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December 24, 2015

Mr. Ed Jones, Project Manager
Washington State Department of Ecology
3190 160th Avenue Southeast
Bellevue, Washington 98008-5452

BY E-MAIL ONLY

**RE: PROGRESS REPORT, OCTOBER THROUGH DECEMBER 2015
REMEDIAL INVESTIGATION MONITORING AND FEASIBILITY STUDY
CAPITAL INDUSTRIES, INC., SEATTLE, WASHINGTON
AGREED ORDER NO. DE 10402
FARALLON PN: 457-008**

Dear Mr. Jones:

Farallon Consulting, L.L.C. (Farallon) has prepared this progress report on behalf of Capital Industries, Inc. (Capital) to summarize the activities conducted during the fourth quarter of 2015, October through December, as part of the ongoing Remedial Investigation (RI) monitoring and Feasibility Study (FS) being conducted at the Capital Site at 5801 3rd Avenue South in Seattle, Washington. This progress report has been prepared in accordance with Agreed Order No. DE 10402 entered into by Capital; Art Brass Plating, Inc.; Blaser Die Casting Co.; PSC Environmental Services, LLC (Burlington Environmental, LLC is a wholly owned subsidiary of PSC Environmental Services, LLC, which is a wholly owned subsidiary of Stericycle Environmental Solutions, Inc.); and the Washington State Department of Ecology (Ecology) dated April 23, 2014 (Agreed Order). Capital and the other Potentially Liable Persons listed above are referred to collectively as the West of 4th Group. The West of 4th Group site under the Agreed Order consists of Site Unit 1 (SU1) and Site Unit 2 (SU2) as depicted in Attachment A. The Capital property is located within SU2.

ACTIVITIES DURING REPORTING PERIOD

Activities completed during the progress reporting period included:

- Continuing operation of vapor intrusion mitigation subslab depressurization systems (SSDS) at the Pacific Foods North Building at 5815 4th Avenue South and at the Olympic Medical Facility at 5900 First Avenue South in Seattle, Washington.
- Completing a second round of Tier 3 Vapor Intrusion Assessment work at buildings where Tier 1 and Tier 2 Assessment work has indicated additional sampling is required to confirm air quality remains below action levels for Tier 4 Mitigation measures. This work included sampling indoor air at the Capital offices and the Pacific Food Systems South Building.
- Completing soil and groundwater remedial investigation work, implemented in September 2015, to address SU2 data gaps specific to SU2 and Capital. The work



performed included conducting soil sampling at Capital Plants 2 and 4 and evaluating the soil investigation data.

- Evaluating the semiannual groundwater monitoring and sampling data from September 2015, including data from newly installed monitoring well CI-20-80.
- Sampling groundwater at newly installed monitoring well CI-20-80 on December 18, 2015.
- Continuing work on the Feasibility Study.

The activities above are summarized in the sections that follow.

MONITORING AND SAMPLING ACTIVITIES

Activities conducted during this reporting period included vapor intrusion monitoring and mitigation work, routine groundwater monitoring and sampling of select SU2 monitoring wells, and soil investigation work at Capital Plants 2 and 4. The activities completed are described below.

Vapor Intrusion Monitoring and Mitigation Work

The SSDS at the Pacific Food Systems North Building and at the Olympic Medical Facility are operational and continue to be monitored periodically. Both SSDSs are operating in accordance with expected parameters.

A second round of ambient air samples was collected at the Pacific Food Systems North Building to evaluate the effectiveness of the SSDS following startup in April 2015. The results indicate that concentrations of tetrachloroethene and trichloroethene persist but are less than action levels presented in the memorandum regarding Revised Vapor Intrusion Assessment, Monitoring, and Mitigation dated February 2, 2015, prepared by Farallon. The SSDS will be adjusted to increase the applied vacuum, and another sampling event will be performed between February and March 2016 to evaluate the SSDS performance. No further action is required at the Olympic Medical Facility, and SSDS operations will be maintained and monitored.

