July 21, 2023

Kevin Dana
Oregon Department of Environmental Quality
700 Northeast Multnomah Street, Suite 600
Portland, Oregon 97232

RE: INCREMENTAL SAMPLING METHODOLOGY INVESTIGATION REPORT
DAIRY CREEK MITIGATION BANK
42580 NORTHWEST CEDAR CANYON ROAD
BANKS, OREGON
FARALLON PN: 1826-001

Dear Kevin Dana:

Farallon Consulting, L.L.C. (Farallon) has prepared this letter to describe the field activities and summarize results from the incremental sampling methodology (ISM) investigation. The investigation was performed in the Dairy Creek Mitigation Bank (DCMB) project area located at 42580 Northwest Cedar Canyon Road in Banks, Oregon (herein referred to as the Site) (Figure 1) in accordance with the ISM Work Plan dated December 9, 2022, prepared by Farallon[1] and approved by the Oregon Department of Environmental Quality (DEQ) in email correspondence on December 21, 2022.[2]

This letter report provides a description of the Site and relevant background information, the scope of work for the ISM investigation, and the results and conclusions of the investigation.

BACKGROUND

The Site comprises approximately 132 acres of Washington County Tax Lot 800 and 1.76 acres of Tax Lot 603 (Figure 2). The northern to northwestern edge of the Site is bound by the West Fork Dairy Creek; the eastern edge of the Site is bound by Washington County Tax Lots 600 and 900; the southern edge of the Site is bound by Oregon Highway 6; and the western edge of the Site is bound by Washington County Tax Lot 700.

The Site has been in agricultural use for over 100 years, primarily grass seed and grain production. Historically, the land was dominated by wetland and upland forests, with lesser

[1] Farallon. 2022. Letter Regarding Incremental Sampling Methodology Work Plan, Dairy Creek Mitigation Bank, 42580 Northwest Cedar Canyon Road, Banks, Oregon. From Megan Masterson and Craig Ware. To Kevin Dana, DEQ. December 9 (ISM Work Plan).

[2] DEQ. 2022. Email Regarding ISM Work Plan - Dairy Creek Mitigation Bank Project Area. From Kevin Dana. To Megan Masterson, Farallon. December 21.

amounts of shrub and emergent wetlands. Land alterations that occurred to make the land suitable for agricultural use have degraded the functionality of the historical wetlands and waters, disconnected the West Fork Dairy Creek from its floodplain, and caused a loss of aquatic and terrestrial habitat, providing an exceptional opportunity for ecological restoration. The DCMB project proposes to generate wetland and stream mitigation credits through the restoration, creation, and enhancement of a perennial channel of the West Fork Dairy Creek and an intermittent "Straight Channel" and creation of intermittent side-channels that will generate stream mitigation credits. Construction earthwork is scheduled to begin in 2023.

Washington County Tax Lot 900 is east-adjacent to the Site. Tax Lot 900 historically operated as a trap range. Previous environmental investigations focused primarily on the southern portion of Washington County Tax Lot 600 (north-adjacent to the former trap range) and identified lead impacts to shallow soil at the Site resulting from former trap range operations. As discussed in the Farallon Technical Memorandum dated August 15, 2022,[3] lead has been detected at concentrations exceeding DEQ risk-based concentrations (RBCs) in soil samples collected from properties in the vicinity of the former trap range; therefore, lead has been identified as a chemical of potential concern.

The Farallon Technical Memorandum discussed the areas on Tax Lot 600 where lead-contaminated soil is present at concentrations exceeding DEQ RBCs for soil ingestion, dermal contact, and inhalation for residential, occupational, excavation worker, and construction worker receptor pathways. The extent of lead-contaminated soil exceeding DEQ RBCs on Tax Lot 600 is shown on Figure 3. Based on these results, the eastern boundary of the Site was established to intentionally exclude the small portion of Tax Lot 600 where lead-contaminated soil is present at concentrations exceeding DEQ RBCs. This lead-contaminated soil will be addressed under the DEQ Voluntary Cleanup Program during development of the southern portion of Tax Lot 600 for light industrial use.

Soil samples were collected from several locations (SS04, SS14, SS17, SS19, and SS21), located along the eastern boundary of the Site adjacent to Tax Lot 600. Sample locations are shown on Figure 3. Soil samples at each location were collected from depth intervals of 0 to 0.5 foot below ground surface (bgs) and 1 to 2 feet bgs, for a total of 10 samples. Lead was detected at a concentration less than DEQ RBCs for human receptor pathways in each

[3] Farallon. 2022. Technical Memorandum Regarding Dairy Creek Mitigation Bank Assessment and Remediation Approach, 42580 Northwest Cedar Canyon Road, Banks, Oregon. From Craig Ware. To Kevin Dana, DEQ. August 15 (Farallon Technical Memorandum).

sample. Lead concentrations exceeded the most conservative DEQ RBCs for plants, invertebrates, and wildlife in some of the surface soil samples. Concentrations exceeding the DEQ default background concentration for lead of 34 milligrams per kilogram (mg/kg) were detected in only two of the 10 surface soil samples; lead was detected at concentrations of 38 and 51 mg/kg in samples SS17 and SS19, respectively. Both samples were collected at a depth of 0 to 0.5 foot bgs.

Farallon prepared the ISM Work Plan to DEQ to further characterize lead concentrations in soil to determine whether lead impacts resulting from the trap range formerly located on Tax Lot 900 immediately adjacent to Tax Lot 600 represents a potential risk to ecological receptors on the Site.

FIELD ACTIVITIES

Prior to commencement of field activities, Farallon prepared a Health and Safety Plan (HASP) in accordance with Part 1910.120 of Title 29 of the Code of Federal Regulations and retained a copy of the HASP on-Site during field activities. In addition, Farallon conducted a public utility locate notification, and no underground utilities were identified at the Site.

ISM INVESTIGATION

On January 24 and 25, 2023, Farallon performed the ISM sampling in general accordance with the ISM Work Plan with the following exception:

- Upon arrival at the Site, Ecological Decision Unit (DU)-4 was inundated with standing water; therefore, Farallon was unable to collect samples from DU-4. Since DU-4 is located north of DU-2 and farther away from the former trap range property, lead concentrations are anticipated to be lower in DU-4 than DU-2, which was sampled during the field activities.

The ISM sampling scope of work consisted of collecting soil samples from the approximately 0.5-acre DUs (DU-1 through DU-3). Each DU was segmented into 50 subunits, and a subsample was collected from each subunit and placed into a laboratory-provided sampling container designated for the respective DU (see Figure 3 for DU areas). The subsample locations were controlled by navigating to each subsample location using geographic information system and mapping technology and marking each location with a marking flag.

Subsamples were collected using a shovel to clear the location to at least 0.5 foot bgs, followed by using a stainless-steel spoon to expose a “clean” soil sidewall in the hole. An approximately 2-ounce soil sample was collected from the ground surface to a depth of

0.5 foot bgs from the clean soil surface and placed into a laboratory-provided 1-liter sample container with the other subsample aliquots for the respective DU. Each DU consisted of one sample composed of 50 subsamples. The shovel and stainless-steel spoon were decontaminated between DUs.

