DRAFT

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

Prepared for:
Duncan Development LLC

October 17, 2006
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Ash Creek Associates, Inc.
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Executive Summary

Duncan Development LLC plans to purchase and develop 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 Report was prepared for and is submitted on behalf of Duncan Development LLC, 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 in the vicinity of the former orchard. A second soil sampling event was conducted in April 2006. That sampling event focused on the area of the property that was not used as an orchard. Results indicate that soil directly adjacent to the former orchard area has been impacted by the lead arsenate usage, but soil farther than approximately 120 feet from the orchard and gravel access road bounding the site on the north has not been impacted. 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.

Based on a comparison of the 90 percent upper confidence levels (90UCL) of the mean concentration of arsenic to U.S. Environmental Protection Agency (EPA) Region 9 residential preliminary remediation goals (PRGs), there is potentially unacceptable risk, as defined by Oregon Administrative Rules (OAR 340-122-115[2; b]), posed by the soil impacted with arsenic in and adjacent to the former orchard area to future site residents.

A focused feasibility study of appropriate remedial alternatives was conducted for the soil in and near the former orchard area that has been impacted by the former lead arsenate usage. Based on the focused feasibility study, the following remedial action plan is recommended:

- Removal of impacted soil adjacent to the proposed park and placement in the proposed park area;
- Regrading of non-impacted soil from the southern portion of the site into the removal areas to achieve development grades;
- 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 would likely be required for the park to ensure that the cap maintenance plan is continued into the future.

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1.0 Introduction

1.1 Project Introduction

Duncan Development LLC plans to purchase and 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 Duncan Development LLC, following Oregon Department of Environmental Quality (DEQ) guidance for ICP Report preparation.

1.2 Purpose and Objectives

Phase I and Phase II Environmental Site Assessments were completed by others, and identified that the northeast corner of the site was formerly used as an orchard. Lead arsenate was used as a pesticide in the orchard area. In 2005, limited site investigations were conducted and some metals and low concentrations of pesticides were detected 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).

Duncan Development LLC has 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. 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). 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. A house is located in the southwest corner of the site.

2.3 Site History and Facility Operations

2.3.1 Ownership History

The site is currently owned by Albert McMurray, who purchased the site in 1998. From 1939 to 1998, the site was owned by other members of the McMurray family.

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 faming, 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. Due to the presence of arsenic in site soil, the site was referred to the Voluntary Cleanup Program (VCP). The site was not regulated by the state or federal agencies prior to its entry into the VCP.

2.5 Previous Investigations

The following summarizes the investigations conducted by others at the site.

March 2005. An Environmental Transaction Screen 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 *deminimis* 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, and that risk of contamination is low or unlikely. 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 site as an orchard. A copy of the Environmental Transaction Screen 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 (EPA, 2004). No map of, or information about, 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.

3.0 Environmental Setting

3.1 Climate Information

Average annual precipitation in Central Point, Oregon is 18.37 inches (National Climatic Data Center website, 2005). The temperature ranges from an average low of approximately 37º F in January to an average high of approximately 68º F in July (National Climatic Data Center website, 2005).

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 Site Investigation

The results of previous investigations indicated the presence of arsenic in site soil at concentrations exceeding EPA's residential PRG. Further characterization was needed to determine the extent of arsenic related to the former lead arsenate use in the former orchard area, and to assess what actions, if any, would be needed to mitigate risk sufficiently to support the proposed site development. Ash Creek Associates conducted several investigations to meet this objective.

4.1 Scope of Work

4.1.1 Soil Investigations

Ash Creek Associates conducted an initial soil sampling event from November 9 through 11, 2005. The objective of this sampling event was to assess the extent of the impact of lead arsenate or other pesticide use in the former orchard area, and to assess whether other areas adjacent to the former orchard area may have been impacted. The scope of work consisted of:

- Collecting surface and shallow soil samples from 11 test pit locations within the former orchard area;

- Collecting surface soil samples from 23 additional locations within or adjacent to the former orchard area; and
- Collecting surface soil samples from two locations in the southwest portion of the site and four locations off the property.

Sample locations are shown on Figure 3 as TP-1 through TP-11, SS-1 through SS-23, and BG-1 and BG-2. Samples BG-3 through BG-6 were collected off-site and are not shown on Figure 3.

On April 17, 2006, Ash Creek Associates conducted an additional soil sampling investigation at the site. The objective of this sampling event was to characterize the extent of arsenic and lead in soil outside of the former orchard area. Twenty-four test pits were dug by backhoe and sampled during the April 2006 event. Four test pits were hand dug and sampled during the April 2006 event. The April 2006 sampling locations are shown in Figure 3 as TP-12 through TP-39.

4.1.1 Groundwater Investigation

On June 29, 2006, a groundwater investigation was conducted at the site. The objective of this sampling event was to determine if the groundwater beneath the site had been impacted by historic lead arsenate application in the former orchard area. Groundwater was collected at four locations, B-1 through B-4, which are shown on Figure 3. The locations were chosen to determine arsenic and lead concentrations both in groundwater migrating onto the property and groundwater leaving the property. Boring locations B-3 and B-4 were completed upgradient of the site. The remaining two borings were completed on the property, downgradient of the former orchard area.

4.2 Methods and Procedures

4.2.1 Soil Sampling Procedures

Shallow soil samples (i.e., no deeper than 4.0 feet bgs) were collected from test pits excavated by a backhoe and operator. The soil samples were collected from the sidewall of the each test pit. Within the former orchard area, soil samples were taken at 6-inch intervals, from 0.5 foot to 4.0 feet bgs. Test pits outside the former orchard area were completed to 2.0 feet bgs, and samples were collected at 6-inch intervals, from 0.5 to 1.0 foot bgs and 1.5 to 2.0 feet bgs. For sampling locations in close proximity to the house and barn at the site (TP-32, TP-33, TP-36, and TP-37), the test pits were hand dug using a clean shovel to avoid utilities, and samples were collected at 6-inch intervals, from 0.5 to 1.0 foot bgs and 1.5 to 2.0 feet bgs, wherever possible. Surface soil samples were collected at 6-inch depth intervals, from the ground surface to 0.5 foot bgs.

A stainless steel spoon was used to collect each soil sample, 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. 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.

4.2.2 Groundwater Sampling Procedures

Groundwater samples were collected by direct-push equipment at the four sampling locations shown on Figure 3. Soil was logged continuously over the depth of the borings. Boring logs are shown in Appendix D. Each boring was completed several feet below the first encountered groundwater and a temporary well point was installed in the boring. The temporary well point consisted of PVC pipe casing with a 5-foot screen at the bottom. Groundwater (as evidenced by wet soil) was encountered at approximately 10 feet below grade at borings B-2 and B-3, approximately 12 feet below grade at boring B-4, and approximately 15 feet below grade at boring B-1. Therefore, the screen was placed at a depth of 10 to 15 feet in borings B-2, B-3, and B-4, and at a depth of 15 to 20 feet below grade in boring B-1. Once the PVC was installed, groundwater equilibrated and depth to groundwater was measured and recorded on the boring log.

Groundwater samples were collected using a peristaltic pump with new tubing at each location. The groundwater samples were field filtered and carefully poured into laboratory supplied containers. The sample containers were labeled with sample ID, date, 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 TestAmerica, Inc. (formerly North Creek Analytical, Inc.) of Beaverton, Oregon for analysis. For the November 2005 soil sampling event, the samples were analyzed by EPA method 6020 for arsenic. Four of the samples were also analyzed for 17 metals by EPA Method 6020/7000 series and pesticides by EPA Method 8081A. For the April 2006 sampling event, the samples were analyzed for arsenic (EPA Method 6020); the 0.5 to 1.0 foot samples were also analyzed for lead (EPA Method 6020).

Groundwater samples were submitted to TestAmerica, Inc. in Beaverton, Oregon for analysis. The samples were analyzed for arsenic and lead by EPA Method 6020.

4.4 Results

4.4.1 Soil Sampling Results

Soil sampling results are listed in Tables 1 through 3; Table 1 lists the arsenic and lead results, Table 2 lists the results of the other metals analysis, and Table 3 lists the pesticide results. Figures 4 through 6 summarize arsenic and lead results.

Arsenic and lead were detected in all of the soil samples during both sampling events (Table 1). None of the lead concentrations exceeded the EPA residential PRG or the DEQ's risk-based concentration (RBC) for residential site use of 400 mg/kg. All of the arsenic concentrations exceeded the EPA residential PRG.

Several metals other than arsenic and lead were detected (Table 2). Four pesticide compounds (DDT, DDE, DDD, and dieldrin) were detected at low concentrations in three locations within the former orchard area.

The laboratory report and chain of custody documentation for the November 2005 sampling and analysis event are included in Appendix E; copies of the laboratory data sheets for the April 2006 sampling and analysis event are contained in Appendix F. An evaluation of the analytical results is provided in Section 5.2.

4.4.2 Groundwater Sampling Results

Groundwater samples were analyzed for lead and arsenic. Groundwater was not analyzed for other metals because the other metals appear to be naturally occurring (see Section 5.2 for more detail), and groundwater was not analyzed for pesticides because the detected pesticides are not readily leachable and will tend to adhere strongly to soil.

Lead was not detected in any of the groundwater samples. Arsenic was detected in the groundwater samples at low concentrations. Results of the analyses are summarized in Table 4 and on Figure 7. Arsenic concentrations in the samples collected upgradient of the site were essentially equivalent to concentrations downgradient of the former orchard area. Groundwater has not been impacted by the use of lead arsenate at the site. Copies of the laboratory data sheets are contained in Appendix G. A quality assurance/quality control (QA/QC) review of the laboratory data is included as Appendix H.

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, therefore this section describes the nature and extent in soil.

5.1 Nature and Source

Arsenic and lead are present in soil at the site (Table 1). In addition, several other metals (Table 2) and four pesticides were detected in soil.

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 significantly 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 PRG.

Arsenic. Figure 5 presents the arsenic results from samples collected outside of the former orchard area, and Figure 6 presents the arsenic results from samples collected within the former orchard area. 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 but still appear to be higher in soil directly adjacent to the orchard area and the northern boundary of the site (i.e., within 120 feet) than in other areas of the site more remote from the orchard.

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. Washington Department of Ecology (WDOE) funded a study to determine typical background metal concentrations in soil in Washington (WDOE, 1994). Because soil types are similar in Washington and Oregon, the results are considered representative of the Pacific Northwest. The statewide average background concentration of arsenic determined in the study was 7 mg/kg. Therefore, site concentrations were compared to this background level (referred to herein as “regional background”) to determine which

areas were impacted by the lead arsenate use and which areas have arsenic concentrations typical of regional background.

To assist in this analysis, the 90 percent upper confidence level of the mean arsenic concentration (90UCL) was estimated for different areas of the site. The US EPA's ProUCL analysis tool was used to estimate the 90UCLs. The highest concentrations were observed in the former orchard area and most concentrations exceeded regional background. The 90UCL for the former orchard area is approximately 33 mg/kg. Although not as elevated, most of the results within approximately 120 feet of the former orchard area and the gravel road that borders the site to the north, exceeded regional background. The 90UCL for this area is approximately 17 mg/kg. The arsenic concentrations across the remainder of the site are mostly below regional background and support that the activities in the former orchard area did not impact the soil in this area. The 90UCL of this remaining site area is 6.9 mg/kg, confirming that the arsenic levels in this soil fall within regional background levels. Copies of the input files and results of the 90UCL 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). With the exception of copper, the metals results are below regional background concentrations (using the Washington study described above) where detected; regional background concentrations for barium, cobalt, molybdenum, and vanadium were not available from the Washington study. The copper results were just slightly above regional background in three of the four samples (Table 2), and are likely consistent with regional background in the site vicinity. All of the metals (other than arsenic, as discussed above) are below EPA residential PRGs, with the exception of vanadium in two of the four samples. The detected vanadium concentrations ranged from 49 mg/kg to 82.3 mg/kg, with the maximum concentration just slightly above the residential PRG of 78 mg/kg. Regional background concentrations of vanadium in clayey alluvial soil typically ranges from 30 to 150 mg/kg, with a mean of 79 mg/kg (Kabata-Pendias and Pendias, 1984). Therefore, the vanadium levels in site soil appear to be within typical background concentrations. Based on this evaluation, it does not appear that previous activities in the former orchard area 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 (Table 3). DDE (at one location) and dieldrin slightly exceed residential PRGs. The low concentrations indicate that the extent of pesticides are limited and would not be anticipated outside of the former orchard area.

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 40 years or more and the site has been unpaved throughout that time. Therefore, sufficient time has passed for the presence of the arsenic to impact groundwater if the arsenic contained a leachable fraction. The lack of current impact to groundwater supports that the presence of arsenic 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 in the former orchard area, 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 stable and does not readily degrade. Arsenic is not broken down or destroyed in the environment because it is an element, but can be 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. The process by which arsenic is transformed between oxidation states and species is known as the arsenic cycle. This cycle is influenced by biotic and abiotic processes in the environment which control its overall fate (U.S. Department of Health and Human Services, 2003a). Most forms of arsenic are relatively immobile in soil. Based on groundwater sampling results, the form of arsenic present in the site soil is largely immobile and insoluble.

Like arsenic, lead is stable and does not readily degrade. Because it is an element, lead is not broken down or destroyed in the environment, but can be transformed from one form to another. Similar to arsenic, lead speciation in soils is influenced by the properties of the soil. Chemical and biotic processes transform anthropogenic sources (e.g. lead arsenate) of lead 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 4.3, 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 and within 120 feet of the orchard and gravel road that borders the site on the north. 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, a church, and a young peach orchard. 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 8 shows a plan of the proposed development. The planned development consists of 68 townhomes and associated roadways and other infrastructure. 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 40 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 9.

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, and in some soil directly outside of the former orchard area, could pose a potential cancer risk to future site residents in excess of DEQ's $1x10^{-6}$ acceptable risk level. The 90UCL for arsenic concentrations in the former orchard area is 33 mg/kg, which exceeds regional background levels of 7 mg/kg and the residential PRG for arsenic of 0.39 mg/kg. The 90UCL for arsenic in soil directly outside of the orchard area is 17 mg/kg, which also exceeds regional background levels and the residential PRG. Because the UCLs for these soils were almost two orders of magnitude above the PRG, further detailed risk assessment was not considered appropriate, and 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 $1x10^{-6}$. Section 10 provides a focused feasibility study to assess and select an appropriate remedy.

Soil further than about 120 feet from the former orchard area and the northern site boundary has not been impacted by the use of lead arsenate. The 90UCL for these soils is 6.9 mg/kg, and therefore, within regional background levels. No remedial action of these soils is needed to protect future residents 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 or near the former orchard area. Remedial action alternatives were evaluated for these soils. 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.). Furthermore, it was recognized that different actions may be appropriate for the future park area versus the area directly outside of the former orchard area that is to be developed as residential. Therefore, the park area was designated as Area A, and the areas requiring remedial action that lie outside of the proposed park area were designated as Area B. Areas requiring no remedial action were designated Area C. These areas are shown on Figure 10.

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 both Areas A and B shown 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 3 feet bgs over the soil management areas represented by Areas A and B (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 for all of the remedial action areas (i.e., Areas A and B). However, portions of the site could be excavated and the soil placed in other areas of the site that will be capped.

10.3 Recommended Remedial Action

A remedial action that combines both capping and removal is recommended. Specifically, the remedial action plan would entail:

- Removal of impacted soil in Area B and placement into Area A;
- Utilization of excess soil in Area C (the non-remedial action area) to bring Area B back to appropriate grades required by the site development (fill soil would be imported if insufficient excess soil is available from Area C);
- 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

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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
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
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
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
	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
Lead	11.6	--	9.58	18.0	--	4.59	--	6.26	--	10.5	6.94	27.5	--	13.4	--

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 [4].	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			
	Concentration in mg/kg (ppm)						
Antimony	<0.485	<0.505	<0.495	<0.476		5	--
Barium	190	170	199	108		na	5,400
Beryllium	0.532	<0.505	0.500	<0.476		2	150
Cadmium	<0.485	<0.505	<0.495	<0.476		1	--
Chromium	28.6	26.5	31.3	16.3		42	210
Cobalt	15.2	13.7	15.2	8.10		na	900
Copper	38.0	42.3	42.7	18.2		36	3,100
Mercury	<0.0846	<0.088	<0.0829	<0.0717		0.07	--
Molybdenum	<2.43	<3.03	<2.97	<2.86		na	--
Nickel	18.8	16.1	18.9	10.0		38	1,600
Selenium	0.569	<0.505	<0.495	<0.476		0.8	390
Silver	<0.485	<0.505	<0.495	<0.476		0.6	--
Thallium	<0.485	<0.505	<0.495	<0.476		<5	--
Vanadium	82.3	72.7	81.2	49.0		na	78
Zinc	72.1	72.0	81.7	40.2		86	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	TP-4/S-2	SS-2	SS-8	BG-4	Region 9 EPA
Date	11/9/2005	11/10/2005	11/11/2005	11/11/2005	Residential
Depth (feet)	2 - 2.5	0 - 0.5	0 - 0.5	0 - 0.5	PRGs [5.]
	Concentration in µg/kg (ppb)				
Aldrin	<8.37	<8.15	<8.83	<7.61	--
alpha-BHC	<8.37	<8.15	<8.83	<7.61	--
beta-BHC	<8.37	<8.15	<8.83	<7.61	--
delta-BHC	<8.37	<8.15	<8.83	<7.61	--
gamma-BHC (lindane)	<8.37	<8.15	<8.83	<7.61	--
gamma-Chlordane	<8.37	<8.15	<8.83	<7.61	--
alpha-Chlordane	<8.37	<8.15	<8.83	<7.61	--
Chlordane (tech)	<187	<183	<198	<170	--
4,4'-DDD	67.3	57.6	34.9	<7.61	2,400
4,4'-DDE	624	990	1,960	<7.61	1,700
4,4'-DDT	412	634	1,110	<7.61	1,700
Dieldrin	76.8	115	103	<7.61	30
Endosulfan I	<8.37	<8.15	<8.83	<7.61	--
Endosulfan II	<8.37	<8.15	<8.83	<7.61	--
Endosulfan Sulfate	<8.37	<8.15	<8.83	<7.61	--
Endrin	<8.37	<8.15	<8.83	<7.61	--
Endrin Aldehyde	<8.37	<8.15	<8.83	<7.61	--
Endrin Ketone	<8.37	<8.15	<8.83	<7.61	--
Heptachlor	<8.37	<8.15	<8.83	<7.61	--
Heptachlor Epoxide	<8.37	<8.15	<8.83	<7.61	--
Methoxychlor	<41.8	<40.8	16.0	<7.61	310
Toxaphene	<250	<243	<264	<227	--

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. -- = Not applicable. Analyte not detected in any sample, so no comparison to PRG necessary.
5. Source: Environmental Protection Agency. Region 9 Preliminary Remediation Goals Table. October 2004.

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

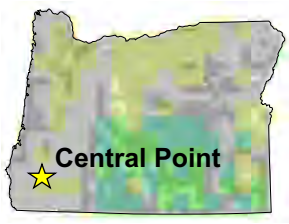
Notes:

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.

0 2000 4000

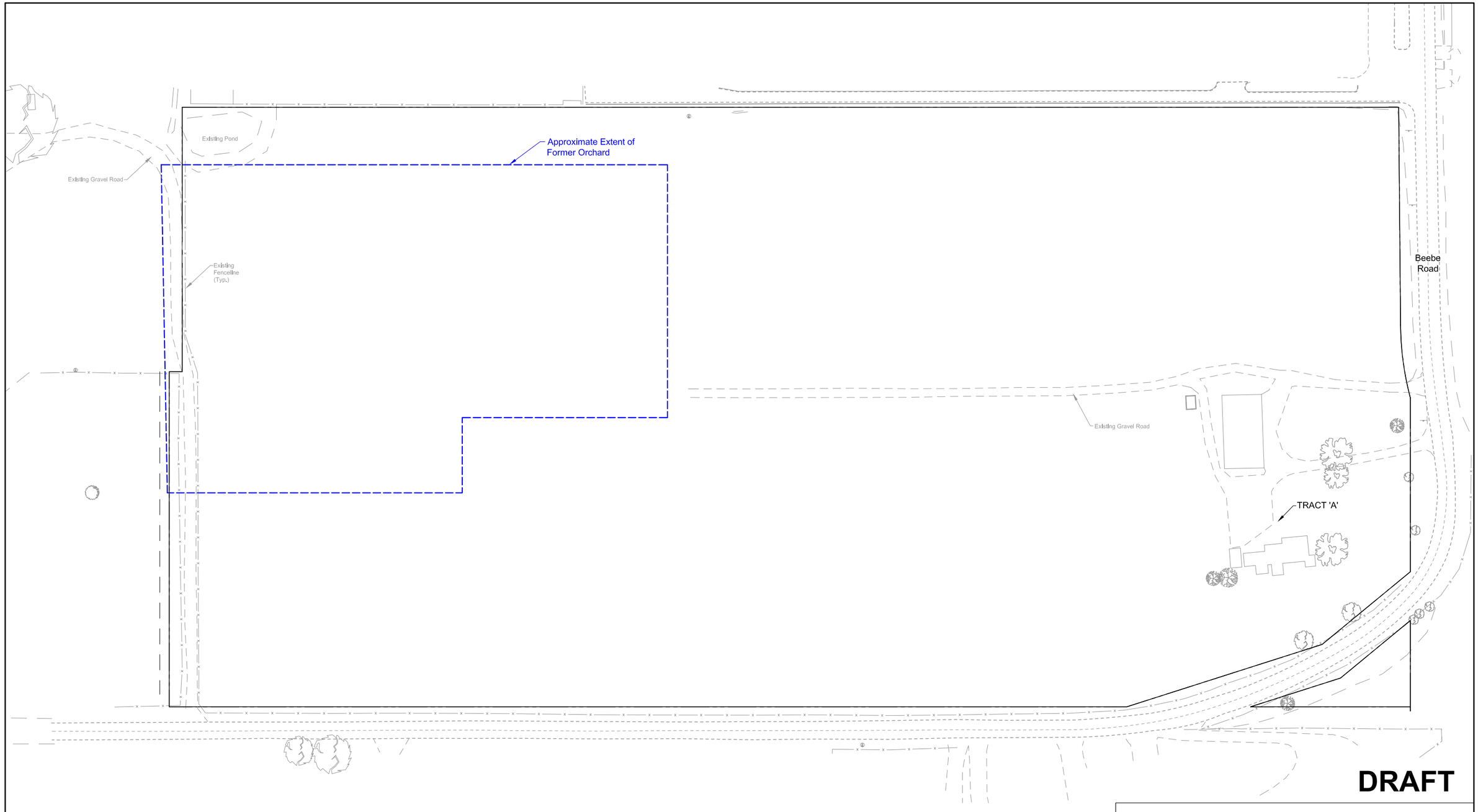
Scale in Feet



Site Location Map

Voluntary Cleanup Program Results Report
Duncan Development LLC
Central Point, Oregon

Ash Creek Associates, Inc. Environmental and Geotechnical Consultants	Project Number 1141-00	Figure 1
	October 2006	



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Notes:

1. Base map supplied by CES|NW, dated 2005.
2. Orchard boundary estimated from 1939 historical aerial photograph by CES|NW.

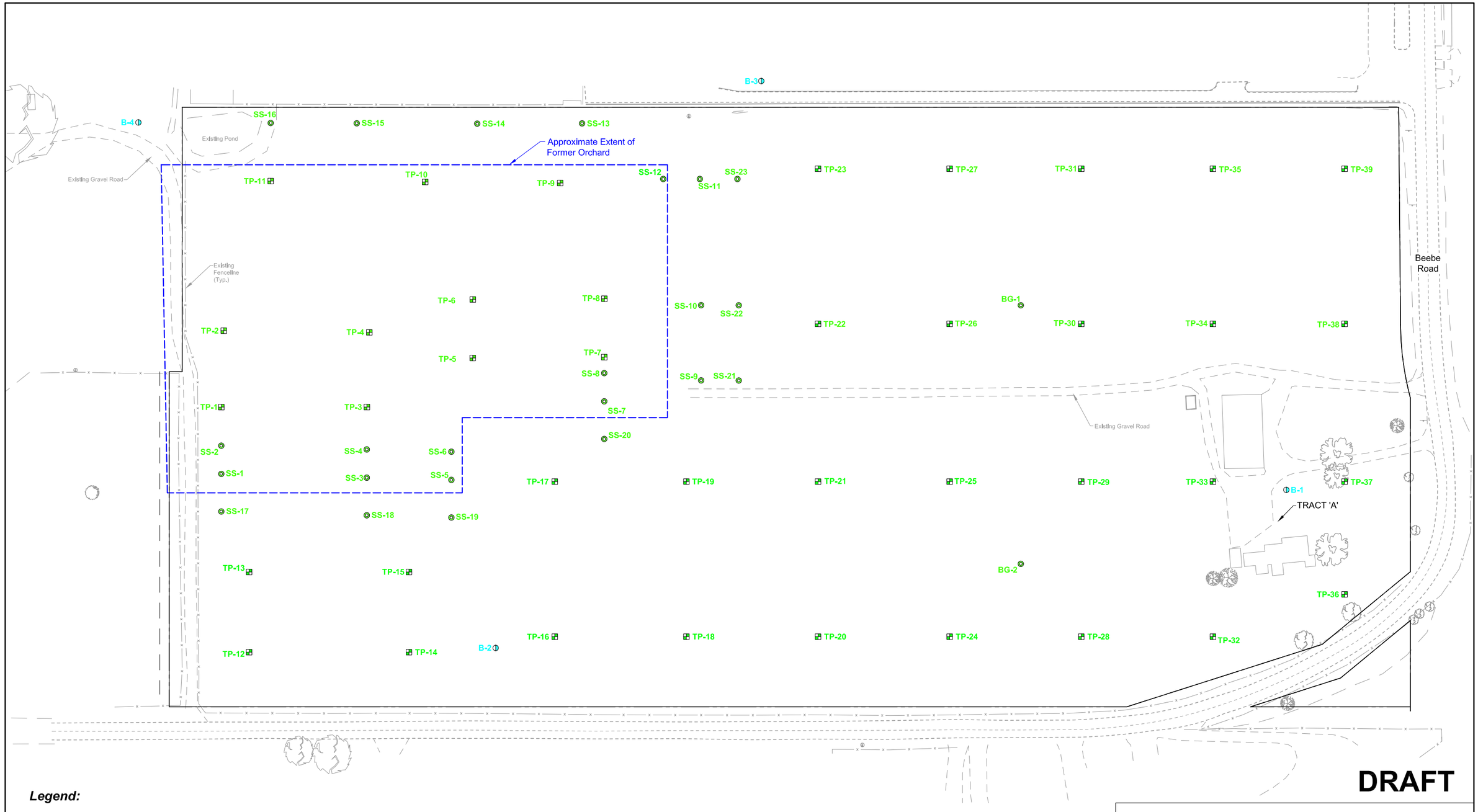
Site Plan

Voluntary Cleanup Program Results Report
Duncan Development LLC
Central Point, Oregon

Ash Creek Associates, Inc.
Environmental and Geotechnical Consultants

Project Number 1141-00
October 2006

Figure 2



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Legend:

TP-1 Test Pit Soil Sampling Location

SS-1 Surface Soil Location

B-1 Groundwater Sampling Location

Notes:

1. Base map supplied by CES|NW, dated 2005.
2. Orchard boundary estimated from 1939 historical aerial photograph by CES|NW.