In accordance with the memorandum regarding Revised Vapor Intrusion Assessment, Monitoring, and Mitigation Plan and the *Revised Sampling and Analysis Plan for Air Quality Monitoring* dated May 18, 2015, prepared by Farallon, a second round of Tier 3 Vapor Intrusion Assessment sampling was performed at the following locations:

- Pacific Food Systems South Building at 5815 4th Avenue South in Seattle, Washington; and
- The Capital QC and Laser Office, Office Area 2, and the Shipping Office at 5801 3rd Avenue South in Seattle, Washington.

An initial sampling event was performed in June 2015. The purpose of the second sampling event was to confirm the results of previous sampling events conducted between 2011 and 2015.



Air samples were collected inside and outside these locations in late November 2015 to evaluate current air quality. Concentrations of constituents of concern in the air samples collected remain below actions levels presented in the memorandum regarding Revised Vapor Intrusion Assessment, Monitoring, and Mitigation. The analytical results continue to confirm that mitigation measures are not necessary.

Groundwater Monitoring and Sampling Data Management

Monitoring well CI-20-80 was installed on September 15, 2015 in accordance with the Revised Groundwater Monitoring Well Installation Plan submitted to Ecology on May 21, 2015 and conditionally approved by Ecology on June 2, 2015. Monitoring well CI-20-80 is located on the Chevron Station property at 5940 East Marginal Way in Seattle, Washington. The monitoring well is constructed with a well screen set at an approximate depth of 75 to 80 feet below ground surface. Monitoring well CI-20-80 was sampled as part of the groundwater monitoring and sampling event conducted in September 2015. The results of groundwater monitoring indicate that concentrations of all constituents of concern are less than the laboratory reporting limits.

Ecology has required that monitoring well CI-20-80 be sampled on a quarterly basis for a minimum of one year before revising the sampling frequency. The monitoring well was sampled again on December 18, 2015. The results of groundwater monitoring again indicated that concentrations of all constituents of concern are less than the laboratory reporting limits. The next sampling event will occur in March 2015, concurrently with the West of 4th Group sampling event.

Groundwater monitoring and sampling was performed in September 2015 in accordance with the memorandum regarding Revised West of 4th Groundwater Monitoring Program Plan dated December 23, 2014, prepared by Pacific Groundwater Group. The results of the sampling have been summarized and are included on summary figures attached to this report in Attachment B.

Soil Investigation Work

A passive soil gas survey at Capital Plant 4 was conducted in September 2015 in accordance with the scope of work presented in the *Revised Soil Investigation Work Plan* dated August 1-, 2015, prepared by Farallon, which was submitted to Ecology on August 10, 2015 and conditionally approved by Ecology on August 17, 2015. A purpose of the soil gas survey is to evaluate prospective boring locations for collecting soil samples required to refine the understanding of soil contamination limits beneath Capital Plant 4. Fourteen borings were completed at Capital Plant 4 on October 17, 2015 and 37 soil samples were submitted for laboratory analysis for the constituents of concern. The supplemental soil data has provided data sufficient to proceed with evaluation of cleanup alternatives for the Feasibility Study.

Soil investigation work also was conducted at Capital Plant 2 on October 10 and 11, 2015 in accordance with the scope of work presented in the Revised Soil Investigation Plan submitted to Ecology on August 10, 2015 and conditionally approved by Ecology on August 17, 2015. Seventeen borings were completed at Capital Plant 2 and 46 soil samples were submitted for



laboratory analysis of the constituents of concern. The supplemental soil data has provided data sufficient to proceed with evaluation of cleanup alternatives for the Feasibility Study.

The results of the sampling at Capital Plants 2 and 4 are included on draft summary tables and figures attached to this report. The sampling results will be reported and included as an appendix to the *Revised Draft Remedial Investigation Report* dated October 2012, prepared by Farallon on behalf of Capital, as discussed with Ecology.

INTERIM MEASURES

No interim measures were implemented during this reporting period.

FEASIBILITY STUDY WORK

All deliverables preceding the Feasibility Study Report and mandated under the Agreed Order has been previously completed. The West of 4th Group is proceeding with completing the Draft Feasibility Study Report(s) that will be delivered to Ecology by January 29, 2016.

Copies of historical deliverables, including comments received from Ecology, are available on the West of 4th website (<http://aspectconsulting.com/clients/W4/>).