One replicate sample was collected from DU-1. The replicate sample was collected in accordance with the sampling methodology and collection depth interval used for the primary samples but at different subsample locations within the DU.

DISCRETE BACKGROUND SOIL SAMPLING

One discrete background soil sample was collected approximately 450 feet northwest of the ISM sampling area from a depth of 0 to 0.5 foot bgs (Figure 3). This sample was collected in accordance with the sample methodology used for the ISM samples and was placed into a laboratory-provided sample container.

ANALYTICAL RESULTS

Samples were submitted under chain-of-custody protocols to Apex Laboratories LLC of Tigard, Oregon. The laboratory processed the ISM samples for each DU and replicate sample prior to analysis.

The DU samples, replicate DU sample, and discrete background sample were analyzed for the Resource Conservation and Recovery Act eight metals, which are arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver, by U.S. Environmental Protection Agency Method 6020B. The analytical laboratory report is provided in Attachment A. Results are summarized in Table 1 and shown on Figure 3.

To evaluate the risk to terrestrial ecological receptors, analytical results were compared with DEQ background metal concentrations for soils in the Coast Range Province (Coast Range Background Metals Concentrations),[4] which determines regional default concentrations for various metals naturally occurring in soil, and results from the discrete background soil sample to evaluate the influence of regional background metal concentrations in soil specifically at the Site. If data exceeded the Coast Range Background Metals Concentrations and the discrete background soil sample results, data were then compared with the following DEQ Ecological RBCs:

- Direct Toxicity for Plants and Invertebrates;

[4] DEQ. 2018. *Fact Sheet, Background Levels of Metals in Soils for Cleanups*. January 25.

- Non-Threatened and Endangered Ground Feeding and Top Consumers Birds; and
- Non-Threatened and Endangered Ground Feeding and Top Consumers Mammals.

Based on review of the U.S. Fish and Wildlife Service Information for Planning and Consultation and Environmental Conservation Online System, there are no critical habitats at the Site for threatened and endangered species, and there are no critical habitats located within 1 mile of the Site. For these reasons, the data were not screened against DEQ Ecological RBCs for threatened and endangered birds or mammals. These screening criteria are listed in Table 1 alongside the analytical results.

ISM ANALYTICAL RESULTS

Analytical results are summarized in Table 1 and displayed on Figure 3. Arsenic, barium, cadmium, chromium, mercury, selenium, and silver were either not detected or detected at concentrations less than applicable screening levels in the analyzed ISM soil samples.

Lead was detected at concentrations ranging from 42.8 mg/kg in the soil sample collected from DU-3 to 59.8 mg/kg in the soil sample collected from DU-1. These concentrations exceed the Coast Range Background Metals Concentrations value for lead of 34 mg/kg, the concentration of lead in the discrete background soil sample of 8.3 mg/kg, and the DEQ Ecological RBC for non-threatened and endangered ground feeding birds of 23 mg/kg.

CONCLUSIONS

Farallon conducted an ISM investigation of the Site on January 24 and 25, 2023, in general accordance with the ISM Work Plan. The scope of work consisted of collecting three ISM samples and one replicate sample from ground surface to a depth of 0.5 foot bgs. Each ISM sample was composed of soil aliquots collected from 50 subsample locations per DU. Farallon also collected a discrete background soil sample collected approximately 450 feet northwest of the ISM sample area. Samples were analyzed for total metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver) and were compared with Coast Range Background Metals Concentrations and the discrete background soil sample results, and if exceeded, compared with applicable DEQ Ecological RBCs.

Arsenic, barium, cadmium, chromium, mercury, selenium, and silver were either not detected or were detected at concentrations less than the Coast Range Background Metals Concentrations in the analyzed ISM soil samples and discrete background soil sample.

Lead was detected at concentrations exceeding the Coast Range Background Metals Concentrations value, the discrete background soil sample result, and the DEQ Ecological RBC for non-threatened and endangered ground feeding birds in the ISM and replicate soil samples.

Higher concentrations of lead were detected in the two DUs closest to the former trap range, DU-1 and DU-2, at concentrations of 59.8 and 59.5 mg/kg, respectively. The concentration of lead decreased in DU-3 to 42.8 mg/kg. DU-3 is located northwest-adjacent to DU-1 and farther away from the former trap range, which indicates that the concentration of lead decreases with distance away from the former trap range. The decrease in lead concentration between DU-1 and DU-3 is significant, showing a decrease of 17 mg/kg within half an acre. Based on this rate of decrease, and previous sampling results (shown on Figure 3), the anticipated area of shallow soil with lead concentrations exceeding the Coast Range Background Metals Concentration is anticipated to be very limited and encompassing an area less than 2.5 acres.

The area within the DCMB where lead exceeds the Coast Range Metals Background value for lead constitutes 2 percent or less of the habitat area available for foraging by ground feeding birds within the 133.76-acre DCMB project area. Further, there are several hundreds of acres of forest and farmlands adjoining or adjacent to the south, west, and north of the DCMB project area that are available for foraging.

According to Jonas Moiel, Senior Ecologist with Greenbanks LLC and Project Manager for the DCMB, a construction access road will be constructed along the property boundary on the eastern side of the DCMB using 1 foot of imported gravel. Silt fencing will be constructed on either side of the access road. Further, the DCMB in the area of the ISM sampling will be planted and seeded in native forests and shrub-dominated plant communities. The planting plan specifies planting high densities (1,600 stems per acre) of trees and shrubs throughout this area. Ground foraging bird species typically prefer areas of bare ground for feeding, such as open meadows. It is unlikely that ground foraging bird species will use the shrub and tree dominated areas to forage as there will be very little bare ground and high shade in these areas. There are some planned non-forested areas within the DCMB. Those areas are more than 500 feet away from the ISM sampling area, and more likely to attract species of ground foraging birds.

The concentrations of lead observed in shallow soil at the Site only slightly exceed the Coast Range Background Metals Concentrations value of 34 mg/kg with an exceedance ratio

ranging between 1.2 to 1.7. The concentrations of lead in the ISM samples also only slightly exceed the DEQ Ecological RBC for non-threatened and endangered ground feeding birds with an exceedance ratio ranging between 1.8 and 2.6. Based on the low exceedance ratios for both the established background concentration for the Coast Range geomorphic province and the DEQ RBC, the limited area of impact in comparison with available foraging habitat within the DCMB project area and additional adjacent forests and farmlands, and densely planned tree and shrub habitat, the potential risk to ecological receptors at the Site is considered very low, and further assessment or action does not appear to be warranted.

Farallon appreciates the opportunity to provide environmental consulting services for this project. Please contact Craig Ware at (503) 941-8874 or Megan Masterson at (503) 784-8330 if you have questions or need additional information.

Sincerely,

Farallon Consulting, L.L.C.

