager



Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: Duncan Development Project Number: 1141-00 Project Manager: Amanda Spencer	Report Created: 07/17/06 17:33
---	---	-----------------------------------

Dissolved Metals per EPA 6000/7000 Series Methods
TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPF1318-01 (B-1-20)	Water			Sampled: 06/29/06 12:00						
Arsenic	EPA 6020	0.00112	----	0.00100	mg/l	1x	6070127	07/05/06 16:02	07/10/06 15:50	
Lead	"	ND	----	0.00100	"	"	"	"	"	
PPF1318-02 (B-2-15)	Water			Sampled: 06/29/06 12:00						
Arsenic	EPA 6020	0.00220	----	0.00100	mg/l	1x	6070127	07/05/06 16:02	07/10/06 16:35	
Lead	"	ND	----	0.00100	"	"	"	"	07/14/06 13:19	
PPF1318-03 (B-3-15)	Water			Sampled: 06/29/06 12:00						
Arsenic	EPA 6020	0.00134	----	0.00100	mg/l	1x	6070127	07/05/06 16:02	07/10/06 16:50	
Lead	"	ND	----	0.00100	"	"	"	"	07/14/06 13:34	
PPF1318-04 (B-4-15)	Water			Sampled: 06/29/06 12:00						
Arsenic	EPA 6020	0.00199	----	0.00100	mg/l	1x	6070127	07/05/06 16:02	07/10/06 16:58	
Lead	"	ND	----	0.00100	"	"	"	"	07/11/06 19:24	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darrell W. Auvil

Darrell Auvil, Project Manager



Ash Creek Associates, Inc. 9615 SW Allen Blvd. Suite 106 Beaverton, OR 97005	Project Name: Duncan Development Project Number: 1141-00 Project Manager: Amanda Spencer	Report Created: 07/17/06 17:33
---	---	-----------------------------------

Dissolved Metals per EPA 6000/7000 Series Methods - Laboratory Quality Control Results
TestAmerica - Portland, OR

QC Batch: 6070127 Water Preparation Method: EPA 200/3005

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6070127-BLK1)										Extracted: 07/05/06 16:02				
Arsenic	EPA 6020	ND	---	0.00100	mg/l	1x	--	--	--	--	--	--	07/10/06 15:20	
Lead	"	ND	---	0.00100	"	"	--	--	--	--	--	--	"	
LCS (6070127-BS1)										Extracted: 07/05/06 16:02				
Arsenic	EPA 6020	0.120	---	0.00111	mg/l	1x	--	0.111	108%	(80-120)	--	--	07/10/06 15:27	
Lead	"	0.114	---	0.00111	"	"	--	"	103%	"	--	--	"	
Duplicate (6070127-DUP1)				QC Source: PPF1318-02				Extracted: 07/05/06 16:02						
Arsenic	EPA 6020	0.00173	---	0.00100	mg/l	1x	0.00220	--	--	--	23.9% (20)	--	07/10/06 16:42	Q-06
Lead	"	ND	---	0.00100	"	"	ND	--	--	--	NR	"	07/14/06 13:27	
Matrix Spike (6070127-MS1)				QC Source: PPF1318-01				Extracted: 07/05/06 16:02						
Arsenic	EPA 6020	0.131	---	0.00111	mg/l	1x	0.00112	0.111	117%	(75-125)	--	--	07/10/06 16:27	
Lead	"	0.0997	---	0.00111	"	"	0.000238	"	89.6%	"	--	--	07/11/06 18:31	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darrell W. Auvil

Darrell Auvil, Project Manager



Ash Creek Associates, Inc.
9615 SW Allen Blvd. Suite 106
Beaverton, OR 97005

Project Name: **Duncan Development**
Project Number: 1141-00
Project Manager: Amanda Spencer

Report Created:
07/17/06 17:33


Notes and Definitions

Report Specific Notes:

Q-06 - RPD is not applicable for analyte concentrations less than 5 times the MRL.

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR/NA - Not Reported / Not Available
- dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
- wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
- RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and Limits - percent solids, where applicable.
- Electronic - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*. Signature - Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.



Darrell Auvil, Project Manager



CHAIN OF CUSTODY REPORT

Work Order #: **PPF1318**

CLIENT: Ash Creek Associates		INVOICE TO: Same		TURNAROUND REQUEST in Business Days * Organic & Inorganic Analyses <input checked="" type="checkbox"/> 7 <input type="checkbox"/> 5 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1 STD. Petroleum Hydrocarbon Analyses <input type="checkbox"/> 5 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1 STD. <input type="checkbox"/> OTHER Specify: _____ * Turnaround Requests less than standard may incur Rush Charges.								
REPORT TO: Amanda Spencer ADDRESS: 9615 SW Allen Blvd. Ste 106 Beaverton, OR 97005		P.O. NUMBER:										
PHONE: 503-924-4704 FAX: 503-924-4707		PROJECT NAME: Duncan Development		PRESERVATIVE REQUESTED ANALYSES								
PROJECT NUMBER: 1141-00		SAMPLED BY: KKB										
CLIENT SAMPLE IDENTIFICATION		SAMPLING DATE/TIME		EPA 6020 Arsenic		EPA 6020 Lead		MATRIX (W, S, O)		# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1 B-1-20		6/29/06		X X				W		1		
2 B-2-15		6/29/06		X X				W		1		
3 B-3-15		6/29/06		X X				W		1		
4 B-4-15		6/29/06		X X				W		1		
5												
6		*samples field filtered										
7												
8												
9												
10												
RELEASED BY: Kirsten Boris		DATE: 6/30/06		RECEIVED BY: Steph McKinley		DATE: 6/30						
PRINT NAME: Kirsten Boris		FIRM: Ash Creek		TIME: 16:25		PRINT NAME: JAP		FIRM: JAP				
RELEASED BY:		DATE:		RECEIVED BY:		DATE:						
PRINT NAME:		FIRM:		TIME:		PRINT NAME:		FIRM:				
ADDITIONAL REMARKS:											TEMP:	PAGE OF

TAT: _____

Non-Conformances?

Circle Y or N

(If Y, see other side)

TEST AMERICA SAMPLE RECEIPT CHECKLIST

Received By: (applies to temp at receipt) **Logged-in By:** **Unpacked/Labeled By:** **Cooler ID:** _____ (____ of ____)
 Date: 6/30 Date: 6/30 Date: 6/30 Work Order No. PRF1318
 Time: 10:25 Initials: GF Initials: SM Client: Ash Creek
 Initials: SM Project: _____

Container Type: Cooler Ship. Container Sign By _____
 Box On Bottles _____ Date _____
 None/Other _____ None

COC Seals: None

Packing Material
 Bubble Bags Styrofoam
 Foam Packs
 None/Other Other _____

Refrigerant:
 Gel Ice Pack _____ None
 Loose Ice _____
 None/Other _____

Received Via: ~~Bill#~~
 Fed Ex Client
 UPS NCA Courier
 DHL Mid Valley
 Senvoy TDP
 GS Other _____

Cooler Temperature (IR): 5.4 °C Plastic Glass (Frozen filters, Tedlars and aqueous Metals exempt)
(circle one)

Temperature Blank? _____ °C or NA Trip Blank? Y or N or NA

Sample Containers:

Intact?	<input checked="" type="radio"/> Y or <input type="radio"/> N	_____	Metals Preserved?	<input checked="" type="radio"/> Y or <input type="radio"/> N or <input type="radio"/> NA	_____
Provided by NCA?	<input type="radio"/> Y or <input type="radio"/> N	_____	Client QAPP Preserved?	<input type="radio"/> Y or <input type="radio"/> N or <input checked="" type="radio"/> NA	_____
Correct Type?	<input type="radio"/> Y or <input type="radio"/> N	_____	Adequate Volume? <small>(for tests requested)</small>	<input checked="" type="radio"/> Y or <input type="radio"/> N	_____
#Containers match COC?	<input type="radio"/> Y or <input type="radio"/> N	_____	Water VOAs: Headspace?	<input type="radio"/> Y or <input type="radio"/> N or <input checked="" type="radio"/> NA	_____
IDs/time/date match COC?	<input type="radio"/> Y or <input type="radio"/> N	_____	Comments:	_____	_____
Hold Times in hold?	<input type="radio"/> Y or <input type="radio"/> N	_____	_____	_____	_____

PROJECT MANAGEMENT

Is the Chain of Custody complete? Y or N If N, circle the items that were incomplete

Comments, Problems _____

Total access set up? Y or N
 Has client been contacted regarding non-conformances? Y or N If Y, _____/_____/_____
 Date Time

PM Initials: _____ Date: _____ Time: _____

Appendix H

**Laboratory Quality Assurance/Quality Control (QA/QC)
Data Review**

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

Tuesday, May 31, 2016

Chris Luk
Apex Companies, LLC
3015 SW First Avenue
Portland, OR 97201

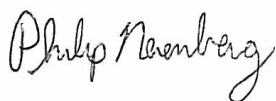
RE: White Hawk Additional Sampling / 2251-00

Enclosed are the results of analyses for work order A6E0575, which was received by the laboratory on 5/18/2016 at 11:00:00AM.

Thank you for using Apex Labs. We appreciate your business and strive to provide the highest quality services to the environmental industry.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: pnerenberg@apex-labs.com, or by phone at 503-718-2323.

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Philip Nerenberg For Darwin Thomas, Business Development Director

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 05/31/16 16:44

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-24 (0.5-1.0)	A6E0575-01	Soil	05/16/16 12:10	05/18/16 11:00
SS-25 (0.5-1.0)	A6E0575-02	Soil	05/16/16 12:30	05/18/16 11:00
SS-26 (0.5-1.0)	A6E0575-03	Soil	05/16/16 12:45	05/18/16 11:00
SS-27 (0.5-1.0)	A6E0575-04	Soil	05/16/16 12:55	05/18/16 11:00
SS-28 (0.5-1.0)	A6E0575-05	Soil	05/16/16 13:05	05/18/16 11:00
SS-29 (0.5-1.0)	A6E0575-06	Soil	05/16/16 14:10	05/18/16 11:00
SS-30 (0.5-1.0)	A6E0575-07	Soil	05/16/16 14:45	05/18/16 11:00
SS-31 (0.5-1.0)	A6E0575-08	Soil	05/16/16 14:50	05/18/16 11:00
SS-32 (0.5-1.0)	A6E0575-09	Soil	05/16/16 15:10	05/18/16 11:00
SS-33 (0.5-1.0)	A6E0575-10	Soil	05/16/16 15:20	05/18/16 11:00
SS-34 (0.5-1.0)	A6E0575-11	Soil	05/16/16 15:45	05/18/16 11:00
Comp (0.5)	A6E0575-34	Soil	05/17/16 10:00	05/18/16 11:00
Comp (2.5)	A6E0575-35	Soil	05/17/16 10:05	05/18/16 11:00

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 05/31/16 16:44

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	MDL	Reporting		Dilution	Date Analyzed	Method	Notes
			Limit	Units				
SS-24 (0.5-1.0) (A6E0575-01RE1)			Matrix: Soil		Batch: 6050642		C-05	
Aldrin	ND	---	1.83	ug/kg dry	1	05/25/16 15:28	EPA 8081B	
alpha-BHC	ND	---	1.83	"	"	"	"	
beta-BHC	ND	---	1.83	"	"	"	"	
delta-BHC	ND	---	1.83	"	"	"	"	
gamma-BHC (Lindane)	ND	---	1.83	"	"	"	"	
cis-Chlordane	ND	---	1.83	"	"	"	"	
trans-Chlordane	ND	---	1.83	"	"	"	"	
4,4'-DDD	ND	---	1.83	"	"	"	"	
4,4'-DDE	2.82	---	1.83	"	"	"	"	
4,4'-DDT	ND	---	1.83	"	"	"	"	
Dieldrin	ND	---	1.83	"	"	"	"	
Endosulfan I	ND	---	1.83	"	"	"	"	
Endosulfan II	ND	---	1.83	"	"	"	"	
Endosulfan sulfate	ND	---	1.83	"	"	"	"	
Endrin	ND	---	1.83	"	"	"	"	
Endrin Aldehyde	ND	---	1.83	"	"	"	"	
Endrin ketone	ND	---	1.83	"	"	"	"	
Heptachlor	ND	---	1.83	"	"	"	"	
Heptachlor epoxide	ND	---	1.83	"	"	"	"	
Methoxychlor	ND	---	5.50	"	"	"	"	
Chlordane (Technical)	ND	---	55.0	"	"	"	"	
Toxaphene (Total)	ND	---	55.0	"	"	"	"	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>			<i>Recovery: 71 %</i>	<i>Limits: 42-129 %</i>	"	"	"	
<i>Decachlorobiphenyl (Surr)</i>			<i>86 %</i>	<i>Limits: 65-151 %</i>	"	"	"	



Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 05/31/16 16:44

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	MDL	Reporting		Dilution	Date Analyzed	Method	Notes
			Limit	Units				
SS-25 (0.5-1.0) (A6E0575-02RE1)			Matrix: Soil		Batch: 6050642		C-05	
Aldrin	ND	---	1.92	ug/kg dry	1	05/25/16 15:45	EPA 8081B	
alpha-BHC	ND	---	1.92	"	"	"	"	
beta-BHC	ND	---	1.92	"	"	"	"	
delta-BHC	ND	---	1.92	"	"	"	"	
gamma-BHC (Lindane)	ND	---	1.92	"	"	"	"	
cis-Chlordane	ND	---	1.92	"	"	"	"	
trans-Chlordane	ND	---	1.92	"	"	"	"	
4,4'-DDD	ND	---	4.41	"	"	"	"	R-02
4,4'-DDE	91.8	---	1.92	"	"	"	"	
4,4'-DDT	65.0	---	1.92	"	"	"	"	
Dieldrin	23.3	---	1.92	"	"	"	"	
Endosulfan I	ND	---	1.92	"	"	"	"	
Endosulfan II	ND	---	1.92	"	"	"	"	
Endosulfan sulfate	ND	---	1.92	"	"	"	"	
Endrin	ND	---	1.92	"	"	"	"	
Endrin Aldehyde	ND	---	1.92	"	"	"	"	
Endrin ketone	ND	---	7.86	"	"	"	"	R-02
Heptachlor	ND	---	1.92	"	"	"	"	
Heptachlor epoxide	ND	---	1.92	"	"	"	"	
Methoxychlor	ND	---	5.75	"	"	"	"	
Chlordane (Technical)	ND	---	57.5	"	"	"	"	
Toxaphene (Total)	ND	---	57.5	"	"	"	"	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>			<i>Recovery: 73 %</i>	<i>Limits: 42-129 %</i>	"	"	"	
<i>Decachlorobiphenyl (Surr)</i>			<i>89 %</i>	<i>Limits: 65-151 %</i>	"	"	"	