PUBLIC COMMUNICATIONS

No public communication activities were completed during this period.

ANTICIPATED WORK IN THE NEXT QUARTER

Work anticipated to be performed during first quarter of 2016, January through March, is summarized below.

MONITORING AND SAMPLING ACTIVITIES

A groundwater monitoring and sampling event is scheduled for March 2016. The data will be used to continue to evaluate plume stability.

The remedial investigation data gap work performed in 2015 will be summarized and presented as an appendix to the Draft Remedial Investigation Report. The report will be finalized with no changes other than the addition of the appendix documenting the data gap work. The proposed due date for submittal of the draft appendix to Ecology is January 29, 2016.

VAPOR INTRUSION

Indoor and outdoor ambient air samples will be collected for laboratory analysis at the Pacific Food Systems North Building in the next quarter to continue monitoring the performance of the SSDS.

Tier 3 Vapor Intrusion Assessment Reports will be prepared for the Capital Plant 2 sampling performed in June and November of 2015. An Annual Vapor Intrusion Mitigation Status Report will be prepared for Olympic Medical Facility.



INTERIM MEASURES

No interim measures are anticipated during the next reporting period.

FEASIBILITY STUDY WORK

The Draft Feasibility Study report is due to Ecology by January 29, 2016.

PUBLIC COMMUNICATIONS

The project website (<http://www.farallonconsulting.com/client-portal/public/capital-industries-document-and-data-maintenance>) will be updated with an electronic copy of this progress report.

The next progress report will summarize activities completed from January through March 2016 and will be submitted on or before March 24, 2016.

CLOSING

Farallon trusts that this quarterly progress report provides sufficient information for Ecology. If you have questions regarding this project, please contact the undersigned at (425) 295-0800.

Sincerely,

Farallon Consulting, L.L.C.

A handwritten signature in blue ink that reads "Jeffrey Kaspar".

Jeffrey Kaspar, L.G., L.H.G.
Principal Geologist

Attachments: Attachment A, Figure 1, *Site Diagram*
Attachment B, Groundwater Analytical Results
Attachment C, Soil Investigation Analytical Results

cc: Ron Taylor, Capital Industries, Inc. (by e-mail)
Donald Verfurth, Gordon and Rees, L.L.P. (by e-mail)

E-mail with link to electronic copy on project website:

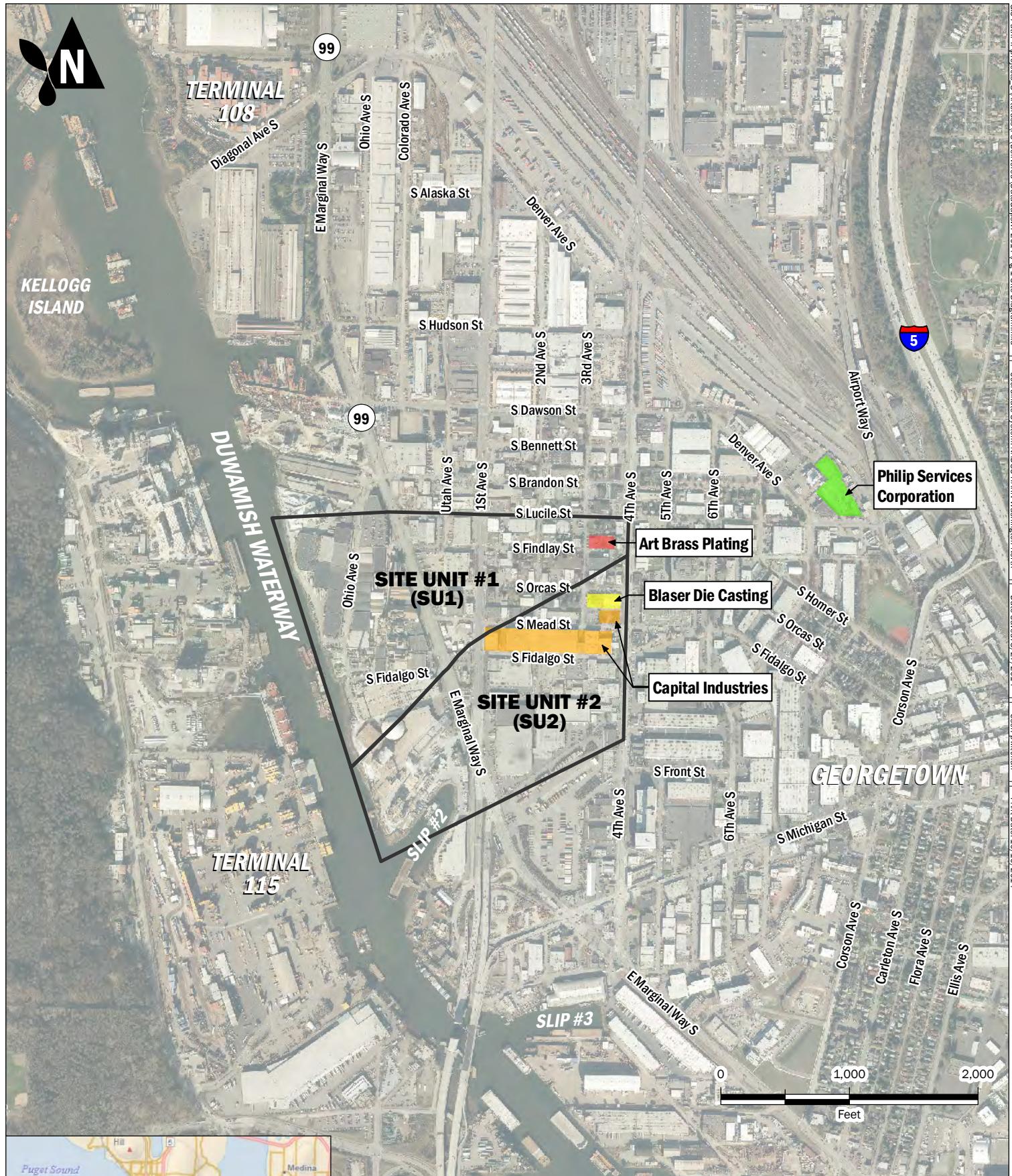
Janet Knox, Pacific Groundwater Group
Dana Cannon, Aspect Consulting
Bill Carroll, Arrow Environmental
Bill Beck, Phillips Service Corporation

JK/tlc

**ATTACHMENT A
SITE DIAGRAM**

PROGRESS REPORT, OCTOBER THROUGH DECEMBER 2015
Capital Industries, Inc.
Seattle, Washington