Megan Masterson, R.G.
Associate Geologist

Craig Ware, R.G.
Principal Hydrogeologist

Attachments: Figure 1, *Site Vicinity Map*
Figure 2, *Site Plan*
Figure 3, *ISM Sampling Area and Soil Analytical Results for Lead*
Table 1, *Incremental Sampling Method Soil Analytical Results*
Attachment A, Analytical Laboratory Report

cc: Robert Bobosky, Wolverine Financial, LLC and Lone Oak Land and Investment Company, LLC

MM/CW:mbg

LIMITATIONS

The conclusions contained in this report/assessment are based on professional opinions with regard to the subject matter. These opinions have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location. The conclusions contained herein are subject to the following inherent limitations:

- Accuracy of Information. Farallon reviewed certain information used in this report/assessment from sources that were believed to be reliable. Farallon's conclusions, opinions, and recommendations are based in part on such information. Farallon's services did not include verification of its accuracy. Should the information upon which Farallon relied prove to be inaccurate, Farallon may revise its conclusions, opinions, and/or recommendations.
- Reconnaissance and/or Characterization. Farallon performed a reconnaissance and/or characterization of the Site that is the subject of this report/assessment to document current

conditions. Farallon focused on areas deemed more likely to exhibit hazardous materials conditions. Contamination may exist in other areas of the Site that were not investigated or were inaccessible. Site activities beyond Farallon's control could change at any time after the completion of this report/assessment.

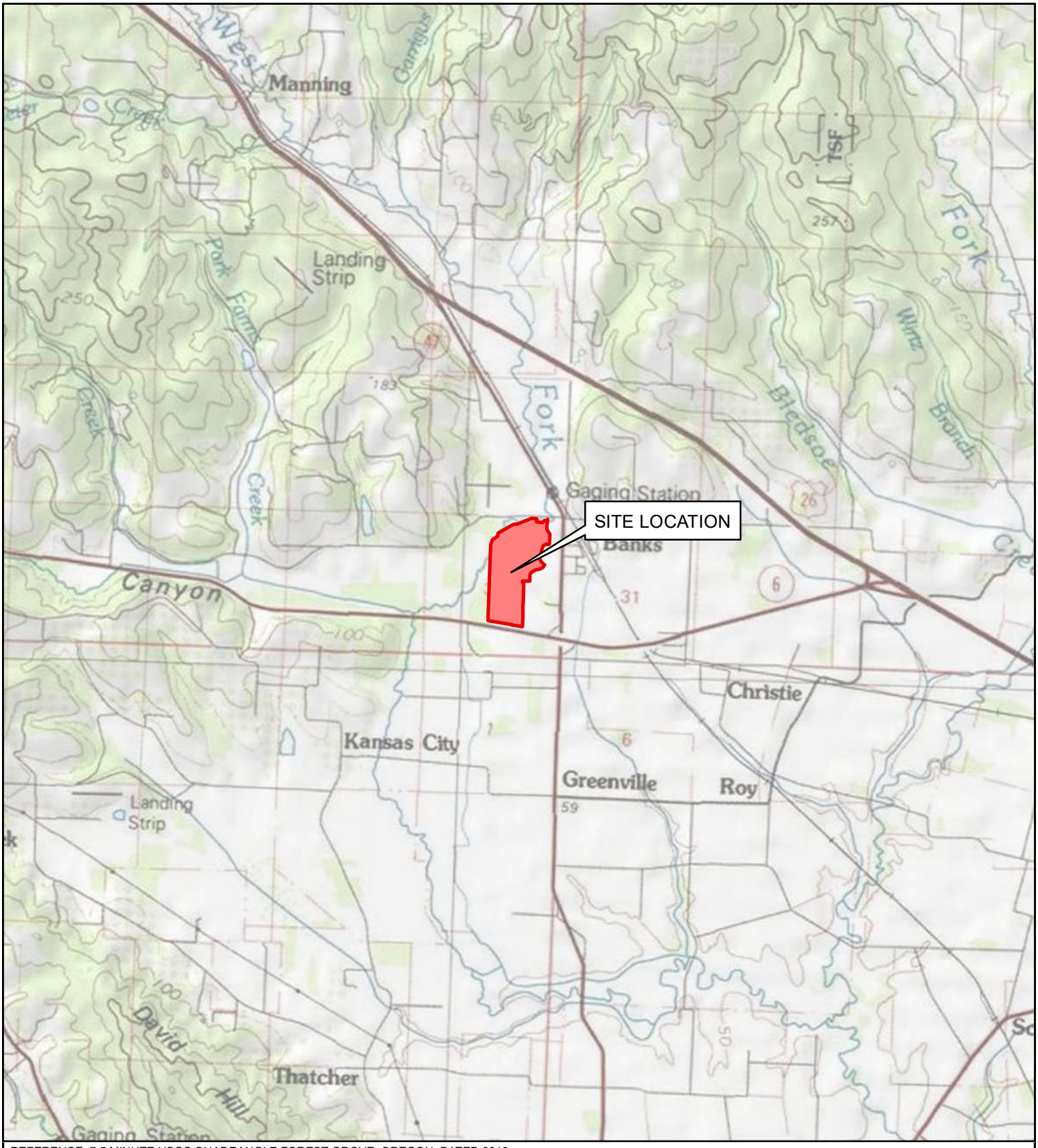
Farallon does not guarantee that the Site is free of hazardous or potentially hazardous substances or conditions, or that latent or undiscovered conditions will not become evident in the future. Farallon's observations, findings, and opinions are as of the date of the report.

This report/assessment has been prepared in accordance with the contract for services between Farallon and Wolverine Financial, LLC and Lone Oak Land and Investment Company, LLC. No other warranties, representations, or certifications are made.

FIGURES

INCREMENTAL SAMPLING METHODOLOGY INVESTIGATION REPORT
Dairy Creek Mitigation Bank
42580 Northwest Cedar Canyon Road
Banks, Oregon

Farallon PN: 1826-001



REFERENCE: 7.5 MINUTE USGS QUADRANGLE FOREST GROVE, OREGON, DATED 2013

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FIGURE 1

SITE VICINITY MAP
42580 NORTHWEST CEDAR CANYON ROAD
BANKS, OREGON

FARALLON PN: 1826-001

Drawn By: lmurock | Checked By: RC | Date: 11/3/2022 | Disc Reference:

Path: Q:\Projects\1826 Wolverine\Mapfiles\009\Figure-01_VicinityMap.mxd

LEGEND

- - - APPROXIMATE BOUNDARY BETWEEN FUTURE RESIDENTIAL AND LIGHT-INDUSTRIAL DEVELOPMENT ON TAX LOT 600

SITE BOUNDARY

WASHINGTON COUNTY TAX LOT BOUNDARY

N

0 400

SCALE IN FEET

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.