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 05/31/16 16:44

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	MDL	Reporting		Dilution	Date Analyzed	Method	Notes
			Limit	Units				
SS-26 (0.5-1.0) (A6E0575-03RE1)			Matrix: Soil		Batch: 6050642		C-05	
Aldrin	ND	---	1.83	ug/kg dry	1	05/25/16 16:03	EPA 8081B	
alpha-BHC	ND	---	1.83	"	"	"	"	
beta-BHC	ND	---	1.83	"	"	"	"	
delta-BHC	ND	---	1.83	"	"	"	"	
gamma-BHC (Lindane)	ND	---	1.83	"	"	"	"	
cis-Chlordane	ND	---	1.83	"	"	"	"	
trans-Chlordane	ND	---	1.83	"	"	"	"	
4,4'-DDD	ND	---	1.83	"	"	"	"	
4,4'-DDE	15.9	---	1.83	"	"	"	"	
4,4'-DDT	10.1	---	1.83	"	"	"	"	
Dieldrin	2.64	---	1.83	"	"	"	"	
Endosulfan I	ND	---	1.83	"	"	"	"	
Endosulfan II	ND	---	1.83	"	"	"	"	
Endosulfan sulfate	ND	---	1.83	"	"	"	"	
Endrin	ND	---	1.83	"	"	"	"	
Endrin Aldehyde	ND	---	1.83	"	"	"	"	
Endrin ketone	ND	---	1.83	"	"	"	"	
Heptachlor	ND	---	1.83	"	"	"	"	
Heptachlor epoxide	ND	---	1.83	"	"	"	"	
Methoxychlor	ND	---	5.48	"	"	"	"	
Chlordane (Technical)	ND	---	54.8	"	"	"	"	
Toxaphene (Total)	ND	---	54.8	"	"	"	"	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>			<i>Recovery: 61 %</i>	<i>Limits: 42-129 %</i>	"	"	"	
<i>Decachlorobiphenyl (Surr)</i>			<i>75 %</i>	<i>Limits: 65-151 %</i>	"	"	"	



Apex Companies, LLC
3015 SW First Avenue
Portland, OR 97201

Project: **White Hawk Additional Sampling**
Project Number: 2251-00
Project Manager: Chris Luk

Reported:
05/31/16 16:44

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	MDL	Reporting		Dilution	Date Analyzed	Method	Notes
			Limit	Units				
SS-27 (0.5-1.0) (A6E0575-04RE1)			Matrix: Soil		Batch: 6050642			C-05
Aldrin	ND	---	1.95	ug/kg dry	1	05/25/16 16:20	EPA 8081B	
alpha-BHC	ND	---	1.95	"	"	"	"	
beta-BHC	ND	---	1.95	"	"	"	"	
delta-BHC	ND	---	1.95	"	"	"	"	
gamma-BHC (Lindane)	ND	---	1.95	"	"	"	"	
cis-Chlordane	ND	---	1.95	"	"	"	"	
trans-Chlordane	ND	---	1.95	"	"	"	"	
4,4'-DDD	ND	---	1.95	"	"	"	"	
4,4'-DDE	14.4	---	1.95	"	"	"	"	
4,4'-DDT	19.4	---	1.95	"	"	"	"	
Dieldrin	ND	---	1.95	"	"	"	"	
Endosulfan I	ND	---	1.95	"	"	"	"	
Endosulfan II	5.62	---	1.95	"	"	"	"	
Endosulfan sulfate	30.5	---	1.95	"	"	"	"	
Endrin	ND	---	1.95	"	"	"	"	
Endrin Aldehyde	ND	---	1.95	"	"	"	"	
Endrin ketone	ND	---	1.95	"	"	"	"	
Heptachlor	ND	---	1.95	"	"	"	"	
Heptachlor epoxide	ND	---	1.95	"	"	"	"	
Methoxychlor	ND	---	5.84	"	"	"	"	
Chlordane (Technical)	ND	---	58.4	"	"	"	"	
Toxaphene (Total)	ND	---	58.4	"	"	"	"	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>			<i>Recovery: 65 %</i>	<i>Limits: 42-129 %</i>	"	"	"	
<i>Decachlorobiphenyl (Surr)</i>			<i>86 %</i>	<i>Limits: 65-151 %</i>	"	"	"	

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 05/31/16 16:44

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	MDL	Reporting		Dilution	Date Analyzed	Method	Notes
			Limit	Units				
SS-28 (0.5-1.0) (A6E0575-05RE1)			Matrix: Soil		Batch: 6050642		C-05	
Aldrin	ND	---	1.83	ug/kg dry	1	05/25/16 16:37	EPA 8081B	
alpha-BHC	ND	---	1.83	"	"	"	"	
beta-BHC	ND	---	1.83	"	"	"	"	
delta-BHC	ND	---	1.83	"	"	"	"	
gamma-BHC (Lindane)	ND	---	1.83	"	"	"	"	
cis-Chlordane	ND	---	1.83	"	"	"	"	
trans-Chlordane	ND	---	1.83	"	"	"	"	
4,4'-DDD	ND	---	1.83	"	"	"	"	
4,4'-DDE	ND	---	1.83	"	"	"	"	
4,4'-DDT	ND	---	1.83	"	"	"	"	
Dieldrin	ND	---	1.83	"	"	"	"	
Endosulfan I	ND	---	1.83	"	"	"	"	
Endosulfan II	ND	---	1.83	"	"	"	"	
Endosulfan sulfate	ND	---	1.83	"	"	"	"	
Endrin	ND	---	1.83	"	"	"	"	
Endrin Aldehyde	ND	---	1.83	"	"	"	"	
Endrin ketone	ND	---	1.83	"	"	"	"	
Heptachlor	ND	---	1.83	"	"	"	"	
Heptachlor epoxide	ND	---	1.83	"	"	"	"	
Methoxychlor	ND	---	5.49	"	"	"	"	
Chlordane (Technical)	ND	---	54.9	"	"	"	"	
Toxaphene (Total)	ND	---	54.9	"	"	"	"	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>			<i>Recovery: 58 %</i>	<i>Limits: 42-129 %</i>	"	"	"	
<i>Decachlorobiphenyl (Surr)</i>			<i>78 %</i>	<i>Limits: 65-151 %</i>	"	"	"	

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 05/31/16 16:44

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	MDL	Reporting		Dilution	Date Analyzed	Method	Notes
			Limit	Units				
SS-29 (0.5-1.0) (A6E0575-06RE1)			Matrix: Soil	Batch: 6050642				C-05
Aldrin	ND	---	2.13	ug/kg dry	1	05/25/16 16:55	EPA 8081B	
alpha-BHC	ND	---	2.13	"	"	"	"	
beta-BHC	ND	---	2.13	"	"	"	"	
delta-BHC	ND	---	2.13	"	"	"	"	
gamma-BHC (Lindane)	ND	---	2.13	"	"	"	"	
cis-Chlordane	ND	---	2.13	"	"	"	"	
trans-Chlordane	ND	---	2.13	"	"	"	"	
4,4'-DDD	ND	---	2.13	"	"	"	"	
4,4'-DDE	18.5	---	2.13	"	"	"	"	
4,4'-DDT	19.1	---	2.13	"	"	"	"	
Dieldrin	ND	---	2.13	"	"	"	"	
Endosulfan I	ND	---	2.13	"	"	"	"	
Endosulfan II	ND	---	2.13	"	"	"	"	
Endosulfan sulfate	ND	---	2.13	"	"	"	"	
Endrin	ND	---	2.13	"	"	"	"	
Endrin Aldehyde	ND	---	2.13	"	"	"	"	
Endrin ketone	ND	---	2.13	"	"	"	"	
Heptachlor	ND	---	2.13	"	"	"	"	
Heptachlor epoxide	ND	---	2.13	"	"	"	"	
Methoxychlor	ND	---	6.40	"	"	"	"	
Chlordane (Technical)	ND	---	64.0	"	"	"	"	
Toxaphene (Total)	ND	---	64.0	"	"	"	"	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>			<i>Recovery: 79 %</i>	<i>Limits: 42-129 %</i>	"	"	"	
<i>Decachlorobiphenyl (Surr)</i>			<i>81 %</i>	<i>Limits: 65-151 %</i>	"	"	"	

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 05/31/16 16:44

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	MDL	Reporting		Dilution	Date Analyzed	Method	Notes
			Limit	Units				
SS-30 (0.5-1.0) (A6E0575-07RE1)			Matrix: Soil		Batch: 6050642		C-05	
Aldrin	ND	---	2.11	ug/kg dry	1	05/25/16 17:12	EPA 8081B	
alpha-BHC	ND	---	2.11	"	"	"	"	
beta-BHC	ND	---	2.11	"	"	"	"	
delta-BHC	ND	---	2.11	"	"	"	"	
gamma-BHC (Lindane)	ND	---	2.11	"	"	"	"	
cis-Chlordane	ND	---	2.11	"	"	"	"	
trans-Chlordane	ND	---	2.11	"	"	"	"	
4,4'-DDD	4.40	---	2.11	"	"	"	"	
4,4'-DDE	159	---	2.11	"	"	"	"	
4,4'-DDT	154	---	2.11	"	"	"	"	
Dieldrin	25.6	---	2.11	"	"	"	"	
Endosulfan I	ND	---	2.11	"	"	"	"	
Endosulfan II	ND	---	2.11	"	"	"	"	
Endosulfan sulfate	2.43	---	2.11	"	"	"	"	
Endrin	ND	---	2.11	"	"	"	"	
Endrin Aldehyde	ND	---	2.11	"	"	"	"	
Endrin ketone	ND	---	2.11	"	"	"	"	
Heptachlor	ND	---	2.11	"	"	"	"	
Heptachlor epoxide	ND	---	2.11	"	"	"	"	
Methoxychlor	ND	---	63.4	"	"	"	"	
Chlordane (Technical)	ND	---	63.4	"	"	"	"	
Toxaphene (Total)	ND	---	63.4	"	"	"	"	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>			<i>Recovery: 52 %</i>	<i>Limits: 42-129 %</i>	"	"	"	
<i>Decachlorobiphenyl (Surr)</i>			<i>82 %</i>	<i>Limits: 65-151 %</i>	"	"	"	

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Companies, LLC
3015 SW First Avenue
Portland, OR 97201

Project: **White Hawk Additional Sampling**
Project Number: 2251-00
Project Manager: Chris Luk


Reported:
05/31/16 16:44

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	MDL	Reporting		Dilution	Date Analyzed	Method	Notes
			Limit	Units				
Comp (0.5) (A6E0575-34RE1)			Matrix: Soil		Batch: 6050642			C-05
Aldrin	ND	---	2.01	ug/kg dry	1	05/25/16 17:29	EPA 8081B	
alpha-BHC	ND	---	2.01	"	"	"	"	
beta-BHC	ND	---	2.01	"	"	"	"	
delta-BHC	ND	---	2.01	"	"	"	"	
gamma-BHC (Lindane)	ND	---	2.01	"	"	"	"	
cis-Chlordane	ND	---	2.01	"	"	"	"	
trans-Chlordane	ND	---	2.01	"	"	"	"	
4,4'-DDD	ND	---	2.01	"	"	"	"	
4,4'-DDE	52.2	---	2.01	"	"	"	"	
4,4'-DDT	29.7	---	2.01	"	"	"	"	
Dieldrin	ND	---	2.01	"	"	"	"	
Endosulfan I	ND	---	2.01	"	"	"	"	
Endosulfan II	ND	---	2.01	"	"	"	"	
Endosulfan sulfate	ND	---	2.01	"	"	"	"	
Endrin	ND	---	2.01	"	"	"	"	
Endrin Aldehyde	ND	---	2.01	"	"	"	"	
Endrin ketone	ND	---	2.01	"	"	"	"	
Heptachlor	ND	---	2.01	"	"	"	"	
Heptachlor epoxide	ND	---	2.01	"	"	"	"	
Methoxychlor	ND	---	6.02	"	"	"	"	
Chlordane (Technical)	ND	---	60.2	"	"	"	"	
Toxaphene (Total)	ND	---	60.2	"	"	"	"	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>			<i>Recovery: 69 %</i>	<i>Limits: 42-129 %</i>	"	"	"	
<i>Decachlorobiphenyl (Surr)</i>			<i>83 %</i>	<i>Limits: 65-151 %</i>	"	"	"	

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 05/31/16 16:44

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
SS-24 (0.5-1.0) (A6E0575-01)			Matrix: Soil					
Batch: 6050663								
Arsenic	1.07	---	1.06	mg/kg dry	10	05/26/16 22:23	EPA 6020A	
SS-25 (0.5-1.0) (A6E0575-02)			Matrix: Soil					
Batch: 6050663								
Arsenic	8.82	---	1.09	mg/kg dry	10	05/26/16 22:26	EPA 6020A	
SS-26 (0.5-1.0) (A6E0575-03)			Matrix: Soil					
Batch: 6050663								
Arsenic	3.99	---	1.06	mg/kg dry	10	05/26/16 22:38	EPA 6020A	
SS-27 (0.5-1.0) (A6E0575-04)			Matrix: Soil					
Batch: 6050663								
Arsenic	3.97	---	1.25	mg/kg dry	10	05/26/16 22:41	EPA 6020A	
SS-28 (0.5-1.0) (A6E0575-05)			Matrix: Soil					
Batch: 6050663								
Arsenic	2.63	---	1.09	mg/kg dry	10	05/26/16 22:44	EPA 6020A	
SS-29 (0.5-1.0) (A6E0575-06)			Matrix: Soil					
Batch: 6050663								
Arsenic	15.6	---	1.16	mg/kg dry	10	05/26/16 22:47	EPA 6020A	
SS-30 (0.5-1.0) (A6E0575-07)			Matrix: Soil					
Batch: 6050663								
Arsenic	16.4	---	1.20	mg/kg dry	10	05/26/16 22:50	EPA 6020A	
SS-31 (0.5-1.0) (A6E0575-08)			Matrix: Soil					
Batch: 6050663								
Arsenic	25.9	---	1.20	mg/kg dry	10	05/26/16 22:53	EPA 6020A	
SS-32 (0.5-1.0) (A6E0575-09)			Matrix: Soil					
Batch: 6050663								
Arsenic	68.3	---	1.24	mg/kg dry	10	05/26/16 22:55	EPA 6020A	
SS-33 (0.5-1.0) (A6E0575-10)			Matrix: Soil					
Batch: 6050663								
Arsenic	76.6	---	1.12	mg/kg dry	10	05/26/16 22:58	EPA 6020A	
SS-34 (0.5-1.0) (A6E0575-11)			Matrix: Soil					
Batch: 6050663								
Arsenic	52.1	---	1.11	mg/kg dry	10	05/26/16 23:01	EPA 6020A	
Comp (0.5) (A6E0575-34)			Matrix: Soil					

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 05/31/16 16:44

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
Comp (0.5) (A6E0575-34)			Matrix: Soil					
Batch: 6050663								
Arsenic	11.7	---	1.09	mg/kg dry	10	05/26/16 23:04	EPA 6020A	
Comp (2.5) (A6E0575-35)			Matrix: Soil					
Batch: 6050663								
Arsenic	11.5	---	1.14	mg/kg dry	10	05/26/16 23:16	EPA 6020A	