Farallon PN: 457-008



Site Diagram

Seattle, Washington

Aspect
CONSULTING

MAR-2014
PROJECT NO.
050067

BY:
PPW
REV BY:
PPW

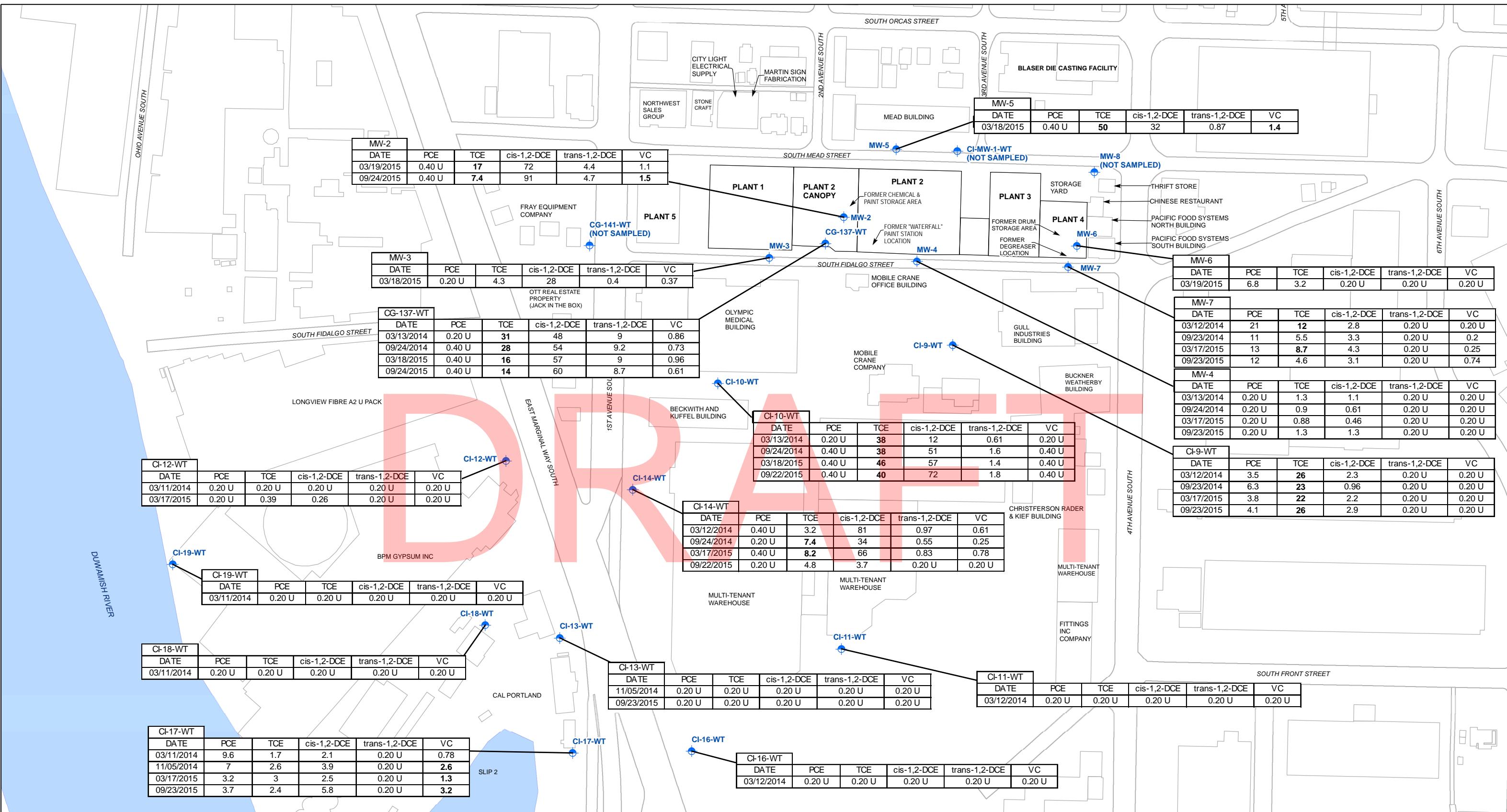
FIGURE:
1

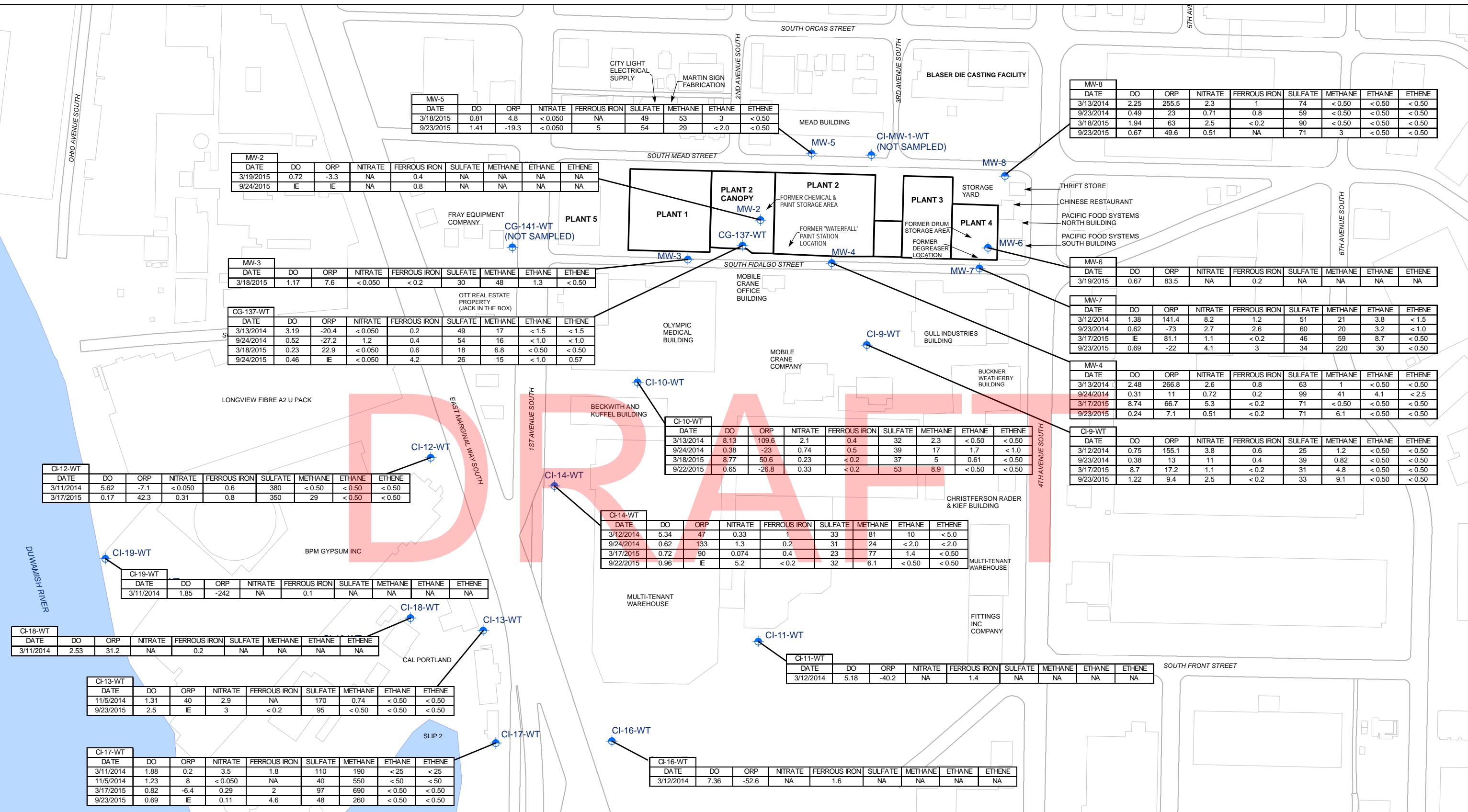
ATTACHMENT B
GROUNDWATER ANALYTICAL RESULTS

PROGRESS REPORT, OCTOBER THROUGH DECEMBER 2015

**Capital Industries, Inc.
Seattle, Washington**

Farallon PN: 457-008





LEGEND

- CAPITAL INDUSTRIES WATER TABLE ZONE MONITORING WELL

DO = DISSOLVED OXYGEN (MILLIGRAMS PER LITER)
 ORP = OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)
 IE = INSTRUMENT ERROR
 NA = NOT ANALYZED
 FERROUS IRON, NITRATE AND SULFATE IN MILLIGRAMS PER LITER UNITS
 METHANE, ETHANE, AND ETHENE IN MICROGRAMS PER LITER UNITS