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FIGURE 2

SITE PLAN
42580 NORTHWEST CEDAR CANYON ROAD
BANKS, OREGON

FARALLON PN: 1826-001

Drawn By: lmurock | Checked By: MM | Date: 7/18/2023 | Disc Reference:

Path: Q:\Projects\1826 Wolverine\Mapfiles\010\Figure-02_SitePlan.mxd

TAX LOT 600

DAIRY CREEK MITIGATION BANK WETLAND AREA TAX LOT 800

FUTURE RESIDENTIAL

SOUTH MAIN STREET

ISM-1

DU-1

DU-2

DU-3

DU-4

DU-4 NS

DU-3 42.8

DU-2 59.5

DU-1 59.8

FUTURE LIGHT INDUSTRIAL TAX LOT 600

PROPOSED FUTURE RESIDENTIAL DEVELOPMENT LOT 3, TAX LOT 600

FORMER TRAP RANGE PROPERTY TAX LOT 900

SS-01 0-0.5' | 8.26

SS19 0-0.5' | 51

SS19 1-2' | 16

SS17 0-0.5' | 38

SS17 1-2' | 7.9

SS18 0-0.5' | 30

SS18 1-2' | 15

SS14 0-0.5' | 12

SS14 1-2' | 9.4

SS16 0-0.5' | 97

SS16 1-2' | 16

SS15 0-0.5' | 87

SS15 1-2' | 14

SS13 0-0.5' | 43

SS13 1-2' | 14

SS12 0-0.5' | 130

SS12 1-2' | 11

L-6 0' | 221

N-6 0' | 1,410

P-6 0' | 441

R-6 0' | 228

SS11 0-0.5' | 60

SS11 1-2' | 14

J-4 0' | 393

K-5 0' | 350

M-5 0.95' | 167

O-5 0.5' | 1,590

Q-5 0.5' | 1,150

Q-5 2' | 1,200

S-5 0' | 476

J-4 1' | 24.9

L-4 0' | 1650

SS09 0-0.5' | 4,000

SS09 1-2' | 15

R-4 0' | 1,500

R-4 0.5' | 1,050

SS10 0-0.5' | 160

SS10 1-2' | 15

SS08 0-0.5' | 450

SS21 0-0.5' | 13

SS21 1-2' | 8.9

SS07 0-0.5' | 35

SS07 1-2' | 11

I-3 0' | 417

SS24 0-0.5' | 5,400

SS24 1-2' | 3,400

SS06 1-2' | 65

SS23 1-2' | 290

SS23 2-3' | 16

R-4 0.95' | 51.1

SS08 1-2' | 16

SS20 0-0.5' | 89

SS25 1-2' | 430

L-2 2.35' | 233

N-2 0.5' | 13,300

SS22 1-2' | 17

S-3 0' | 1,330

SS05 1-2' | 16

SS32 0-1' | 234

SS33 0-1' | 107

SS04 0-0.5' | 23

J-2 0' | 3,270

N-2 0.95' | 776

SS22 2-3' | 18

SS31 1-2' | 144

SS20 1-2' | 11

J-2 2.1' | 87.7

SS25 0-0.5' | 5,200

N-2 0' | 114,000

P-2 1.3' | 563

SS05 0-0.5' | 490

SS04 1-2' | 14

K-1 2.4' | 104

M-1 2' | 162

R-2 1.4' | 197

SS31 0-1' | 758

SS04 2-3' | 8.3

SS03 1-2' | 1,000

SS26 1-2' | 52

O-1 3.5' | 77

S-1 2' | 2,700

SS01 1-2' | 16

I-1 0' | 1,040

SS03 0-0.5' | 990

SS26 2-3' | 17

SS02 1-2' | 1,000

SS02 2-3' | 22

Q-1 36.1' | 36.1

SS22 2-3' | 18

S-1 0' | 1,900

SS01 0-0.5' | 700

NOTES:
SOIL ANALYTICAL RESULTS SHOWN AS:
SAMPLE ID
DEPTH IN FEET BGS | LEAD CONCENTRATION IN MILLIGRAMS PER KILOGRAM (mg/kg).
ISM ANALYTICAL RESULTS SHOWN AS: ECOLOGICAL DECISION UNIT ID | LEAD CONCENTRATION IN MILLIGRAMS PER KILOGRAM (mg/kg).
THE OCCUPATIONAL, CONSTRUCTION WORKER, AND EXCAVATION WORKER RBC
FOR SOIL INGESTION, DERMAL CONTACT, AND INHALATION IS 800 mg/kg.
ISM = INCREMENTAL SAMPLING METHODOLOGY
BGS = BELOW GROUND SURFACE
BOLD = DENOTES CONCENTRATIONS EXCEEDING BACKGROUND CONCENTRATIONS AND ONE OR MORE SCREENING LEVEL
NS = NOT SAMPLED
RBC = RISK-BASED CONCENTRATION
SQFT = SQUARE FEET

LEGEND

- SOIL SAMPLE FROM PREVIOUS INVESTIGATION
- DISCRETE BACKGROUND SOIL SAMPLE
- APPROXIMATE BOUNDARY BETWEEN FUTURE RESIDENTIAL AND LIGHT-INDUSTRIAL DEVELOPMENT ON TAX LOT 600
- EXTENT OF LEAD EXCEEDING OCCUPATIONAL RBC <1 FOOT (2.69 ACRES)
- EXTENT OF LEAD EXCEEDING OCCUPATIONAL RBC 1-2 FEET (0.65 ACRES)
- DU-1 ECOLOGICAL DECISION UNIT
- PLANNED CONSTRUCTION ACCESS ROAD WITH SILT FENCING ON BOTH SIDES
- SITE BOUNDARY
- WASHINGTON COUNTY TAX LOT BOUNDARY

N

0 150

SCALE IN FEET

ALL LOCATIONS ARE APPROXIMATE
FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.

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FIGURE 3

ISM SAMPLING AREA AND
SOIL ANALYTICAL RESULTS FOR LEAD
42580 NORTHWEST CEDAR CANYON ROAD
BANKS, OREGON

FARALLON PN: 1826-001

Drawn By: lmurock | Checked By: MM | Date: 7/18/2023 | Disc Reference:

Document Path: Q:\Projects\1826 Wolverine\Mapfiles\010\Figure-03_ISM_WorkPlan2023.mxd

TABLE

INCREMENTAL SAMPLING METHODOLOGY INVESTIGATION REPORT
Dairy Creek Mitigation Bank
42580 Northwest Cedar Canyon Road
Banks, Oregon

Farallon PN: 1826-001

Table 1
Incremental Sampling Method Soil Analytical Results
42580 Northwest Cedar Canyon Road
Banks, Oregon
Farallon PN: 1826-001