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 05/31/16 16:44

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight								
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
SS-24 (0.5-1.0) (A6E0575-01)			Matrix: Soil	Batch: 6050630				
% Solids	97.7	---	1.00	% by Weight	1	05/24/16 08:04	EPA 8000C	
SS-25 (0.5-1.0) (A6E0575-02)			Matrix: Soil	Batch: 6050630				
% Solids	88.6	---	1.00	% by Weight	1	05/24/16 08:04	EPA 8000C	
SS-26 (0.5-1.0) (A6E0575-03)			Matrix: Soil	Batch: 6050630				
% Solids	94.2	---	1.00	% by Weight	1	05/24/16 08:04	EPA 8000C	
SS-27 (0.5-1.0) (A6E0575-04)			Matrix: Soil	Batch: 6050630				
% Solids	88.0	---	1.00	% by Weight	1	05/24/16 08:04	EPA 8000C	
SS-28 (0.5-1.0) (A6E0575-05)			Matrix: Soil	Batch: 6050630				
% Solids	93.1	---	1.00	% by Weight	1	05/24/16 08:04	EPA 8000C	
SS-29 (0.5-1.0) (A6E0575-06)			Matrix: Soil	Batch: 6050630				
% Solids	83.1	---	1.00	% by Weight	1	05/24/16 08:04	EPA 8000C	
SS-30 (0.5-1.0) (A6E0575-07)			Matrix: Soil	Batch: 6050630				
% Solids	82.8	---	1.00	% by Weight	1	05/24/16 08:04	EPA 8000C	
SS-31 (0.5-1.0) (A6E0575-08)			Matrix: Soil	Batch: 6050630				
% Solids	85.9	---	1.00	% by Weight	1	05/24/16 08:04	EPA 8000C	
SS-32 (0.5-1.0) (A6E0575-09)			Matrix: Soil	Batch: 6050630				
% Solids	88.0	---	1.00	% by Weight	1	05/24/16 08:04	EPA 8000C	
SS-33 (0.5-1.0) (A6E0575-10)			Matrix: Soil	Batch: 6050630				
% Solids	89.9	---	1.00	% by Weight	1	05/24/16 08:04	EPA 8000C	
SS-34 (0.5-1.0) (A6E0575-11)			Matrix: Soil	Batch: 6050630				
% Solids	87.0	---	1.00	% by Weight	1	05/24/16 08:04	EPA 8000C	
Comp (0.5) (A6E0575-34)			Matrix: Soil	Batch: 6050630				
% Solids	88.0	---	1.00	% by Weight	1	05/24/16 08:04	EPA 8000C	
Comp (2.5) (A6E0575-35)			Matrix: Soil	Batch: 6050630				
% Solids	84.9	---	1.00	% by Weight	1	05/24/16 08:04	EPA 8000C	

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 05/31/16 16:44

QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6050642 - EPA 3546/3640A (GPC)						Soil						
Blank (6050642-BLK1)						Prepared: 05/23/16 07:07 Analyzed: 05/25/16 09:42						C-05
EPA 8081B												
Aldrin	ND	---	1.67	ug/kg wet	1	---	---	---	---	---	---	
alpha-BHC	ND	---	1.67	"	"	---	---	---	---	---	---	
beta-BHC	ND	---	1.67	"	"	---	---	---	---	---	---	
delta-BHC	ND	---	1.67	"	"	---	---	---	---	---	---	
gamma-BHC (Lindane)	ND	---	1.67	"	"	---	---	---	---	---	---	
cis-Chlordane	ND	---	1.67	"	"	---	---	---	---	---	---	
trans-Chlordane	ND	---	1.67	"	"	---	---	---	---	---	---	
4,4'-DDD	ND	---	1.67	"	"	---	---	---	---	---	---	
4,4'-DDE	ND	---	1.67	"	"	---	---	---	---	---	---	
4,4'-DDT	ND	---	1.67	"	"	---	---	---	---	---	---	
Dieldrin	ND	---	1.67	"	"	---	---	---	---	---	---	
Endosulfan I	ND	---	1.67	"	"	---	---	---	---	---	---	
Endosulfan II	ND	---	1.67	"	"	---	---	---	---	---	---	
Endosulfan sulfate	ND	---	1.67	"	"	---	---	---	---	---	---	
Endrin	ND	---	1.67	"	"	---	---	---	---	---	---	
Endrin Aldehyde	ND	---	1.67	"	"	---	---	---	---	---	---	
Endrin ketone	ND	---	1.67	"	"	---	---	---	---	---	---	
Heptachlor	ND	---	1.67	"	"	---	---	---	---	---	---	
Heptachlor epoxide	ND	---	1.67	"	"	---	---	---	---	---	---	
Methoxychlor	ND	---	5.00	"	"	---	---	---	---	---	---	
Chlordane (Technical)	ND	---	50.0	"	"	---	---	---	---	---	---	
Toxaphene (Total)	ND	---	50.0	"	"	---	---	---	---	---	---	

Surr: 2,4,5,6-TCMX (Surr) Recovery: 63 % Limits: 42-129 % Dilution: 1x
 Decachlorobiphenyl (Surr) 77 % 65-151 % "

LCS (6050642-BS1)						Prepared: 05/23/16 07:07 Analyzed: 05/25/16 09:59						C-05
EPA 8081B												
Aldrin	30.1	---	2.00	ug/kg wet	1	50.0	---	60	45-136%	---	---	
alpha-BHC	31.4	---	2.00	"	"	"	---	63	45-137%	---	---	
beta-BHC	35.3	---	2.00	"	"	"	---	71	50-136%	---	---	
delta-BHC	35.1	---	2.00	"	"	"	---	70	47-139%	---	---	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 05/31/16 16:44

QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6050642 - EPA 3546/3640A (GPC)						Soil						
LCS (6050642-BS1)						Prepared: 05/23/16 07:07 Analyzed: 05/25/16 09:59						C-05
gamma-BHC (Lindane)	32.3	---	2.00	"	"	"	---	65	49-135%	---	---	
cis-Chlordane	33.0	---	2.00	"	"	"	---	66	54-133%	---	---	
trans-Chlordane	33.6	---	2.00	"	"	"	---	67	53-135%	---	---	
4,4'-DDD	41.0	---	2.00	"	"	"	---	82	56-139%	---	---	
4,4'-DDE	37.4	---	2.00	"	"	"	---	75	56-134%	---	---	
4,4'-DDT	44.3	---	2.00	"	"	"	---	89	50-141%	---	---	
Dieldrin	39.2	---	2.00	"	"	"	---	78	56-136%	---	---	
Endosulfan I	35.2	---	2.00	"	"	"	---	70	52-132%	---	---	
Endosulfan II	39.3	---	2.00	"	"	"	---	79	53-134%	---	---	
Endosulfan sulfate	40.3	---	2.00	"	"	"	---	81	55-136%	---	---	
Endrin	39.6	---	2.00	"	"	"	---	79	56-140%	---	---	
Endrin Aldehyde	40.6	---	2.00	"	"	"	---	81	35-137%	---	---	
Endrin ketone	46.6	---	2.00	"	"	"	---	93	55-136%	---	---	
Heptachlor	30.5	---	2.00	"	"	"	---	61	47-136%	---	---	
Heptachlor epoxide	33.7	---	2.00	"	"	"	---	67	52-136%	---	---	
Methoxychlor	46.2	---	6.00	"	"	"	---	92	52-143%	---	---	
Surr: 2,4,5,6-TCMX (Surr)		Recovery: 64 %		Limits: 42-129 %		Dilution: 1x						
Decachlorobiphenyl (Surr)		80 %		65-151 %		"						



Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk


Reported:
 05/31/16 16:44

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6050663 - EPA 3051A						Soil						
Blank (6050663-BLK1)						Prepared: 05/24/16 10:50 Analyzed: 05/26/16 22:00						
EPA 6020A												
Arsenic	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	---
LCS (6050663-BS1)						Prepared: 05/24/16 10:50 Analyzed: 05/26/16 22:03						
EPA 6020A												
Arsenic	48.8	---	1.00	mg/kg wet	10	50.0	---	98	80-120%	---	---	---

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk


Reported:
 05/31/16 16:44

QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6050630 - Total Solids (Dry Weight)						Soil						
Duplicate (6050630-DUP1)						Prepared: 05/23/16 10:36 Analyzed: 05/24/16 08:04						
QC Source Sample: SS-29 (0.5-1.0) (A6E0575-06)												
EPA 8000C												
% Solids	83.0	---	1.00	% by Weight	1	---	83.1	---	---	0.1	10%	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.



Apex Companies, LLC
3015 SW First Avenue
Portland, OR 97201

Project: **White Hawk Additional Sampling**
Project Number: 2251-00
Project Manager: Chris Luk

Reported:
05/31/16 16:44

SAMPLE PREPARATION INFORMATION

Organochlorine Pesticides by EPA 8081B

Prep: EPA 3546/3640A (GPC)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 6050642							
A6E0575-01RE1	Soil	EPA 8081B	05/16/16 12:10	05/23/16 07:07	11.16g/10mL	10g/5mL	1.79
A6E0575-02RE1	Soil	EPA 8081B	05/16/16 12:30	05/23/16 07:07	11.77g/10mL	10g/5mL	1.70
A6E0575-03RE1	Soil	EPA 8081B	05/16/16 12:45	05/23/16 07:07	11.63g/10mL	10g/5mL	1.72
A6E0575-04RE1	Soil	EPA 8081B	05/16/16 12:55	05/23/16 07:07	11.67g/10mL	10g/5mL	1.71
A6E0575-05RE1	Soil	EPA 8081B	05/16/16 13:05	05/23/16 07:07	11.74g/10mL	10g/5mL	1.70
A6E0575-06RE1	Soil	EPA 8081B	05/16/16 14:10	05/23/16 07:07	11.28g/10mL	10g/5mL	1.77
A6E0575-07RE1	Soil	EPA 8081B	05/16/16 14:45	05/23/16 07:07	11.43g/10mL	10g/5mL	1.75
A6E0575-34RE1	Soil	EPA 8081B	05/17/16 10:00	05/23/16 07:07	11.34g/10mL	10g/5mL	1.76

Total Metals by EPA 6020 (ICPMS)

Prep: EPA 3051A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 6050663							
A6E0575-01	Soil	EPA 6020A	05/16/16 12:10	05/24/16 10:50	0.485g/50mL	0.5g/50mL	1.03
A6E0575-02	Soil	EPA 6020A	05/16/16 12:30	05/24/16 10:50	0.518g/50mL	0.5g/50mL	0.97
A6E0575-03	Soil	EPA 6020A	05/16/16 12:45	05/24/16 10:50	0.501g/50mL	0.5g/50mL	1.00
A6E0575-04	Soil	EPA 6020A	05/16/16 12:55	05/24/16 10:50	0.454g/50mL	0.5g/50mL	1.10
A6E0575-05	Soil	EPA 6020A	05/16/16 13:05	05/24/16 10:50	0.493g/50mL	0.5g/50mL	1.01
A6E0575-06	Soil	EPA 6020A	05/16/16 14:10	05/24/16 10:50	0.519g/50mL	0.5g/50mL	0.96
A6E0575-07	Soil	EPA 6020A	05/16/16 14:45	05/24/16 10:50	0.502g/50mL	0.5g/50mL	1.00
A6E0575-08	Soil	EPA 6020A	05/16/16 14:50	05/24/16 10:50	0.484g/50mL	0.5g/50mL	1.03
A6E0575-09	Soil	EPA 6020A	05/16/16 15:10	05/24/16 10:50	0.459g/50mL	0.5g/50mL	1.09
A6E0575-10	Soil	EPA 6020A	05/16/16 15:20	05/24/16 10:50	0.498g/50mL	0.5g/50mL	1.00
A6E0575-11	Soil	EPA 6020A	05/16/16 15:45	05/24/16 10:50	0.517g/50mL	0.5g/50mL	0.97
A6E0575-34	Soil	EPA 6020A	05/17/16 10:00	05/24/16 10:50	0.52g/50mL	0.5g/50mL	0.96
A6E0575-35	Soil	EPA 6020A	05/17/16 10:05	05/24/16 10:50	0.515g/50mL	0.5g/50mL	0.97

Percent Dry Weight

Prep: Total Solids (Dry Weight)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 6050630							
A6E0575-01	Soil	EPA 8000C	05/16/16 12:10	05/23/16 10:36	1N/A/1N/A	1N/A/1N/A	NA
A6E0575-02	Soil	EPA 8000C	05/16/16 12:30	05/23/16 10:36	1N/A/1N/A	1N/A/1N/A	NA

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**

Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 05/31/16 16:44

SAMPLE PREPARATION INFORMATION

Percent Dry Weight

Prep: Total Solids (Dry Weight)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A6E0575-03	Soil	EPA 8000C	05/16/16 12:45	05/23/16 10:36	1N/A/1N/A	1N/A/1N/A	NA
A6E0575-04	Soil	EPA 8000C	05/16/16 12:55	05/23/16 10:36	1N/A/1N/A	1N/A/1N/A	NA
A6E0575-05	Soil	EPA 8000C	05/16/16 13:05	05/23/16 10:36	1N/A/1N/A	1N/A/1N/A	NA
A6E0575-06	Soil	EPA 8000C	05/16/16 14:10	05/23/16 10:36	1N/A/1N/A	1N/A/1N/A	NA
A6E0575-07	Soil	EPA 8000C	05/16/16 14:45	05/23/16 10:36	1N/A/1N/A	1N/A/1N/A	NA
A6E0575-08	Soil	EPA 8000C	05/16/16 14:50	05/23/16 10:36	1N/A/1N/A	1N/A/1N/A	NA
A6E0575-09	Soil	EPA 8000C	05/16/16 15:10	05/23/16 10:36	1N/A/1N/A	1N/A/1N/A	NA
A6E0575-10	Soil	EPA 8000C	05/16/16 15:20	05/23/16 10:36	1N/A/1N/A	1N/A/1N/A	NA
A6E0575-11	Soil	EPA 8000C	05/16/16 15:45	05/23/16 10:36	1N/A/1N/A	1N/A/1N/A	NA
A6E0575-34	Soil	EPA 8000C	05/17/16 10:00	05/23/16 10:36	1N/A/1N/A	1N/A/1N/A	NA
A6E0575-35	Soil	EPA 8000C	05/17/16 10:05	05/23/16 10:36	1N/A/1N/A	1N/A/1N/A	NA

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Companies, LLC
3015 SW First Avenue
Portland, OR 97201

Project: **White Hawk Additional Sampling**
Project Number: 2251-00
Project Manager: Chris Luk

Reported:
05/31/16 16:44

Notes and Definitions

Qualifiers:

- C-05 Extract has undergone a GPC (Gel-Permeation Chromatography) cleanup per EPA 3640A. Reporting levels may be raised due to dilution necessary for cleanup. Sample Final Volume includes the GPC dilution factor, see the Prep page for details.
- R-02 The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.