N

0 100 200

Approximate Scale in Feet

Site Exploration Plan

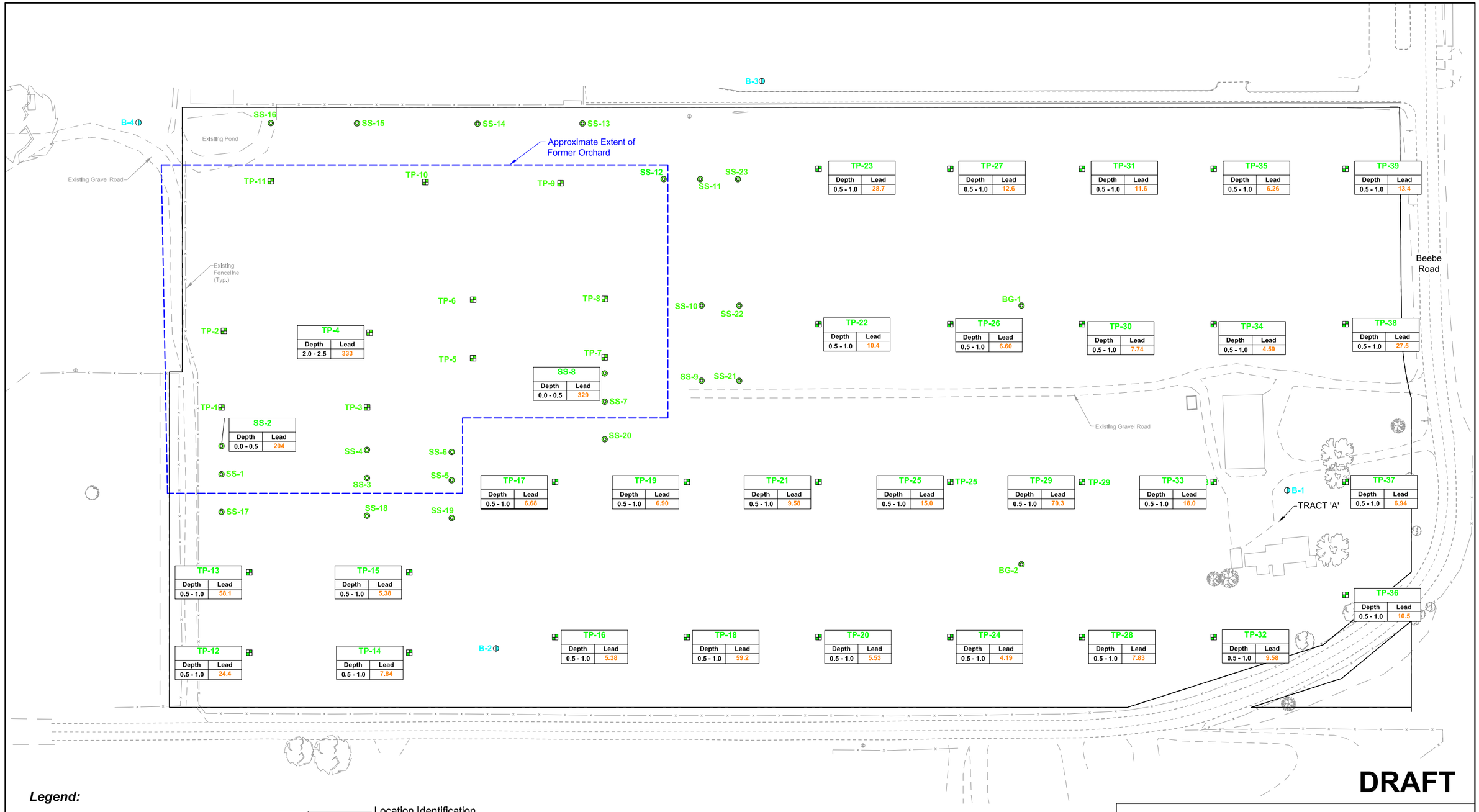
Voluntary Cleanup Program Results Report
Duncan Development LLC
Central Point, Oregon

Ash Creek Associates, Inc.
Environmental and Geotechnical Consultants

Project Number 1141-00

October 2006

Figure 3



DRAFT

Legend:

TP-1 Test Pit Soil Sampling Location

SS-1 Surface Soil Location

B-1 Groundwater Sampling Location

TP-12 | Depth 0.5 - 1.0 | Lead 24.4

- Location Identification
- Lead Concentration in mg/kg
- Depth of Sample

Notes:

1. Base map supplied by CES|NW, dated 2005.
2. Orchard boundary estimated from 1939 historical aerial photograph by CES|NW.

N

0 100 200

Approximate Scale in Feet

Lead Concentrations in Soil

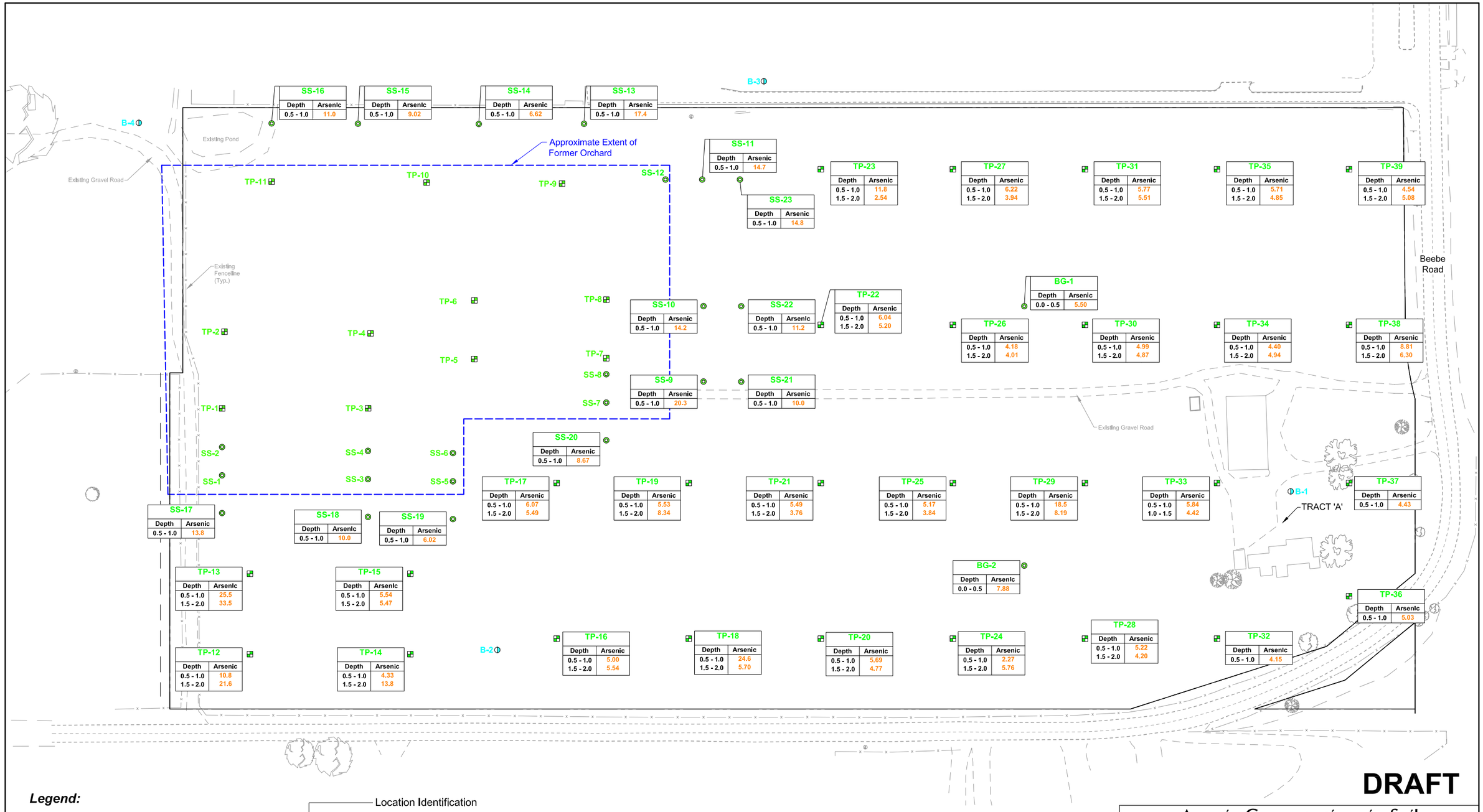
Voluntary Cleanup Program Results Report
Duncan Development LLC
Central Point, Oregon

Ash Creek Associates, Inc.
Environmental and Geotechnical Consultants

Project Number 1141-00

October 2006

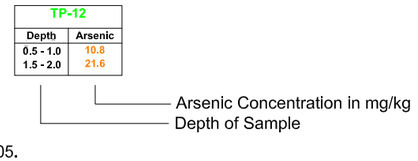
Figure 4



DRAFT

Legend:

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



Notes:

1. Base map supplied by CES|NW, dated 2005.
2. Orchard boundary estimated from 1939 historical aerial photograph by CES|NW.

N

0 100 200

Approximate Scale in Feet

Arsenic Concentrations in Soil Outside Former Orchard Area

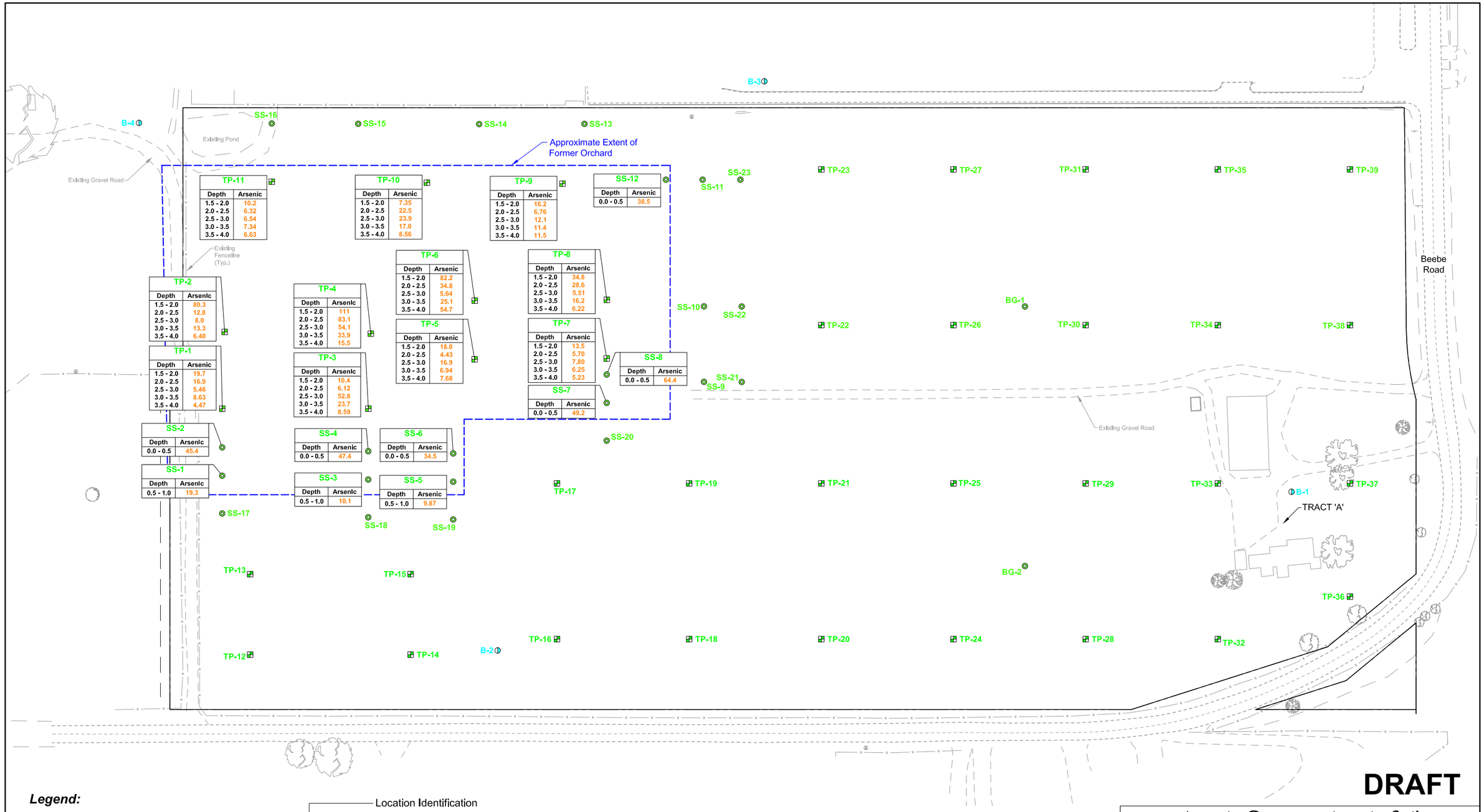
Voluntary Cleanup Program Results Report
Duncan Development LLC
Central Point, Oregon

Ash Creek Associates, Inc.
Environmental and Geotechnical Consultants

Project Number 1141-00

October 2006

Figure 5



TP-11	
Depth	Arsenic
1.5 - 2.0	10.2
2.0 - 2.5	6.32
2.5 - 3.0	6.54
3.0 - 3.5	7.34
3.5 - 4.0	6.63

TP-10	
Depth	Arsenic
1.5 - 2.0	7.35
2.0 - 2.5	22.5
2.5 - 3.0	23.9
3.0 - 3.5	17.0
3.5 - 4.0	8.56

TP-9	
Depth	Arsenic
1.5 - 2.0	16.2
2.0 - 2.5	6.76
2.5 - 3.0	12.1
3.0 - 3.5	11.4
3.5 - 4.0	11.5

SS-12	
Depth	Arsenic
0.0 - 0.5	38.5

TP-6	
Depth	Arsenic
1.5 - 2.0	82.2
2.0 - 2.5	34.8
2.5 - 3.0	5.64
3.0 - 3.5	25.1
3.5 - 4.0	54.7

TP-8	
Depth	Arsenic
1.5 - 2.0	34.8
2.0 - 2.5	28.6
2.5 - 3.0	5.51
3.0 - 3.5	16.2
3.5 - 4.0	6.22

TP-2	
Depth	Arsenic
1.5 - 2.0	80.3
2.0 - 2.5	12.8
2.5 - 3.0	8.0
3.0 - 3.5	13.3
3.5 - 4.0	6.40

TP-4	
Depth	Arsenic
1.5 - 2.0	111
2.0 - 2.5	83.1
2.5 - 3.0	54.1
3.0 - 3.5	33.9
3.5 - 4.0	15.5

TP-5	
Depth	Arsenic
1.5 - 2.0	18.0
2.0 - 2.5	4.43
2.5 - 3.0	16.9
3.0 - 3.5	6.94
3.5 - 4.0	7.68

TP-7	
Depth	Arsenic
1.5 - 2.0	13.5
2.0 - 2.5	5.70
2.5 - 3.0	7.80
3.0 - 3.5	6.25
3.5 - 4.0	5.23

SS-8	
Depth	Arsenic
0.0 - 0.5	64.4

TP-1	
Depth	Arsenic
1.5 - 2.0	19.7
2.0 - 2.5	16.9
2.5 - 3.0	5.46
3.0 - 3.5	8.63
3.5 - 4.0	4.47

TP-3	
Depth	Arsenic
1.5 - 2.0	10.4
2.0 - 2.5	6.12
2.5 - 3.0	52.8
3.0 - 3.5	23.7
3.5 - 4.0	8.59

SS-7	
Depth	Arsenic
0.0 - 0.5	49.2

SS-2	
Depth	Arsenic
0.0 - 0.5	45.4

SS-4	
Depth	Arsenic
0.0 - 0.5	47.4

SS-6	
Depth	Arsenic
0.0 - 0.5	34.5

SS-1	
Depth	Arsenic
0.5 - 1.0	19.3

SS-3	
Depth	Arsenic
0.5 - 1.0	10.1

SS-5	
Depth	Arsenic
0.5 - 1.0	9.87

DRAFT

Legend:

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

Example:

SS-2	
Depth	Arsenic
0.0 - 0.5	45.4

- Location Identification
- Arsenic Concentration in mg/kg
- Depth of Sample

Notes:

1. Base map supplied by CES|NW, dated 2005.
2. Orchard boundary estimated from 1939 historical aerial photograph by CES|NW.

N

0 100 200

Approximate Scale in Feet

Arsenic Concentrations in Soil Within Former Orchard Area

Voluntary Cleanup Program Results Report
Duncan Development LLC
Central Point, Oregon

Ash Creek Associates, Inc.
Environmental and Geotechnical Consultants

Project Number 1141-00

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Figure 6

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

B-3		
Depth	Arsenic	Lead
0.0 - 0.5	1.34	<1.0

B-1		
Depth	Arsenic	Lead
0.0 - 0.5	1.12	<1.0

B-2		
Depth	Arsenic	Lead
0.0 - 0.5	2.2	<1.0

Existing Pond

Existing Gravel Road

Approximate Extent of Former Orchard

Existing Fenceline (Typ.)

Existing Gravel Road

Beebe Road

TRACT 'A'

SS-16 SS-15 SS-14 SS-13 SS-12 SS-23 SS-11 SS-10 SS-22 SS-9 SS-21 SS-7 SS-20 SS-8 SS-6 SS-4 SS-5 SS-3 SS-2 SS-1 SS-17 SS-18 SS-19

TP-11 TP-10 TP-9 TP-23 TP-27 TP-31 TP-35 TP-39

TP-6 TP-8 TP-2 TP-4 TP-5 TP-7 TP-1 TP-3 TP-22 TP-26 TP-30 TP-34 TP-38

TP-17 TP-19 TP-21 TP-25 TP-29 TP-33 TP-37

TP-13 TP-15 TP-16 TP-18 TP-20 TP-24 TP-28 TP-32 TP-12 TP-14 TP-36

BG-1 BG-2

DRAFT

Legend:

TP-1 Test Pit Soil Sampling Location

SS-1 Surface Soil Location

B-1 Groundwater Sampling Location

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

Location Identification

Arsenic Concentration in µg/L

Lead Concentration in µg/L

Depth of Sample

Notes:

1. Base map supplied by CES|NW, dated 2005.
2. Orchard boundary estimated from 1939 historical aerial photograph by CES|NW.

0 100 200

Approximate Scale in Feet

Arsenic and Lead Concentrations in Groundwater

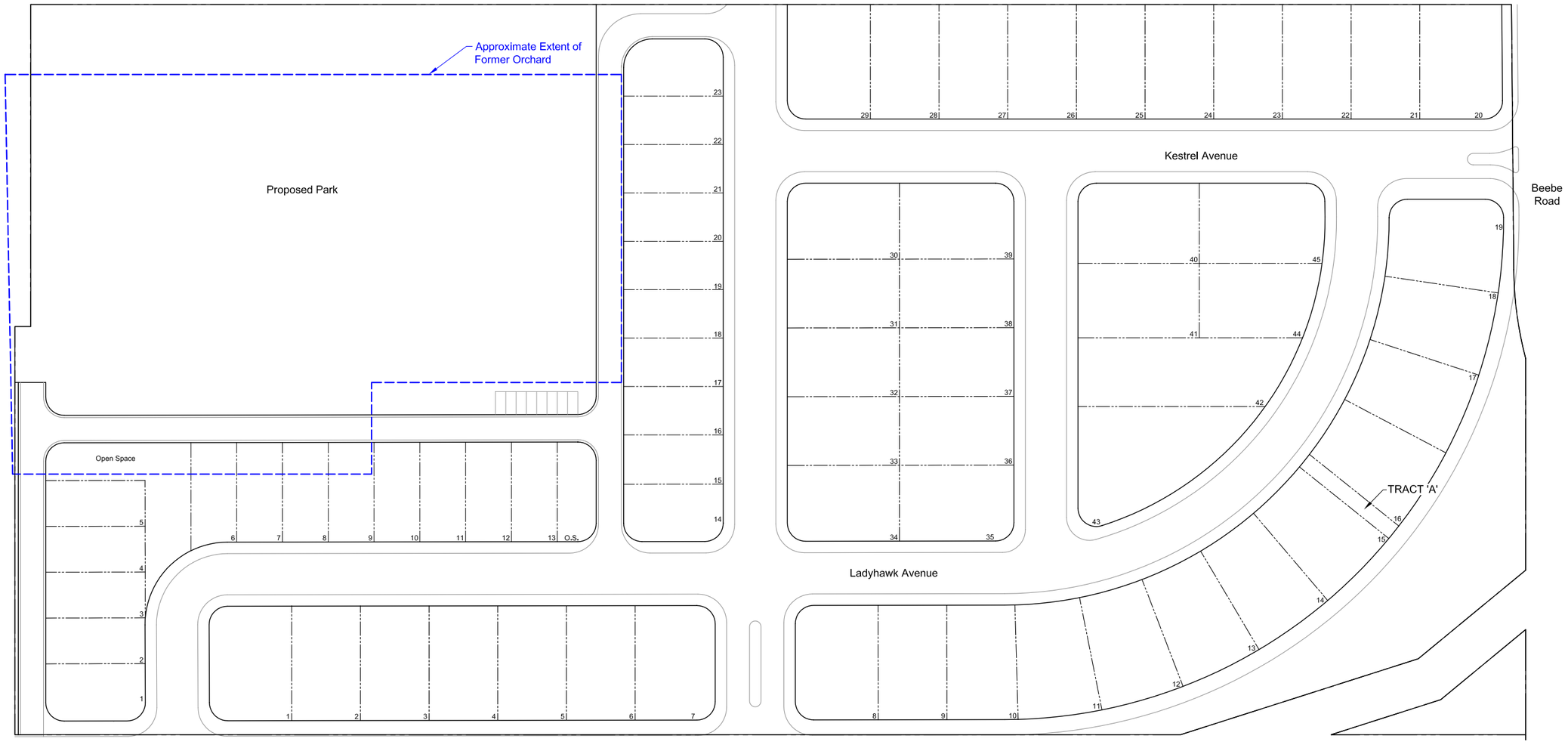
Voluntary Cleanup Program Results Report
Duncan Development LLC
Central Point, Oregon

Ash Creek Associates, Inc.
Environmental and Geotechnical Consultants

Project Number 1141-00

October 2006

Figure 7



DRAFT

Notes:

1. Lot boundaries shown are proposed.
2. Base map supplied by CES|NW, dated 2005.
3. Orchard boundary estimated from 1939 historical aerial photograph by CES|NW.

N

0 100 200

Approximate Scale in Feet

Proposed Site Development Plan

Voluntary Cleanup Program Results Report
Duncan Development LLC
Central Point, Oregon

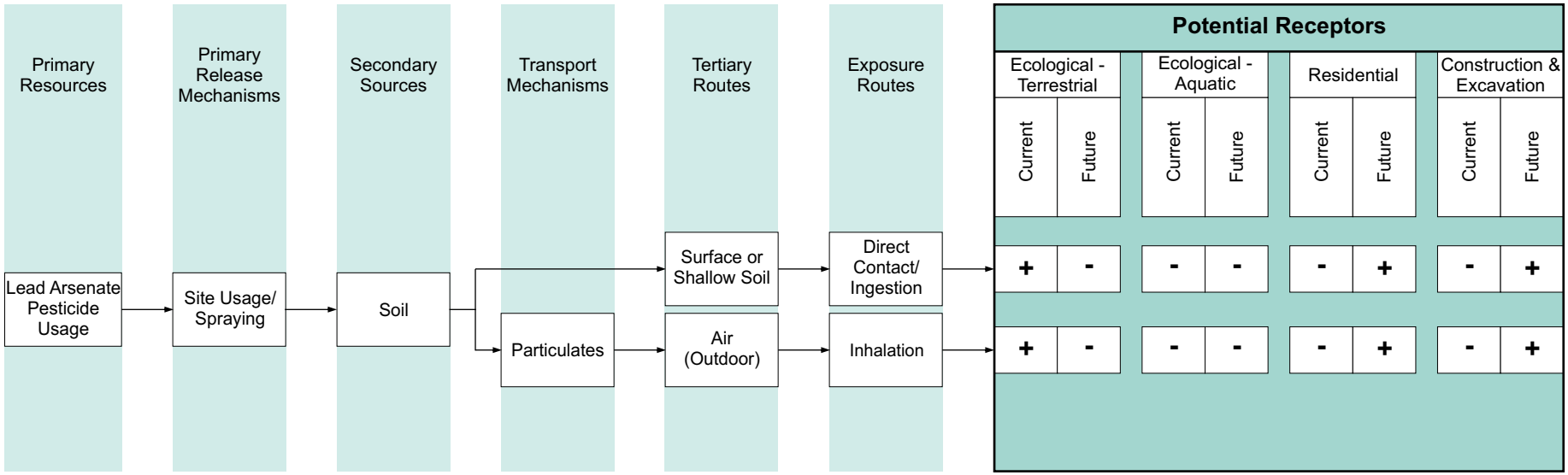
Ash Creek Associates, Inc.
Environmental and Geotechnical Consultants

Project Number 1141-00

October 2006

Figure 8

DRAFT



+ This route is a possible source of exposure.