Sample ID	Sample Date	Sample Depth (feet) [1]	Analytical Results (milligrams per kilogram)[2]							
			Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
DU-1	1/24/2023	0-0.5	5.11	189	0.227	17.8	**59.8**	<0.0800	<0.999	<0.200
REP-1	2/24/2023	0-0.5	5.32	189	0.252	18.7	**55.5**	<0.0821	<1.03	<0.205
DU-2	1/25/2023	0-0.5	5.24	176	<0.196	20.5	**59.5**	<0.0784	<0.980	<0.196
DU-3	1/24/2023	0-0.5	5.23	181	<0.211	17.1	**42.8**	<0.0846	<1.06	<0.211
SS-01-0.5	1/24/2023	0-0.5	3.30	154	<0.263	12.5	8.3	<0.105	<1.31	<0.263
Coast Range Background Metals Concentrations[3]			12	840	0.54	240	34	0.11	1.5	0.41
DEQ Eco Risk RBC: Direct Toxicity - Plants[4]			18	110	32	--	120	34	0.52	560
DEQ Eco Risk RBC: Direct Toxicity - Invertebrates[4]			6.8	330	140	--	1,700	0.05	4.1	--
DEQ Eco Risk RBC: Non-Threatened and Endangered Ground Feeding Birds[4]			32	1,200	1.6	73	23	0.13	1.4	26
DEQ Eco Risk RBC: Non-Threatened and Endangered Ground Feeding Mammals[4]			31	8,700	4	1,600	170	17	1	140
DEQ Eco Risk RBC: Non-Threatened and Endangered Top Consumers Birds[4]			1,000	13,000	7.7	560	160	0.58	7.5	130
DEQ Eco Risk RBC: Non-Threatened and Endangered Top Consumers Mammals[4]			290	44,000	1,700	10,000	1,600	130	33	10,000

NOTES:
Results in **bold** denote concentrations exceeding background concentrations and one or more screening levels.
< denotes analyte not detected at or exceeding the laboratory reporting limit listed.
RBC = risk-based concentration

[1]Depth in feet below ground surface.

[2]Analyzed by U. S. Environmental Protection Agency Method 6020B.

[3]Oregon Department of Environmental Quality (DEQ). 2013. Table 2, Regional Background Metals Summary Statistics, Portland Basin. *Development of Oregon Background Metals Concentrations in Soil, Technical Report*. March.

[4]DEQ. 2020. Table 1a, *Risk-Based Concentrations for Plants, Invertebrates, and Wildlife Exposed to Soil*. September.

ATTACHMENT A
ANALYTICAL LABORATORY REPORT

INCREMENTAL SAMPLING METHODOLOGY INVESTIGATION REPORT
Dairy Creek Mitigation Bank
42580 Northwest Cedar Canyon Road
Banks, Oregon

Farallon PN: 1826-001

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Monday, February 13, 2023

Megan Masterson
Farallon Consulting
4380 SW Macadam Ave #500
Portland, OR 97239

RE: A3A0871 - 42580 NW Cedar Canyon Rd. - 1826-001

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A3A0871, which was received by the laboratory on 1/25/2023 at 3:00:00PM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: pnerenberg@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Cooler Receipt Information

(See Cooler Receipt Form for details)

Default Cooler	2.3 degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.
All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Farallon Consulting	Project: **42580 NW Cedar Canyon Rd.**	
4380 SW Macadam Ave #500	Project Number: **1826-001**	**Report ID:**
Portland, OR 97239	Project Manager: **Megan Masterson**	**A3A0871 - 02 13 23 1649**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DU-1	A3A0871-01	Soil	01/24/23 12:30	01/25/23 15:00
DU-1	A3A0871-02	Soil	01/24/23 12:30	01/25/23 15:00
DU-2	A3A0871-03	Soil	01/25/23 11:35	01/25/23 15:00
DU-2	A3A0871-04	Soil	01/25/23 11:35	01/25/23 15:00
DU-3	A3A0871-05	Soil	01/24/23 11:05	01/25/23 15:00
DU-3	A3A0871-06	Soil	01/24/23 11:05	01/25/23 15:00
REP-1	A3A0871-07	Soil	01/24/23 14:30	01/25/23 15:00
REP-1	A3A0871-08	Soil	01/24/23 14:30	01/25/23 15:00
SS-01-0.5	A3A0871-09	Soil	01/24/23 09:50	01/25/23 15:00

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Philip Nerenberg

Philip Nerenberg, Lab Director

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Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Farallon Consulting	Project: **42580 NW Cedar Canyon Rd.**	
4380 SW Macadam Ave #500	Project Number: **1826-001**	**Report ID:**
Portland, OR 97239	Project Manager: **Megan Masterson**	**A3A0871 - 02 13 23 1649**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU-1 (A3A0871-02)				**Matrix: Soil**				
Batch: 23B0010								
Arsenic	**5.11**	---	0.999	mg/kg dry	10	02/03/23 07:08	EPA 6020B	**PRO**
Barium	**189**	---	0.999	mg/kg dry	10	02/03/23 07:08	EPA 6020B	**PRO**
Cadmium	**0.227**	---	0.200	mg/kg dry	10	02/03/23 07:08	EPA 6020B	**PRO**
Chromium	**17.8**	---	0.999	mg/kg dry	10	02/03/23 07:08	EPA 6020B	**PRO**
Lead	**59.8**	---	0.200	mg/kg dry	10	02/03/23 07:08	EPA 6020B	**PRO**
Mercury	ND	---	0.0800	mg/kg dry	10	02/03/23 07:08	EPA 6020B	PRO
Selenium	ND	---	0.999	mg/kg dry	10	02/03/23 07:08	EPA 6020B	PRO
Silver	ND	---	0.200	mg/kg dry	10	02/03/23 07:08	EPA 6020B	PRO
DU-2 (A3A0871-04)				**Matrix: Soil**				
Batch: 23B0010								
Arsenic	**5.24**	---	0.980	mg/kg dry	10	02/03/23 07:22	EPA 6020B	**PRO**
Barium	**176**	---	0.980	mg/kg dry	10	02/03/23 07:22	EPA 6020B	**PRO**
Cadmium	ND	---	0.196	mg/kg dry	10	02/03/23 07:22	EPA 6020B	PRO
Chromium	**20.5**	---	0.980	mg/kg dry	10	02/03/23 07:22	EPA 6020B	**PRO**
Lead	**59.5**	---	0.196	mg/kg dry	10	02/03/23 07:22	EPA 6020B	**PRO**
Mercury	ND	---	0.0784	mg/kg dry	10	02/03/23 07:22	EPA 6020B	PRO
Selenium	ND	---	0.980	mg/kg dry	10	02/03/23 07:22	EPA 6020B	PRO
Silver	ND	---	0.196	mg/kg dry	10	02/03/23 07:22	EPA 6020B	PRO
DU-3 (A3A0871-06)				**Matrix: Soil**				
Batch: 23B0010								
Arsenic	**5.23**	---	1.06	mg/kg dry	10	02/03/23 07:27	EPA 6020B	**PRO**
Barium	**181**	---	1.06	mg/kg dry	10	02/03/23 07:27	EPA 6020B	**PRO**
Cadmium	ND	---	0.211	mg/kg dry	10	02/03/23 07:27	EPA 6020B	PRO
Chromium	**17.1**	---	1.06	mg/kg dry	10	02/03/23 07:27	EPA 6020B	**PRO**
Lead	**42.8**	---	0.211	mg/kg dry	10	02/03/23 07:27	EPA 6020B	**PRO**
Mercury	ND	---	0.0846	mg/kg dry	10	02/03/23 07:27	EPA 6020B	PRO
Selenium	ND	---	1.06	mg/kg dry	10	02/03/23 07:27	EPA 6020B	PRO
Silver	ND	---	0.211	mg/kg dry	10	02/03/23 07:27	EPA 6020B	PRO
REP-1 (A3A0871-08)				**Matrix: Soil**				
Batch: 23B0010								