Notes and Conventions:

- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis. Results listed as 'wet' or without 'dry' designation are not dry weight corrected.
- RPD Relative Percent Difference
- MDL If MDL is not listed, data has been evaluated to the Method Reporting Limit only.
- WMSC Water Miscible Solvent Correction has been applied to Results and MRLs for volatiles soil samples per EPA 8000C.
- Batch QC Unless specifically requested, this report contains only results for Batch QC derived from client samples included in this report. All analyses were performed with the appropriate Batch QC (including Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates) in order to meet or exceed method and regulatory requirements. Any exceptions to this will be qualified in this report. Complete Batch QC results are available upon request. In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) is analyzed to demonstrate accuracy and precision of the extraction and analysis.
- Blank Policy Apex assesses blank data for potential high bias down to a level equal to 1/2 the method reporting limit (MRL), except for conventional chemistry and HCID analyses which are assessed only to the MRL. Sample results flagged with a B or B-02 qualifier are potentially biased high if they are less than ten times the level found in the blank for inorganic analyses or less than five times the level found in the blank for organic analyses.
- For accurate comparison of volatile results to the level found in the blank; water sample results should be divided by the dilution factor, and soil sample results should be divided by 1/50 of the sample dilution to account for the sample prep factor.
- Results qualified as reported below the MRL may include a potential high bias if associated with a B or B-02 qualified blank. B and B-02 qualifications are not applied to J qualified results reported below the MRL.
- QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.
- *** Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 05/31/16 16:44

AGEOS 75

CHAIN OF CUSTODY RECORD
 Client Name: Apex
 Address: 3015 SW First Ave
 City/State/Zip: Portland, OR 97201



Project Manager: **Chris Luk**
 Project Name: White Hawk Additional Sampling
 Project Number: **2251-00**
 Sampler Name: C. Luk
 Analytical Lab: Apex Labs
 Report To: **cluk@apexcos.com**
 Page: 1 of 4

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Composite	Field Filtered	Ice	HNO ₃ (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H ₂ SO ₄ Plastic (Yellow Label)	H ₂ SO ₄ Glass (Yellow Label)	None (Black Label)	Other (Specify)	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (Specify)	Asbestos (EPA 6020)	Pesticides (EPA 8081A)	Laboratory Comments:			
																						Temperature Upon Receipt?	VOCs Free of Headspace?		
SS-24 (0.5-1.0)	5/16/16	1210	1	X																			X		
SS-25 (0.5-1.0)	5/16/16	1230	1	X																				X	
SS-26 (0.5-1.0)	5/16/16	1245	1	X																				X	
SS-27 (0.5-1.0)	5/16/16	1255	1	X																				X	
SS-28 (0.5-1.0)	5/16/16	1305	1	X																				X	
SS-29 (0.5-1.0)	5/16/16	1410	1	X																				X	
SS-30 (0.5-1.0)	5/16/16	1445	1	X																				X	
SS-31 (0.5-1.0)	5/16/16	1450	1	X																				X	
SS-32 (0.5-1.0)	5/16/16	1510	1	X																				X	
SS-33 (0.5-1.0)	5/16/16	1520	1	X																				X	

Philip Nerenberg

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**

Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 05/31/16 16:44

A0E0575

CHAIN OF CUSTODY RECORD

Client Name: Apex
 Address: 3015 SW First Ave
 City/State/Zip: Portland, OR 97201

Telephone Number: 503.924.4704
 Fax No.: 503.943.6357

Project Manager: **Chris Luk**
 Project Name: White Hawk Additional Sampling
 Project Number: **2251-00**
 Analytical Lab: Apex Labs
 Report To: gluk@apexcos.com
 Page: 2 of 4
 Sampler Name: C. Luk



Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Ice	HNO ₃ (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H ₂ SO ₄ Plastic (Yellow Label)	H ₂ SO ₄ Glass (Yellow Label)	None (Black Label)	Other (Specify)	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (Specify)	Arsenic (EPA 6020)	Pesticides (EPA 8081A)	Analyze For:	Standard TAT	RUSH TAT (Pre-Schedule)	Send QC with report	Fax Results		
																												Temperature Upon Receipt	VOCs Free of Headspace?
SS-34 (0.5-1.0)	5/16/16	1545	1	X																									
CS-1 (0.5)	5/17/16	730	1	X																									
CS-1 (2.5)	5/17/16	735	1	X																									
CS-2 (0.5)	5/17/16	740	1	X																									
CS-2 (2.5)	5/17/16	745	1	X																									
CS-3 (0.5)	5/17/16	755	1	X																									
CS-3 (2.5)	5/17/16	800	1	X																									
CS-4 (0.5)	5/17/16	810	1	X																									
CS-4 (2.5)	5/17/16	815	1	X																									

Special Instructions:
H = Hold for analysis

Method of Shipment:	Received by: Name/Company	Date	Time
Hold extra sample	Received by: Name/Company	5/19/16	1121
Relinquished by: Name/Company	Received by: Name/Company	5/18/16	1100
Relinquished by: Name/Company	Received by: Name/Company		
Relinquished by: Name/Company	Received by: Name/Company		
Relinquished by: Name/Company	Received by: Name/Company		

Philip Nerenberg

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**

Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 05/31/16 16:44

Telephone Number: 503.924.4704
 Fax No.: 503.943.6357
 Analytical Lab: Apex Labs

Report To: cluk@apexcos.com
 Page: 3 of 4

Client Name: Apex
 Address: 3015 SW First Ave
 City/State/Zip: Portland, OR 97201

Project Manager: **Chris Luk**
 Project Name: White Hawk Additional Sampling
 Project Number: **2251-00**
 Sampler Name: C. Luk



Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Composite	Field Filtered	Ice	HNO ₃ (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H ₂ SO ₄ Fissic (Yellow Label)	H ₂ SO ₄ Glass (Yellow Label)	None (Black Label)	Other (Specify)	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Asenic (EPA 6020)	Pesticides (EPA 8081A)	Analyze For:	RUSH TAT (Pre-Schedule)	Standard FAT	Fax Results	Send QC with report
CS-5 (0.5)	5/17/16	820	1	X																						
CS-5 (2.5)	5/17/16	825	1	X																						
CS-6 (0.5)	5/17/16	835	1	X																						
CS-6 (2.5)	5/17/16	840	1	X																						
CS-7 (0.5)	5/17/16	850	1	X																						
CS-7 (2.5)	5/17/16	855	1	X																						
CS-8 (0.5)	5/17/16	905	1	X																						
CS-8 (2.5)	5/17/16	910	1	X																						
CS-9 (0.5)	5/17/16	920	1	X																						
CS-9 (2.5)	5/17/16	925	1	X																						

Philip Nerenberg

Apex Companies, LLC
3015 SW First Avenue
Portland, OR 97201

Project: White Hawk Additional Sampling

Project Number: 2251-00
Project Manager: Chris Luk

Reported:
05/31/16 16:44

AG0575

Telephone Number: 503.924.4704
Fax No.: 503.943.6357

CHAIN OF CUSTODY RECORD
Client Name: Apex
Address: 3015 SW First Ave
City/State/Zip: Portland, OR 97201

Analytical Lab: Apex Labs
Report To: sluk@apexcoos.com
Page: 4 of 4

Project Manager: Chris Luk
Project Name: White Hawk Additional Sampling
Project Number: 2251-00
Sampler Name: C. Luk

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Composite	Field Filtered	Ice	HNO ₃ (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H ₂ SO ₄ Plastic (Yellow Label)	H ₂ SO ₄ Glass (Yellow Label)	None (Black Label)	Other (Specify)	Matrix			Analyze For			Standard FAT	RUSH FAT (Pre-Schedule)	Fax Results	Send QC with report												
														Drinking Water	Wastewater	Groundwater	Other (Specify)	Sludge	Soil					Other (Specify)	Asbestos (EPA 6020)	Pesticides (EPA 8081A)	Temperature Upon Receipt	VOCs Free of Headspace?							
CS-10 (0.5)	5/17/16	930	1	X																															
CS-10 (2.5)	5/17/16	935	1	X																															
CS-11 (0.5)	5/17/16	940	1	X																															
CS-11 (2.5)	5/17/16	945	1	X																															
Comp (0.5)	5/17/16	1000	1	X																															
Comp (2.5)	5/17/16	1005	1	X																															

Special Instructions: H = Hold for analysis

Hold extra sample	Date	Time	Received by: Name/Company	Date	Time
Relinquished by: Name/Company	5/17/16	11:00	Chris Luk	5/19/16	11:00
Relinquished by: Name/Company					
Relinquished by: Name/Company					
Relinquished by: Name/Company					

Apex Laboratories
Philip Nerenberg

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

Friday, June 3, 2016

Chris Luk
Apex Companies, LLC
3015 SW First Avenue
Portland, OR 97201

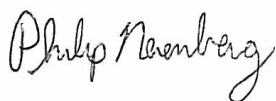
RE: White Hawk Additional Sampling / 2251-00

Enclosed are the results of analyses for work order A6E0575, which was received by the laboratory on 5/18/2016 at 11:00:00AM.

Thank you for using Apex Labs. We appreciate your business and strive to provide the highest quality services to the environmental industry.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: pnerenberg@apex-labs.com, or by phone at 503-718-2323.

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Philip Nerenberg For Darwin Thomas, Business Development Director

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 06/03/16 10:10

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-24 (0.5-1.0)	A6E0575-01	Soil	05/16/16 12:10	05/18/16 11:00
SS-25 (0.5-1.0)	A6E0575-02	Soil	05/16/16 12:30	05/18/16 11:00
SS-26 (0.5-1.0)	A6E0575-03	Soil	05/16/16 12:45	05/18/16 11:00
SS-27 (0.5-1.0)	A6E0575-04	Soil	05/16/16 12:55	05/18/16 11:00
SS-28 (0.5-1.0)	A6E0575-05	Soil	05/16/16 13:05	05/18/16 11:00
SS-29 (0.5-1.0)	A6E0575-06	Soil	05/16/16 14:10	05/18/16 11:00
SS-30 (0.5-1.0)	A6E0575-07	Soil	05/16/16 14:45	05/18/16 11:00
SS-31 (0.5-1.0)	A6E0575-08	Soil	05/16/16 14:50	05/18/16 11:00
SS-32 (0.5-1.0)	A6E0575-09	Soil	05/16/16 15:10	05/18/16 11:00
SS-33 (0.5-1.0)	A6E0575-10	Soil	05/16/16 15:20	05/18/16 11:00
SS-34 (0.5-1.0)	A6E0575-11	Soil	05/16/16 15:45	05/18/16 11:00
Comp (0.5)	A6E0575-34	Soil	05/17/16 10:00	05/18/16 11:00
Comp (2.5)	A6E0575-35	Soil	05/17/16 10:05	05/18/16 11:00

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 06/03/16 10:10

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	MDL	Reporting		Dilution	Date Analyzed	Method	Notes
			Limit	Units				
SS-24 (0.5-1.0) (A6E0575-01RE1)			Matrix: Soil		Batch: 6050642		C-05	
Aldrin	ND	0.917	1.83	ug/kg dry	1	05/25/16 15:28	EPA 8081B	
alpha-BHC	ND	0.917	1.83	"	"	"	"	
beta-BHC	ND	0.917	1.83	"	"	"	"	
delta-BHC	ND	0.917	1.83	"	"	"	"	
gamma-BHC (Lindane)	ND	0.917	1.83	"	"	"	"	
cis-Chlordane	ND	0.917	1.83	"	"	"	"	
trans-Chlordane	ND	0.917	1.83	"	"	"	"	
4,4'-DDD	ND	0.917	1.83	"	"	"	"	
4,4'-DDE	2.82	0.917	1.83	"	"	"	"	
4,4'-DDT	1.29	0.917	1.83	"	"	"	"	J
Dieldrin	ND	0.917	1.83	"	"	"	"	
Endosulfan I	ND	0.917	1.83	"	"	"	"	
Endosulfan II	ND	0.917	1.83	"	"	"	"	
Endosulfan sulfate	ND	0.917	1.83	"	"	"	"	
Endrin	ND	0.917	1.83	"	"	"	"	
Endrin Aldehyde	ND	0.917	1.83	"	"	"	"	
Endrin ketone	ND	0.917	1.83	"	"	"	"	
Heptachlor	ND	0.917	1.83	"	"	"	"	
Heptachlor epoxide	ND	0.917	1.83	"	"	"	"	
Methoxychlor	ND	2.75	5.50	"	"	"	"	
Chlordane (Technical)	ND	27.5	55.0	"	"	"	"	
Toxaphene (Total)	ND	27.5	55.0	"	"	"	"	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 71 %</i>		<i>Limits: 42-129 %</i>		"	"	"
<i>Decachlorobiphenyl (Surr)</i>		<i>86 %</i>		<i>Limits: 65-151 %</i>		"	"	"



Apex Companies, LLC
3015 SW First Avenue
Portland, OR 97201

Project: **White Hawk Additional Sampling**
Project Number: 2251-00
Project Manager: Chris Luk


Reported:
06/03/16 10:10

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	MDL	Reporting		Dilution	Date Analyzed	Method	Notes
			Limit	Units				
SS-25 (0.5-1.0) (A6E0575-02RE1)			Matrix: Soil		Batch: 6050642			C-05
Aldrin	ND	0.958	1.92	ug/kg dry	1	05/25/16 15:45	EPA 8081B	
alpha-BHC	ND	0.958	1.92	"	"	"	"	
beta-BHC	ND	0.958	1.92	"	"	"	"	
delta-BHC	ND	0.958	1.92	"	"	"	"	
gamma-BHC (Lindane)	ND	0.958	1.92	"	"	"	"	
cis-Chlordane	ND	0.958	1.92	"	"	"	"	
trans-Chlordane	ND	0.958	1.92	"	"	"	"	
4,4'-DDD	ND	4.41	4.41	"	"	"	"	R-02
4,4'-DDE	91.8	0.958	1.92	"	"	"	"	
4,4'-DDT	65.0	0.958	1.92	"	"	"	"	
Dieldrin	23.3	0.958	1.92	"	"	"	"	
Endosulfan I	ND	0.958	1.92	"	"	"	"	
Endosulfan II	ND	0.958	1.92	"	"	"	"	
Endosulfan sulfate	ND	1.92	1.92	"	"	"	"	
Endrin	ND	0.958	1.92	"	"	"	"	
Endrin Aldehyde	ND	1.92	1.92	"	"	"	"	
Endrin ketone	ND	7.86	7.86	"	"	"	"	R-02
Heptachlor	ND	0.958	1.92	"	"	"	"	
Heptachlor epoxide	ND	0.958	1.92	"	"	"	"	
Methoxychlor	ND	2.88	5.75	"	"	"	"	
Chlordane (Technical)	ND	28.8	57.5	"	"	"	"	
Toxaphene (Total)	ND	28.8	57.5	"	"	"	"	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 73 %</i>		<i>Limits: 42-129 %</i>		"	"	"
<i>Decachlorobiphenyl (Surr)</i>		<i>89 %</i>		<i>Limits: 65-151 %</i>		"	"	"

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 06/03/16 10:10

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	MDL	Reporting		Dilution	Date Analyzed	Method	Notes
			Limit	Units				
SS-26 (0.5-1.0) (A6E0575-03RE1)			Matrix: Soil		Batch: 6050642			C-05
Aldrin	ND	0.913	1.83	ug/kg dry	1	05/25/16 16:03	EPA 8081B	
alpha-BHC	ND	0.913	1.83	"	"	"	"	
beta-BHC	ND	0.913	1.83	"	"	"	"	
delta-BHC	ND	0.913	1.83	"	"	"	"	
gamma-BHC (Lindane)	ND	0.913	1.83	"	"	"	"	
cis-Chlordane	ND	0.913	1.83	"	"	"	"	
trans-Chlordane	ND	0.913	1.83	"	"	"	"	
4,4'-DDD	ND	0.913	1.83	"	"	"	"	
4,4'-DDE	15.9	0.913	1.83	"	"	"	"	
4,4'-DDT	10.1	0.913	1.83	"	"	"	"	
Dieldrin	2.64	0.913	1.83	"	"	"	"	
Endosulfan I	ND	0.913	1.83	"	"	"	"	
Endosulfan II	ND	0.913	1.83	"	"	"	"	
Endosulfan sulfate	ND	0.913	1.83	"	"	"	"	
Endrin	ND	0.913	1.83	"	"	"	"	
Endrin Aldehyde	ND	0.913	1.83	"	"	"	"	
Endrin ketone	ND	0.913	1.83	"	"	"	"	
Heptachlor	ND	0.913	1.83	"	"	"	"	
Heptachlor epoxide	ND	0.913	1.83	"	"	"	"	
Methoxychlor	ND	2.74	5.48	"	"	"	"	
Chlordane (Technical)	ND	27.4	54.8	"	"	"	"	
Toxaphene (Total)	ND	27.4	54.8	"	"	"	"	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 61 %</i>		<i>Limits: 42-129 %</i>		"	"	"
<i>Decachlorobiphenyl (Surr)</i>		<i>75 %</i>		<i>Limits: 65-151 %</i>		"	"	"