- There is no exposure by this route.

Conceptual Site Exposure Model

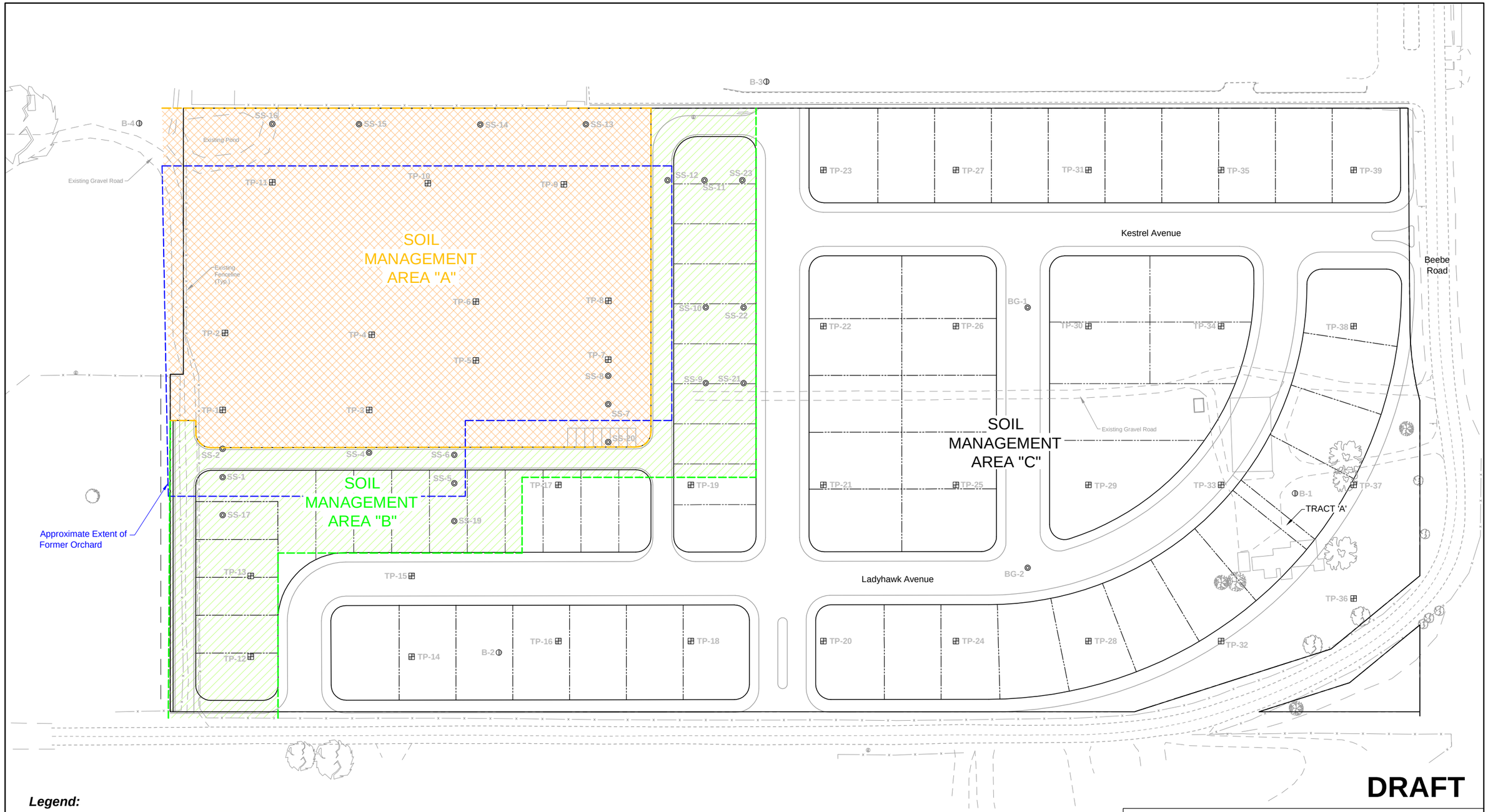
Voluntary Cleanup Program Results Report
Duncan Development LLC
Central Point Oregon

Ash Creek Associates, Inc.
Environmental and Geotechnical Consultants

Project Number 1141-00

October 2006

Figure 9



DRAFT

Legend:

SOIL MANAGEMENT AREA "A"	To be Capped and Converted to a Maintained Park.	TP-1 Test Pit Soil Sampling Location
SOIL MANAGEMENT AREA "B"	Removal of Shallow Soil and Placement in Park Area.	SS-1 Surface Soil Location
SOIL MANAGEMENT AREA "C"	No Remedial Action Needed.	B-1 Groundwater Sampling Location

Notes:

1. **Lot boundaries shown are proposed.**
2. **Base map supplied by CES|NW, dated 2005.**
3. **Orchard boundary estimated from 1939 historical aerial photograph by CES|NW.**

N

0 100 200

Approximate Scale in Feet

Soil Management Areas

Voluntary Cleanup Program Results Report
Duncan Development LLC
Central Point, Oregon

Ash Creek Associates, Inc.
Environmental and Geotechnical Consultants

Project Number 1141-00

October 2006

Figure 10

Appendix A

Environmental Transaction Screen Report

Environmental Transaction Screen
718 Beebe road
Central Point, Oregon

March 2005

Natural Solutions for Water
MaryAnn Amann
Cascade Earth Sciences
225 South Holly Street
Medford, OR 97850
(541) 773-4404
www.cascade-earth.com

CES
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 Medford, OR 97501

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.

Site Name	Site Address	Database
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 drover 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 deminimis 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 to no 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 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

FORM-KRA

TABLE OF CONTENTS

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

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 Tranverse 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.

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

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.

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

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

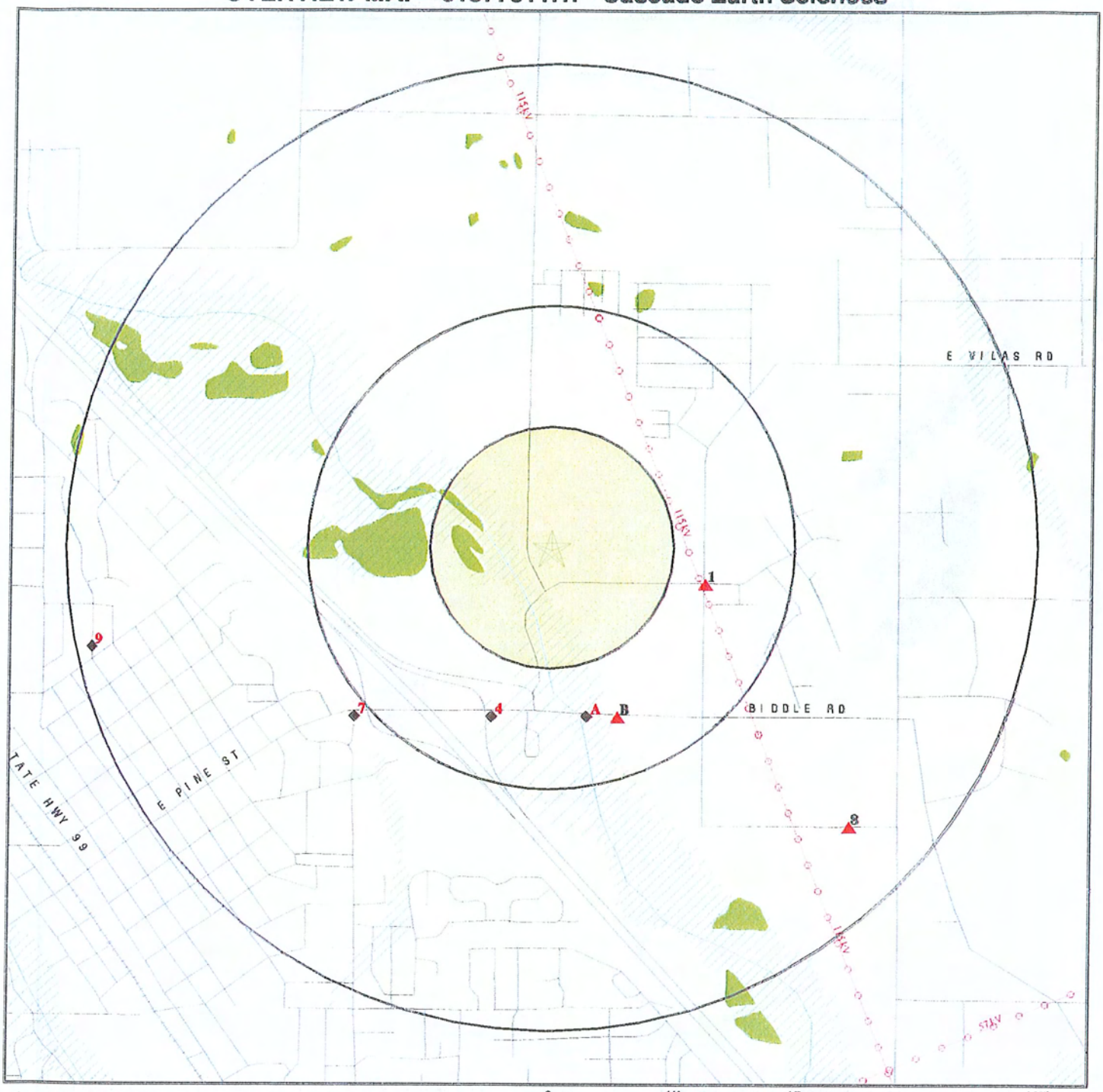
A review of the OR CRL list, as provided by EDR, has revealed that there is 1 OR CRL site within approximately 1 mile of the target property.

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

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

Site Name	Database(s)
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

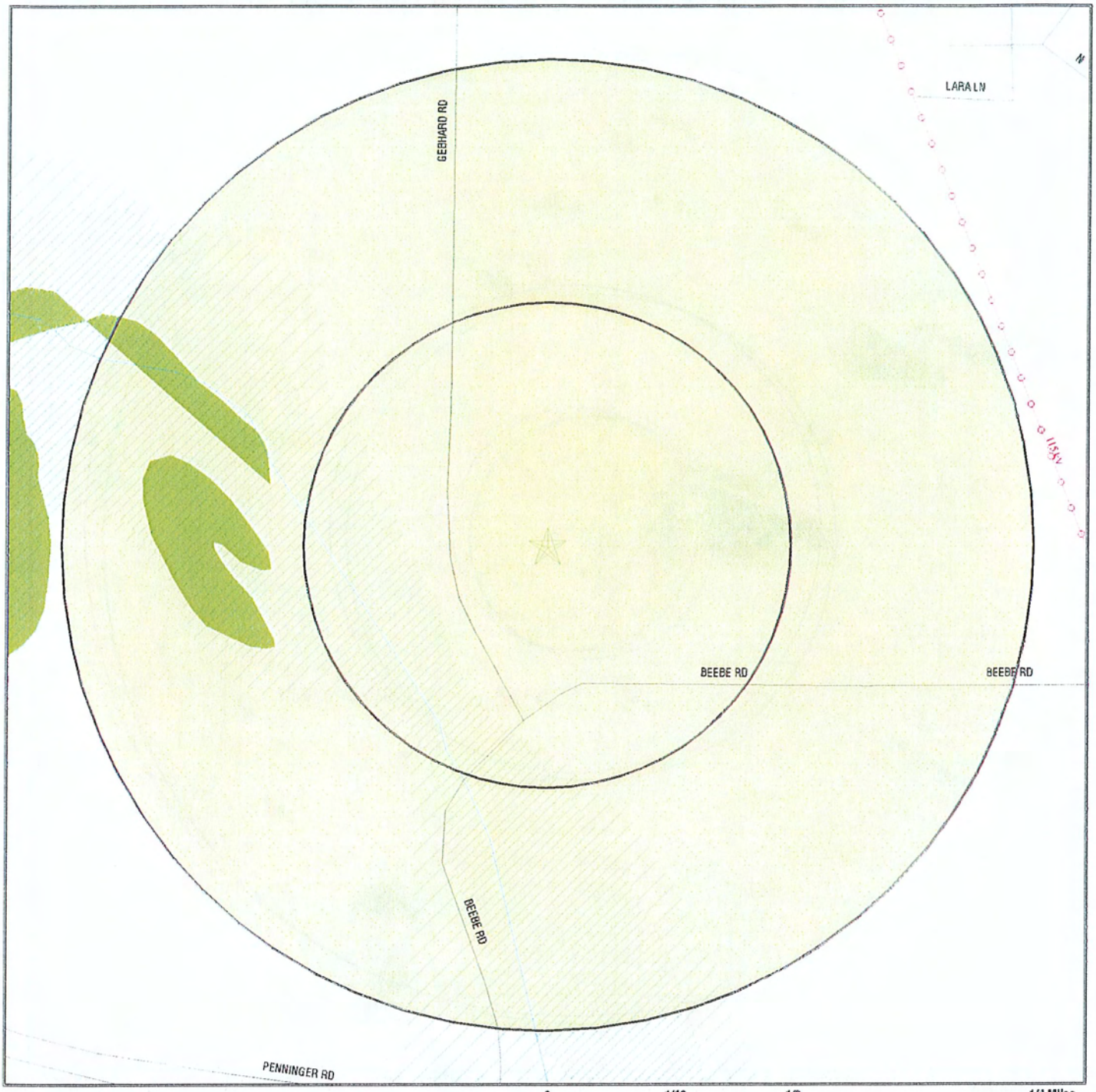


0 1/4 1/2 1 Miles

- 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	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

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
FEDERAL ASTM STANDARD								
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
STATE ASTM STANDARD								
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
FEDERAL ASTM SUPPLEMENTAL								
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
STATE OR LOCAL ASTM SUPPLEMENTAL								
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
EDR PROPRIETARY HISTORICAL DATABASES								
Coal Gas		1.000	0	0	0	0	NR	0
BROWNFIELDS DATABASES								
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

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

1
ESE
1/4-1/2
1703 ft.

DECARLO HOMES OIL RELEASE
BEEBE RD & HAMRICK RD
CENTRAL POINT, OR 97502

SHWS - ECSI 1006853494
FINDS 110014156260

Relative:
Higher

Actual:
1271 ft.

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

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

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

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

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

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** **LUST U000436961**
SSE **1480 E PINE** **UST N/A**
1/4-1/2 **CENTRAL POINT, OR 97502**
1887 ft.

Site 1 of 2 in cluster A

Relative:
Lower

Actual:
1257 ft.

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

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

A3
SSE
1/4-1/2
1907 ft.

CHEVRON U.S.A., INC. - 98337 — LUST — S102590458 / N/A
1510 E PINE
CENTRAL POINT, OR 97501

Site 2 of 2 in cluster A

Relative: Lower

Actual: 1264 ft.

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

4
SSW
1/4-1/2
1956 ft.

TEXACO STATION — HSIS — U000436968
1125 E PINE ST — LUST — N/A
CENTRAL POINT, OR 97502 — OR SPILLS
UST
AST

Relative: Lower

Actual: 1263 ft.

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

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

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

TEXACO STATION (Continued) **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

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

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** **LUST U003115535**
SSE **1600 EAST PINE ST.** **UST N/A**
1/4-1/2 **CENTRAL POINT, OR 97502**
1986 ft.

Site 1 of 2 in cluster B

Relative: Higher

Actual: 1267 ft.

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

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** **LUST S102418155**
SSE **1590 E PINE STREET** **N/A**
1/4-1/2 **CENTRAL POINT, OR 97502**
1986 ft.

Site 2 of 2 in cluster B

Relative: Higher

Actual: 1267 ft.

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

7
SW
1/2-1
2809 ft.

PACIFIC NW BELL - CENTRAL POINT
E PINE ST & FREEMAN RD
CENTRAL POINT, OR 97502

SHWS - ECSI **1006854822**
FINDS **110014170994**

Relative:
Lower

Actual:
1263 ft.

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

ECSI:

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

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

PACIFIC NW BELL - CENTRAL POINT (Continued) **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

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:

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		

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
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 : 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

PACIFIC NW BELL - CENTRAL POINT (Continued) **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

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

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 w
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 Evaluat
ion 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 bel
ow 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

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 throu
gh 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 f
or 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 maintance shop area, 4) the lube room area, 5) the Hayes oil tank area, 6) the tru
ck 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 mnitoring 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 hydr
ocarbons. 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 ba
nk, 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

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		

LTM INCORPORATED (Continued) **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

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

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
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

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

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

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

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

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:	

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

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

Actual:
1262 ft.

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

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

LITHIA DODGE (Continued) **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 u
sed 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 t
he 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 stati
ons 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

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

LITHIA DODGE (Continued) **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:

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

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.

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.

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.

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.

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

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.

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

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. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

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.

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

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 Tranverse 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).

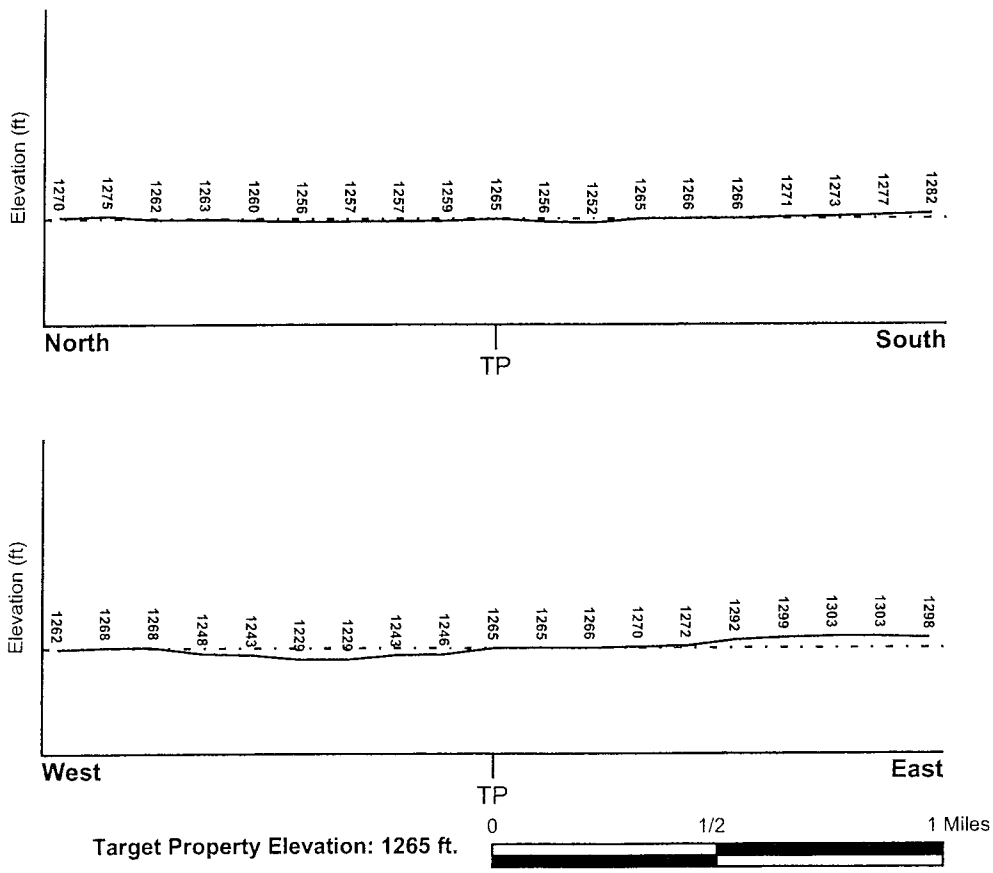
TOPOGRAPHIC INFORMATION

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

Target Property County	FEMA Flood Electronic Data
JACKSON, OR	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

NWI Quad at Target Property	NWI Electronic Data Coverage
SAMS VALLEY	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.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
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							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
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

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

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
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

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

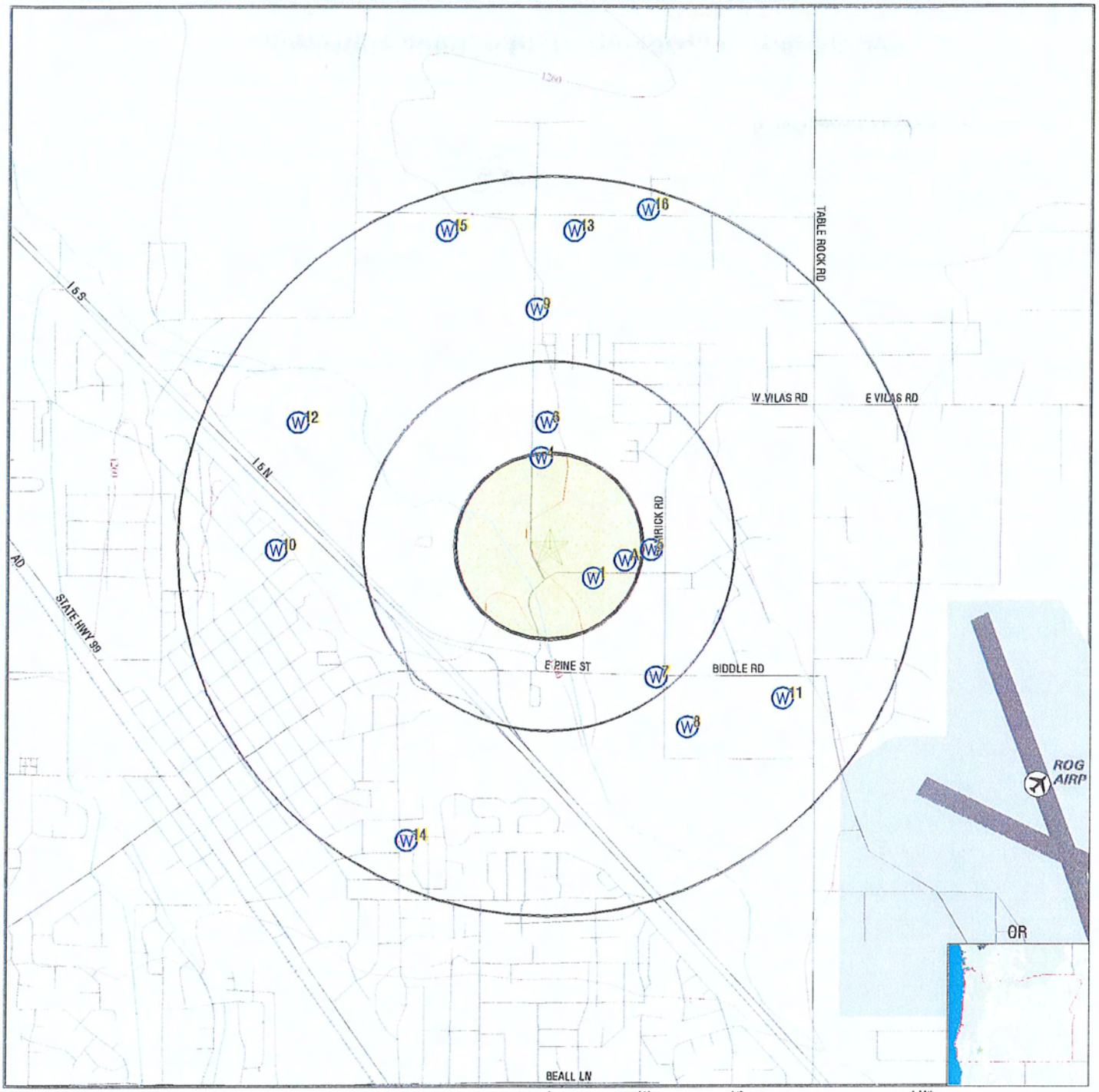
MAP ID	WELL ID	LOCATION FROM TP

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	

	Database	EDR ID Number
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		

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		

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		

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		

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		

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		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
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
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		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
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	

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		

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^R 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 Orgeon

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

Transaction Screen Questionnaire

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

6.1 *Persons to Be Questioned*——The following questions should be asked of (*1*) the current *owner* of the *property*, (2) any major *occupant* of the *property* or, if the *property* does not have any major *occupants*, at least 10% of the *occupants* of the *property*, and (*3*) in addition to the current *owner* and the *occupants* identified in (2), any *occupant* likely to be using, treating, generating, storing, or disposing of *hazardous substances* or *petroleum products* on or from the *property*. A major *occupant* is any *occupant* using at least 40% of the leasable area of the property or any 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. 4th generation in Prop.