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Farallon Consulting	Project: **42580 NW Cedar Canyon Rd.**	
4380 SW Macadam Ave #500	Project Number: **1826-001**	**Report ID:**
Portland, OR 97239	Project Manager: **Megan Masterson**	**A3A0871 - 02 13 23 1649**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
REP-1 (A3A0871-08)				**Matrix: Soil**				
Arsenic	**5.32**	---	1.03	mg/kg dry	10	02/03/23 07:32	EPA 6020B	**PRO**
Barium	**189**	---	1.03	mg/kg dry	10	02/03/23 07:32	EPA 6020B	**PRO**
Cadmium	**0.252**	---	0.205	mg/kg dry	10	02/03/23 07:32	EPA 6020B	**PRO**
Chromium	**18.7**	---	1.03	mg/kg dry	10	02/03/23 07:32	EPA 6020B	**PRO**
Lead	**55.5**	---	0.205	mg/kg dry	10	02/03/23 07:32	EPA 6020B	**PRO**
Mercury	ND	---	0.0821	mg/kg dry	10	02/03/23 07:32	EPA 6020B	PRO
Selenium	ND	---	1.03	mg/kg dry	10	02/03/23 07:32	EPA 6020B	PRO
Silver	ND	---	0.205	mg/kg dry	10	02/03/23 07:32	EPA 6020B	PRO
SS-01-0.5 (A3A0871-09)				**Matrix: Soil**				
Batch: 23B0010								
Arsenic	**3.30**	---	1.31	mg/kg dry	10	02/03/23 07:47	EPA 6020B	**PRO**
Barium	**154**	---	1.31	mg/kg dry	10	02/03/23 07:47	EPA 6020B	**PRO**
Cadmium	ND	---	0.263	mg/kg dry	10	02/03/23 07:47	EPA 6020B	PRO
Chromium	**12.5**	---	1.31	mg/kg dry	10	02/03/23 07:47	EPA 6020B	**PRO**
Lead	**8.26**	---	0.263	mg/kg dry	10	02/03/23 07:47	EPA 6020B	**PRO**
Mercury	ND	---	0.105	mg/kg dry	10	02/03/23 07:47	EPA 6020B	PRO
Selenium	ND	---	1.31	mg/kg dry	10	02/03/23 07:47	EPA 6020B	PRO
Silver	ND	---	0.263	mg/kg dry	10	02/03/23 07:47	EPA 6020B	PRO

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ANALYTICAL REPORT

Farallon Consulting	Project: **42580 NW Cedar Canyon Rd.**	
4380 SW Macadam Ave #500	Project Number: **1826-001**	**Report ID:**
Portland, OR 97239	Project Manager: **Megan Masterson**	**A3A0871 - 02 13 23 1649**

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU-1 (A3A0871-02)				**Matrix: Soil**		**Batch: 23A1129**		**PRO**
% Solids	**97.7**	---	1.00	%	1	02/01/23 05:21	EPA 8000D	
DU-2 (A3A0871-04)				**Matrix: Soil**		**Batch: 23A1129**		**PRO**
% Solids	**98.3**	---	1.00	%	1	02/01/23 05:21	EPA 8000D	
DU-3 (A3A0871-06)				**Matrix: Soil**		**Batch: 23A1129**		**PRO**
% Solids	**97.9**	---	1.00	%	1	02/01/23 05:21	EPA 8000D	
REP-1 (A3A0871-08)				**Matrix: Soil**		**Batch: 23A1129**		**PRO**
% Solids	**98.4**	---	1.00	%	1	02/01/23 05:21	EPA 8000D	
SS-01-0.5 (A3A0871-09)				**Matrix: Soil**		**Batch: 23A1088**		**PRO**
% Solids	**76.5**	---	1.00	%	1	01/30/23 14:26	EPA 8000D	

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ANALYTICAL REPORT

Farallon Consulting	Project: 42580 NW Cedar Canyon Rd.	
4380 SW Macadam Ave #500	Project Number: 1826-001	Report ID:
Portland, OR 97239	Project Manager: Megan Masterson	A3A0871 - 02 13 23 1649

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23B0010 - EPA 3051A							Soil					
Blank (23B0010-BLK1)			Prepared: 02/01/23 08:43		Analyzed: 02/03/23 06:24							
EPA 6020B												
Arsenic	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	
Barium	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	
Cadmium	ND	---	0.200	mg/kg wet	10	---	---	---	---	---	---	
Chromium	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	
Lead	ND	---	0.200	mg/kg wet	10	---	---	---	---	---	---	
Mercury	ND	---	0.0800	mg/kg wet	10	---	---	---	---	---	---	
Selenium	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	
Blank (23B0010-BLK5)			Prepared: 02/01/23 08:43		Analyzed: 02/06/23 18:15							
EPA 6020B												
Silver	ND	---	0.200	mg/kg wet	10	---	---	---	---	---	---	Q-16
LCS (23B0010-BS1)			Prepared: 02/01/23 08:43		Analyzed: 02/03/23 06:53							
EPA 6020B												
Arsenic	49.5	---	1.00	mg/kg wet	10	50.0	---	99	80-120%	---	---	
Barium	52.5	---	1.00	mg/kg wet	10	50.0	---	105	80-120%	---	---	
Cadmium	50.9	---	0.200	mg/kg wet	10	50.0	---	102	80-120%	---	---	
Chromium	51.6	---	1.00	mg/kg wet	10	50.0	---	103	80-120%	---	---	
Lead	51.5	---	0.200	mg/kg wet	10	50.0	---	103	80-120%	---	---	
Mercury	1.00	---	0.0800	mg/kg wet	10	1.00	---	100	80-120%	---	---	
Selenium	24.7	---	1.00	mg/kg wet	10	25.0	---	99	80-120%	---	---	
Silver	26.7	---	0.200	mg/kg wet	10	25.0	---	107	80-120%	---	---	
Duplicate (23B0010-DUP1)			Prepared: 02/01/23 08:43		Analyzed: 02/03/23 07:13							
QC Source Sample: DU-1 (A3A0871-02)												
EPA 6020B												
Arsenic	**5.29**	---	1.02	mg/kg dry	10	---	5.11	---	---	3	20%	PRO
Barium	**183**	---	1.02	mg/kg dry	10	---	189	---	---	3	20%	PRO
Cadmium	ND	---	0.204	mg/kg dry	10	---	0.227	---	---	***	20%	PRO
Chromium	**18.5**	---	1.02	mg/kg dry	10	---	17.8	---	---	4	20%	PRO
Lead	**60.9**	---	0.204	mg/kg dry	10	---	59.8	---	---	2	20%	PRO
Mercury	ND	---	0.0817	mg/kg dry	10	---	ND	---	---	---	20%	PRO
Selenium	ND	---	1.02	mg/kg dry	10	---	0.912	---	---	***	20%	PRO