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 06/03/16 10:10

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	MDL	Reporting		Dilution	Date Analyzed	Method	Notes
			Limit	Units				
SS-27 (0.5-1.0) (A6E0575-04RE1)			Matrix: Soil		Batch: 6050642			C-05
Aldrin	ND	0.974	1.95	ug/kg dry	1	05/25/16 16:20	EPA 8081B	
alpha-BHC	ND	0.974	1.95	"	"	"	"	
beta-BHC	ND	0.974	1.95	"	"	"	"	
delta-BHC	ND	0.974	1.95	"	"	"	"	
gamma-BHC (Lindane)	ND	0.974	1.95	"	"	"	"	
cis-Chlordane	ND	0.974	1.95	"	"	"	"	
trans-Chlordane	ND	0.974	1.95	"	"	"	"	
4,4'-DDD	ND	0.974	1.95	"	"	"	"	
4,4'-DDE	14.4	0.974	1.95	"	"	"	"	
4,4'-DDT	19.4	0.974	1.95	"	"	"	"	
Dieldrin	ND	0.974	1.95	"	"	"	"	
Endosulfan I	ND	1.95	1.95	"	"	"	"	
Endosulfan II	5.62	0.974	1.95	"	"	"	"	
Endosulfan sulfate	30.5	0.974	1.95	"	"	"	"	
Endrin	ND	0.974	1.95	"	"	"	"	
Endrin Aldehyde	ND	0.974	1.95	"	"	"	"	
Endrin ketone	ND	0.974	1.95	"	"	"	"	
Heptachlor	ND	0.974	1.95	"	"	"	"	
Heptachlor epoxide	ND	0.974	1.95	"	"	"	"	
Methoxychlor	ND	2.92	5.84	"	"	"	"	
Chlordane (Technical)	ND	29.2	58.4	"	"	"	"	
Toxaphene (Total)	ND	29.2	58.4	"	"	"	"	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 65 %</i>		<i>Limits: 42-129 %</i>		"	"	"
<i>Decachlorobiphenyl (Surr)</i>		<i>86 %</i>		<i>Limits: 65-151 %</i>		"	"	"

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 06/03/16 10:10

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	MDL	Reporting		Dilution	Date Analyzed	Method	Notes
			Limit	Units				
SS-28 (0.5-1.0) (A6E0575-05RE1)			Matrix: Soil		Batch: 6050642			C-05
Aldrin	ND	0.915	1.83	ug/kg dry	1	05/25/16 16:37	EPA 8081B	
alpha-BHC	ND	0.915	1.83	"	"	"	"	
beta-BHC	ND	0.915	1.83	"	"	"	"	
delta-BHC	ND	0.915	1.83	"	"	"	"	
gamma-BHC (Lindane)	ND	0.915	1.83	"	"	"	"	
cis-Chlordane	ND	0.915	1.83	"	"	"	"	
trans-Chlordane	ND	0.915	1.83	"	"	"	"	
4,4'-DDD	ND	0.915	1.83	"	"	"	"	
4,4'-DDE	ND	0.915	1.83	"	"	"	"	
4,4'-DDT	ND	0.915	1.83	"	"	"	"	
Dieldrin	ND	0.915	1.83	"	"	"	"	
Endosulfan I	ND	0.915	1.83	"	"	"	"	
Endosulfan II	ND	0.915	1.83	"	"	"	"	
Endosulfan sulfate	ND	0.915	1.83	"	"	"	"	
Endrin	ND	0.915	1.83	"	"	"	"	
Endrin Aldehyde	ND	0.915	1.83	"	"	"	"	
Endrin ketone	ND	0.915	1.83	"	"	"	"	
Heptachlor	ND	0.915	1.83	"	"	"	"	
Heptachlor epoxide	ND	0.915	1.83	"	"	"	"	
Methoxychlor	ND	2.74	5.49	"	"	"	"	
Chlordane (Technical)	ND	27.4	54.9	"	"	"	"	
Toxaphene (Total)	ND	27.4	54.9	"	"	"	"	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 58 %</i>		<i>Limits: 42-129 %</i>		"	"	"
<i>Decachlorobiphenyl (Surr)</i>		<i>78 %</i>		<i>Limits: 65-151 %</i>		"	"	"

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 06/03/16 10:10

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	MDL	Reporting		Dilution	Date Analyzed	Method	Notes
			Limit	Units				
SS-29 (0.5-1.0) (A6E0575-06RE1)			Matrix: Soil		Batch: 6050642			C-05
Aldrin	ND	1.07	2.13	ug/kg dry	1	05/25/16 16:55	EPA 8081B	
alpha-BHC	ND	1.07	2.13	"	"	"	"	
beta-BHC	ND	1.07	2.13	"	"	"	"	
delta-BHC	ND	1.07	2.13	"	"	"	"	
gamma-BHC (Lindane)	ND	1.07	2.13	"	"	"	"	
cis-Chlordane	ND	1.07	2.13	"	"	"	"	
trans-Chlordane	ND	1.07	2.13	"	"	"	"	
4,4'-DDD	ND	1.07	2.13	"	"	"	"	
4,4'-DDE	18.5	1.07	2.13	"	"	"	"	
4,4'-DDT	19.1	1.07	2.13	"	"	"	"	
Dieldrin	ND	1.07	2.13	"	"	"	"	
Endosulfan I	ND	1.07	2.13	"	"	"	"	
Endosulfan II	ND	1.07	2.13	"	"	"	"	
Endosulfan sulfate	1.25	1.07	2.13	"	"	"	"	J
Endrin	ND	1.07	2.13	"	"	"	"	
Endrin Aldehyde	ND	1.07	2.13	"	"	"	"	
Endrin ketone	ND	1.07	2.13	"	"	"	"	
Heptachlor	ND	1.07	2.13	"	"	"	"	
Heptachlor epoxide	ND	1.07	2.13	"	"	"	"	
Methoxychlor	ND	3.20	6.40	"	"	"	"	
Chlordane (Technical)	ND	32.0	64.0	"	"	"	"	
Toxaphene (Total)	ND	32.0	64.0	"	"	"	"	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 79 %</i>		<i>Limits: 42-129 %</i>		"	"	"
<i>Decachlorobiphenyl (Surr)</i>		<i>81 %</i>		<i>Limits: 65-151 %</i>		"	"	"

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 06/03/16 10:10

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	MDL	Reporting		Dilution	Date Analyzed	Method	Notes
			Limit	Units				
SS-30 (0.5-1.0) (A6E0575-07RE1)			Matrix: Soil		Batch: 6050642			C-05
Aldrin	ND	1.06	2.11	ug/kg dry	1	05/25/16 17:12	EPA 8081B	
alpha-BHC	ND	1.06	2.11	"	"	"	"	
beta-BHC	ND	1.06	2.11	"	"	"	"	
delta-BHC	ND	1.06	2.11	"	"	"	"	
gamma-BHC (Lindane)	ND	1.06	2.11	"	"	"	"	
cis-Chlordane	ND	1.06	2.11	"	"	"	"	
trans-Chlordane	ND	1.06	2.11	"	"	"	"	
4,4'-DDD	4.40	1.06	2.11	"	"	"	"	
4,4'-DDE	159	1.06	2.11	"	"	"	"	
4,4'-DDT	154	1.06	2.11	"	"	"	"	
Dieldrin	25.6	1.06	2.11	"	"	"	"	
Endosulfan I	ND	1.06	2.11	"	"	"	"	
Endosulfan II	ND	1.06	2.11	"	"	"	"	
Endosulfan sulfate	2.43	1.06	2.11	"	"	"	"	
Endrin	ND	1.06	2.11	"	"	"	"	
Endrin Aldehyde	ND	1.06	2.11	"	"	"	"	
Endrin ketone	ND	1.06	2.11	"	"	"	"	
Heptachlor	ND	1.06	2.11	"	"	"	"	
Heptachlor epoxide	ND	1.06	2.11	"	"	"	"	
Methoxychlor	ND	6.34	6.34	"	"	"	"	
Chlordane (Technical)	ND	31.7	63.4	"	"	"	"	
Toxaphene (Total)	ND	31.7	63.4	"	"	"	"	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 52 %</i>		<i>Limits: 42-129 %</i>		"	"	"
<i>Decachlorobiphenyl (Surr)</i>		<i>82 %</i>		<i>Limits: 65-151 %</i>		"	"	"

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 06/03/16 10:10

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	MDL	Reporting		Dilution	Date Analyzed	Method	Notes
			Limit	Units				
Comp (0.5) (A6E0575-34RE1)			Matrix: Soil		Batch: 6050642		C-05	
Aldrin	ND	1.00	2.01	ug/kg dry	1	05/25/16 17:29	EPA 8081B	
alpha-BHC	ND	1.00	2.01	"	"	"	"	
beta-BHC	ND	1.00	2.01	"	"	"	"	
delta-BHC	ND	1.00	2.01	"	"	"	"	
gamma-BHC (Lindane)	ND	1.00	2.01	"	"	"	"	
cis-Chlordane	ND	1.00	2.01	"	"	"	"	
trans-Chlordane	ND	1.00	2.01	"	"	"	"	
4,4'-DDD	ND	1.00	2.01	"	"	"	"	
4,4'-DDE	52.2	1.00	2.01	"	"	"	"	
4,4'-DDT	29.7	1.00	2.01	"	"	"	"	
Dieldrin	1.88	1.00	2.01	"	"	"	"	J
Endosulfan I	ND	1.00	2.01	"	"	"	"	
Endosulfan II	ND	1.00	2.01	"	"	"	"	
Endosulfan sulfate	1.81	1.00	2.01	"	"	"	"	J
Endrin	ND	1.00	2.01	"	"	"	"	
Endrin Aldehyde	ND	1.00	2.01	"	"	"	"	
Endrin ketone	ND	1.00	2.01	"	"	"	"	
Heptachlor	ND	1.00	2.01	"	"	"	"	
Heptachlor epoxide	ND	1.00	2.01	"	"	"	"	
Methoxychlor	ND	6.02	6.02	"	"	"	"	
Chlordane (Technical)	ND	30.1	60.2	"	"	"	"	
Toxaphene (Total)	ND	30.1	60.2	"	"	"	"	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 69 %</i>		<i>Limits: 42-129 %</i>		"	"	"
<i>Decachlorobiphenyl (Surr)</i>		<i>83 %</i>		<i>Limits: 65-151 %</i>		"	"	"

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 06/03/16 10:10

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
SS-24 (0.5-1.0) (A6E0575-01)			Matrix: Soil					
Batch: 6050663								
Arsenic	1.07	0.528	1.06	mg/kg dry	10	05/26/16 22:23	EPA 6020A	
SS-25 (0.5-1.0) (A6E0575-02)			Matrix: Soil					
Batch: 6050663								
Arsenic	8.82	0.544	1.09	mg/kg dry	10	05/26/16 22:26	EPA 6020A	
SS-26 (0.5-1.0) (A6E0575-03)			Matrix: Soil					
Batch: 6050663								
Arsenic	3.99	0.530	1.06	mg/kg dry	10	05/26/16 22:38	EPA 6020A	
SS-27 (0.5-1.0) (A6E0575-04)			Matrix: Soil					
Batch: 6050663								
Arsenic	3.97	0.626	1.25	mg/kg dry	10	05/26/16 22:41	EPA 6020A	
SS-28 (0.5-1.0) (A6E0575-05)			Matrix: Soil					
Batch: 6050663								
Arsenic	2.63	0.545	1.09	mg/kg dry	10	05/26/16 22:44	EPA 6020A	
SS-29 (0.5-1.0) (A6E0575-06)			Matrix: Soil					
Batch: 6050663								
Arsenic	15.6	0.579	1.16	mg/kg dry	10	05/26/16 22:47	EPA 6020A	
SS-30 (0.5-1.0) (A6E0575-07)			Matrix: Soil					
Batch: 6050663								
Arsenic	16.4	0.602	1.20	mg/kg dry	10	05/26/16 22:50	EPA 6020A	
SS-31 (0.5-1.0) (A6E0575-08)			Matrix: Soil					
Batch: 6050663								
Arsenic	25.9	0.601	1.20	mg/kg dry	10	05/26/16 22:53	EPA 6020A	
SS-32 (0.5-1.0) (A6E0575-09)			Matrix: Soil					
Batch: 6050663								
Arsenic	68.3	0.619	1.24	mg/kg dry	10	05/26/16 22:55	EPA 6020A	
SS-33 (0.5-1.0) (A6E0575-10)			Matrix: Soil					
Batch: 6050663								
Arsenic	76.6	0.558	1.12	mg/kg dry	10	05/26/16 22:58	EPA 6020A	
SS-34 (0.5-1.0) (A6E0575-11)			Matrix: Soil					
Batch: 6050663								
Arsenic	52.1	0.556	1.11	mg/kg dry	10	05/26/16 23:01	EPA 6020A	
Comp (0.5) (A6E0575-34)			Matrix: Soil					

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 06/03/16 10:10

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
Comp (0.5) (A6E0575-34)			Matrix: Soil					
Batch: 6050663								
Arsenic	11.7	0.547	1.09	mg/kg dry	10	05/26/16 23:04	EPA 6020A	
Comp (2.5) (A6E0575-35)			Matrix: Soil					
Batch: 6050663								
Arsenic	11.5	0.572	1.14	mg/kg dry	10	05/26/16 23:16	EPA 6020A	

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 06/03/16 10:10

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight								
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
SS-24 (0.5-1.0) (A6E0575-01)			Matrix: Soil	Batch: 6050630				
% Solids	97.7	---	1.00	% by Weight	1	05/24/16 08:04	EPA 8000C	
SS-25 (0.5-1.0) (A6E0575-02)			Matrix: Soil	Batch: 6050630				
% Solids	88.6	---	1.00	% by Weight	1	05/24/16 08:04	EPA 8000C	
SS-26 (0.5-1.0) (A6E0575-03)			Matrix: Soil	Batch: 6050630				
% Solids	94.2	---	1.00	% by Weight	1	05/24/16 08:04	EPA 8000C	
SS-27 (0.5-1.0) (A6E0575-04)			Matrix: Soil	Batch: 6050630				
% Solids	88.0	---	1.00	% by Weight	1	05/24/16 08:04	EPA 8000C	
SS-28 (0.5-1.0) (A6E0575-05)			Matrix: Soil	Batch: 6050630				
% Solids	93.1	---	1.00	% by Weight	1	05/24/16 08:04	EPA 8000C	
SS-29 (0.5-1.0) (A6E0575-06)			Matrix: Soil	Batch: 6050630				
% Solids	83.1	---	1.00	% by Weight	1	05/24/16 08:04	EPA 8000C	
SS-30 (0.5-1.0) (A6E0575-07)			Matrix: Soil	Batch: 6050630				
% Solids	82.8	---	1.00	% by Weight	1	05/24/16 08:04	EPA 8000C	
SS-31 (0.5-1.0) (A6E0575-08)			Matrix: Soil	Batch: 6050630				
% Solids	85.9	---	1.00	% by Weight	1	05/24/16 08:04	EPA 8000C	
SS-32 (0.5-1.0) (A6E0575-09)			Matrix: Soil	Batch: 6050630				
% Solids	88.0	---	1.00	% by Weight	1	05/24/16 08:04	EPA 8000C	
SS-33 (0.5-1.0) (A6E0575-10)			Matrix: Soil	Batch: 6050630				
% Solids	89.9	---	1.00	% by Weight	1	05/24/16 08:04	EPA 8000C	
SS-34 (0.5-1.0) (A6E0575-11)			Matrix: Soil	Batch: 6050630				
% Solids	87.0	---	1.00	% by Weight	1	05/24/16 08:04	EPA 8000C	
Comp (0.5) (A6E0575-34)			Matrix: Soil	Batch: 6050630				
% Solids	88.0	---	1.00	% by Weight	1	05/24/16 08:04	EPA 8000C	
Comp (2.5) (A6E0575-35)			Matrix: Soil	Batch: 6050630				
% Solids	84.9	---	1.00	% by Weight	1	05/24/16 08:04	EPA 8000C	