Question	Owner[1]	Occupants (if applicable)	Observed During Site Visit
1a. Is the *property* used for an industrial use?	Yes (No) Unk	Yes No Unk	Yes (No)
1b. Is any *adjoining property* used for an industrial use?	Yes (No) Unk	Yes No Unk	Yes (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 (No) Unk all AG. SFH	Yes No Unk	Yes- (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 (No) Unk	Yes No Unk	Yes (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 (No) Unk	Yes No Unk	Yes (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 (No) Unk	Yes No Unk	Yes (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 (No) Unk	Yes No Unk	Yes (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, processing, or recycling facility (if applicable, identify which)?	Yes (No) Unk	Yes No Unk	Yes (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 (No) Unk	Yes No Unk	Yes (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?	(Yes) No Unk	Yes No Unk	Yes (No)
6a. Are there currently any industrial *drums* (typically 55 gal (208 L)) or sacks of chemicals located on the property or at the facility?	Yes (No) Unk	Yes No Unk	Yes (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 sacks of chemicals located on the property or at the facility?	(Yes) No Unk	Yes No Unk	(Yes) No empty ok
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 (No) Unk	Yes No Unk	Yes (No)

[1]Unk = "unkown" or "no response"

Question	Owner	Occupants (if applicable)	Observed During Site Visit
7b. Did you observe evidence or do you have any prior knowledge that *fill dirt* has been brought onto the property that is of an unknown origin?	Yes (No) Unk	Yes No Unk	Yes (No)
8a. Are there currently any *pits, ponds*, or *lagoons* located on the *property* in connection with waste treatment or waste disposal?	Yes (No) Unk	Yes No Unk	Yes (No)
8b. Did you observe evidence or do you have any prior knowledge that there have been previously, any *pits, ponds*, or *lagoons* located on the *property* in connection with waste treatment or waste disposal?	Yes (No) Unk	Yes No Unk	Yes (No)
9a. Is there currently any stained soil on the *property*?	(Yes)? No (Unk)	Yes No Unk	(Yes) No
9b. Did you observe evidence or do you have any prior knowledge that there has been previously, any stained soil on the *property*?	Yes (No) Unk	Yes No Unk	Yes (No)
10a. Are there currently any registered or unregistered storage tanks (above or underground) located on the *property*?	Yes (No) Unk	Yes No Unk	Yes (No)
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 *property*?	(Yes) No Unk	Yes No Unk	(Yes) No
11a. Are there currently any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the *property* or adjacent to any structure located on the *property*? House heat oil tank was removed.	Yes (No) Unk	Yes No Unk	Yes (No)
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 *property* or adjacent to any structure located on the *property*?	Yes (No) Unk	Yes No Unk	Yes (No)
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 (No) Unk	Yes No Unk	(Yes) No metal shed gas odor
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 (No) Unk	Yes No Unk	Yes (No)
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? tested clean - 1986 dated	Yes (No) Unk	Yes No Unk	Yes (No)
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 (No) Unk	Yes No Unk	Yes (No)
14. Does the *owner* or *occupant* of the *property* have any knowledge of *environmental liens* or governmental notification relating to past or recurrent violations of environmental laws with respect to the *property* or any facility located on the *property*?	Yes (No) Unk	Yes No Unk	
15a. Has the *owner* or *occupant* of the *property* been informed of the past existence of *hazardous substances* or *petroleum products* with respect to the *property* or any facility located on the *property*?	Yes (No) Unk	Yes No Unk	
15b. Has the *owner* or *occupant* of the *property* been informed of the current existence of *hazardous substances* or *petroleum products* with respect to the *property* or any facility located on the *property*?	Yes (No) Unk	Yes No Unk	
15c. Has the *owner* or *occupant* of the *property* been informed of the past existence of environmental violations with respect to the *property* or any facility located on the *property*?	Yes (No) Unk	Yes No Unk	
15d. Has the *owner* or *occupant* of the *property* been informed of the current existence of environmental violations with respect to the *property* or any facility located on the *property*?	Yes (No) Unk	Yes No Unk	
16. Does the *owner* or *occupant* of the *property* have any knowledge of any *environmental site assessment* of the *property* or facility that indicated the presence of *hazardous substances* or *petroleum products* on, or contamination of, the *property* or recommended further assessment of the *property*?	Yes (No) Unk	Yes No Unk	

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

RVSP

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 Amann

Title Hydrologist

Firm Cascade Earth Sciences

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:

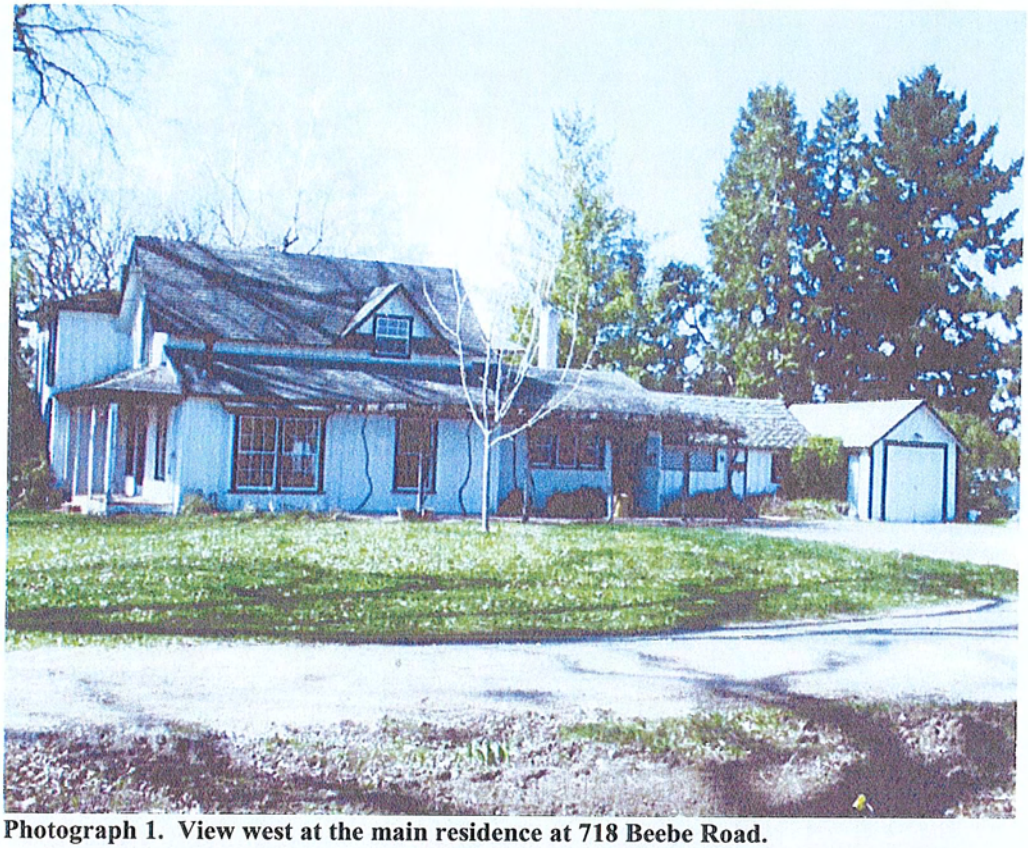
Preparer represents that to the best of the preparer's knowledge the above statements and facts are true and correct and to the best of the preparer's actual knowledge, no material facts have been suppressed or misstated.

Signature Date 3/15/07

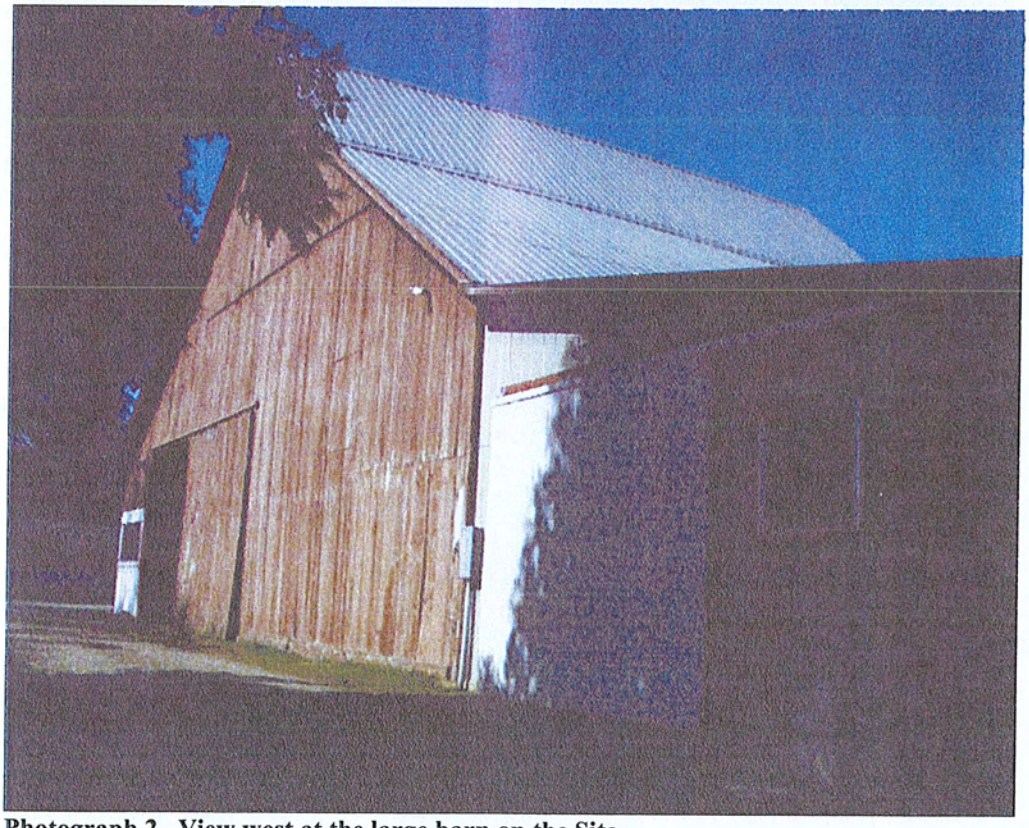
Signature Date

Signature Date

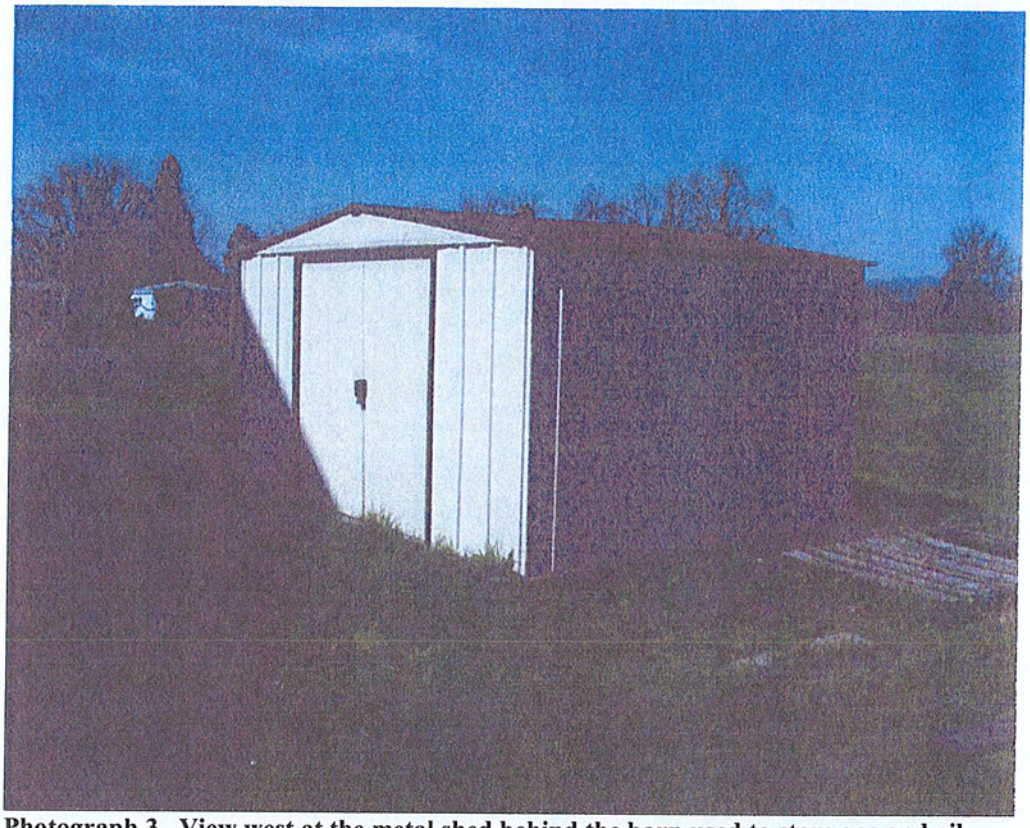
Site Photos



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

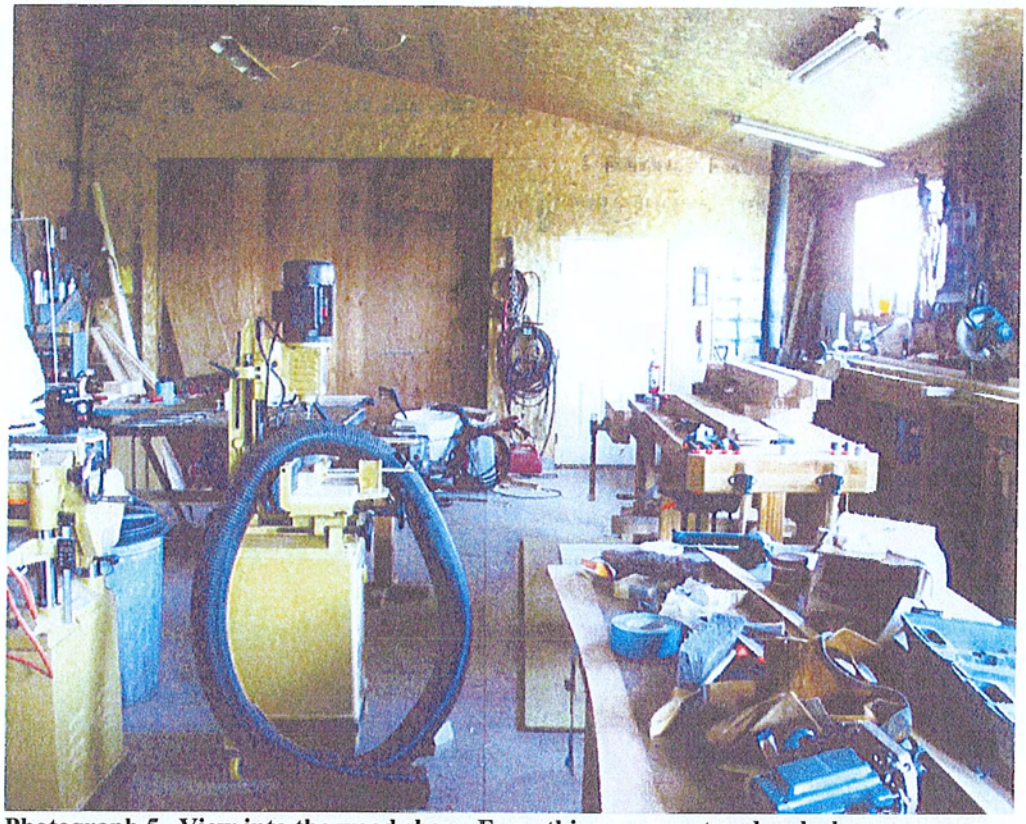


Photograph 2. View west at the large barn on the Site.



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 Report

CES
Natural Solutions for Water
A KLEINFELDER 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,

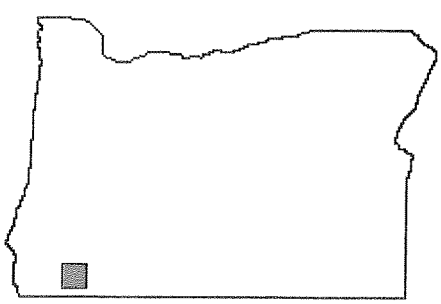
CASCADE EARTH SCIENCES

Mary Ann Amann, RG
Project Manager/Senior Geologist

MAA/mab

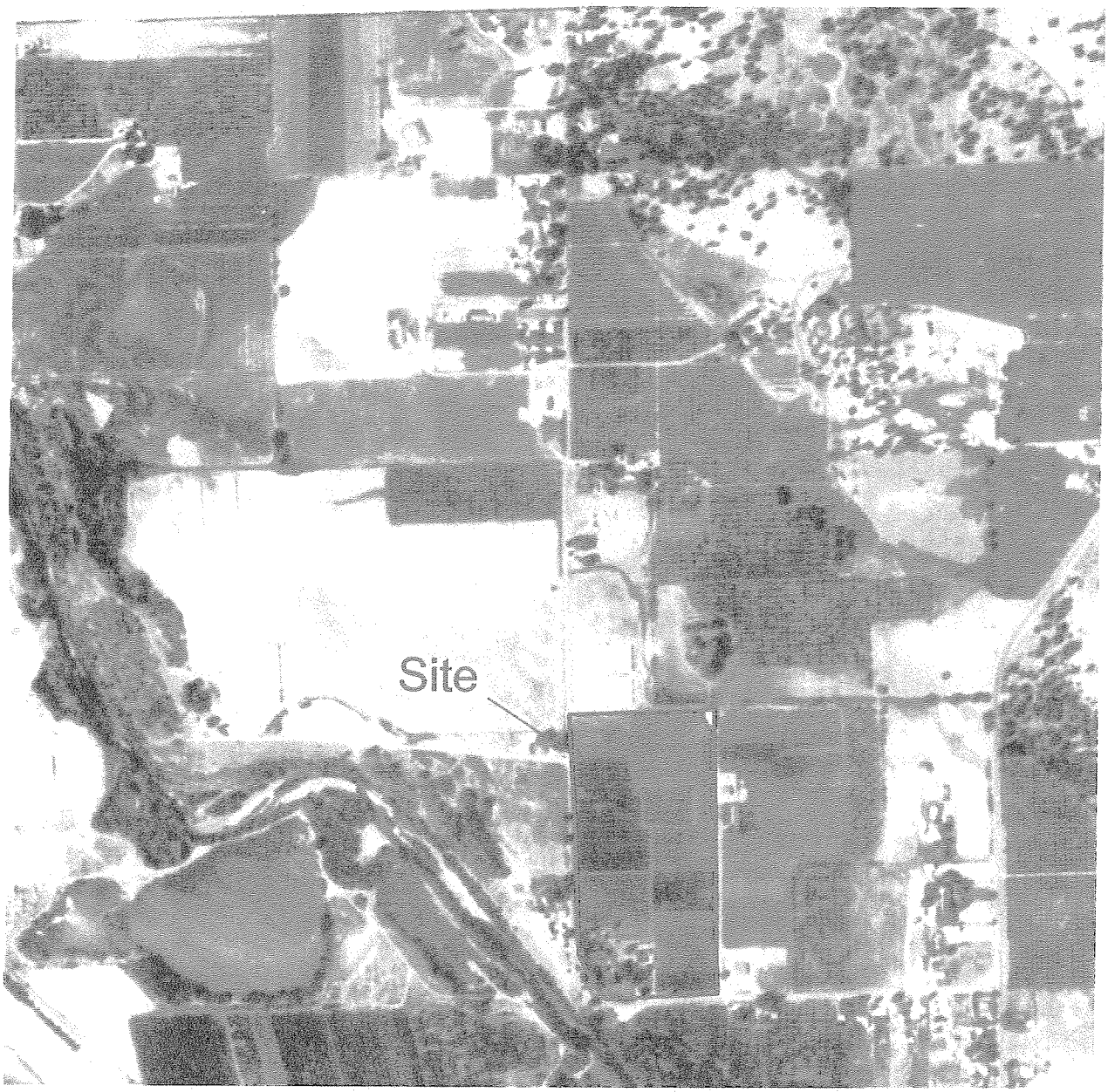
Att: Aerial Photographs
Laboratory Reports
PN: 2524013/002
DOC: 2524013 Beebe Soils Letter report

SOURCE: University of Oregon Map library

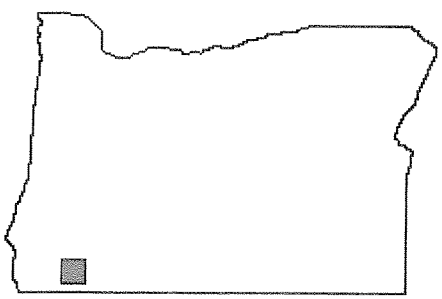


Historical Aerial Photograph 1994

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

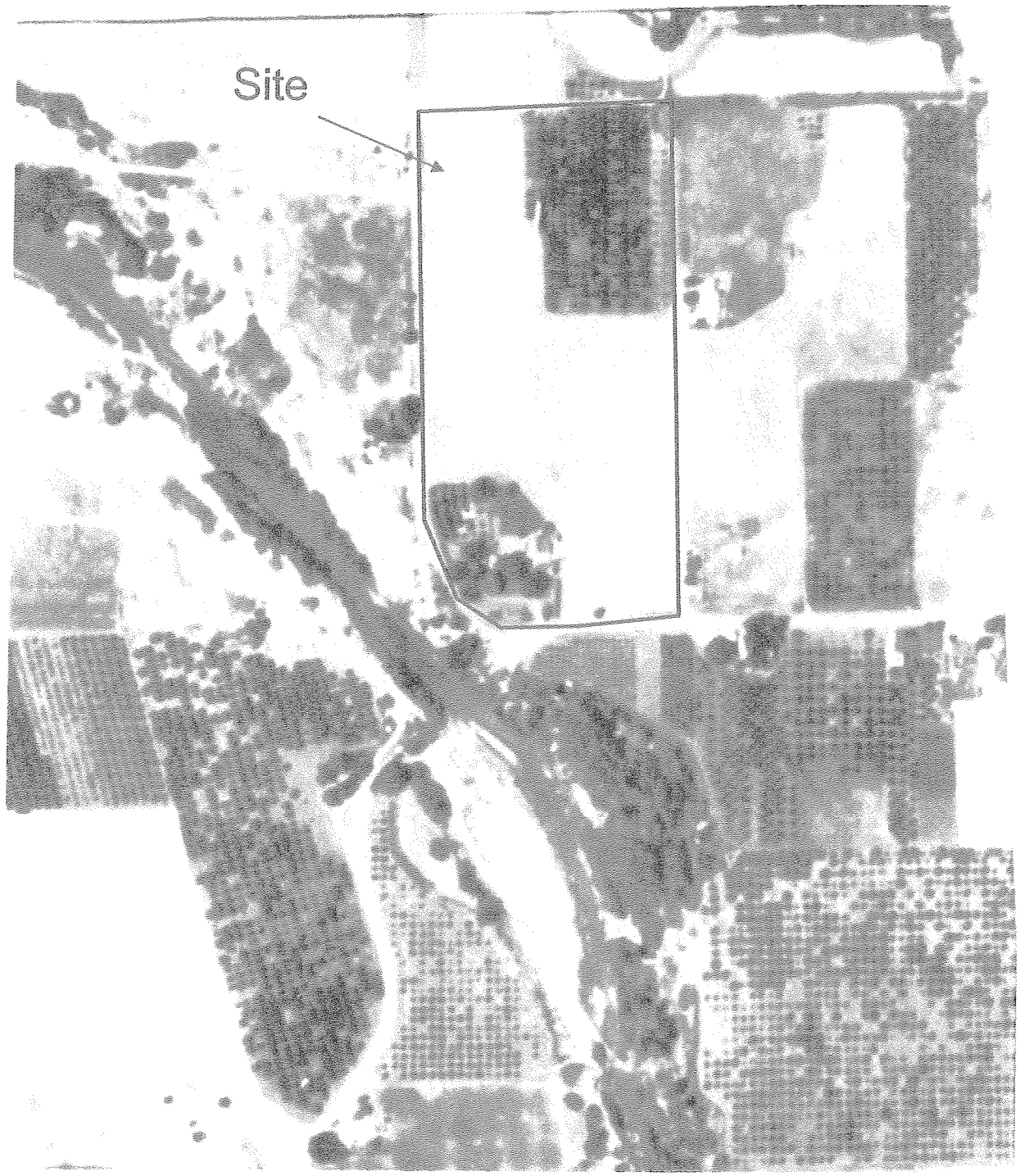


SOURCE: University of Oregon Map library

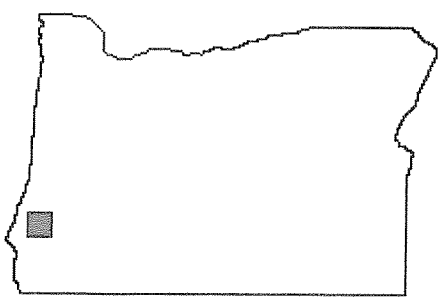


Historical Aerial Photograph 1979

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

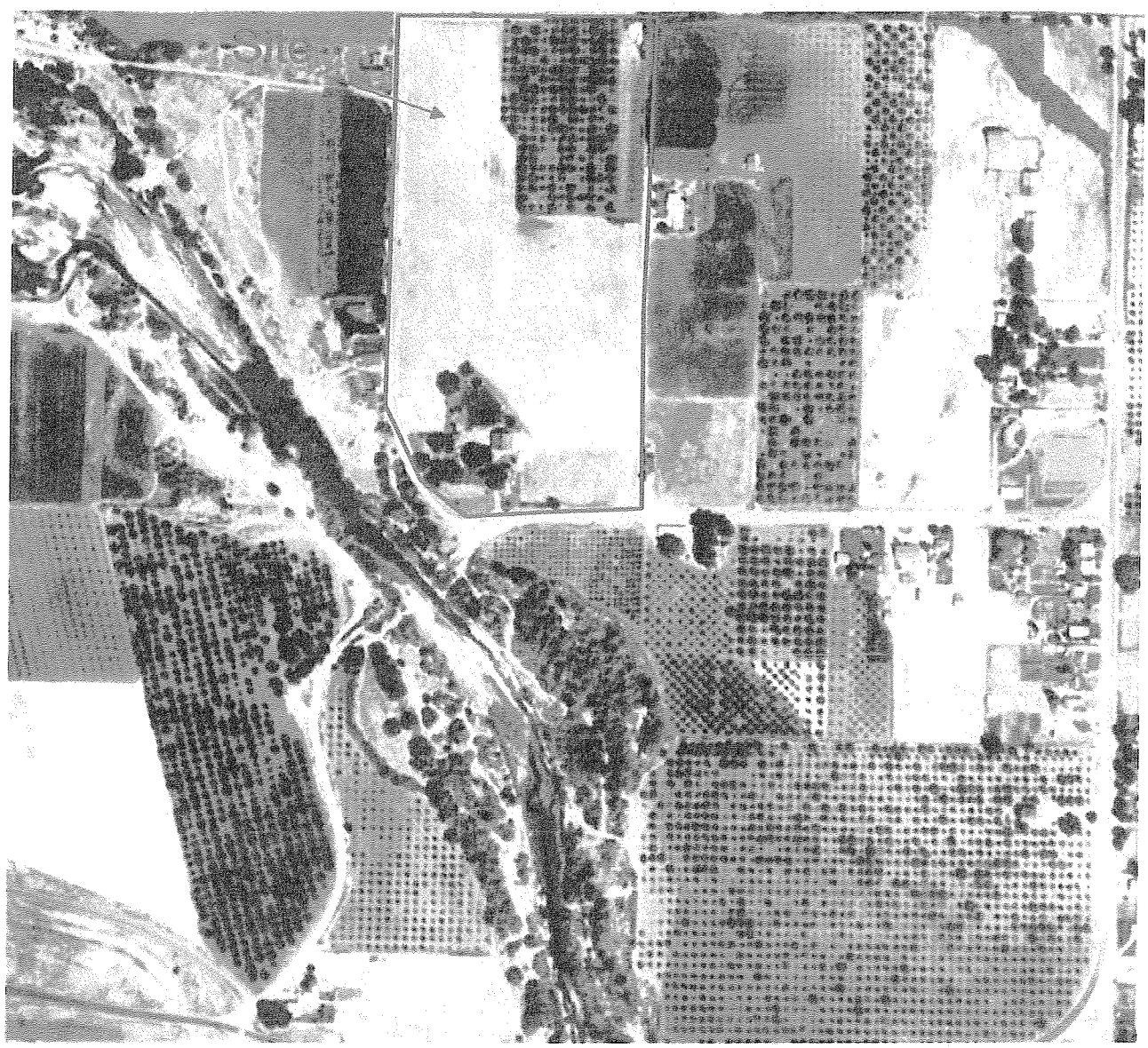


SOURCE: University of Oregon Map library

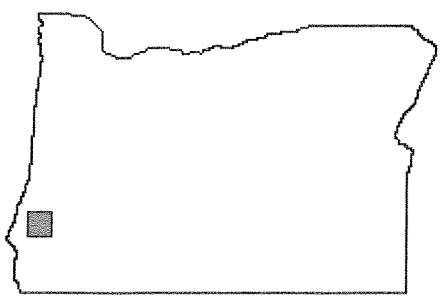


Historical Photograph 1967

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



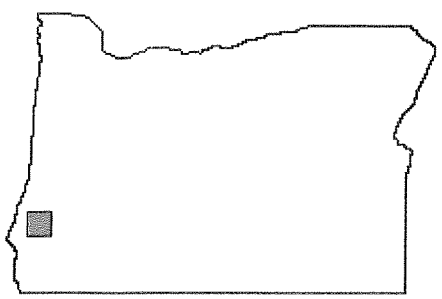
SOURCE: University of Oregon Map library