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Farallon Consulting	Project: **42580 NW Cedar Canyon Rd.**	
4380 SW Macadam Ave #500	Project Number: **1826-001**	**Report ID:**
Portland, OR 97239	Project Manager: **Megan Masterson**	**A3A0871 - 02 13 23 1649**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23B0010 - EPA 3051A							**Soil**					
Duplicate (23B0010-DUP1)			Prepared: 02/01/23 08:43		Analyzed: 02/03/23 07:13							
QC Source Sample: DU-1 (A3A0871-02)												
Silver	ND	---	0.204	mg/kg dry	10	---	ND	---	---	---	20%	PRO
Matrix Spike (23B0010-MS1)			Prepared: 02/01/23 08:43		Analyzed: 02/03/23 07:18							
QC Source Sample: DU-1 (A3A0871-02)												
EPA 6020B												
Arsenic	54.8	---	1.08	mg/kg dry	10	54.1	5.11	92	75-125%	---	---	PRO
Barium	252	---	1.08	mg/kg dry	10	54.1	189	115	75-125%	---	---	PRO
Cadmium	52.5	---	0.216	mg/kg dry	10	54.1	0.227	97	75-125%	---	---	PRO
Chromium	75.0	---	1.08	mg/kg dry	10	54.1	17.8	106	75-125%	---	---	PRO
Lead	109	---	0.216	mg/kg dry	10	54.1	59.8	90	75-125%	---	---	PRO
Mercury	1.01	---	0.0865	mg/kg dry	10	1.08	ND	93	75-125%	---	---	PRO
Selenium	26.2	---	1.08	mg/kg dry	10	27.0	0.912	93	75-125%	---	---	PRO
Silver	27.3	---	0.216	mg/kg dry	10	27.0	ND	101	75-125%	---	---	PRO

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4380 SW Macadam Ave #500	Project Number: 1826-001	Report ID:
Portland, OR 97239	Project Manager: Megan Masterson	A3A0871 - 02 13 23 1649

QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23A1088 - Total Solids (Dry Weight)							Soil					
Duplicate (23A1088-DUP1)			Prepared: 01/30/23 13:45		Analyzed: 01/30/23 14:26							PRO
QC Source Sample: SS-01-0.5 (A3A0871-09)												
EPA 8000D												
% Solids	**76.5**	---	1.00	%	1	---	76.5	---	---	0.02	10%	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

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ANALYTICAL REPORT

Farallon Consulting	Project: **42580 NW Cedar Canyon Rd.**	
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Portland, OR 97239	Project Manager: **Megan Masterson**	**A3A0871 - 02 13 23 1649**

QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23A1129 - Total Solids (Dry Weight)							**Soil**					
Duplicate (23A1129-DUP1)			Prepared: 01/31/23 14:01		Analyzed: 02/01/23 05:21							**PRO**
QC Source Sample: DU-1 (A3A0871-02)												
EPA 8000D												
% Solids	**97.7**	---	1.00	%	1	---	97.7	---	---	0.02	10%	
Duplicate (23A1129-DUP2)			Prepared: 01/31/23 14:01		Analyzed: 02/01/23 05:21							**PRO**
QC Source Sample: DU-2 (A3A0871-04)												
EPA 8000D												
% Solids	**98.4**	---	1.00	%	1	---	98.3	---	---	0.08	10%	
Duplicate (23A1129-DUP3)			Prepared: 01/31/23 19:28		Analyzed: 02/01/23 05:21							
QC Source Sample: Non-SDG (A3A1034-01)												
% Solids	**92.3**	---	1.00	%	1	---	92.3	---	---	0.05	10%	
Duplicate (23A1129-DUP4)			Prepared: 01/31/23 19:28		Analyzed: 02/01/23 05:21							
QC Source Sample: Non-SDG (A3A1034-02)												
% Solids	**92.8**	---	1.00	%	1	---	93.1	---	---	0.4	10%	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

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4380 SW Macadam Ave #500	Project Number: **1826-001**	**Report ID:**
Portland, OR 97239	Project Manager: **Megan Masterson**	**A3A0871 - 02 13 23 1649**

SAMPLE PREPARATION INFORMATION

Total Metals by EPA 6020B (ICPMS)

Prep: EPA 3051A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 23B0010							
A3A0871-02	Soil	EPA 6020B	01/24/23 12:30	02/01/23 08:43	0.512g/50mL	0.5g/50mL	0.98
A3A0871-04	Soil	EPA 6020B	01/25/23 11:35	02/01/23 08:43	0.519g/50mL	0.5g/50mL	0.96
A3A0871-06	Soil	EPA 6020B	01/24/23 11:05	02/01/23 08:43	0.483g/50mL	0.5g/50mL	1.04
A3A0871-08	Soil	EPA 6020B	01/24/23 14:30	02/01/23 08:43	0.495g/50mL	0.5g/50mL	1.01
A3A0871-09	Soil	EPA 6020B	01/24/23 09:50	02/01/23 08:43	0.497g/50mL	0.5g/50mL	1.01

Percent Dry Weight

Prep: Total Solids (Dry Weight)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 23A1088							
A3A0871-09	Soil	EPA 8000D	01/24/23 09:50	01/30/23 13:45			NA
Batch: 23A1129							
A3A0871-02	Soil	EPA 8000D	01/24/23 12:30	01/31/23 14:01			NA
A3A0871-04	Soil	EPA 8000D	01/25/23 11:35	01/31/23 14:01			NA
A3A0871-06	Soil	EPA 8000D	01/24/23 11:05	01/31/23 14:01			NA
A3A0871-08	Soil	EPA 8000D	01/24/23 14:30	01/31/23 14:01			NA

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QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

Apex Laboratories

PRO	Sample has undergone sample processing prior to extraction and analysis.
Q-16	Reanalysis of an original Batch QC sample.

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REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.

ND Analyte NOT DETECTED at or above the detection or reporting limit.

NR Result Not Reported

RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as " dry", " wet", or " " (blank) designation.

" dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.

" wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.
For further details, please request a copy of this document.

Apex Laboratories

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Farallon Consulting	Project: **42580 NW Cedar Canyon Rd.**	
4380 SW Macadam Ave #500	Project Number: **1826-001**	**Report ID:**
Portland, OR 97239	Project Manager: **Megan Masterson**	**A3A0871 - 02 13 23 1649**

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

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ANALYTICAL REPORT

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LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation) - EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation

All reported analytes are included in Apex Laboratories' current ORELAP scope.