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 06/03/16 10:10

QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6050642 - EPA 3546/3640A (GPC)						Soil						
Blank (6050642-BLK1)						Prepared: 05/23/16 07:07 Analyzed: 05/25/16 09:42						C-05
EPA 8081B												
Aldrin	ND	0.833	1.67	ug/kg wet	1	---	---	---	---	---	---	
alpha-BHC	ND	0.833	1.67	"	"	---	---	---	---	---	---	
beta-BHC	ND	0.833	1.67	"	"	---	---	---	---	---	---	
delta-BHC	ND	0.833	1.67	"	"	---	---	---	---	---	---	
gamma-BHC (Lindane)	ND	0.833	1.67	"	"	---	---	---	---	---	---	
cis-Chlordane	ND	0.833	1.67	"	"	---	---	---	---	---	---	
trans-Chlordane	ND	0.833	1.67	"	"	---	---	---	---	---	---	
4,4'-DDD	ND	0.833	1.67	"	"	---	---	---	---	---	---	
4,4'-DDE	ND	0.833	1.67	"	"	---	---	---	---	---	---	
4,4'-DDT	ND	0.833	1.67	"	"	---	---	---	---	---	---	
Dieldrin	ND	0.833	1.67	"	"	---	---	---	---	---	---	
Endosulfan I	ND	0.833	1.67	"	"	---	---	---	---	---	---	
Endosulfan II	ND	0.833	1.67	"	"	---	---	---	---	---	---	
Endosulfan sulfate	ND	0.833	1.67	"	"	---	---	---	---	---	---	
Endrin	ND	0.833	1.67	"	"	---	---	---	---	---	---	
Endrin Aldehyde	ND	0.833	1.67	"	"	---	---	---	---	---	---	
Endrin ketone	ND	0.833	1.67	"	"	---	---	---	---	---	---	
Heptachlor	ND	0.833	1.67	"	"	---	---	---	---	---	---	
Heptachlor epoxide	ND	0.833	1.67	"	"	---	---	---	---	---	---	
Methoxychlor	ND	2.50	5.00	"	"	---	---	---	---	---	---	
Chlordane (Technical)	ND	25.0	50.0	"	"	---	---	---	---	---	---	
Toxaphene (Total)	ND	25.0	50.0	"	"	---	---	---	---	---	---	

Surr: 2,4,5,6-TCMX (Surr) Recovery: 63 % Limits: 42-129 % Dilution: 1x
 Decachlorobiphenyl (Surr) 77 % 65-151 % "

LCS (6050642-BS1)						Prepared: 05/23/16 07:07 Analyzed: 05/25/16 09:59						C-05
EPA 8081B												
Aldrin	30.1	1.00	2.00	ug/kg wet	1	50.0	---	60	45-136%	---	---	
alpha-BHC	31.4	1.00	2.00	"	"	"	---	63	45-137%	---	---	
beta-BHC	35.3	1.00	2.00	"	"	"	---	71	50-136%	---	---	
delta-BHC	35.1	1.00	2.00	"	"	"	---	70	47-139%	---	---	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 06/03/16 10:10

QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6050642 - EPA 3546/3640A (GPC)						Soil						
LCS (6050642-BS1)						Prepared: 05/23/16 07:07 Analyzed: 05/25/16 09:59						C-05
gamma-BHC (Lindane)	32.3	1.00	2.00	"	"	"	---	65	49-135%	---	---	
cis-Chlordane	33.0	1.00	2.00	"	"	"	---	66	54-133%	---	---	
trans-Chlordane	33.6	1.00	2.00	"	"	"	---	67	53-135%	---	---	
4,4'-DDD	41.0	1.00	2.00	"	"	"	---	82	56-139%	---	---	
4,4'-DDE	37.4	1.00	2.00	"	"	"	---	75	56-134%	---	---	
4,4'-DDT	44.3	1.00	2.00	"	"	"	---	89	50-141%	---	---	
Dieldrin	39.2	1.00	2.00	"	"	"	---	78	56-136%	---	---	
Endosulfan I	35.2	1.00	2.00	"	"	"	---	70	52-132%	---	---	
Endosulfan II	39.3	1.00	2.00	"	"	"	---	79	53-134%	---	---	
Endosulfan sulfate	40.3	1.00	2.00	"	"	"	---	81	55-136%	---	---	
Endrin	39.6	1.00	2.00	"	"	"	---	79	56-140%	---	---	
Endrin Aldehyde	40.6	1.00	2.00	"	"	"	---	81	35-137%	---	---	
Endrin ketone	46.6	1.00	2.00	"	"	"	---	93	55-136%	---	---	
Heptachlor	30.5	1.00	2.00	"	"	"	---	61	47-136%	---	---	
Heptachlor epoxide	33.7	1.00	2.00	"	"	"	---	67	52-136%	---	---	
Methoxychlor	46.2	3.00	6.00	"	"	"	---	92	52-143%	---	---	

Surr: 2,4,5,6-TCMX (Surr)
 Decachlorobiphenyl (Surr)

Recovery: 64 %
 80 %

Limits: 42-129 %
 65-151 %

Dilution: 1x
 "



Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 06/03/16 10:10

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6050663 - EPA 3051A						Soil						
Blank (6050663-BLK1)						Prepared: 05/24/16 10:50 Analyzed: 05/26/16 22:00						
EPA 6020A												
Arsenic	ND	0.500	1.00	mg/kg wet	10	---	---	---	---	---	---	---
LCS (6050663-BS1)						Prepared: 05/24/16 10:50 Analyzed: 05/26/16 22:03						
EPA 6020A												
Arsenic	48.8	0.500	1.00	mg/kg wet	10	50.0	---	98	80-120%	---	---	---

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 06/03/16 10:10

QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6050630 - Total Solids (Dry Weight)						Soil						
Duplicate (6050630-DUP1)						Prepared: 05/23/16 10:36 Analyzed: 05/24/16 08:04						
QC Source Sample: SS-29 (0.5-1.0) (A6E0575-06)												
EPA 8000C												
% Solids	83.0	---	1.00	% by Weight	1	---	83.1	---	---	0.1	10%	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.



Apex Companies, LLC
3015 SW First Avenue
Portland, OR 97201

Project: **White Hawk Additional Sampling**
Project Number: 2251-00
Project Manager: Chris Luk

Reported:
06/03/16 10:10

SAMPLE PREPARATION INFORMATION

Organochlorine Pesticides by EPA 8081B

Prep: EPA 3546/3640A (GPC)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 6050642							
A6E0575-01RE1	Soil	EPA 8081B	05/16/16 12:10	05/23/16 07:07	11.16g/10mL	10g/5mL	1.79
A6E0575-02RE1	Soil	EPA 8081B	05/16/16 12:30	05/23/16 07:07	11.77g/10mL	10g/5mL	1.70
A6E0575-03RE1	Soil	EPA 8081B	05/16/16 12:45	05/23/16 07:07	11.63g/10mL	10g/5mL	1.72
A6E0575-04RE1	Soil	EPA 8081B	05/16/16 12:55	05/23/16 07:07	11.67g/10mL	10g/5mL	1.71
A6E0575-05RE1	Soil	EPA 8081B	05/16/16 13:05	05/23/16 07:07	11.74g/10mL	10g/5mL	1.70
A6E0575-06RE1	Soil	EPA 8081B	05/16/16 14:10	05/23/16 07:07	11.28g/10mL	10g/5mL	1.77
A6E0575-07RE1	Soil	EPA 8081B	05/16/16 14:45	05/23/16 07:07	11.43g/10mL	10g/5mL	1.75
A6E0575-34RE1	Soil	EPA 8081B	05/17/16 10:00	05/23/16 07:07	11.34g/10mL	10g/5mL	1.76

Total Metals by EPA 6020 (ICPMS)

Prep: EPA 3051A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 6050663							
A6E0575-01	Soil	EPA 6020A	05/16/16 12:10	05/24/16 10:50	0.485g/50mL	0.5g/50mL	1.03
A6E0575-02	Soil	EPA 6020A	05/16/16 12:30	05/24/16 10:50	0.518g/50mL	0.5g/50mL	0.97
A6E0575-03	Soil	EPA 6020A	05/16/16 12:45	05/24/16 10:50	0.501g/50mL	0.5g/50mL	1.00
A6E0575-04	Soil	EPA 6020A	05/16/16 12:55	05/24/16 10:50	0.454g/50mL	0.5g/50mL	1.10
A6E0575-05	Soil	EPA 6020A	05/16/16 13:05	05/24/16 10:50	0.493g/50mL	0.5g/50mL	1.01
A6E0575-06	Soil	EPA 6020A	05/16/16 14:10	05/24/16 10:50	0.519g/50mL	0.5g/50mL	0.96
A6E0575-07	Soil	EPA 6020A	05/16/16 14:45	05/24/16 10:50	0.502g/50mL	0.5g/50mL	1.00
A6E0575-08	Soil	EPA 6020A	05/16/16 14:50	05/24/16 10:50	0.484g/50mL	0.5g/50mL	1.03
A6E0575-09	Soil	EPA 6020A	05/16/16 15:10	05/24/16 10:50	0.459g/50mL	0.5g/50mL	1.09
A6E0575-10	Soil	EPA 6020A	05/16/16 15:20	05/24/16 10:50	0.498g/50mL	0.5g/50mL	1.00
A6E0575-11	Soil	EPA 6020A	05/16/16 15:45	05/24/16 10:50	0.517g/50mL	0.5g/50mL	0.97
A6E0575-34	Soil	EPA 6020A	05/17/16 10:00	05/24/16 10:50	0.52g/50mL	0.5g/50mL	0.96
A6E0575-35	Soil	EPA 6020A	05/17/16 10:05	05/24/16 10:50	0.515g/50mL	0.5g/50mL	0.97

Percent Dry Weight

Prep: Total Solids (Dry Weight)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 6050630							
A6E0575-01	Soil	EPA 8000C	05/16/16 12:10	05/23/16 10:36	1N/A/1N/A	1N/A/1N/A	NA
A6E0575-02	Soil	EPA 8000C	05/16/16 12:30	05/23/16 10:36	1N/A/1N/A	1N/A/1N/A	NA

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 06/03/16 10:10

SAMPLE PREPARATION INFORMATION

Percent Dry Weight

Prep: Total Solids (Dry Weight)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A6E0575-03	Soil	EPA 8000C	05/16/16 12:45	05/23/16 10:36	1N/A/1N/A	1N/A/1N/A	NA
A6E0575-04	Soil	EPA 8000C	05/16/16 12:55	05/23/16 10:36	1N/A/1N/A	1N/A/1N/A	NA
A6E0575-05	Soil	EPA 8000C	05/16/16 13:05	05/23/16 10:36	1N/A/1N/A	1N/A/1N/A	NA
A6E0575-06	Soil	EPA 8000C	05/16/16 14:10	05/23/16 10:36	1N/A/1N/A	1N/A/1N/A	NA
A6E0575-07	Soil	EPA 8000C	05/16/16 14:45	05/23/16 10:36	1N/A/1N/A	1N/A/1N/A	NA
A6E0575-08	Soil	EPA 8000C	05/16/16 14:50	05/23/16 10:36	1N/A/1N/A	1N/A/1N/A	NA
A6E0575-09	Soil	EPA 8000C	05/16/16 15:10	05/23/16 10:36	1N/A/1N/A	1N/A/1N/A	NA
A6E0575-10	Soil	EPA 8000C	05/16/16 15:20	05/23/16 10:36	1N/A/1N/A	1N/A/1N/A	NA
A6E0575-11	Soil	EPA 8000C	05/16/16 15:45	05/23/16 10:36	1N/A/1N/A	1N/A/1N/A	NA
A6E0575-34	Soil	EPA 8000C	05/17/16 10:00	05/23/16 10:36	1N/A/1N/A	1N/A/1N/A	NA
A6E0575-35	Soil	EPA 8000C	05/17/16 10:05	05/23/16 10:36	1N/A/1N/A	1N/A/1N/A	NA

Apex Laboratories



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Companies, LLC
3015 SW First Avenue
Portland, OR 97201

Project: **White Hawk Additional Sampling**
Project Number: 2251-00
Project Manager: Chris Luk

Reported:
06/03/16 10:10

Notes and Definitions

Qualifiers:

- C-05 Extract has undergone a GPC (Gel-Permeation Chromatography) cleanup per EPA 3640A. Reporting levels may be raised due to dilution necessary for cleanup. Sample Final Volume includes the GPC dilution factor, see the Prep page for details.
- J Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
- R-02 The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.

Notes and Conventions:

- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis. Results listed as 'wet' or without 'dry' designation are not dry weight corrected.
- RPD Relative Percent Difference
- MDL If MDL is not listed, data has been evaluated to the Method Reporting Limit only.
- WMSC Water Miscible Solvent Correction has been applied to Results and MRLs for volatiles soil samples per EPA 8000C.
- Batch QC Unless specifically requested, this report contains only results for Batch QC derived from client samples included in this report. All analyses were performed with the appropriate Batch QC (including Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates) in order to meet or exceed method and regulatory requirements. Any exceptions to this will be qualified in this report. Complete Batch QC results are available upon request. In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) is analyzed to demonstrate accuracy and precision of the extraction and analysis.
- Blank Policy Apex assesses blank data for potential high bias down to a level equal to 1/2 the method reporting limit (MRL), except for conventional chemistry and HCID analyses which are assessed only to the MRL. Sample results flagged with a B or B-02 qualifier are potentially biased high if they are less than ten times the level found in the blank for inorganic analyses or less than five times the level found in the blank for organic analyses.
- For accurate comparison of volatile results to the level found in the blank; water sample results should be divided by the dilution factor, and soil sample results should be divided by 1/50 of the sample dilution to account for the sample prep factor.
- Results qualified as reported below the MRL may include a potential high bias if associated with a B or B-02 qualified blank. B and B-02 qualifications are not applied to J qualified results reported below the MRL.
- QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.
- *** Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).



Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**

Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 06/03/16 10:10

AGEOS 75

CHAIN OF CUSTODY RECORD

Client Name: Apex
 Address: 3015 SW First Ave
 City/State/Zip: Portland, OR 97201

Telephone Number: 503-924-4704
 Fax No.: 503-943-8357

Project Manager: **Chris Luk**

Project Name: White Hawk Additional Sampling

Project Number: 2251-00

Sampler Name: C. Luk

Analytical Lab: Apex Labs

Report To: cluk@apexcos.com

Page: 1 of 4

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Ice	HNO ₃ (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H ₂ SO ₄ Plastic (Yellow Label)	H ₂ SO ₄ Glass (Yellow Label)	None (Black Label)	Other (Specify)	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (Specify)	Asbestos (EPA 6020)	Pesticides (EPA 6081A)	Analyze For:	RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Send QC with report
SS-24 (0.5-1.0)	5/16/16	1210	1	X																							
SS-25 (0.5-1.0)	5/16/16	1230	1	X																							
SS-26 (0.5-1.0)	5/16/16	1245	1	X																							
SS-27 (0.5-1.0)	5/16/16	1255	1	X																							
SS-28 (0.5-1.0)	5/16/16	1305	1	X																							
SS-29 (0.5-1.0)	5/16/16	1410	1	X																							
SS-30 (0.5-1.0)	5/16/16	1445	1	X																							
SS-31 (0.5-1.0)	5/16/16	1450	1	X																							
SS-32 (0.5-1.0)	5/16/16	1510	1	X																							
SS-33 (0.5-1.0)	5/16/16	1520	1	X																							
Special Instructions:																											
Hold extra sample																											
Relinquished by: Name/Company														Received by: Name/Company													
Date: 5/18/16														Date: 5/18/16													
Time: 11:23														Time: 11:02													
Relinquished by: Name/Company														Received by: Name/Company													
Date:														Date:													
Time:														Time:													
Relinquished by: Name/Company														Received by: Name/Company													
Date:														Date:													
Time:														Time:													



Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**

Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 06/03/16 10:10

A060575

CHAIN OF CUSTODY RECORD

Client Name: Apex
 Address: 3015 SW First Ave
 City/State/Zip: Portland, OR 97201

Telephone Number: 503.924.4704
 Fax No.: 503.943.6357

Project Manager: **Chris Luk**
 Project Name: White Hawk Additional Sampling
 Project Number: **2251-00**
 Analytical Lab: Apex Labs
 Report To: gluk@apexcos.com
 Page: 2 of 4
 Sampler Name: C. Luk



Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Ice	HNO ₃ (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H ₂ SO ₄ Plastic (Yellow Label)	H ₂ SO ₄ Glass (Yellow Label)	None (Black Label)	Other (Specify)	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (Specify)	Arsenic (EPA 6020)	Pesticides (EPA 8081A)	Analyze For:	Standard TAT	RUSH TAT (Pre-Schedule)	Send QC with report	Fax Results
SS-34 (0.5-1.0)	5/16/16	1545	1	X																							
CS-1 (0.5)	5/17/16	730	1	X																							
CS-1 (2.5)	5/17/16	735	1	X																							
CS-2 (0.5)	5/17/16	740	1	X																							
CS-2 (2.5)	5/17/16	745	1	X																							
CS-3 (0.5)	5/17/16	755	1	X																							
CS-3 (2.5)	5/17/16	800	1	X																							
CS-4 (0.5)	5/17/16	810	1	X																							
CS-4 (2.5)	5/17/16	815	1	X																							

Special Instructions:
H = Hold for analysis

Hold extra sample	Date	Time	Method of Shipment:	Date	Time
Relinquished by: Name/Company	5/19/16	1121	Received by: Name/Company	5/18/16	1100
Relinquished by: Name/Company			Received by: Name/Company		
Relinquished by: Name/Company			Received by: Name/Company		
Relinquished by: Name/Company			Received by: Name/Company		

Philip Nerenberg

Apex Companies, LLC
 3015 SW First Avenue
 Portland, OR 97201

Project: **White Hawk Additional Sampling**
 Project Number: 2251-00
 Project Manager: Chris Luk

Reported:
 06/03/16 10:10

Telephone Number: 503.924.4704
 Fax No.: 503.943.6357
 Analytical Lab: Apex Labs

Report To: cluk@apexcos.com
 Page: 3 of 4

Client Name: Apex
 Address: 3015 SW First Ave
 City/State/Zip: Portland, OR 97201

Project Manager: **Chris Luk**
 Project Name: White Hawk Additional Sampling
 Project Number: **2251-00**
 Sampler Name: C. Luk



Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Composite	Field Filtered	Ice	HNO ₃ (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H ₂ SO ₄ Fissic (Yellow Label)	H ₂ SO ₄ Glass (Yellow Label)	None (Black Label)	Other (Specify)	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Asenic (EPA 6020)	Pesticides (EPA 8081A)	Analyze For:	Standard FAT	RUSH FAT (Pre-Schedule)	Fax Results	Send QC with report
CS-5 (0.5)	5/17/16	820	1	X																						
CS-5 (2.5)	5/17/16	825	1	X																						
CS-6 (0.5)	5/17/16	835	1	X																						
CS-6 (2.5)	5/17/16	840	1	X																						
CS-7 (0.5)	5/17/16	850	1	X																						
CS-7 (2.5)	5/17/16	855	1	X																						
CS-8 (0.5)	5/17/16	905	1	X																						
CS-8 (2.5)	5/17/16	910	1	X																						
CS-9 (0.5)	5/17/16	920	1	X																						
CS-9 (2.5)	5/17/16	925	1	X																						

Philip Nerenberg

Appendix I

ProUCL Results and Input

Phase 1 id	Phase 1	D_Phase 1
TP25	5.17	1
TP27	6.22	1
TP26	4.18	1
tp31	5.77	1
TP35	4.54	1
TP38	8.81	1
TP34	4.4	1
TP30	4.99	1
BG1	5.5	1
TP29	18.5	1
TP33	5.84	1
TP37	4.43	1
TP36	5.03	1
TP32	4.15	1
BG2	7.88	1
ss-24	1.07	1
s-28	2.63	1

Phase 2 id	Phase 2	D_Phase 2
SS23	14.8	1
SS22	11.2	1
SS21	10	1
TP21	5.49	1
TP20	5.69	1
TP25	5.17	1
TP22	6.04	1
TP23	11.8	1
TP27	6.22	1
TP26	4.18	1
TP24	2.27	1
TP28	5.22	1
SS11	14.7	1
SS10	14.2	1
SS9	20.3	1
TP19	5.53	1
SS20	8.67	1
SS13	17.4	1
SS14	6.62	1
SS15	9.02	1
SS16	11	1
ss-26	3.99	1
ss-25	8.82	1

Sample ID	Arsenic (m μ D_Arsenic	
ss-1	19.3	1
SS-17	13.8	1
SS-18	10	1
SS-19	6.02	1
TP-17	6.07	1
SS-20	8.67	1
TP-19	5.53	1
TP-16	5	1
TP-14	4.33	1
TP-18	24.6	1
TP-12-0.5	10.8	1
TP-13	25.5	1
TP-12-2.0	21.6	1
TP-13-2.0	33.5	1
TP-15-2.0	5.47	1
TP-14-2.0	13.8	1
TP-16-2.0	5.54	1
TP-17-2.0	5.49	1
TP-18-2.0	5.7	1
ss-27	3.97	1
COMP-0.5	11.7	1

A	B	C	D	E	F	G	H	I	J	K	L
1	UCL Statistics for Data Sets with Non-Detects										
2											
3	User Selected Options										
4	Date/Time of Computation		6/9/2016 2:10:57 PM								
5	From File		20160608_whiteHawk_PROUCL_c.xls								
6	Full Precision		OFF								
7	Confidence Coefficient		95%								
8	Number of Bootstrap Operations		2000								
9											
10											
11	phase 3										
12											
13	General Statistics										
14	Total Number of Observations			22		Number of Distinct Observations			20		
15						Number of Missing Observations			0		
16	Minimum			1.5		Mean			8.656		
17	Maximum			24.6		Median			6.045		
18	SD			5.399		Std. Error of Mean			1.151		
19	Coefficient of Variation			0.624		Skewness			1.582		
20											
21	Normal GOF Test										
22	Shapiro Wilk Test Statistic			0.842		Shapiro Wilk GOF Test					
23	5% Shapiro Wilk Critical Value			0.911		Data Not Normal at 5% Significance Level					
24	Lilliefors Test Statistic			0.229		Lilliefors GOF Test					
25	5% Lilliefors Critical Value			0.189		Data Not Normal at 5% Significance Level					
26	Data Not Normal at 5% Significance Level										
27											
28	Assuming Normal Distribution										
29	95% Normal UCL					95% UCLs (Adjusted for Skewness)					
30	95% Student's-t UCL			10.64		95% Adjusted-CLT UCL (Chen-1995)			10.96		
31						95% Modified-t UCL (Johnson-1978)			10.7		
32											
33	Gamma GOF Test										
34	A-D Test Statistic			0.656		Anderson-Darling Gamma GOF Test					
35	5% A-D Critical Value			0.749		Detected data appear Gamma Distributed at 5% Significance Level					
36	K-S Test Statistic			0.201		Kolmogrov-Smirnoff Gamma GOF Test					
37	5% K-S Critical Value			0.187		Data Not Gamma Distributed at 5% Significance Level					
38	Detected data follow Appr. Gamma Distribution at 5% Significance Level										
39											
40	Gamma Statistics										
41	k hat (MLE)			3.147		k star (bias corrected MLE)			2.748		
42	Theta hat (MLE)			2.751		Theta star (bias corrected MLE)			3.15		
43	nu hat (MLE)			138.5		nu star (bias corrected)			120.9		
44	MLE Mean (bias corrected)			8.656		MLE Sd (bias corrected)			5.221		
45						Approximate Chi Square Value (0.05)			96.53		
46	Adjusted Level of Significance			0.0386		Adjusted Chi Square Value			94.9		
47											
48	Assuming Gamma Distribution										
49	95% Approximate Gamma UCL (use when n>=50)			10.84		95% Adjusted Gamma UCL (use when n<50)			11.03		
50											
51	Lognormal GOF Test										
52	Shapiro Wilk Test Statistic			0.943		Shapiro Wilk Lognormal GOF Test					

	A	B	C	D	E	F	G	H	I	J	K	L	
53	5% Shapiro Wilk Critical Value				0.911	Data appear Lognormal at 5% Significance Level							
54	Lilliefors Test Statistic				0.168	Lilliefors Lognormal GOF Test							
55	5% Lilliefors Critical Value				0.189	Data appear Lognormal at 5% Significance Level							
56	Data appear Lognormal at 5% Significance Level												
57													
58	Lognormal Statistics												
59	Minimum of Logged Data				0.405	Mean of logged Data				1.991			
60	Maximum of Logged Data				3.203	SD of logged Data				0.602			
61													
62	Assuming Lognormal Distribution												
63	95% H-UCL				11.57	90% Chebyshev (MVUE) UCL				12.23			
64	95% Chebyshev (MVUE) UCL				13.83	97.5% Chebyshev (MVUE) UCL				16.05			
65	99% Chebyshev (MVUE) UCL				20.41								
66													
67	Nonparametric Distribution Free UCL Statistics												
68	Data appear to follow a Discernible Distribution at 5% Significance Level												
69													
70	Nonparametric Distribution Free UCLs												
71	95% CLT UCL				10.55	95% Jackknife UCL				10.64			
72	95% Standard Bootstrap UCL				10.5	95% Bootstrap-t UCL				11.39			
73	95% Hall's Bootstrap UCL				12.07	95% Percentile Bootstrap UCL				10.62			
74	95% BCA Bootstrap UCL				10.99								
75	90% Chebyshev(Mean, Sd) UCL				12.11	95% Chebyshev(Mean, Sd) UCL				13.67			
76	97.5% Chebyshev(Mean, Sd) UCL				15.84	99% Chebyshev(Mean, Sd) UCL				20.11			
77													
78	Suggested UCL to Use												
79	95% Adjusted Gamma UCL				11.03								
80													
81	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.												
82	These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)												
83	and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.												
84	For additional insight the user may want to consult a statistician.												
85													

Appendix J

Arsenic Bioavailability Source Material

EXAMPLES (residential exposure scenarios)

Location	Arsenic Source(s)	RBA used for risk assessment	Soil cleanup level (mg/Kg)
Eureka Mills Site, Utah (Washington, 2002)	Mine waste	0.55	70
Vasquez Blvd/I-70 Site, North Denver, Colorado (EPA, 2003)	Smelter emissions, pesticides	0.42	20
Anaconda, Montana (Walker and Griffin, 1998)	Smelter emissions, tailings	0.18	250
National Zinc Site, Oklahoma (ODEQ, 1994)	Mine waste	0.25	60

Soil-Arsenic RBA Values and Residential Soil Cleanup Levels

Site Location and Reference	Arsenic Source(s)	RBA used for risk assessment	Soil cleanup level (mg/Kg)
Eureka Mills Site, Utah (Washington, 2002)	Mine waste	0.55	70
Palmerton, Pennsylvania (USEPA, 1998)	Mine waste (tailings, smelter emissions)	0.44	
Vasquez Blvd/I-70 Site, North Denver, Colorado (EPA, 2003)	Smelter emissions, consumer pesticide use	0.42	20
National Zinc Site, Bartlesville, Oklahoma (ODEQ, 1994)	Zinc smelter emissions	0.25	60
Anaconda Smelter, Anaconda, Montana (USEPA and MDEQ, 1996; Freeman et al., 1995)	Smelter emissions, tailings	0.18	250 (non-residential)
Crego Park Site, Lansing, Michigan (MDEQ, 1995)	Industrial chemicals (source was not determined with certainty)	0.10	68

Note: Default RBA = 1.0 (100%)

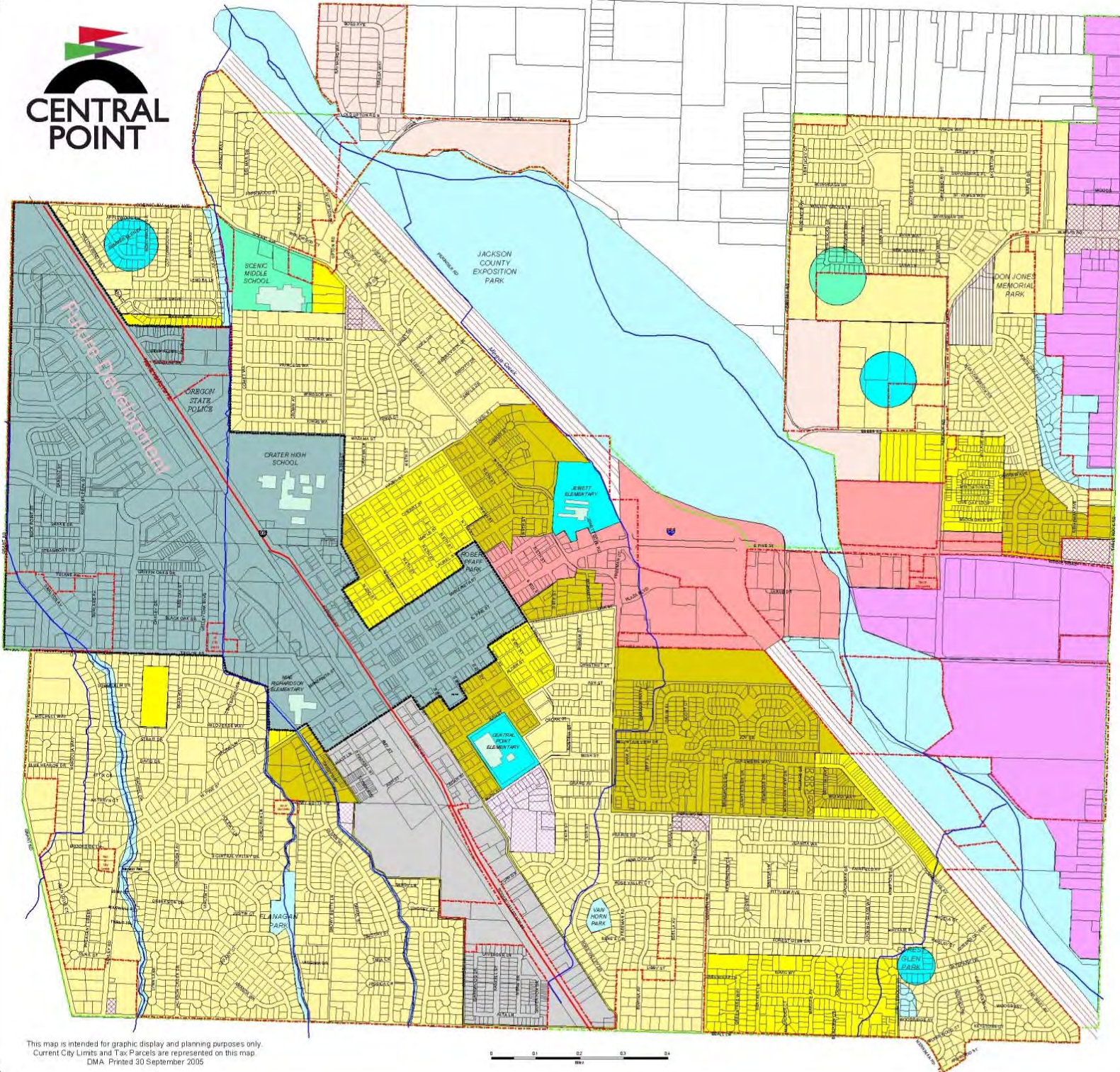
Freeman, G.B., R.A. Schoof, M.V. Ruby, A.O. Davis, J.A. Dill, S.C. Liao, C.A. Lapin, and P.D. Bergstrom, 1995. Bioavailability of arsenic in soil and house dust impacted by smelter activities following oral administration in cynomolgus monkeys. *Fund Appl. Toxicol* 28:215-222.