Historical Photograph 1960

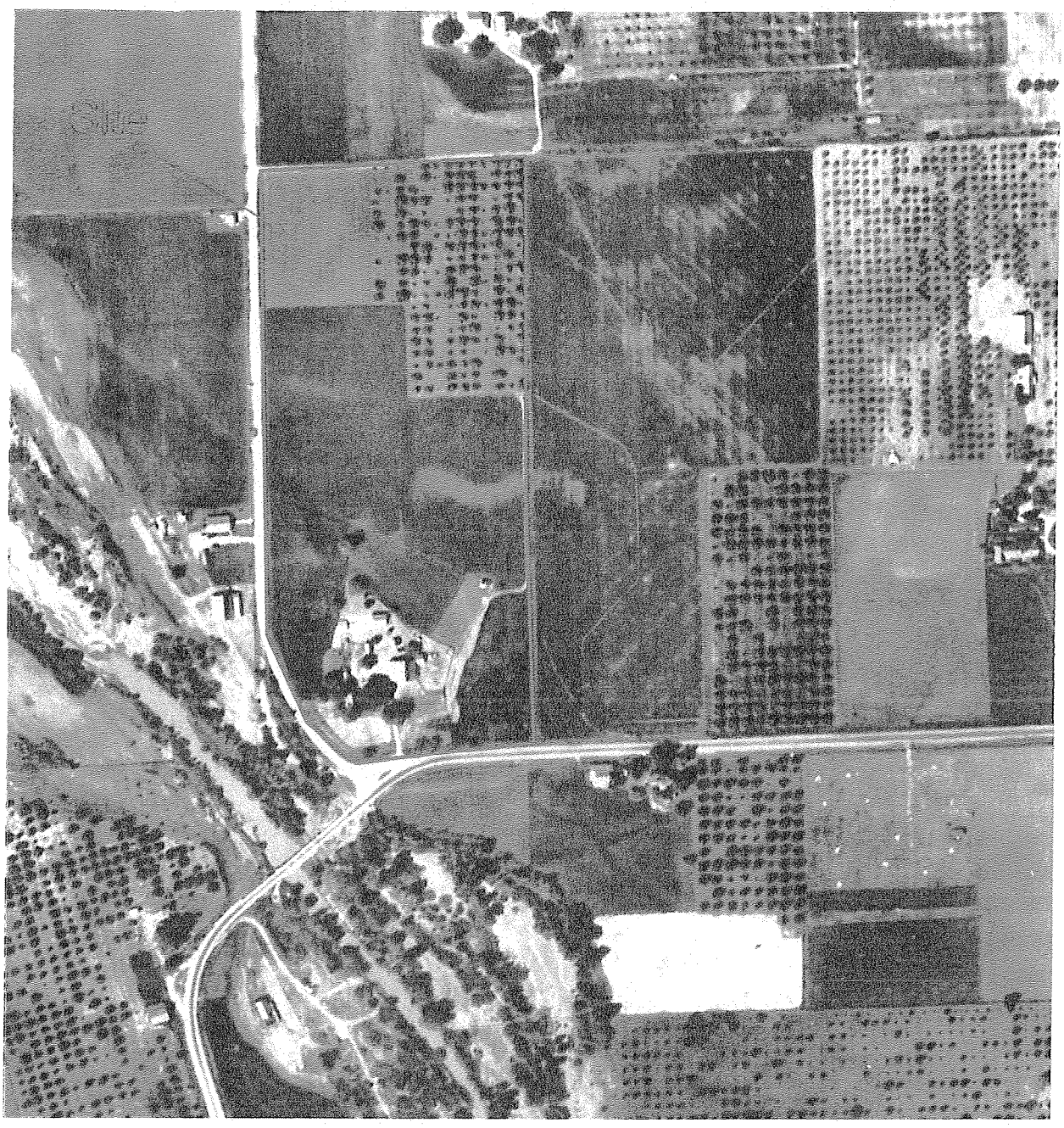
PROJECT NUMBER: 2524014	**718 Beebe Road**
DATE: April 2005	
Doc: Figure 1936.doc	**Central Point, Oregon**
PROJECT MANAGER: MAA	
REVISED	CES CASCADE EARTH SCIENCES A Valmont Industries Company

SOURCE: University of Oregon Map library

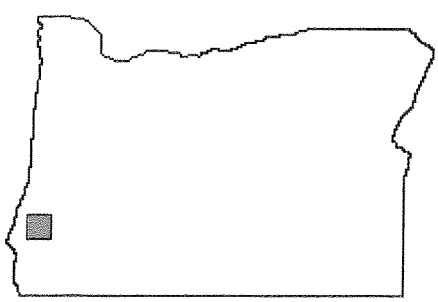


Historical Photograph 1952

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	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

245 South Grape Street ▲ Medford, OR 97501-3122 ▲ (541) 779-5672

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
Trace Metals by ICP-MS by EPA 6020A				(EPA 3050B)			*Analyst: JN*
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 Accredited	Result	Qual	MRL	Units	Dilution 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
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

2

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 H_2SO_4/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
Project: Project #2524013/Beebe ETS

ANALYTICAL QC SUMMARY REPORT

TestCode: EPA8081_S

Sample ID: **MB-8613** SampType: **MBLK** 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: **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: **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

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: 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
- 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: **0504337-01BMS** 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
delta-BHC	9.067	2.5	12.28	0	73.9	40	160				
Heptachlor	9.609	2.5	12.28	0	78.3	40	160				
Aldrin	10.32	2.5	12.28	0	84.0	40	160				
Heptachlor epoxide	8.949	2.5	12.28	0	72.9	40	160				
gamma-Chlordane	10.33	2.5	12.28	0	84.1	40	160				
alpha-Chlordane	10.33	2.5	12.28	0	84.1	40	160				
Endosulfan I	11.10	2.5	12.28	0	90.4	40	160				
Endrin	11.03	2.5	12.28	0	89.8	40	160				
4,4'-DDD	11.76	2.5	12.28	1.293	85.2	40	160				
Endosulfan II	9.608	2.5	12.28	0	78.3	40	160				
Endrin aldehyde	11.61	2.5	12.28	0.5322	90.3	40	160				
Methoxychlor	ND	12	12.28	0	89.2	40	160				
Endosulfan sulfate	10.74	2.5	12.28	0	87.5	40	160				
Surr: Tetrachloro-m-xylene	18.44	0	24.55	0	75.1	60	140				
Surr: Decachlorobiphenyl	21.19	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	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDE	246.1	25	12.28	214	261	40	160				R3
4,4'-DDT	117.9	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	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
alpha-BHC	ND	2.5						0	0	25	
gamma-BHC (Lindane)	ND	2.5						0	0	25	

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: **0504337-01BDUP** 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						0	0	25	
Endosulfan II	ND	2.5						1.293	0	25	
Endrin aldehyde	ND	2.5						0	0	25	
Methoxychlor	ND	12						0.5322	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	0	
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	
4,4´-DDT	110.6	25						106.3	3.98	25	

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: 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

NRC - Page 10 of 11

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

Attention: MA Amann

Results and Invoice to: CES

Address: 225 S. Holly
Medford

Phone: 879-2280 Sampled By: MA Amann

Fax #: _____ P.O. #: _____

REPORTING REQUEST

Preliminary: Fax ☒ Verbal ☒ @541-941-3499.

Final: Written ☐ Fax ☐

NRC - Page 1 of 1

RUSH REQUEST: ☐ 24–48 hrs. (100% sur)

☐ 5 days (50% sur) ☐ Standard 10–14 days

☐ Other _____

10504337

PROJECT INFORMATION

Project Number: 2524013

Project Name: Beebe ETS

Attention: _____

Address: _____

Phone: _____

SPECIAL INSTRUCTIONS:

14.6°C, CLF

☐ 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	ANALYSIS REQUEST: Lead/Arsenic Pesticides 8081	DEPTH	REMARKS/SAMPLE CONDITION
01A	BB-S1	4/14/05	1510	Soil	2	1 / 1	14"	

RELINQUISHED BY (Sign and Print) | **DATE/TIME**

Mary Ann Amann | 4/14/05

RECEIVED BY (Sign) | **DATE/TIME**

REC'D. BY (LABORATORY) 4/14/05 1520

SAMPLE DISPOSAL

☐ NRC disposal of non-contaminated

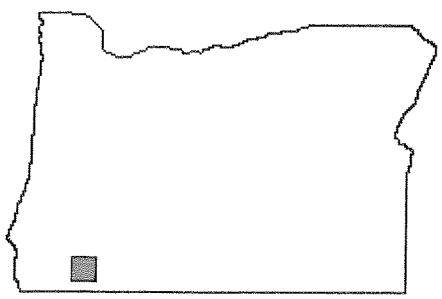
☐ Return ☐ Pick up

CHAIN OF CUSTODY SEALS Y/N/NA

SHIPPED VIA: UPS Fed-Ex Bus Hand

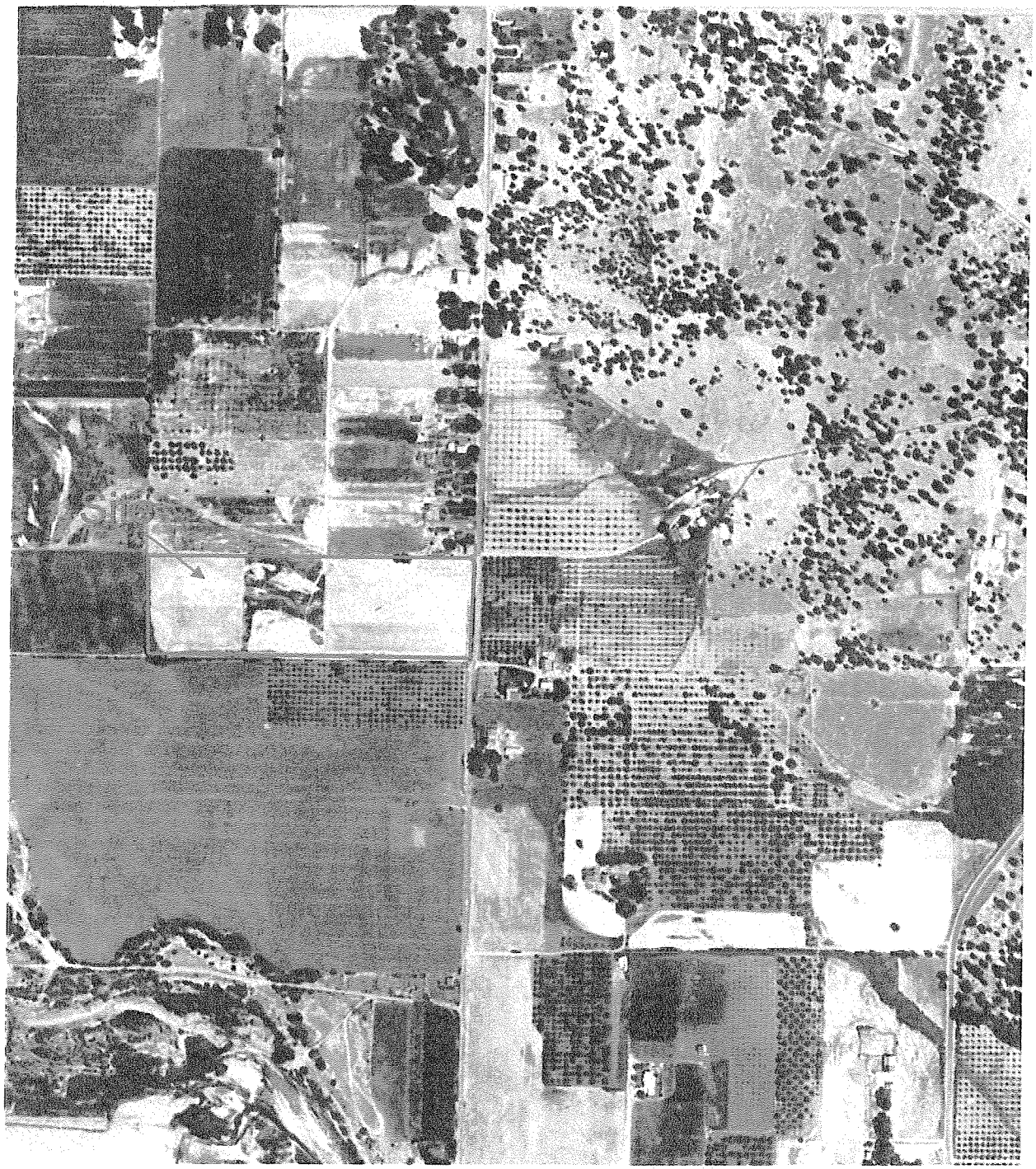
Note: See Standard Terms & Conditions on reverse side of this form.

SOURCE: University of Oregon Map library

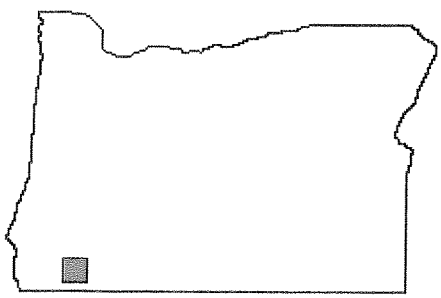


Historical Photograph 1954

PROJECT NUMBER: 2524013	**5055 Gebhard Road**
DATE: April 2005	
Doc: Figure 1954.doc	**Central Point, Oregon**
PROJECT MANAGER: MAA	
REVISED	CES CASCADE EARTH SCIENCES A Valmont Industries Company

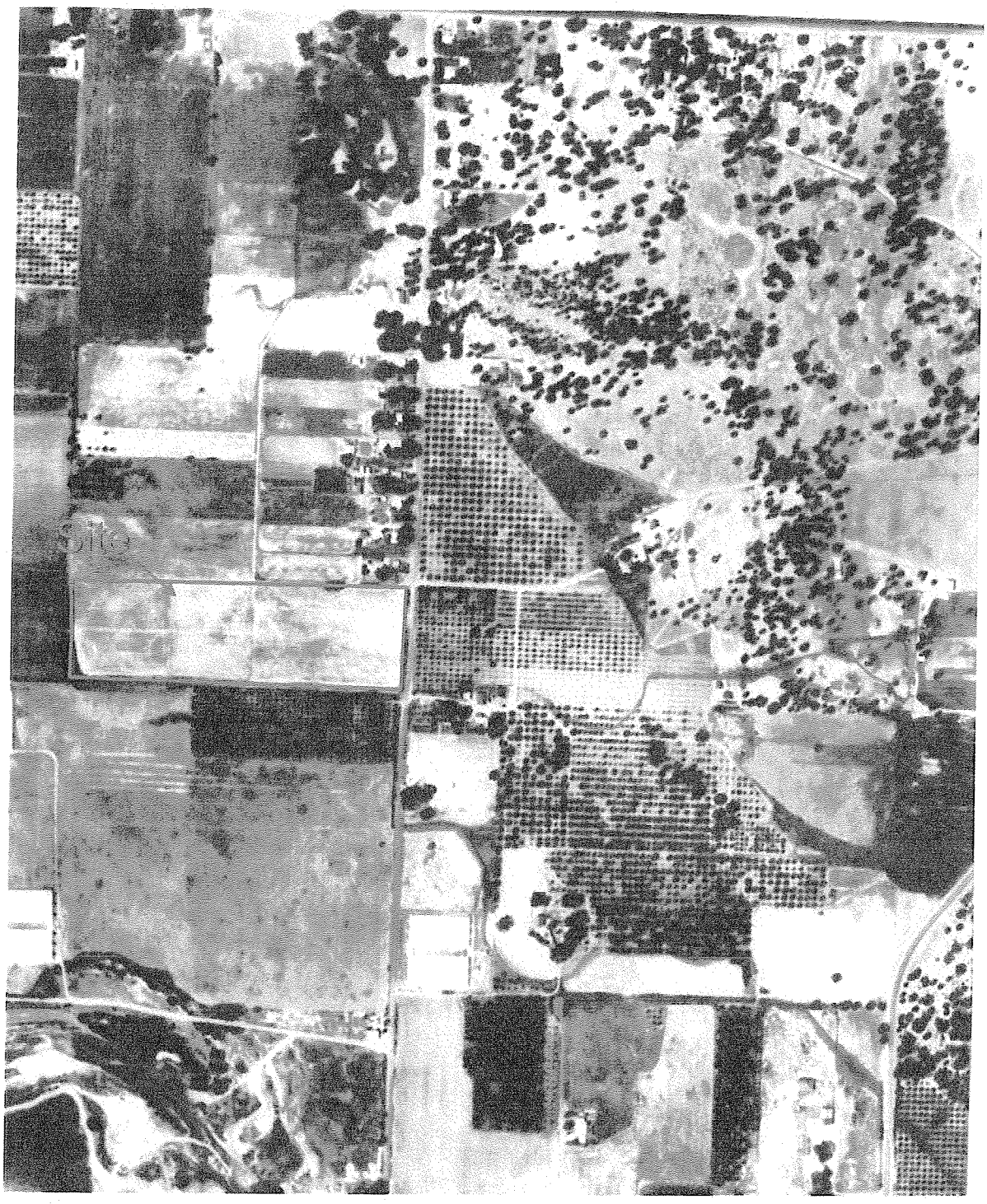


SOURCE: University of Oregon Map library

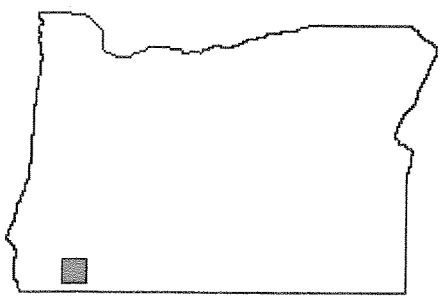


Historical Aerial Photograph 1960

PROJECT NUMBER: 2523013	**5055 Gebhard Road**
DATE: April 2005	
Doc: Figure 1994 Gebhard	**Central Point, Oregon**
PROJECT MANAGER: MAA	
REVISED	CES CASCADE EARTH SCIENCES A Valmont Industries Company

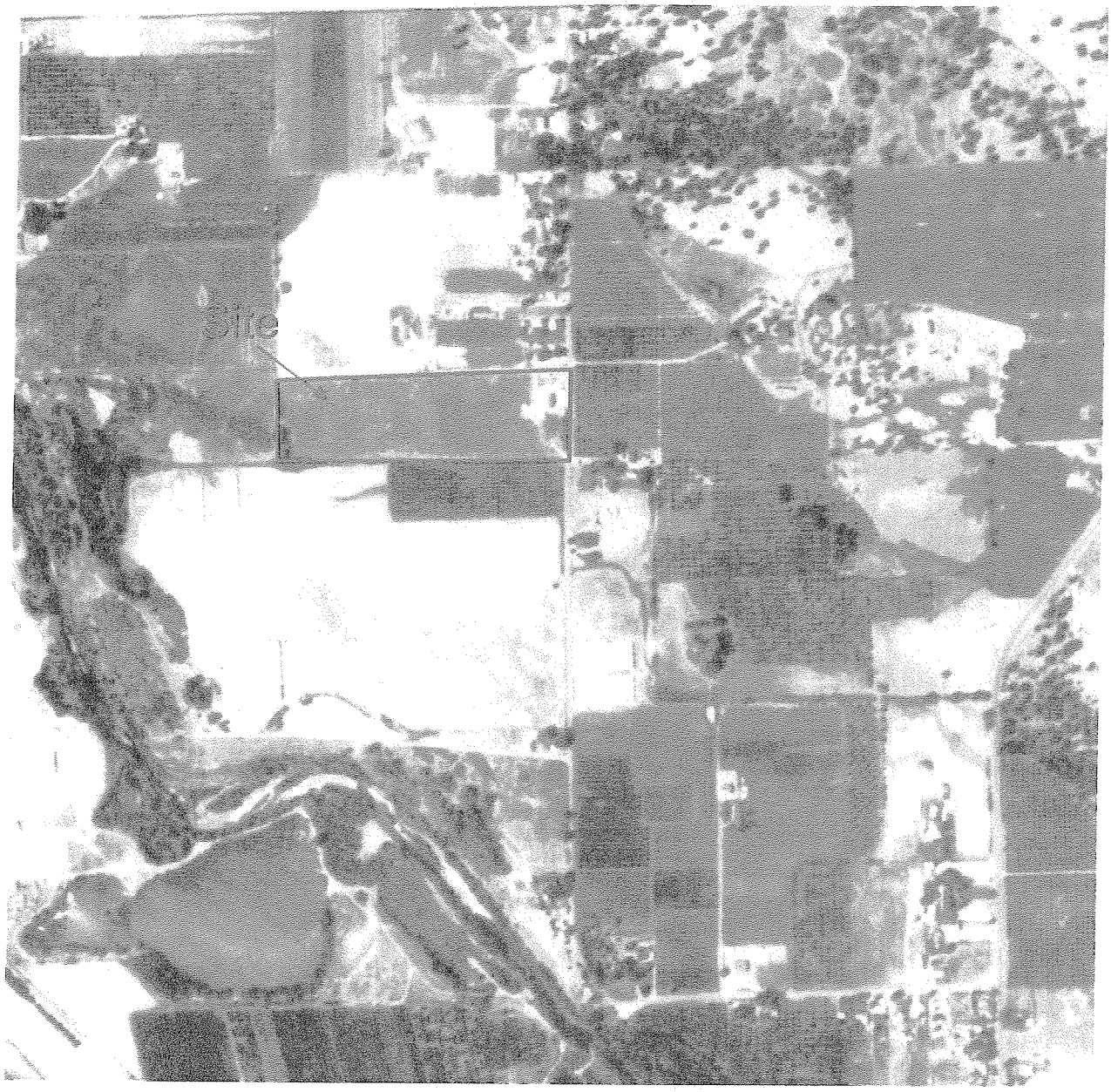


SOURCE: University of Oregon Map library

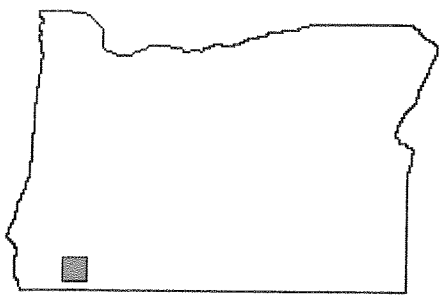


Historical Aerial Photograph 1967

PROJECT NUMBER: 2523013	**5055 Gebhard Road**
DATE: April 2005	
Doc: Figure 1994 Gebhard	**Central Point, Oregon**
PROJECT MANAGER: MAA	
REVISED	CES CASCADE EARTH SCIENCES A Valmont Industries Company



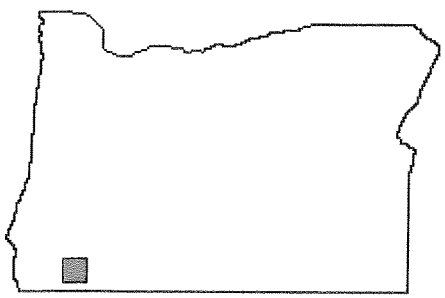
SOURCE: University of Oregon Map library



Historical Aerial Photograph 1979

PROJECT NUMBER: 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 1994

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

Appendix C

Results of Soil Sampling Letter Report

CES 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

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.

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.