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.
Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

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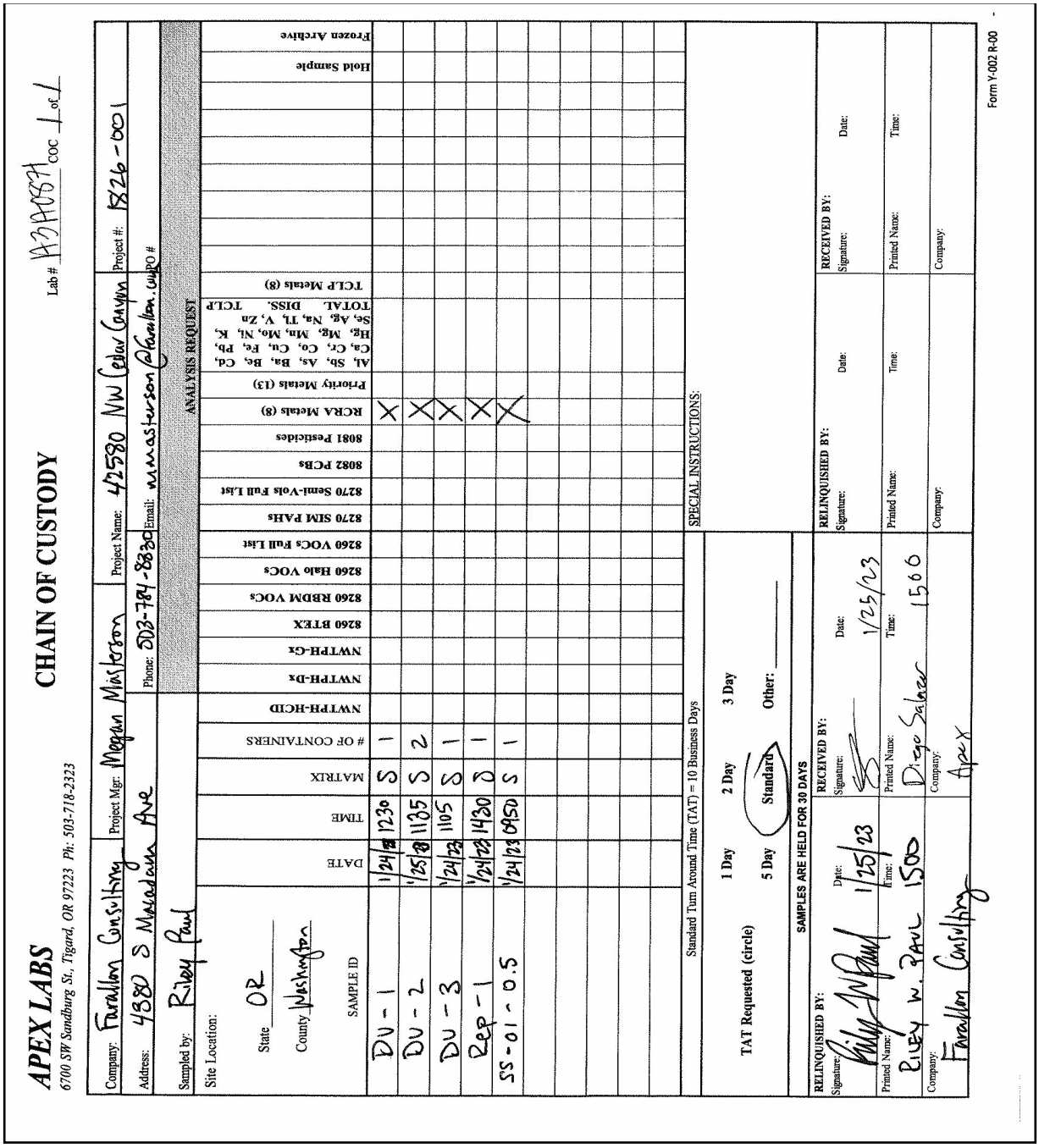

APEX LABS
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

CHAIN OF CUSTODY

Lab # A3A0871 COC 1 of 1

Company: Farallon Consulting Project Mgr: Megan Masterson Project Name: 42580 NW Cedar Canyon Project #: 1826-001
Address: 4380 S Macadam Ave Phone: 503-784-8830 Email: mmasterson@farallon.com PO #
Sampled by: Riley Paul
Site Location: State OR County Washington

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pesticides	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Hold Sample	Frozen Archive
DU - 1	1/24/23	1230	S	1												X					
DU - 2	1/25/23	1135	S	2												X					
DU - 3	1/24/23	1105	S	1												X					
Rep - 1	1/24/23	1430	S	1												X					
SS-01 - 0.5	1/24/23	0950	S	1												X					

Standard Turn Around Time (TAT) = 10 Business Days
TAT Requested (circle): 1 Day 2 Day 3 Day 5 Day Standard Other: _____

SPECIAL INSTRUCTIONS:

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY: Signature:	Date: 1/25/23	RECEIVED BY: Signature:	Date: 1/25/23	RELINQUISHED BY: Signature:	Date:	RECEIVED BY: Signature:	Date:
Printed Name: Riley Paul	Time: 1500	Printed Name: Diego Salazar	Time: 1560	Printed Name:	Time:	Printed Name:	Time:
Company: Farallon Consulting		Company: Apex		Company:		Company:	

Form Y-002 R-00

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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APEX LABS COOLER RECEIPT FORM

Client: Farallon Consulting Element WO#: A3 A0871

Project/Project #: 42580 NW Cedar Canyon / 1826-001

Delivery Info:

Date/time received: 1/25/23 @ 1500 By: DJS

Delivered by: Apex__Client X ESS__FedEx__UPS__Radio__Morgan__SDS__Evergreen__Other__

Cooler Inspection Date/time inspected: 1/25/23 @ 1500 By: DJS

Chain of Custody included? Yes X No ____

Signed/dated by client? Yes X No ____

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	2.3						
Custody seals? (Y/N)	N						
Received on ice? (Y/N)	Y						
Temp. blanks? (Y/N)	N						
Ice type: (Gel/Real/Other)	Gel						
Condition (In/Out):	In						

Cooler out of temp? (Y/N) Possible reason why: ____

Green dots applied to out of temperature samples? Yes/No

Out of temperature samples form initiated? Yes/No

Sample Inspection: Date/time inspected: 1/25/23 @ 1732 By: AKK

All samples intact? Yes X No ___ Comments: ____

Bottle labels/COCs agree? Yes X No ___ Comments: ____

COC/container discrepancies form initiated? Yes ___ No X

Containers/volumes received appropriate for analysis? Yes X No ___ Comments: DU1 7/8 Full. DU2 1/2 Jars filled to lid. DU-3 + REP-1 3/4 Full.

Do VOA vials have visible headspace? Yes ___ No ___ NA X

Comments ____

Water samples: pH checked: Yes___No___NA X pH appropriate? Yes___No___NA X

Comments: ____

Additional information: ____

Labeled by: AKK Witness: DNP Cooler Inspected by: Client

Form Y-003 R-00

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