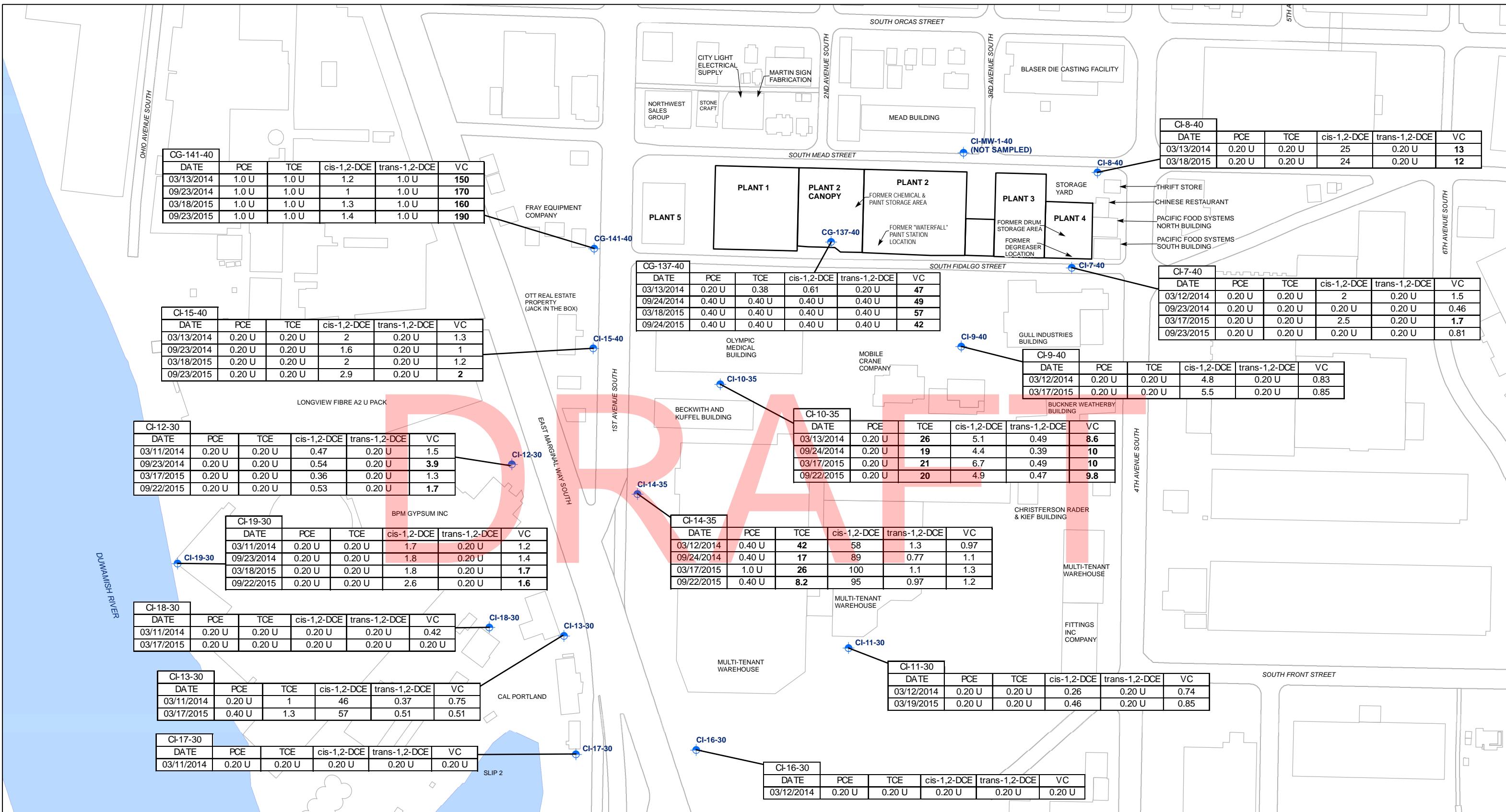
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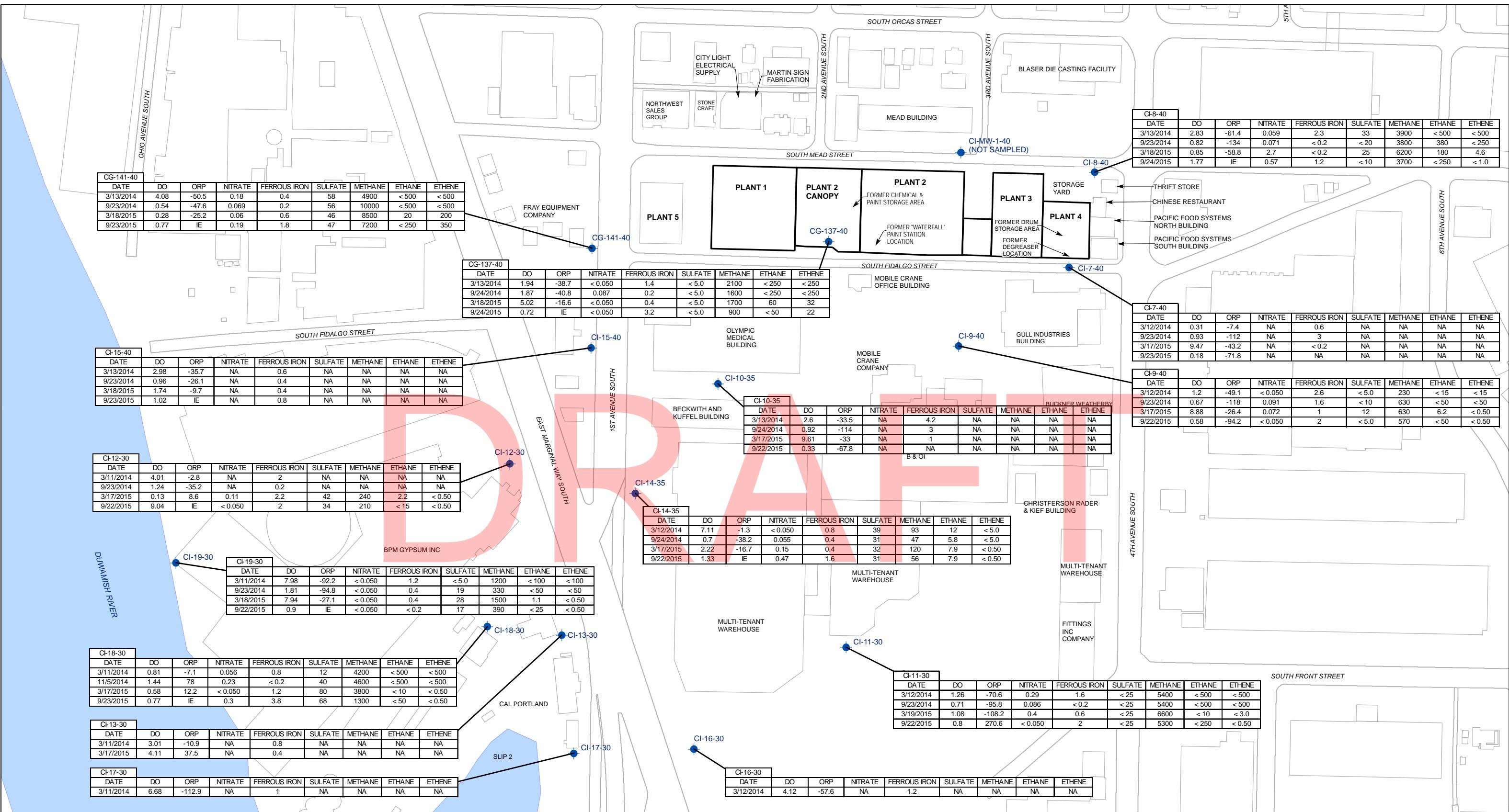
N