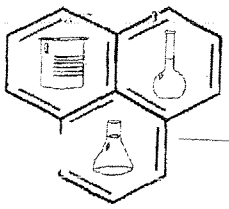
Sincerely,

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

TEL: (541) 941-3999
FAX (541) 773-4404

AUG 22 2005

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 Fowler

Fay L. Fowler
Project Manager

245 South Grape Street ▵ Medford, OR 97501-3123 ▵ (541) 770-5678 ▵ fax (541) 770-2901

Neilson Research Corporation

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

Analysis Report

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

Veilson Research Corporation

Date: *18-Aug-05*

CLIENT: Cascade Earth Science
Project: 2524013 - Beebe Road
Lab Order: 0508397

Lab ID: 0508397-01 **Collection Date:** 08/11/05 8:30:00 AM
Client Sample ID: BB - A1 - 6 **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 9:15:00 PM

Lab ID: 0508397-02 **Collection Date:** 08/12/05 5:05:00 PM
Client Sample ID: BB - A2 - 12 **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 **Collection Date:** 08/12/05 5:10:00 PM
Client Sample ID: BB - A3 - 18 **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 **Collection Date:** 08/12/05 5:15:00 PM
Client Sample ID: BB - A4 - 24 **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 **Collection Date:** 08/12/05 4:10:00 PM
Client Sample ID: BB - B1 - 6 **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 **Collection Date:** 08/12/05 4:15:00 PM
Client Sample ID: BB - B2 - 12 **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	B	Analyte detected in the associated Method Blank
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
S	Spike Recovery outside accepted recovery limits		

Teilson 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		EPA 6020A		(EPA 3050B)		Analyst: JN
Arsenic	1.54	0.537		mg/Kg	10.84	08/16/05 11:13:00 PM

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		EPA 6020A		(EPA 3050B)		Analyst: JN
Arsenic	2.28	0.533		mg/Kg	10.84	08/16/05 11:22:00 PM

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		EPA 6020A		(EPA 3050B)		Analyst: JN
Arsenic	0.712	0.545		mg/Kg	10.84	08/16/05 11:30:00 PM

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		EPA 6020A		(EPA 3050B)		Analyst: JN
Arsenic	0.834	0.546		mg/Kg	10.84	08/16/05 11:39:00 PM

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		EPA 6020A		(EPA 3050B)		Analyst: JN
Arsenic	4.08	0.540		mg/Kg	10.84	08/16/05 11:48:00 PM

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		EPA 6020A		(EPA 3050B)		Analyst: JN
Arsenic	3.07	0.548		mg/Kg	10.84	08/16/05 11:57:00 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

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

Neil 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: 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

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: 0508397-01AMSD	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: 0508397-21AMSD	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
- 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 8/12/05 Page 1 of 3.

Attention: MaryAnnAmann

Results and Invoice to: CES

Address:

Phone: Sampled By: MaryAnnAmann

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: MaryAnnAmann

Address: 225 S. Holly
Medford

Phone: 941 3999

SPECIAL INSTRUCTIONS:

5 Days -

☐ 4°C
☐ EPA JARS/VIALS WITH TEFLON LIDS
☐
☐

FIELD BLANK INCLUDED: ☐ YES ☐ NO

0508397 -

LAB ID	SAMPLE ID	DATE	TIME	SOIL/WATER OTHER	NO. OF CONTAINERS	ANALYSIS REQUEST: Arsenic Total	DEPTH	REMARKS/SAMPLE CONDITION
01A	BB-A1-6	8/11/05	0830	S	1	X		
02A	BB-A2-12	8/12/05	1705		1	X		
03A	BB-A3-18		1710		1	X		
04A	BB-A4-24		1715		1			HOLD
05A	BB-B1-6		1610		1	X		
06A	BB-B2-12		1615		1	X		
07A	BB-B3-18		1618		1	X		
~~-~~	~~BB-B4-24~~				~~1~~	~~HOLD~~		~~HOLD~~
08A	BB-C1-6		1550		1	X		
09A	BB-C2-12		1555		1	X		

RELINQUISHED BY (Sign and Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
Wayne Ericson / MaryAnnAmann	8/05 0830	Wayne Ericson	8/15/05 0830
		REC'D. BY (LABORATORY)	

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.

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 8/12/05 Page 2 of 3

Attention:

Results and Invoice to:

Address:

Phone: Sampled By:

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:

Attention:

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	Arsenic 200.8	DEPTH	REMARKS/SAMPLE CONDITION
17A	BB-C3-18	8/12/05	1600	Soil	1	X		
18A	BB-C4-24		1605		1			Hold
19A	BB-D1-6		1620		1	X		
20A	BB-D2-12		1625		1	X		
21A	BB-D3-18		1630		1	X		
22A	BB-D4-24		1635		1			Hold
	~~BB-D5-30~~				1			Hold

RELINQUISHED BY (Sign and Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
Mary Ann Armas	8/15/05 0830		8/15/05 0830
		REC'D. BY (LABORATORY)	

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.

NEILSON RESEARCH CORPORATI V
245 S. GRAPE ST. * MEDFORD, OR 97501-3123 * (541) 770-5678 * FAX (541) 770-2901
Environmental Testing Laboratory

Chain of Custody Record

Date 8/12/05 Page 3 of 3

Attention: ____
Results and Invoice to: ____
Address: ____
Phone: ____ Sampled By: ____
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 ____

NRC Page 1 of 1

PROJECT INFORMATION

Project Number: 2524013
Project Name: BB
Attention: MaryAnn.
Address: ____
Phone: ____

SPECIAL INSTRUCTIONS: ____

☐ 4°C
☐ EPA JARS/VIALS WITH TEFLON LIDS
☐
☐
FIELD BLANK INCLUDED: ☐ YES ☐ NO

0508397-

LAB ID	SAMPLE ID	DATE	TIME	SOIL/WATER OTHER	NO. OF CONTAINERS	ANALYSIS REQUEST: Arsenic total 200.8	DEPTH	REMARKS/SAMPLE CONDITION
10A	BB-F1-6	8/12/05	1530	Soil	1	X		
11A	BB-F2-12		1535		1	X		
12A	BB-F3-18		1540		1	X		
13A	BB-F4-24		1545		1			Hold
	~~BB-G1-6~~				~~1~~	~~X~~		~~Hold.~~
14A	BB-G2-12		1600		1	X		
15A	BB-H1-6	8/11/05	1800		1	X		
16A	BB-H2-12	8/11/05	1805		1	X		

RELINQUISHED BY (Sign and Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
[signature] / Mary Ann Amara	8/15/05 830	[signature]	8/15/05 0830
		REC'D. BY (LABORATORY)	

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.

Appendix D

Groundwater Sampling Boring Logs – June 2006

Ash Creek Associates, Inc.
Environmental and Geotechnical Consultants

Duncan Development
Medford, Oregon

Log Of Well Number **B-1**

Project Number **1141-00**

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

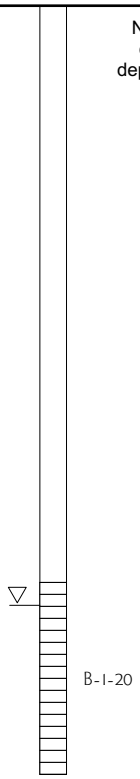
Drilling Equipment: Geoprobe 6600 | Logged By: KKB

Depth to Water (ATD): 15.6'

Depth, feet	Sample ID	Sample	Sample Recovery	PID Screening	Sheen	Material Description
						Grass surface with trace gravel to 1.0 foot.
						CLAY; brown, dry, slightly sandy, (medium stiff).
5						
						SAND; brown, moist, medium-grained, clayey, gravelly, (medium dense).
10						
						Becomes wet and more clayey at end of soil core.
15						CLAY; brown, wet, gravelly, sandy, (medium stiff).
20						Boring Terminated at 20.0' BGS.
25						
30						
35						

Remarks:

No staining or odor over full depth of boring.



Ash Creek Associates, Inc.
Environmental and Geotechnical Consultants

Duncan Development
Medford, Oregon

Log Of Well Number **B-2**

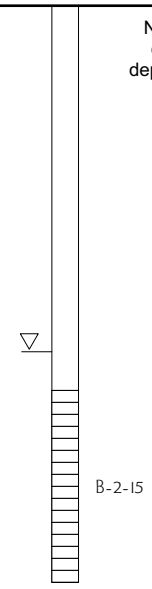
Project Number **1141-00**

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
0						CLAY; brown, moist, (stiff).
5						
						Becomes sandy.
						Becomes wet at end of soil core.
10						
						GRAVEL; brown-gray, wet, clayey, (medium dense).
						SAND; brown, wet, slightly clayey, sandy, (medium dense).
15						Boring Terminated at 15.0' BGS.
20						
25						
30						
35						

Remarks:

No staining or odor over full depth of boring.



Ash Creek Associates, Inc.
Environmental and Geotechnical Consultants

Duncan Development
Medford, Oregon

Log Of Well Number **B-3**

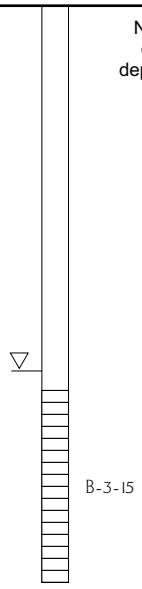
Project Number **1141-00**

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
0						CLAY; brown, moist, (stiff).
5						
						SAND; brown, moist, slightly gravelly, clayey, (medium dense).
						Becomes wet at end of soil core.
10						Becomes gravelly with trace clay.
15						Boring Terminated at 15.0' BGS.
20						
25						
30						
35						

Remarks:

No staining or odor over full depth of boring.



Ash Creek Associates, Inc.
Environmental and Geotechnical Consultants

Duncan Development
Medford, Oregon

Log Of Well Number **B-4**

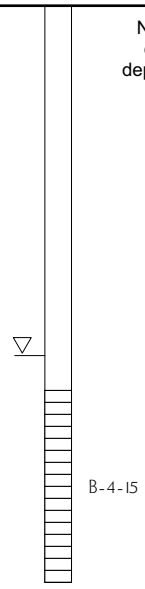
Project Number **1141-00**

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
0						CLAY; brown, moist, (stiff).
5						Sandy from 5.5 to 5.7 feet. Sandy from 6.0 to 6.25 feet.
10						GRAVEL; brown, wet, silty, sandy, (medium dense).
15						Boring Terminated at 15.0' BGS.
20						
25						
30						
35						

Remarks:

No staining or odor over full depth of boring.



Appendix E

Laboratory Data Report and Chain of Custody Documentation – November 2005

www.ncalabs.com

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.

Work	Project	ProjectNumber
P5K0632	Medford	[none]

Thank You,

Lisa Domenighini, Project Manager

www.ncalabs.com

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

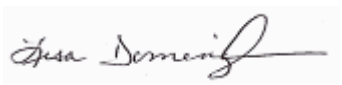
Project Name: **Medford**
Project Number: [none]
Project Manager: Michael Pickering

Report Created:
12/01/05 16:43

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



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Ash Creek Associates, Inc.
9615 SW Allen Blvd. Suite 106
Beaverton, OR 97005

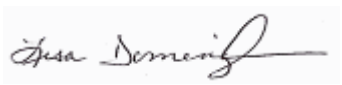
Project Name: **Medford**
Project Number: [none]
Project Manager: Michael Pickering

Report Created:
12/01/05 16:43

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



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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

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
1DW	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

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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 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	

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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	

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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	"	"	"	"	"	

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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
P5K0632-18	**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	

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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	

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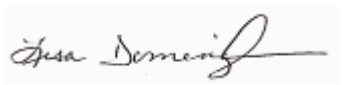
Ash Creek Associates, Inc.	Project Name:	**Medford**	
9615 SW Allen Blvd. Suite 106	Project Number:	[none]	Report Created:
Beaverton, OR 97005	Project Manager:	Michael Pickering	12/01/05 16:43

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	



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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
P5K0632-51 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	"	"	"	"	"	

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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
P5K0632-58 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	

Lisa Domenighini, Project Manager

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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
P5K0632-64	**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	

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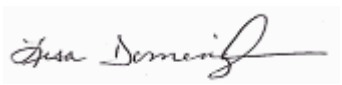
Ash Creek Associates, Inc.	Project Name:	**Medford**	
9615 SW Allen Blvd. Suite 106	Project Number:	[none]	Report Created:
Beaverton, OR 97005	Project Manager:	Michael Pickering	12/01/05 16:43

Total Metals per EPA 6000/7000 Series Methods

North Creek Analytical - Portland

Analyte			Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5K0632-75	**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	"	"	"	"	"	



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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
P5K0632-82 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	

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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 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	

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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

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

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Lisa Domenighini, Project Manager

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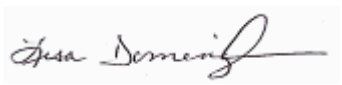
Ash Creek Associates, Inc.	Project Name:	**Medford**	
9615 SW Allen Blvd. Suite 106	Project Number:	[none]	Report Created:
Beaverton, OR 97005	Project Manager:	Michael Pickering	12/01/05 16:43

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



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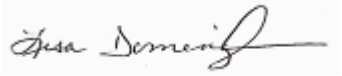
Ash Creek Associates, Inc.	Project Name:	**Medford**	
9615 SW Allen Blvd. Suite 106	Project Number:	[none]	Report Created:
Beaverton, OR 97005	Project Manager:	Michael Pickering	12/01/05 16:43

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



Lisa Domenighini, Project Manager

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Environmental Laboratory Network

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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	

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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	

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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	

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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
P5K0632-34	**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	

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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	

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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
P5K0632-56	**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	

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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	

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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	

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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	

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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	

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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: 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%	"	--	--	"	

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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: 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

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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: 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%	"	--	--	"	

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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	"	"	--	--	--	--	--	--	"	

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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
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

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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
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%	"	--	--	"	

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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

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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: 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%	"	--	--	"	

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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: 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

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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: 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

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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: 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	

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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	

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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

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*	

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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

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*	

Lisa Domenighini, Project Manager

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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	

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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: 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	

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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

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.

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3209 Denali St, Anchorage, AK 99503-4030 907-334-9200 FAX 334-9210

CHAIN OF CUSTODY REPORT

Work Order #: P5K0032

CLIENT: ASH CREEK ASSOCIATES
INVOICE TO:
REPORT TO: MICHAEL PICKERING
ADDRESS: 9615 SW ALLEN BLVD. BEAVERTON, OR
PHONE: 503.924.4704 FAX: 503.924.4707
P.O. NUMBER:
PROJECT NAME: 718 BEEBE RD.
PROJECT NUMBER: 1141-00
SAMPLED BY: Kirsten Boris

TURNAROUND REQUEST in Business Days *

Organic & Inorganic Analyses: ~~10~~ STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1

Petroleum Hydrocarbon Analyses: 5 STD. | 4 | 3 | 2 | 1 | <1

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE

REQUESTED ANALYSES

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	ARSENIC	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	TP-1/S-1	11/9/05 11:00	X	S	2		
2	TP-1/S-2	11/9/05 11:00	X	↓	2		
3	TP-1/S-3	11/9/05 11:00	X		2		
4	TP-1/S-4	11/9/05 11:00	X		2		
5	TP-1/S-5	11/9/05 11:00	X		2		
6	TP-2/S-1	11/9/05 11:23	X		2		
7	TP-2/S-2	11/9/05 11:23	X		2		
8	TP-2/S-3	11/9/05 11:23	X		2		
9	TP-2/S-4	11/9/05 11:23	X		2		
10	TP-2/S-5	11/9/05 11:23	X		2		

RELEASED BY: [signature] DATE: 11/15/05
PRINT NAME: MICHAEL J. PICKERING FIRM: ACA TIME: 1137
RECEIVED BY: [signature] DATE: 11/15/05
PRINT NAME: Bob F FIRM: NCA TIME: 11:37

RELEASED BY: [signature] DATE: 11/15/05
PRINT NAME: Bob F. FIRM: NCA TIME: 14:20
RECEIVED BY: [signature] DATE: 11/15/05
PRINT NAME: Cullie Fanshoe FIRM: NCA TIME: 1420

ADDITIONAL REMARKS:

TEMP: 5.9

PAGE OF

2.8, 3.1, 3.1

COC REV 1/03

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2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: PSK0032

NCA CLIENT: Ash Creek Associates
REPORT TO: Michael Pickering
ADDRESS: 9615 SW Allen Blvd. Beaverton, OR
PHONE: (503) 924-4709 FAX: (503) 924-4707

INVOICE TO:
P.O. NUMBER:

PROJECT NAME: 718 Beebe Rd.
PROJECT NUMBER: 1141-00
SAMPLED BY: Kirsten Boris

TURNAROUND REQUEST in Business Days *
Organic & Inorganic Analyses: STD. [X] | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: STD. 5 | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE	REQUESTED ANALYSES: ARSENIC	8081A PESTICIDE	CAM 17 METALS	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		

RELEASED BY: [signature] DATE: 11/15/05
PRINT NAME: Michael J. Pickering FIRM: ACA TIME: 1137

RECEIVED BY: [signature] DATE: 11/15/05
PRINT NAME: Bob F FIRM: NCA TIME: 11:37

RELEASED BY: [signature] DATE: 11/15/05
PRINT NAME: Bob P FIRM: NCA TIME: 14:20

RECEIVED BY: [signature] DATE: 11/15/05
PRINT NAME: Carrie Fahlsholz FIRM: NCA TIME: 1420

ADDITIONAL REMARKS:

TEMP:

COC REV 09/04

PAGE OF

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2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: PS100632

NCA CLIENT: Ash Creek Associates
REPORT TO: Michael Pickering
ADDRESS: 9615 SW Allen Blvd Beaverton, OR
PHONE: (503) 924-4704 FAX: (503) 924-4707

INVOICE TO:
P.O. NUMBER:

PROJECT NAME: 718 Beebe Rd.
PROJECT NUMBER: 1141-00
SAMPLED BY: Kirsten Boris

TURNAROUND REQUEST in Business Days *
Organic & Inorganic Analyses: [X] STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: [5] STD. | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE	REQUESTED ANALYSES: ARSENIC	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	TP-5/S-1	11/9/05 13:00		X	S	2 TPH-DRO		
2	TP-5/S-2	11/9/05 13:00		X		2		
3	TP-5/S-3	11/9/05 13:00		X		2		
4	TP-5/S-4	11/9/05 13:00		X		2		
5	TP-5/S-5	11/9/05 13:00		X		2		
6	TP-6/S-1	11/9/05 13:44		X		2		
7	TP-6/S-2	11/9/05 13:44		X		2		
8	TP-6/S-3	11/9/05 13:44		X		2		
9	TP-6/S-4	11/9/05 13:44		X		2		
10	TP-6/S-5	11/9/05 13:44		X		2		

RELEASED BY:		DATE: 11/15/05	RECEIVED BY:		DATE: 11/15/05
PRINT NAME: MICHAEL J. PICKERING	FIRM: ACA	TIME: 1137	PRINT NAME: BOB F	FIRM: NA	TIME: 11:37
RELEASED BY:		DATE: 11/15/05	RECEIVED BY:		DATE: 11/15/05
PRINT NAME: Bob F	FIRM: NA	TIME: 14:20	PRINT NAME:	FIRM: NCA	TIME: 1420

ADDITIONAL REMARKS:

TEMP:

COC REV 09/04

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2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: PSK01032

NCA CLIENT: Ash Creek Associates
REPORT TO: Michael Pickering
ADDRESS: 9615 SW Allen Blvd. Beaverton, OR
PHONE: (503)924-4704 FAX: (503)924-4707

INVOICE TO:
P.O. NUMBER:

PROJECT NAME: 718 Beebe Rd.
PROJECT NUMBER: 1141-00
SAMPLED BY: Kirsten Boris

TURNAROUND REQUEST in Business Days *
Organic & Inorganic Analyses: ~~STD.~~ 7 5 4 3 2 1 <1
Petroleum Hydrocarbon Analyses: 5 STD. 4 3 2 1 <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	ARSENIC	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	TP-7/S-1	11/9/05 14:24	X	S	2		
2	TP-7/S-2	11/9/05 14:24	X		2		
3	TP-7/S-3	11/9/05 14:24	X		2		
4	TP-7/S-4	11/9/05 14:24	X		2		
5	TP-7/S-5	11/9/05 14:24	X		2		
6	TP-8/S-1	11/10/05 8:10	X		2		
7	TP-8/S-2	11/10/05 8:10	X		2		
8	TP-8/S-3	11/10/05 8:10	X		2		
9	TP-8/S-4	11/10/05 8:10	X		2		
10	TP-8/S-5	11/10/05 8:10	X		2		

PRESERVATIVE
REQUESTED ANALYSES

RELEASED BY: [signature] DATE: 11/15/05
PRINT NAME: MICHAEL J. PICKERING FIRM: ACA TIME: 1137

RECEIVED BY: [signature] DATE: 11/15/05
PRINT NAME: Bob F FIRM: NCA TIME: 11:37

RELEASED BY: [signature] DATE: 11/15/05
PRINT NAME: Bob F FIRM: NCA TIME: 14:20

RECEIVED BY: [signature] DATE: 11/15/05
PRINT NAME: William Fahrendorf FIRM: NCA TIME: 1420

ADDITIONAL REMARKS:

TEMP:

COC REV 09/04

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CHAIN OF CUSTODY REPORT

Work Order #: PSK0632

NCA CLIENT: Ash Creek Associates
REPORT TO: Michael Pickering
ADDRESS: 9615 SW Allen Blvd. Beaverton, OR
PHONE: (503) 924-4704 FAX: (503) 924-4707

INVOICE TO:
P.O. NUMBER:

PROJECT NAME: 718 Beebe Rd.
PROJECT NUMBER: 1141-00
SAMPLED BY: Kirsten Boris

TURNAROUND REQUEST in Business Days *
Organic & Inorganic Analyses: ~~10~~ STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: 5 STD. | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE: ARSENIC	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	TP-9/S-1	11/10/05 8:45	X	S	2		
2	TP-9/S-2	11/10/05 8:45	X		2		
3	TP-9/S-3	11/10/05 8:45	X		2		
4	TP-9/S-4	11/10/05 8:45	X		2		
5	TP-9/S-5	11/10/05 8:45	X		2		
6	TP-10/S-1	11/10/05 9:45	X		2		
7	TP-10/S-2	11/10/05 9:45	X		2		
8	TP-10/S-3	11/10/05 9:45	X		2		
9	TP-10/S-4	11/10/05 9:45	X		2		
10	TP-10/S-5	11/10/05 9:45	X		2		

RELEASED BY: [signature] DATE: 11/15/05
PRINT NAME: MICHAEL J. PICKERING FIRM: NCA TIME: 1137

RECEIVED BY: [signature] DATE: 11/15/05
PRINT NAME: BOB F FIRM: NCA TIME: 11:37

RELEASED BY: [signature] DATE: 11/15/05
PRINT NAME: Bob F FIRM: NCA TIME: 14:20

RECEIVED BY: [signature] DATE: 11/15/05
PRINT NAME: Christi Fanshier FIRM: NCA TIME: 1420

ADDITIONAL REMARKS:

TEMP:

COC REV 09/04

PAGE OF

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-9508 | 425-420-9200 | FAX 420-9210
11115 E Montgomery Suite B, Spokane, WA 99206-4776 | 509-924-9200 | FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7132 | 503-906-9200 | FAX 906-9210 ✓
20332 Empire Ave Suite F-1, Bend, OR 99701-5711 | 541-383-9310 | FAX 382-7588
3209 Denali St, Anchorage, AK 99503-4030 | 907-334-9200 | FAX 334-9210

CHAIN OF CUSTODY REPORT

Work Order #: PSK0032

CLIENT: Ash Creek Associates
REPORT TO: Michael Pickering
ADDRESS: 9615 SW Allen Blvd. Beaverton, OR
PHONE: (503) 924-4704 FAX: (503) 924-4707
INVOICE TO:
P.O. NUMBER:
PROJECT NAME: 718 Beebe Rd
PROJECT NUMBER: 1141-00
SAMPLED BY: Kirsten Boris

TURNAROUND REQUEST in Business Days *
Organic & Inorganic Analyses: [X] 10 STD. / 7 / 5 / 4 / 3 / 2 / 1 / <1
Petroleum Hydrocarbon Analyses: 5 STD. / 4 / 3 / 2 / 1 / <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE / REQUESTED ANALYSES

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	ARSENIC	8081A PESTICIDES	CAM17 METALS	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	SS-1	11/10/05 13:~~40~~ 50	X			S	2		
2	SS-2	11/10/05 13:~~50~~ 40		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		

RELEASED BY: [signature]	DATE: 11/15/05	RECEIVED BY: [signature]	DATE: 11/15/05
PRINT NAME: MICHAEL J. PICKERING FIRM: ACA	TIME: 1137	PRINT NAME: Bob F FIRM: NCA	TIME: 11:37
RELEASED BY: [signature]	DATE: 11/15/05	RECEIVED BY: [signature]	DATE: 11/15/05
PRINT NAME: Bob F FIRM: NCA	TIME: 14:20	PRINT NAME: Cullifansler FIRM: NCA	TIME: 1420

ADDITIONAL REMARKS:

TEMP:

PAGE OF

COC REV 1/03

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 #: PSK1132

NCA CLIENT: Ash Creek Associates
REPORT TO: Michael Pickering
ADDRESS: 9615 SW Allen Blvd. Beaverton, OR
PHONE: (503)924-4704 FAX: (503)924-4707

INVOICE TO:
P.O. NUMBER:

PROJECT NAME: 718 Beebe Rd.
PROJECT NUMBER: 1141-00
SAMPLED BY: Kirsten Boris

TURNAROUND REQUEST in Business Days *
Organic & Inorganic Analyses: [X] STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: 5 STD. | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	SS-11	11/11/05 8:42	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		

PRESERVATIVE
REQUESTED ANALYSES
MTBE/BTEX

RELEASED BY: Michael J. Pickering DATE: 11/15/05
PRINT NAME: Michael J. Pickering FIRM: NCA TIME: 1137
RECEIVED BY: Bob F DATE: 11/15/05
PRINT NAME: Bob F FIRM: NCA TIME: 11:37

RELEASED BY: Bob F DATE: 11/15/05
PRINT NAME: Bob F FIRM: NCA TIME: 14:20
RECEIVED BY: [illegible] DATE: 11/15/05
PRINT NAME: [illegible] FIRM: NCA TIME: 1420

ADDITIONAL REMARKS:

TEMP:

COC REV 09/04

PAGE OF

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 #: P5K0037

NCA CLIENT: Ash Creek Associates
REPORT TO: Michael Pickering
ADDRESS: 9615 SW Allen Blvd. Beaverton OR
PHONE: 503-924-4704 FAX: 503-924-4707

INVOICE TO:
P.O. NUMBER:

PROJECT NAME: 718 Beebe Rd.
PROJECT NUMBER: 1141-00
SAMPLED BY: Kirsten Bons

TURNAROUND REQUEST in Business Days *
Organic & Inorganic Analyses: [X] STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: 5 STD. | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE	REQUESTED ANALYSES: HARDNESS	BOBIA PESTICIDES	CAM 17 METALS	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	SS-21	11/11/05 9:20		X			S	2 2nd MWP		
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										

RELEASED BY: [signature] DATE: 11/15/05
PRINT NAME: Michael J. Pickering FIRM: ACA TIME: 1137

RECEIVED BY: [signature] DATE: 11/15/05
PRINT NAME: Bob F FIRM: NCA TIME: 11:37

RELEASED BY: [signature] DATE: 11/15/05
PRINT NAME: Bob F FIRM: NCA TIME: 14:20

RECEIVED BY: [signature] DATE: 11/15/05
PRINT NAME: Cullen Fahsholtz FIRM: NCA TIME: 1420

ADDITIONAL REMARKS:

TEMP:

COC REV 09/04

PAGE OF

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 #: PSK0632

NCA CLIENT: ASH CREEK ASSOCIATES
REPORT TO: MICHAEL PICKERING
ADDRESS: 9615 SW ALLEN BLVD BEAVERTON, OR 97005
PHONE: 503 924 4704 FAX: 503 924 4707

INVOICE TO:
P.O. NUMBER:

PROJECT NAME: 718 BEEBE RD.
PROJECT NUMBER: 1141-00
SAMPLED BY: KIRSTEN BOYLES

TURNAROUND REQUEST in Business Days *
Organic & Inorganic Analyses: 10 STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: 5 STD. | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE: ARSENIC	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	SG-5 DUP	11/10/05 14:52	X	S	2		
2	TP-3/S-4 DUP	11/9/05 12:00	X		2		
3	TP-7/S-1 DUP	↓ 14:24	X		2		
4	TP-10/S-2 DUP	11/10/05 9:45	X		2		
5	IDW	11/11/05 7:30	X	W	1		
6							
7							
8							
9							
10							

RELEASED BY: [signature] DATE: 11/15/05
PRINT NAME: MICHAEL J. PICKERING FIRM: ACA TIME: 1137

RECEIVED BY: [signature] DATE: 11/15/05
PRINT NAME: BOB F FIRM: NCA TIME: 11:37

RELEASED BY: [signature] DATE: 11/15/05
PRINT NAME: BOB F FIRM: NCA TIME: 14:20

RECEIVED BY: [signature] DATE: 11/15/05
PRINT NAME: CHRISTA HOLTZ FIRM: NCA TIME: 1420

ADDITIONAL REMARKS:

TEMP:

COC REV 09/04

PAGE OF

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) Callie Fahsholtz (sign) [signature]

2. Date samples received 11/15/05 Date opened: Same X or ___/___/___

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) 2.9 Raytek thermometer _____ Digi-Therm (probe temperature blank)

   3.1, 3.1, 4 less 0.8 = 3.5

7. Are custody papers sealed in a plastic bag and taped inside to lid? ___ Yes X No

8. Were custody papers filled out properly (ink, signed, etc.)? ✓ Yes ___ No

   If "no" please specify: _____

9. Was project identifiable from custody papers? X Yes ___ No

   Name of project 418 Beckx Rd (if applicable)

10. **Initial and date for unpacking:** [initials] **(initials)** **date** 11/15/05

11. Packing material: ___bubble wrap/bag ___styrofoam ___cardboard _____other

12. Were samples in bags? ___ Yes X No

13. Did all containers indicated on the COC arrive? X Yes ___ No

    If "no" please indicate which containers were absent _____

14. Were all containers unbroken and labels in good condition? X Yes ___ No

    If "no" please indicate which containers _____

15. Were all bottle labels complete (ID, date, time, signature, etc.)? X Yes ___ No

    Do the IDs, times, etc. agree with the COC? X 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:** ___/___/___ **Elm Project # P** 516032

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

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-97132
ph: (503) 906.9200 fax: (503) 906.9210

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.

Work Order	Project	ProjectNumber
PPD0824	718 Beebe Rd.	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 W. Auvil

Darrell Auvil, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-97132
ph: (503) 906.9200 fax: (503) 906.9210

Ash Creek Associates, Inc.	Project Name:	**718 Beebe Rd.**	
9615 SW Allen Blvd. Suite 106	Project Number:	1141-00	Report Created:
Beaverton, OR 97005	Project Manager:	Michael Pickering	05/04/06 15:29

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

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-97132
ph: (503) 906.9200 fax: (503) 906.9210

Ash Creek Associates, Inc.	Project Name:	**718 Beebe Rd.**	
9615 SW Allen Blvd. Suite 106	Project Number:	1141-00	Report Created:
Beaverton, OR 97005	Project Manager:	Michael Pickering	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 W. Auvil

Darrell Auvil, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-97132
ph: (503) 906.9200 fax: (503) 906.9210

Ash Creek Associates, Inc.	Project Name: **718 Beebe Rd.**	
9615 SW Allen Blvd. Suite 106	Project Number: 1141-00	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	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	

Darrell Auvil, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-97132
ph: (503) 906.9200 fax: (503) 906.9210

Ash Creek Associates, Inc.	Project Name: **718 Beebe Rd.**	
9615 SW Allen Blvd. Suite 106	Project Number: 1141-00	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	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	

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Ash Creek Associates, Inc.	Project Name: **718 Beebe Rd.**	
9615 SW Allen Blvd. Suite 106	Project Number: 1141-00	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	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	"	"	"	"	"	

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Ash Creek Associates, Inc.	Project Name: **718 Beebe Rd.**	
9615 SW Allen Blvd. Suite 106	Project Number: 1141-00	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	05/04/06 15:29

Total Metals per EPA 6000/7000 Series Methods

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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	

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Ash Creek Associates, Inc.	Project Name: **718 Beebe Rd.**	
9615 SW Allen Blvd. Suite 106	Project Number: 1141-00	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	05/04/06 15:29

Total Metals per EPA 6000/7000 Series Methods

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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	

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Ash Creek Associates, Inc.	Project Name: **718 Beebe Rd.**	
9615 SW Allen Blvd. Suite 106	Project Number: 1141-00	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	05/04/06 15:29

Total Metals per EPA 6000/7000 Series Methods

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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	

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Ash Creek Associates, Inc.	Project Name: **718 Beebe Rd.**	
9615 SW Allen Blvd. Suite 106	Project Number: 1141-00	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	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**						

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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**						

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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**						

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Darrell W. Auvil

Darrell Auvil, Project Manager

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ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-97132
ph: (503) 906.9200 fax: (503) 906.9210

Ash Creek Associates, Inc.	Project Name: **718 Beebe Rd.**	
9615 SW Allen Blvd. Suite 106	Project Number: 1141-00	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	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**						

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Darrell Auvil, Project Manager

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-97132
ph: (503) 906.9200 fax: (503) 906.9210

Ash Creek Associates, Inc.	Project Name: **718 Beebe Rd.**	
9615 SW Allen Blvd. Suite 106	Project Number: 1141-00	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	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**						

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Darrell W. Auvil

Darrell Auvil, Project Manager

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
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Ash Creek Associates, Inc.	Project Name: **718 Beebe Rd.**	
9615 SW Allen Blvd. Suite 106	Project Number: 1141-00	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	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	

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-97132
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Ash Creek Associates, Inc.	Project Name: **718 Beebe Rd.**	
9615 SW Allen Blvd. Suite 106	Project Number: 1141-00	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	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

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-97132
ph: (503) 906.9200 fax: (503) 906.9210

Ash Creek Associates, Inc.	Project Name: **718 Beebe Rd.**	
9615 SW Allen Blvd. Suite 106	Project Number: 1141-00	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	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%	"	--	--	"	

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
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Ash Creek Associates, Inc.	Project Name: **718 Beebe Rd.**	
9615 SW Allen Blvd. Suite 106	Project Number: 1141-00	Report Created:
Beaverton, OR 97005	Project Manager: Michael Pickering	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	

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PORTLAND, OR 9405 S.W. NIMBUS AVENUE
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ph: (503) 906.9200 fax: (503) 906.9210

Ash Creek Associates, Inc.	Project Name:	**718 Beebe Rd.**	
9615 SW Allen Blvd. Suite 106	Project Number:	1141-00	Report Created:
Beaverton, OR 97005	Project Manager:	Michael Pickering	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 Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* 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

nca

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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 #: PPD0824

NCA CLIENT: Ash Creek Associates
REPORT TO: Michael Pickering
ADDRESS: 9615 SW Allen Blvd. Ste. 106 Beaverton, OR 97005
PHONE: 503.924.4704 FAX: 503.924.4707

INVOICE TO: same
P.O. NUMBER:

PROJECT NAME: 718 Beebe Rd.
PROJECT NUMBER: 1141-00
SAMPLED BY: K. Boris

TURNAROUND REQUEST (in Business Days *)
Organic & Inorganic Analyses: [X] STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: 5 STD. | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE: EPA 6000/7000 Series Arsenic	PRESERVATIVE: EPA 6000/7000 Series Lead	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	TP-13-1	4/17/06 8:00	X	X	S	1		
2	TP-13-2	4/17/06 8:01	X		S	1		
3	TP-12-1	4/17/06 8:10	X	X	S	1		
4	TP-12-2	4/17/06 8:11	X		S	1		
5	TP-14-1	4/17/06 8:15	X	X	S	1		
6	TP-14-2	4/17/06 8:16	X		S	1		
7	TP-15-1	4/17/06 8:22	X	X	S	1		
8	TP-15-2	4/17/06 8:23	X		S	1		
9	TP-16-1	4/17/06 9:06	X	X	S	1		
10	TP-16-2	4/17/06 9:07	X		S	1		

RELEASED BY: Kirsten Boris DATE: 4/18/06
PRINT NAME: Kirsten Boris FIRM: Ash Creek TIME: 16:35

RECEIVED BY: DATE: 4-18-06
PRINT NAME: Allison Crenk FIRM: NCA TIME: 16:35

RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS:

1.9 2.1

TEMP:

COC REV 09/04

PAGE OF

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: Ash Creek Associates
REPORT TO: Michael Pickering
ADDRESS: 9615 SW Allen Blvd. Ste. 104 Beaverton, OR 97005
PHONE: 503.924.4704 FAX: 503.924.4707
PROJECT NAME: 718 Broad Rd.
PROJECT NUMBER: 114-1-06
SAMPLED BY: K. Boris

INVOICE TO: Same
P.O. NUMBER:

TURNAROUND REQUEST in Business Days *
Organic & Inorganic Analyses: [X] STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: 5 STD | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE: Unpreserved Soil	PRESERVATIVE: Unpreserved Soil	REQUESTED ANALYSES: EPA 6020/7060 Soil Arsenic	REQUESTED ANALYSES: EPA 6020/7060 Soil Lead	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	TP-17-1	4/17/06 9:00			X	X	S	1		
2	TP-17-2	4/17/06 9:01			X		S	1		
3	TP-18-1	4/17/06 9:14			X	X	S	1		
4	TP-18-2	4/17/06 9:15			X		S	1		
5	TP-19-1	4/17/06 9:20			X	X	S	1		
6	TP-19-2	4/17/06 9:21			X		S	1		
7	TP-20-1	4/17/06 10:00			X	X	S	1		
8	TP-20-2	4/17/06 10:01			X		S	1		
9	TP-21-1	4/17/06 9:52			X	X	S	1		
10	TP-21-2	4/17/06 9:53			X		S	1		

RELEASED BY: Kirsten Boris DATE: 4/18/06
PRINT NAME: Kirsten Boris FIRM: Ash Creek TIME: 16:35

RECEIVED BY: DATE: 4-19-06
PRINT NAME: FIRM: NCA TIME: 10:35

RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS:

TEMP: 1.9 2.1

COC REV 09/04

PAGE OF

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: Ash Creek Associates
REPORT TO: Michael Pickering
ADDRESS: 11615 SW Allen Blvd. Ste. 101 Beaverton, OR 97005
PHONE: 503-924-4704 FAX: 503-924-4707

INVOICE TO: Same
P.O. NUMBER:

PROJECT NAME: 718 Peace Rd.
PROJECT NUMBER: 11-1-00
SAMPLED BY: K. Boris

TURNAROUND REQUEST (in Business Days *)
Organic & Inorganic Analyses: [X] STD | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: 5 STD | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE: EPA 6020/200.8 Arsenic	PRESERVATIVE: EPA 6020/200.8 Lead	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	TP-22-1	4/17/06 11:18	X	X	S	1		
2	TP-22-2	4/17/06 11:19	X		S	1		
3	TP-23-1	4/17/06 11:25	X	X	S	1		
4	TP-23-2	4/17/06 11:26	X		S	1		
5	TP-24-1	4/17/06 10:10	X	X	S	1		
6	TP-24-2	4/17/06 10:11	X		S	1		
7	TP-25-1	4/17/06 10:19	X	X	S	1		
8	TP-25-2	4/17/06 10:20	X		S	1		
9	TP-26-1	4/17/06 11:40	X	X	S	1		
10	TP-26-2	4/17/06 11:41	X		S	1		

REQUESTED ANALYSES

RELEASED BY: Kirsten Boris	DATE: 4/18/06	RECEIVED BY:	DATE:
PRINT NAME: Kirsten Boris FIRM: Ash Creek	TIME: 16:35	PRINT NAME: Allison Cumm FIRM: NCA	TIME: 16:3
RELEASED BY:	DATE:	RECEIVED BY:	DATE:
PRINT NAME: FIRM:	TIME:	PRINT NAME: FIRM:	TIME:

ADDITIONAL REMARKS:

1.9 2.1

TEMP:

COC REV 09/04

PAGE OF

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: Ash Creek Associates
REPORT TO: Michael Pickering
ADDRESS: 9615 SW Allen Blvd. Ste. 104 Beaverton, OR 97005
PHONE: 503-924-4704 FAX: 503-924-4707

INVOICE TO: Same
P.O. NUMBER:

PROJECT NAME: 718 Parker Rd.
PROJECT NUMBER: 11-P1-006
SAMPLED BY: K. Boris

TURNAROUND REQUEST
in Business Days *
Organic & Inorganic Analyses: STD [X] | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: STD | 5 | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE: Unpreserved	PRESERVATIVE: HCl	REQUESTED ANALYSES: EPA 6000/7000 Series Arsenic	REQUESTED ANALYSES: EPA 6000/7000 Series Lead	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	TP-27-1	4/17/06 11:32			X	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	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	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	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	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: DATE: 4-18-06
PRINT NAME: Allison Crowe FIRM: NCA TIME: 16:35

RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS:

1.9 2.1

TEMP:

COC REV 09/04

PAGE OF

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: Ash Creek Associates
REPORT TO: Michael Pickering
ADDRESS: 9615 SW Allen Blvd. Ste. 104 Beaverton, OR 97005
PHONE: 503-924-4704 FAX: 503-924-4797

INVOICE TO: Same
P.O. NUMBER:

PROJECT NAME: 718 Brace Rd.
PROJECT NUMBER: 11 Pines
SAMPLED BY: K. Boris

TURNAROUND REQUEST
In Business Days *
Organic & Inorganic Analyses: STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: 5 STD | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE: EPA 6020/200.8 Arsenic	PRESERVATIVE: EPA 6020/200.8 Lead	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	TP-32-1	4/17/06 15:56	X	X	S	1		
2	TP-33-1	4/17/06 15:37	X	X	S	1		
3	TP-33-2	4/17/06 15:38	X		S	1		
4	TP-34-1	4/17/06 13:23	X	X	S	1		
5	TP-34-2	4/17/06 13:24	X		S	1		
6	TP-35-1	4/17/06 13:17	X	X	S	1		
7	TP-35-2	4/17/06 13:18	X		S	1		
8	TP-36-1	4/17/06 16:20	X	X	S	1		
9	TP-37-1	4/17/06 15:00	X	X	S	1		
10	TP-38-1	4/17/06 13:43	X	X	S	1		

REQUESTED ANALYSES

RELEASED BY: Kirsten Boris DATE: 4/18/06
PRINT NAME: Kirsten Boris FIRM: Ash Creek TIME: 16:35

RECEIVED BY: [signature] DATE: 4-18-06
PRINT NAME: ALLISON RICH FIRM: NCA TIME: 16:35

RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS:

TEMP: 1.9 2.1

COC REV 09/04

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: Ash Creek Associates
REPORT TO: Michael Pickering
ADDRESS: 9615 SW Allen Blvd. Ste. 104 Beaverton, OR 97005
PHONE: 503-924-4704 FAX: 503-924-4797

INVOICE TO: same
P.O. NUMBER:

PROJECT NAME: 718 Rose Rd.
PROJECT NUMBER: 11-11-06
SAMPLED BY: K. Boris

TURNAROUND REQUEST
in Business Days *
Organic & Inorganic Analyses: (STD) 7 5 4 3 2 1 <1
Petroleum Hydrocarbon Analyses: 5 (STD) 4 3 2 1 <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE: EPA 200.7 Total Arsenic	PRESERVATIVE: EPA 200.8 Total Arsenic	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	TP-38-2	4/17/06 13:44	X		S	1		
2	TP-39-1	4/17/06 13:51	X	X	S	1		
3	TP-39-2	4/17/06 13:52	X		S	1		
4								
5								
6								
7								
8								
9								
10								

REQUESTED ANALYSES

RELEASED BY: Kirsten Boris — DATE: 4/18/06
PRINT NAME: Kirsten Boris — FIRM: Ash Creek — TIME: 16:35

RECEIVED BY: — DATE: 4-18-06
PRINT NAME: — FIRM: NCA — TIME: 16:35

RELEASED BY: — DATE:
PRINT NAME: — FIRM: — TIME:

RECEIVED BY: — DATE:
PRINT NAME: — FIRM: — TIME:

ADDITIONAL REMARKS:

COC REV 09/04

TEMP: 1.9 2.1

PAGE OF

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: Ash Creek Associates

REPORT TO: Michael Pickering
ADDRESS: 9615 SW Allen Blvd. Ste. 106
Beaverton, OR 97005
PHONE: 503.924.4704 FAX: 503.924.4707

INVOICE TO: same

P.O. NUMBER:

PROJECT NAME: 718 Beebe Rd.

PROJECT NUMBER: 1141-00

SAMPLED BY: K. Boris

TURNAROUND REQUEST in Business Days *

Organic & Inorganic Analyses: 10 STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1

Petroleum Hydrocarbon Analyses: 5 STD. | 4 | 3 | 2 | 1 | <1

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE: 6000/7000 Series Arsenic	PRESERVATIVE: 6000/7000 Series Lead	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	TP-13-1	4/17/06 8:00	X	X	S	1		
2	TP-13-2	4/17/06 8:01	X		S	1		
3	TP-12-1	4/17/06 8:10	X	X	S	1		
4	TP-12-2	4/17/06 8:11	X		S	1		
5	TP-14-1	4/17/06 8:15	X	X	S	1		
6	TP-14-2	4/17/06 8:16	X		S	1		
7	TP-15-1	4/17/06 8:22	X	X	S	1		
8	TP-15-2	4/17/06 8:23	X		S	1		
9	TP-16-1	4/17/06 9:06	X	X	S	1		
10	TP-16-2	4/17/06 9:07	X		S	1		

RELEASED BY: Kirsten Boris DATE: 4/18/06
PRINT NAME: Kirsten Boris FIRM: Ash Creek TIME: 16:35

RECEIVED BY: DATE: 4.18.06
PRINT NAME: Allison Crenk FIRM: NCA TIME: 16:35

RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS:

1.9 2.1

TEMP:

COC REV 09/04

PAGE OF

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: Ash Creek Associates
REPORT TO: Michael Pickering
ADDRESS: 9615 SW Allen Blvd. Ste. 106, Beaverton, OR 97005
PHONE: 503.924.4704 FAX: 503.924.4707
PROJECT NAME: 718 Beebe Rd.
PROJECT NUMBER: 1141-00
SAMPLED BY: K. Boris

INVOICE TO: same
P.O. NUMBER:

TURNAROUND REQUEST in Business Days *
Organic & Inorganic Analyses: [X] STD, 7, 5, 4, 3, 2, 1, <1
Petroleum Hydrocarbon Analyses: 5 STD, 4, 3, 2, 1, <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE / REQUESTED ANALYSES

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	EPA 6000/7000 Series Arsenic	EPA 6000/7000 Series Lead	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	TP-17-1	4/17/06 9:00	X	X	S	1		
2	TP-17-2	4/17/06 9:01	X		S	1		
3	TP-18-1	4/17/06 9:14	X	X	S	1		
4	TP-18-2	4/17/06 9:15	X		S	1		
5	TP-19-1	4/17/06 9:20	X	X	S	1		
6	TP-19-2	4/17/06 9:21	X		S	1		
7	TP-20-1	4/17/06 10:00	X	X	S	1		
8	TP-20-2	4/17/06 10:01	X		S	1		
9	TP-21-1	4/17/06 9:52	X	X	S	1		
10	TP-21-2	4/17/06 9:53	X		S	1		

RELEASED BY: DATE: 4/18/06
PRINT NAME: Kirsten Boris FIRM: Ash Creek TIME: 16:35
RECEIVED BY: DATE: 4-18-06
PRINT NAME: Allison Greenup FIRM: NCA TIME: 16:35

RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:
RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS:
TEMP: 1.9 2.1

COC REV 09/04

NCA

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: Ash Creek Associates
REPORT TO: Michael Pickering
ADDRESS: 9615 SW Allen Blvd. Ste. 106, Beaverton, OR 97005
PHONE: 503.924.4704 FAX: 503.924.4707
PROJECT NAME: 718 Beebe Rd.
PROJECT NUMBER: 1141-00
SAMPLED BY: K. Boris

INVOICE TO: same
P.O. NUMBER:

TURNAROUND REQUEST in Business Days*
Organic & Inorganic Analyses: [X] STD. 10, 7, 5, 4, 3, 2, 1, <1
Petroleum Hydrocarbon Analyses: 5 STD., 4, 3, 2, 1, <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE

REQUESTED ANALYSES: EPA 6000/7000 Series Arsenic; EPA 6000/7000 Series Lead

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	EPA 6000/7000 Series Arsenic	EPA 6000/7000 Series Lead	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	TP-22-1	4/17/06 11:18	X	X	S	1		
2	TP-22-2	4/17/06 11:19	X		S	1		
3	TP-23-1	4/17/06 11:25	X	X	S	1		
4	TP-23-2	4/17/06 11:26	X		S	1		
5	TP-24-1	4/17/06 10:10	X	X	S	1		
6	TP-24-2	4/17/06 10:11	X		S	1		
7	TP-25-1	4/17/06 10:19	X	X	S	1		
8	TP-25-2	4/17/06 10:20	X		S	1		
9	TP-26-1	4/17/06 11:40	X	X	S	1		
10	TP-26-2	4/17/06 11:41	X		S	1		

RELEASED BY: [signature] DATE: 4/18/06
PRINT NAME: Kirsten Boris FIRM: Ash Creek TIME: 16:35
RECEIVED BY: [signature] DATE:
PRINT NAME: Allison [illegible] FIRM: NCA TIME: 16:3

RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:
RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS:
1.9 2.1
TEMP:

COC REV 09/04

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: Ash Creek Associates

REPORT TO: Michael Pickering

ADDRESS: 9615 SW Allen Blvd. Ste. 106
Beaverton, OR 97005

PHONE: 503.924.4704 FAX: 503.924.4707

INVOICE TO: same

P.O. NUMBER:

PROJECT NAME: 718 Beebe Rd.

PROJECT NUMBER: 114-1-00

SAMPLED BY: K. Boris

TURNAROUND REQUEST
in Business Days *
Organic & Inorganic Analyses: 10 STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: 5 STD. | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE

REQUESTED ANALYSES

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	EPA 6010/7000 Arsenic	EPA 6010/7000 Lead	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	TP-27-1	4/17/06 11:32	X	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	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	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	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	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: DATE: 4-18-06
PRINT NAME: ALLISON LECHNER FIRM: NCA TIME: 16:35

RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS:

1.9 2.1

TEMP:

COC REV 09/04

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: Ash Creek Associates
REPORT TO: Michael Pickering
ADDRESS: 9615 SW Allen Blvd. Ste. 106 Beaverton, OR 97005
PHONE: 503-924-4704 FAX: 503-924-4797

INVOICE TO: same
P.O. NUMBER:

PROJECT NAME: 718 Beaver Rd.
PROJECT NUMBER: 114-1-00
SAMPLED BY: K. Boris

TURNAROUND REQUEST in Business Days *
Organic & Inorganic Analyses: 10 STD | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: 5 STD | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE: Unpreserved	PRESERVATIVE: H2SO4	REQUESTED ANALYSES: EPA 6010B Arsenic	REQUESTED ANALYSES: EPA 6010B Lead	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	TP-32-1	4/17/06 15:56			X	X	S	1		
2	TP-33-1	4/17/06 15:37			X	X	S	1		
3	TP-33-2	4/17/06 15:38			X		S	1		
4	TP-34-1	4/17/06 13:23			X	X	S	1		
5	TP-34-2	4/17/06 13:24			X		S	1		
6	TP-35-1	4/17/06 13:17			X	X	S	1		
7	TP-35-2	4/17/06 13:18			X		S	1		
8	TP-36-1	4/17/06 16:20			X	X	S	1		
9	TP-37-1	4/17/06 15:00			X	X	S	1		
10	TP-38-1	4/17/06 13:43			X	X	S	1		

RELEASED BY: Kirsten Boris DATE: 4/18/06
PRINT NAME: Kirsten Boris FIRM: Ash Creek TIME: 16:35

RECEIVED BY: [signature] DATE: 4-18-06
PRINT NAME: ALLISON RICHARDS FIRM: NCA TIME: 16:35

RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS:

TEMP: 1.9 2.1

COC REV 09/04

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: Ash Creek Associates
REPORT TO: Michael Pickering
ADDRESS: 9615 SW Allen Blvd. Ste. 104 Beaverton, OR 97005
PHONE: 503.924.4704 FAX: 503.924.4707

INVOICE TO: same
P.O. NUMBER:

PROJECT NAME: 718 Beaver Rd.
PROJECT NUMBER: 114-1-00
SAMPLED BY: K. Boris

TURNAROUND REQUEST
In Business Days *
Organic & Inorganic Analyses: [10 STD.] 7 5 4 3 2 1 <1
Petroleum Hydrocarbon Analyses: [5 STD.] 4 3 2 1 <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE: EPA Inorganic Arsenic	PRESERVATIVE: EPA Inorganic Lead	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1 TP-38-2	4/17/06 13:44	X		S	1		
2 TP-39-1	4/17/06 13:51	X	X	S	1		
3 TP-39-2	4/17/06 13:52	X		S	1		
4							
5							
6							
7							
8							
9							
10							

RELEASED BY: Kirsten Boris DATE: 4/18/06
PRINT NAME: Kirsten Boris FIRM: Ash Creek TIME: 16:35

RECEIVED BY: Allison Craft DATE: 4.18.06
PRINT NAME: Allison Craft FIRM: NCA TIME: 16:35

RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS:

TEMP: 19 21

COC REV 09/04

Appendix G

Laboratory Data Report and Chain of Custody Documentation – June 2006

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

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.