Michigan Department of Environmental Quality, 1995. Interoffice communication from L.D. Larson (toxicologist) to B. Cowles, dated February 24, 1995, regarding Ralph Credo Park site in Lansing, MI.

- Oklahoma Department of Environmental Quality, 1994. Record of Decision. Operable Unit One of the National Zinc Site, Bartlesville, OK. ODEQ, Tulsa, OK.
- U.S. EPA, 1998. Final Risk Assessment Report for the Palmerton Zinc Site, US Environmental Protection Agency Region 3, Philadelphia, PA.
- U.S. EPA, 2003. Record of Decision. Operable Unit 1 Residential Soils, Vasquez Boulevard/Interstate 70 Superfund Site, Denver, CO. U.S. Environmental Protection Agency Region 8, Denver, CO.
- U.S. EPA and Montana Department of Environmental Quality, 1996. Record of Decision. Community Soils Operable Unit, Anaconda Smelter NPL Site, Anaconda, Montana. U.S. Environmental Protection Agency, Region 8, Montana Office, Helena, MT and Montana DEQ, Helena, MT.
- Walker, S. and Griffin, S. (1998). Site-specific data confirm arsenic exposure predicted by the U.S. Environmental Protection Agency. *Environ Health Perspective* 106:133-139.
- Washington Group International, Inc. 2002. Draft feasibility study report for Operable Units 1–4 at the Eureka Mills Site, Eureka, Utah. Prepared for the US Environmental Protection Agency, Region VIII. Response Action Contract Number 68-W7-0039. 2002 May 8.

Appendix K

City of Central Point Comprehensive Plan



Comprehensive Plan

TOD

- TOD Corridor
- TOD District

Commercial

- Neighborhood Convenience Center
- Thoroughfare Commercial
- Tourist and Office Professional

Residential

- Residential Low Density
- Low Density
- Medium Density
- High Density

Industrial

- General
- Light

Public

- Cemetery
- Elementary School
- High School
- Junior High
- Parks and Open Space

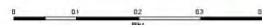
TOD Boundry

- TOD Corridor
- TOD District
- Parks
- Railroad
- City Hall/Police
- Fire Department
- School Buildings
- UGB
- City Limits
- Streams



Comp Plan Revised
September 28, 2000

This map is intended for graphic display and planning purposes only.
Current City Limits and Tax Parcels are represented on this map.
DMA. Printed 30 September 2005



Appendix B

DEQ Approval of ICP Report and Recommendations



Oregon

Kate Brown, Governor

Department of Environmental Quality

Western Region Eugene Office

165 E. 7th Avenue

Eugene, OR 97401

(541) 686-7838

FAX (541) 686-7551

TTY (541) 687-5603

July 14, 2016

Ken Trautman
People's Bank of Commerce
1311 East Barnett Rd
Medford, OR 97504

Re: White Hawk Development

Dear Mr. Trautman:

DEQ has reviewed the June 13, 2016 Independent Cleanup Program Report for the proposed housing development at the former orchard located at 718 Beebe Road in Central Point.

DEQ supports the project as long as the proposed work is carried out as described in the ICP Report, plus some additional measures. Those additional measures are:

1. The hatched area in the Phase 3 area shown on Figure 10 of the ICP Report must be excavated down to two feet depth. This is necessary to ensure that individual homeowner exposures to arsenic in soil will be less than the region background value. The excavated soil may be placed under the cap in the former orchard area.
2. The northern boundary of the site adjacent to the playground area must have a cyclone-type fence at least six feet high installed.
3. The road currently on or near the northern property boundary must be either capped with at least 6 inches of gravel or paved.
4. A detailed and robust Soil Management Plan that can be approved by DEQ must be developed.
5. An Easement and Equitable Servitudes detailing approved uses for the property must be drafted by DEQ, signed by the property owner and notarized and then recorded on the property deed. The EES will need to detail roles and responsibilities for the Phase 2 playground area that will be transferred to the City of Central Point. The EES will have the SMP attached. The EES will have a requirement for an annual inspection and letter report for the cap/playground area.

Once the remedial actions detailed in the ICP Report have been completed and the additional steps outlined above are fully implemented, DEQ can then recommend a conditional no further action determination for the site. After that recommendation is made in a staff memo, DEQ will request public comment on the recommendation. Once public comments (if any) have been adequately addressed, DEQ will be able to issue a conditional no further action letter.

If you have any questions, please call me at 541-687-7348.

Sincerely,

Norman Read, RG

Western Region Voluntary Cleanup

Appendix C

Template for Cap Inspection Reporting Form

INSPECTION DATE _____

WEATHER _____

INSPECTOR'S NAME AND TITLE _____
(Print Name)

(Title)

Criteria		Yes	No	
1 Cap Integrity - landscape areas				
A. Is vegetation degrading the integrity of the cap?				
If yes	Identify the extent of the damage; attach photographs			
	Identify the corrective action taken and date completed.			
B. Is vegetation hindering thorough inspection of the cap?				
If yes	Identify corrective action taken and date completed.			
2 Cap Integrity - hardscape areas				
A. Are there cracks, defects, excess weathering or other visual signs of cap deterioration?				
If yes	Identify the extent and location (e.g., length and depth of cracks, etc)			
	Attach photographs			
B.	If yes to (A), does identified defect threaten integrity of the cap?			
If yes	Identify the corrective action and date completed.			
C. Is there any disturbance adjacent to the cap that threatens the cap integrity?				
If yes	Identify the cause of the disturbance			
	Identify the extent of the damage			
	Identify the recommended corrective action			
4 Planned Cap Breaches				
A. Did any planned disturbances of the cap occur in the past year? (e.g., excavation or trenching through the cap)				
If yes	Describe the work completed			
	Was the SMP followed?			
	Was the cap repaired in accordance with the SMP?			
	Was waste soil from below the cap generated, and if so, what volume and how was it disposed of?			

Criteria	Yes	No	
----------	-----	----	--

5 Photo Log

Spray paint or mark any deficiencies that required repair and photograph
Photograph overall view of capped area
Attach photographs to this inspection form.

6 Repairs

Document and photograph repairs
Attach photographs and any additional documentation to this inspection form.

7 Notes

TABLE 1: SUMMARY OF WELL SURVEY RESULTS

Parcel Index	MAP	TAX LOT	Site Num	Site St	Owner	Owner Address (if different from Site Address)	Date Survey sent	Survey Returned?	Well?	Well Depth	Date Installed	Notes
1	372W02	400	No Address			6026 Palmero Cir Cameron Park, CA 95682	Survey sent 12/15	12/22/2015 1/25/2016	N	NA	NA	Undeveloped land
2	372W02	500	No Address			10 S Oakdale Ave Medford, OR 97501	Survey sent 3/3/16	3/11/2016	N	NA	NA	Undeveloped land
3	372W02	2500	4757	Gebhard	Karen and Randall Wales		Survey sent 12/15	12/28/2015	Y	unknown	unknown	domestic use and yard/gardening
4	372W02	600	No Address			1355 Cora Ln Auburn, CA 95603	Survey sent 3/3/16	3/11/2016	N	NA	NA	Undeveloped land
5	372W02	2601	4617	Gebhard	David & Julie Webb		Survey sent 12/15	12/30/2015	Y	35 feet bgs	1930?	domestic use and yard/gardening/orchard
6	372W02	2600	4613	Gebhard	Sergio Mejia		Survey sent 12/15 Resent 3/3/16	N				Survey not completed but OWRD well log found dated 5/4/2012 for a 140 foot well
7	372W02	2602	4603	Gebhard	William Jeshke		Survey sent 12/15 Resent 3/3/16	N				
8	372W02D	501	No Address			PO Box 996 Medford, OR 97501	Survey sent 12/15 Resent 3/3/16	3/11/2016	N			Undeveloped land
10	372W02D	300	587	Beebe	Ken Beebe?		Survey sent 12/15 Resent 3/3/16	N				Completed Survey not received but 3 OWRD well logs identified - See Table 2
11	372W02D	200	511	Beebe	Mingus		Survey sent 3/3/16	N				Completed Survey not received but 3 OWRD well logs identified - See Table 2
12	372W01C	2500	507	Beebe	Terry & Harley Callahan		Survey sent 12/15 Resent 3/3/16	N				
13	372W01C	2400	495	Beebe	James and Michelle Nistler		Survey sent 12/15 Resent 3/3/16	N				
14	372W01C	2300	477	Beebe	Michelle Nistler		Survey sent 12/15 Resent 3/3/16	N				
15	372W01C	2301	445	Beebe	Charlotte Holder		Survey sent 12/15 Resent 3/3/16	1/11/2016	Y	50 feet	1998	lawn, gardening, watering orchard, fire abatement
16	372W01C	2200	443	Beebe	Rita Deann Tyner		Survey sent 12/15 Resent 3/3/16	N				
17	372W01C	1700	4511	Hamrick	James Sutton		Survey sent 12/15 Resent 3/3/16	N				
18	372W01C	1800	4497	Hamrick	Nick Kenneth Lee		Survey sent 12/15 Resent 3/3/16	N				
19	372W01CB	1100	4475	Hamrick	Gladys Muse		Survey sent 12/15 Resent 3/3/16	N				
20	372W01CB	1000	4461	Hamrick	Richard Smith		Survey sent 12/15 Resent 3/3/16	N				

21	372W01CB	900	4439	Hamrick	Humphrey&Windsor LLC		Survey sent 12/15 Resent 3/3/16	N				
22	372W01BC	10100	446	Beebe			Survey sent 3/3/16	N				
23	372W01BC	10200	444	Beebe			Survey sent 3/3/16	N				
24	372W01BC	10000	4615	Hamrick	Edic Sliva		Survey sent 12/15 Resent 3/3/16	N				
25	372W01BC	9800	4630	Hamrick	CA Galpin		Survey sent 12/15 Resent 3/3/16	N				
26	372W01BC	9900	456	Beebe	Picollo LLC		Survey sent 12/15 Resent 3/3/16	N				
27	372W02	3100	600	Beebe	Shepherd of the Valley Catholic Church		Survey sent 12/15 Resent 3/3/16	N				Completed Survey not received but OWRD well log identified - See Table 2
28	372W02	3000	628	Beebe	Dino Picollo		Survey sent 12/15	12/23/2015	2 wells	1 - 12 feet 2 - 34 feet	1 - Unknown 2 - 1940ish	one well at back of lot used for irrigation; second well shared with 523 Beebe for domestic and irrigation OWRD well log from 2/17/1983 for a 60 foot well - see Table 2
30	372W02	200	4848	Gebhard	Steve & Carolyn Himmelman		Survey sent 12/15	1/5/2016	Y	15 feet	unknown	hand dug well domestic use/irrigation/stock watering OWRD well log found from 10/11/1994 for a 100 foot well
31	372W02AA	2800	4920	Gebhard			Survey sent 3/3/16	N				

Note: yellow highlighted: surveys were returned because the post office could not deliver

TABLE 2: OWRD SURVEY RESULTS

Parcel Index	MAP	TAX LOT	Site Num	Site St	Owner	Well Log #	Well Depth	Date Installed
1	372W02	400	No Address			None	NA	NA
2	372W02	500	No Address			None	NA	NA
3	372W02	2500	4757	Gebhard		None	unknown	unknown
4	372W02	600	No Address			None	NA	NA
5	372W02	2601	4617	Gebhard		None	35 feet bgs	1930?
6	372W02	2600	4613	Gebhard	Sergio Mejia	JACK61181	140 feet	5/4/2012
7	372W02	2602	4603	Gebhard	William Jeshke	None		
8	372W02D	501	No Address			None		
10	372W02D	300	587	Beebe	Ken Beebe?	JACK12262	12 feet	1965 and 1966
						JACK12264	66.5 feet	
						JACK12261	13 feet	
11	372W02D	200	511	Beebe	Mingus	JACK52926	204 feet	1999
						JACK55868	56 feet	2003
						JACK52660	59 feet	1998
12	372W01C	2500	507	Beebe	Terry & Harley Callahan	None		
13	372W01C	2400	495	Beebe	James and Michelle Nistler	None		
14	372W01C	2300	477	Beebe	Michelle Nistler	None		
15	372W01C	2301	445	Beebe	Charlotte Holder	None	50 feet	1998

16	372W01C	2200	443	Beebe	Rita Deann Tyner	None		
17	372W01C	1700	4511	Hamrick	James Sutton	None		
18	372W01C	1800	4497	Hamrick	Nick Kenneth Lee	None		
19	372W01CB	1100	4475	Hamrick	Gladys Muse	None		
20	372W01CB	1000	4461	Hamrick	Richard Smith	None		
21	372W01CB	900	4439	Hamrick	Humphrey&Windsor LLC	None		
22	372W01BC	10100	446	Beebe		None		
23	372W01BC	10200	444	Beebe		None		
24	372W01BC	10000	4615	Hamrick	Edic Sliva	None		
25	372W01BC	9800	4630	Hamrick	CA Galpin	None		
26	372W01BC	9900	456	Beebe	Picollo LLC	None		
27	372W02	3100	600	Beebe	Shepherd of the Valley Catholic Church	JACK30394	90 feet	1990
28	372W02	3000	628	Beebe	Dino Picollo	JACK12241	60 feet	1983
30	372W02	200	4848	Gebhard	Steve Himmelman	JACK33759	100 feet	1994
31	372W02AA	2800	4920	Gebhard		None		

Notes
domestic use and yard/gardening well onsite based on Well Survey (see Table 1)
domestic use and yard/gardening/orchard well onsite based on Well Survey (see Table 1)
sealed from 0 to 50 feet below grade; screened from 50 to 140 feet below grade
sealed 0 to 9 feet
sealed 0 to 20 feet
sealed 0 to 9 feet
sealed 0 to 59?
Sealed 0 to 27 feet
sealed 0 to 20 feet
lawn, gardening, watering orchard, fire abatement well onsite based on Well Survey (see Table 1)

Deepening of an existing well from 68 to 90 feet
Deepening of an existing well from 35 feet to 60 feet. Sealed from 0 to 35 feet.
sealed 0 to 35 feet