Work Order	Project	ProjectNumber
PPF1318	Duncan Development	1141-00

Darrell W. Auvil

Darrell Auvil, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Ash Creek Associates, Inc.	Project Name:	**Duncan Development**	
9615 SW Allen Blvd. Suite 106	Project Number:	1141-00	Report Created:
Beaverton, OR 97005	Project Manager:	Amanda Spencer	07/17/06 17:33

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 W. Auvil

Darrell Auvil, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Ash Creek Associates, Inc.	Project Name: **Duncan Development**	
9615 SW Allen Blvd. Suite 106	Project Number: 1141-00	Report Created:
Beaverton, OR 97005	Project Manager: Amanda Spencer	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	

Darrell W. Auvil

Darrell Auvil, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Ash Creek Associates, Inc.	Project Name: **Duncan Development**	
9615 SW Allen Blvd. Suite 106	Project Number: 1141-00	Report Created:
Beaverton, OR 97005	Project Manager: Amanda Spencer	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	

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

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Ash Creek Associates, Inc.	Project Name:	**Duncan Development**	
9615 SW Allen Blvd. Suite 106	Project Number:	1141-00	Report Created:
Beaverton, OR 97005	Project Manager:	Amanda Spencer	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 Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*. 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 W. Auvil

Darrell Auvil, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First 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 ✓
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: PPF1318

CLIENT: Ash Creek Associates

REPORT TO: Amanda Spencer
ADDRESS: 9615 SW Allen Blvd. Ste. 106
Beaverton, OR 97005
PHONE: 503.924.4704 FAX: 503.924.4707

INVOICE TO: Same

P.O NUMBER:

PROJECT NAME: Duncan Development
PROJECT NUMBER: 1141-00
SAMPLED BY: KKB

TURNAROUND REQUEST
in Business Days *

Organic & Inorganic Analyses: ~~10~~ STD. | 7 | 5 | 4 | 3 | 2 | 1 | < 1

Petroleum Hydrocarbon Analyses: 5 STD. | 4 | 3 | 2 | 1 | < 1

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE	REQUESTED ANALYSES: EPA 6020 Arsenic	REQUESTED ANALYSES: 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
PRINT NAME: Kirsten Boris FIRM: Ash Creek DATE: 6/30/06 TIME: 16:25

RECEIVED BY: [signature] FIRM: TAP DATE: 6/30 TIME: 16:25

RELEASED BY: PRINT NAME: FIRM: DATE: TIME:

RECEIVED BY: PRINT NAME: FIRM: DATE: TIME:

ADDITIONAL REMARKS:

TEMP:

COC REV 09/2004

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)
Date: 6/30
Time: 10:05
Initials: SM

Logged-in By:
Date: 6/30
Initials: CE

Unpacked/Labeled By:
Date: 6/30
Initials: SM

Cooler ID: _____ (___ of ___)

Work Order No. PPF1318
Client: Ash Creek
Project: _____

Container Type:
1 Cooler
____ Box
____ None/Other _____

COC Seals:
____ Ship. Container
____ On Bottles
X None
_____ Sign By
_____ Date

Packing Material
____ Bubble Bags ____ Styrofoam
X Foam Packs
X None/Other Other _____

Refrigerant:
X Gel Ice Pack _____ ____ None
____ Loose Ice
____ None/Other _____

Received Via: Bill#
____ Fed Ex X Client
____ UPS ____ NCA Courier
____ DHL ____ Mid Valley
____ Senvoy ____ TDP
____ GS ____ Other _____

Cooler Temperature (*IR*): 5.4 °C (Plastic) Glass (circle one) (Frozen filters, Tedlars and aqueous Metals exempt)

Temperature Blank? _____ °C or (NA)

Trip Blank? Y or N or (NA)

Sample Containers:		ID			ID
Intact?	Y or N	_____	Metals Preserved?	(Y) or N or NA	_____
Provided by NCA?	Y or N	_____	Client QAPP Preserved?	Y or N or NA	_____
Correct Type?	Y or N	_____	Adequate Volume? (for tests requested)	(Y) or N	_____
#Containers match COC?	Y or N	_____	Water VOAs: Headspace?	Y or N or NA	_____
IDs/time/date match COC?	Y or N	_____	Comments:		
Hold Times in hold?	Y or 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: _____

(rev 3, 09/12/05)

Appendix H

Laboratory Quality Assurance / Quality Control (QA/QC) Data Review

Appendix H – Quality Assurance/Quality Control (QA/QC) Review of Laboratory Data

1.0 Introduction

This appendix documents the results of a quality assurance/quality control (QA/QC) review of the analytical data for soil samples collected in November 2005 and April 2006, and groundwater samples collected in June 2006. Laboratory analysis of soil and groundwater samples was performed by TestAmerica, Inc. (formerly North Creek Analytical, Inc.) in Beaverton, Oregon. Copies of the analytical laboratory reports are included in Appendices E through G.

2.0 Analytical Methods

Chemical analyses on soil samples consisted of one or more of the following:

- Metals by EPA Method 6020;
- Mercury by EPA Method 7471A; and
- Organochlorine Pesticides by EPA Method 8081A.

Chemical analyses on groundwater samples consisted of the following:

- Lead and arsenic by EPA Method 6020.

3.0 Quality Assurance Review

The following criteria were evaluated in the standard data quality review process:

- Holding times;
- Method, equipment, and trip blanks;
- Surrogate recoveries;
- Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) recoveries;
- Matrix spike/matrix spike duplicate (MS/MSD) recoveries; and
- Laboratory and duplicate relative percent difference (RPD).

All samples were analyzed within holding times.

3.1 Laboratory Quality Control/Quality Assurance

The laboratory quality control/quality assurance indicated the following:

Metals in Soil. All required holding times were met. No method blank contamination was detected. A number of matrix and post spike metals results were flagged with a "Q-02" qualifier indicating that the recovery was outside of established control limits due to sample matrix interference. One of the matrix spike recovery amounts for molybdenum was flagged with a "Q-07" qualifier indicating that the matrix spike recovery and/or RPD for the sample is outside the control limits due to sample dilution required from high analyte concentration and/or matrix interference. A matrix spike recovery for lead was flagged with a "Q-03" qualifier indicating that the spike recovery and/or RPD could not be accurately calculated due to the high concentration of analyte already present in the source sample. A matrix spike recovery for lead was flagged with a "Q-14" qualifier indicating that the spike recovery and/or RPD is outside control limits due to a non-homogeneous sample matrix. These qualifications did not affect the quality of the data, and the associated laboratory data are of sufficient quality and are appropriate for use.

Mercury. All required holding times were met. No method blank contamination was detected. The laboratory duplicate sample recovery was flagged with a "Q-06" qualifier indicating that an RPD is not applicable for analyte concentrations less than 5 times the MRL. The source sample analyzed for the laboratory duplicate had a concentration less than 5 times the MRL and was consequently flagged. The quality of the associated laboratory results was not affected.

Pesticides. All required holding times were met. No method blank contamination was detected. Surrogate recoveries were within control limits. The matrix spike and matrix spike duplicate recoveries for 4-4'DDT and matrix spike duplicate recoveries for dieldrin were flagged with a "Q-03" qualifier indicating that the spike recovery and/or RPD could not be accurately calculated due to the high concentration of analyte already present in the source sample. Reporting limits for a number of pesticide analyses were raised due to dilution necessary for analysis. The sample contained high levels of reported analyte, non-target analyte, and/or matrix interference. The analytical results were flagged with a "R-05" qualifier in the laboratory report. These qualifications did not affect the quality of the data, and the associated laboratory data are of sufficient quality and are appropriate for use.

Lead and Arsenic in Groundwater. All required holding times were met. No method blank contamination was detected. A laboratory duplicate sample recovery for lead was flagged with a "Q-06" qualifier indicating that an RPD is not applicable for analyte concentrations less than 5 times the MRL. The source sample analyzed for the laboratory duplicate had a concentration less than 5 times the MRL and was consequently flagged. The quality of the associated laboratory results was not affected.

Appendix I

ProUCL Results and Input

Appendix I – ProUCL Calculations

The ProUCL input and output and an explanation of the three ProUCL analyses performed are included in this appendix. The input sheet consists of 3 columns of arsenic concentration data corresponding to different areas of the site that were analyzed using ProUCL. Arsenic concentrations detected in the upper three feet of soil, or surface soil, were used in the analysis. The ProUCL analyses were completed for a 90% upper confidence limit.

Former Orchard Area. Column 1 of the input, titled "Orchard Only" includes all of the arsenic concentrations detected within the approximate boundary of the historical orchard area to a depth of 3 feet. The results are provided in the first of three sheets titled "General Statistics", with "orchard" in the upper right corner of the results. The value highlighted in yellow is the appropriate 90% UCL concentration of arsenic, based upon EPA guidance for its determination. The data are gamma distributed with a shape parameter (k hat) greater than 0.5. Therefore, the appropriate value to use is the approximate gamma UCL of 33 mg/kg.

Area affected by former orchard. Column 3 of the input, titled "Outside orchard but affected" includes all of the arsenic concentrations detected within the area that was impacted by the former orchard but that are not contained within the former orchard boundary. This area is made up of Areas A and B from Figure 10, excluding the former orchard area. The results are provided in the second of three sheets titled "General Statistics", with "Outside orchard but affected" in the upper right corner of the results. The value highlighted in yellow is the appropriate 90% UCL concentration of arsenic, based upon EPA guidance for its determination. The data are gamma distributed with a shape parameter (k hat) less than 0.5. Therefore, the appropriate value to use is the approximate gamma UCL with a value of 17 mg/kg.

Area requiring no soil management. Column 2 of the input, titled "Area C" includes all of the arsenic concentrations detected outside of the former orchard area and the area that was impacted by the former orchard. This area is shown as Area C on Figure 10. The results are provided in the third of three sheets titled "General Statistics", with "Area C" in the upper right corner of the results. The value highlighted in yellow is the appropriate 90% UCL concentration of arsenic, based upon EPA guidance for its determination. The data are non-parametrically skewed with a standard deviation of the log-transformed data less than 0.5 and a sample size greater than 10 samples. Therefore, the appropriate value to use is the Student's-t UCL with a value of 6.9 mg/kg.

Orchard Only	Area C	Outside orchard but affected
19.3	4.33	13.8
10.1	13.8	25.5
9.87	5.54	33.5
49.2	5.47	10.8
45.4	5	21.6
47.4	5.54	10
34.5	6.07	6.02
64.4	5.49	8.67
38.5	24.6	20.3
19.7	5.7	10
16.9	5.53	14.2
5.46	8.34	11.2
80.3	5.69	14.8
12.8	4.77	14.7
8	5.49	17.4
10.4	3.76	6.62
6.12	6.04	11
52.8	5.2	9.08
111	11.8	
83.1	2.54	
54.1	2.27	
18	5.76	
4.43	5.17	
16.9	3.84	
82.2	4.18	
34.8	4.01	
5.64	6.22	
13.5	3.94	
5.7	5.22	
7.8	4.2	
34.8	18.5	
28.6	8.19	
5.51	4.99	
16.2	4.87	
6.76	5.77	
12.1	5.51	
7.35	4.15	
22.5	5.84	
23.9	4.42	
10.2	4.4	
6.32	4.94	
6.54	5.71	
	4.85	
	5.03	
	4.43	
	8.81	
	6.3	
	4.54	
	5.08	
	5.5	
	7.88	

General Statistics

Data File	F:\Projects\1141-00 Duncan Development\Pr	Variable:	orchard		
Raw Statistics			Normal Distribution Test		
Number of Valid Samples	42		Shapiro-Wilk Test Statisitic		0.770926
Number of Unique Samples	40		Shapiro-Wilk 5% Critical Value		0.942
Minimum	4.43		Data not normal at 5% significance level		
Maximum	111				
Mean	27.35952		90% UCL (Assuming Normal Distribution)		
Median	16.9		Student's-t UCL		32.60104
Standard Deviation	26.0789				
Variance	680.1091		Gamma Distribution Test		
Coefficient of Variation	0.953193		A-D Test Statistic		1.08715
Skewness	1.497005		A-D 5% Critical Value		0.76992
			K-S Test Statistic		0.127803
Gamma Statistics			K-S 5% Critical Value		0.139346
k hat	1.35532		Data follow approximate gamma distibution		
k star (bias corrected)	1.274385		at 5% significance level		
Theta hat	20.18676				
Theta star	21.46881		90% UCLs (Assuming Gamma Distribution)		
nu hat	113.8469		Approximate Gamma UCL		32.99134
nu star	107.0483		Adjusted Gamma UCL		33.16801
Approx.Chi Square Value(.10)	88.77455				
Adjusted Level of Significance	0.093714		Lognormal Distribution Test		
Adjusted Chi Square Value	88.30168		Shapiro-Wilk Test Statisitic		0.883221
			Shapiro-Wilk 5% Critical Value		0.942
Log-transformed Statistics			Data not lognormal at 5% significance level		
Minimum of log data	1.4884				
Maximum of log data	4.70953		90% UCLs (Assuming Lognormal Distribution)		
Mean of log data	2.896815		90% H-UCL		35.42514
Standard Deviation of log data	0.920934		90% Chebyshev (MVUE) UCL		40.64342
Variance of log data	0.848119		95% Chebyshev (MVUE) UCL		46.68754
			97.5% Chebyshev (MVUE) UCL		55.07654
			99% Chebyshev (MVUE) UCL		71.5551
			90% Non-parametric UCLs		
			CLT UCL		32.51657
			Adj-CLT UCL (Adjusted for skewness)		33.18037
			Mod-t UCL (Adjusted for skewness)		32.75596
			Jackknife UCL		32.60104
			Standard Bootstrap UCL		32.51778
			Bootstrap-t UCL		33.33479
			Hall's Bootstrap UCL		33.60679
			Percentile Bootstrap UCL		32.38667
			BCA Bootstrap UCL		33.00167
NO RECOMMENDATION AVAILABLE			90% Chebyshev (Mean, Sd) UCL		39.43171
			95% Chebyshev (Mean, Sd) UCL		44.9
Select 95% Confidence Coefficient			97.5% Chebyshev (Mean, Sd) UCL		52.48978
			99% Chebyshev (Mean, Sd) UCL		67.39843

General Statistics

Data File	F:\Projects\1141-00 Duncan Development\Re	Variable:	Outside orchard but affected

Raw Statistics	
Number of Valid Samples	18
Number of Unique Samples	17
Minimum	6.02
Maximum	33.5
Mean	14.39944
Median	12.5
Standard Deviation	7.06977
Variance	49.98165
Coefficient of Variation	0.490975
Skewness	1.358747

Gamma Statistics	
k hat	5.134955
k star (bias corrected)	4.316166
Theta hat	2.804201
Theta star	3.336165
nu hat	184.8584
nu star	155.382
Approx.Chi Square Value(.10)	133.2587
Adjusted Level of Significance	0.08376
Adjusted Chi Square Value	131.6945

Log-transformed Statistics	
Minimum of log data	1.795087
Maximum of log data	3.511545
Mean of log data	2.566669
Standard Deviation of log data	0.453597
Variance of log data	0.20575

NO RECOMMENDATION AVAILABLE

Select 95% Confidence Coefficient

Normal Distribution Test	
Shapiro-Wilk Test Statisitic	0.884874
Shapiro-Wilk 5% Critical Value	0.897
Data not normal at 5% significance level	
90% UCL (Assuming Normal Distribution)	
Student's-t UCL	16.62134
Gamma Distribution Test	
A-D Test Statistic	0.318839
A-D 5% Critical Value	0.742897
K-S Test Statistic	0.153926
K-S 5% Critical Value	0.204073
Data follow gamma distribution	
at 5% significance level	
90% UCLs (Assuming Gamma Distribution)	
Approximate Gamma UCL	16.79
Adjusted Gamma UCL	16.98943
Lognormal Distribution Test	
Shapiro-Wilk Test Statisitic	0.978678
Shapiro-Wilk 5% Critical Value	0.897
Data are lognormal at 5% significance level	
90% UCLs (Assuming Lognormal Distribution)	
90% H-UCL	16.99237
90% Chebyshev (MVUE) UCL	19.07685
95% Chebyshev (MVUE) UCL	21.22064
97.5% Chebyshev (MVUE) UCL	24.19612
99% Chebyshev (MVUE) UCL	30.04089
90% Non-parametric UCLs	
CLT UCL	16.53497
Adj-CLT UCL (Adjusted for skewness)	16.91608
Mod-t UCL (Adjusted for skewness)	16.71028
Jackknife UCL	16.62134
Standard Bootstrap UCL	16.46718
Bootstrap-t UCL	17.17583
Hall's Bootstrap UCL	17.38503
Percentile Bootstrap UCL	16.57056
BCA Bootstrap UCL	16.85611
90% Chebyshev (Mean, Sd) UCL	19.39853
95% Chebyshev (Mean, Sd) UCL	21.66294
97.5% Chebyshev (Mean, Sd) UCL	24.80586
99% Chebyshev (Mean, Sd) UCL	30.97953

General Statistics

Data File	F:\Projects\1141-00 Duncan Development\Re	Variable:	Area C		
Raw Statistics			Normal Distribution Test		
Number of Valid Samples	51		Lilliefors Test Statisitic		0.330395
Number of Unique Samples	49		Lilliefors 5% Critical Value		0.124065
Minimum	2.27		Data not normal at 5% significance level		
Maximum	24.6				
Mean	6.180784		90% UCL (Assuming Normal Distribution)		
Median	5.47		Student's-t UCL		6.859467
Standard Deviation	3.731972				
Variance	13.92761		Gamma Distribution Test		
Coefficient of Variation	0.603802		A-D Test Statistic		4.163796
Skewness	3.424312		A-D 5% Critical Value		0.75357
			K-S Test Statistic		0.267232
Gamma Statistics			K-S 5% Critical Value		0.124509
k hat	5.086022		Data do not follow gamma distribution		
k star (bias corrected)	4.799916		at 5% significance level		
Theta hat	1.215249				
Theta star	1.287686		90% UCLs (Assuming Gamma Distribution)		
nu hat	518.7742		Approximate Gamma UCL		6.725523
nu star	489.5914		Adjusted Gamma UCL		6.738844
Approx.Chi Square Value(.10)	449.9366				
Adjusted Level of Significance	0.094824		Lognormal Distribution Test		
Adjusted Chi Square Value	449.0472		Lilliefors Test Statisitic		0.226836
			Lilliefors 5% Critical Value		0.124065
Log-transformed Statistics			Data not lognormal at 5% significance level		
Minimum of log data	0.81978				
Maximum of log data	3.202746		90% UCLs (Assuming Lognormal Distribution)		
Mean of log data	1.719927		90% H-UCL		6.576016
Standard Deviation of log data	0.40781		90% Chebyshev (MVUE) UCL		7.130861
Variance of log data	0.166309		95% Chebyshev (MVUE) UCL		7.616983
			97.5% Chebyshev (MVUE) UCL		8.291702
			99% Chebyshev (MVUE) UCL		9.617057
			90% Non-parametric UCLs		
			CLT UCL		6.850498
			Adj-CLT UCL (Adjusted for skewness)		7.029442
			Mod-t UCL (Adjusted for skewness)		6.90123
			Jackknife UCL		6.859467
			Standard Bootstrap UCL		6.851519
			Bootstrap-t UCL		7.193531
			Hall's Bootstrap UCL		7.247941
			Percentile Bootstrap UCL		6.844118
			BCA Bootstrap UCL		7.073529
NO RECOMMENDATION AVAILABLE			90% Chebyshev (Mean, Sd) UCL		7.748526
			95% Chebyshev (Mean, Sd) UCL		8.45866
Select 95% Confidence Coefficient			97.5% Chebyshev (Mean, Sd) UCL		9.444299
			99% Chebyshev (Mean, Sd) UCL		11.3804

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 cynomologus 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.

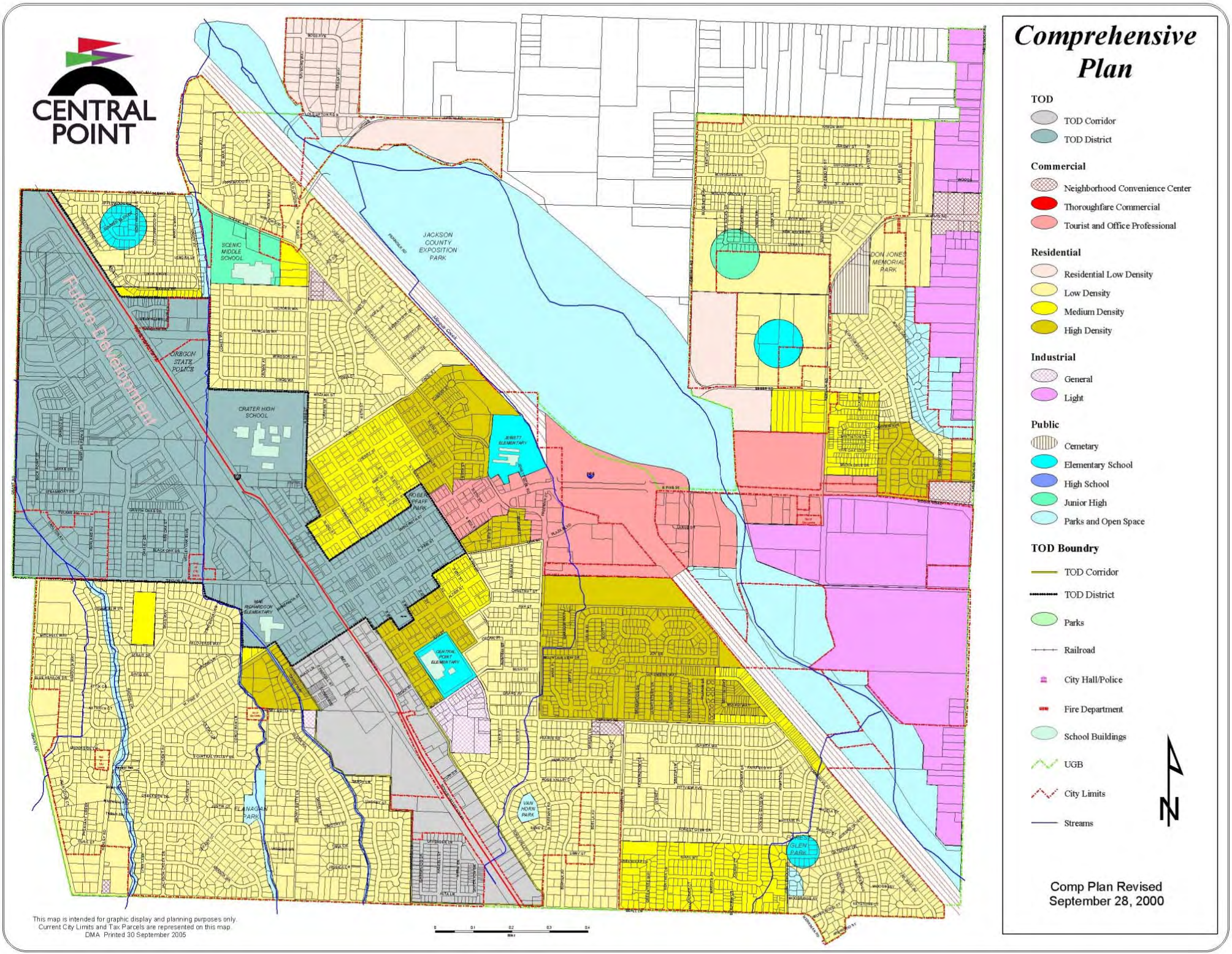
U.S. EPA and Montana Department of Environmental Quality, 1996. Record of Decision. Community Soils Operable Unit, Anaconda Smelter NPL Site, Anaconda, Montana. U.S. Environmental Protection Agency, Region 8, Montana Office, Helena, MT and Montana DEQ, Helena, MT.

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 Units1–4 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


CENTRAL POINT
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
Cemetary
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
N
Comp Plan Revised
September 28, 2000
JACKSON COUNTY EXPOSITION PARK
SCENIC MIDDLE SCHOOL
DON JONES MEMORIAL PARK
OREGON STATE POLICE
CRATER HIGH SCHOOL
JEWETT ELEMENTARY
ROBERT PFAFF PARK
MAE RICHARDSON ELEMENTARY
CENTRAL POINT ELEMENTARY
VAN HORN PARK
GLEN PARK
FLANAGAN PARK
Redevelopment
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