0 100 200
Scale in Feet



FIGURE 1A
NATURAL ATTENUATION PARAMETERS RESULTS FOR
WATER TABLE ZONE: 2014 - 2015
REMEDIAL INVESTIGATION
CAPITAL INDUSTRIES, INC.
SEATTLE, WASHINGTON
 FARALLON PN: 457-007
 Drawn By: tperrin Checked By: JK Date: 11/24/2015
 Document Path: G:\Projects\457 Capital Indust\457010 West of 4th - Site Unit 2\GIS\GW_Q42015\Figure1A_NatAttenuWaterTableZone - fix.mxd
 Disc Reference:





LEGEND

- CAPITAL INDUSTRIES SHALLOW WATER-BEARING ZONE WELL

DO = DISSOLVED OXYGEN (MILLIGRAMS PER LITER)
 ORP = OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)
 IE = INSTRUMENT ERROR
 NA = NOT ANALYZED
 FERROUS IRON, NITRATE AND SULFATE IN MILLIGRAMS PER LITER UNITS
 METHANE, ETHANE, AND ETHENE IN MICROGRAMS PER LITER UNITS

DRAFT

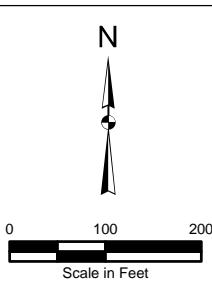
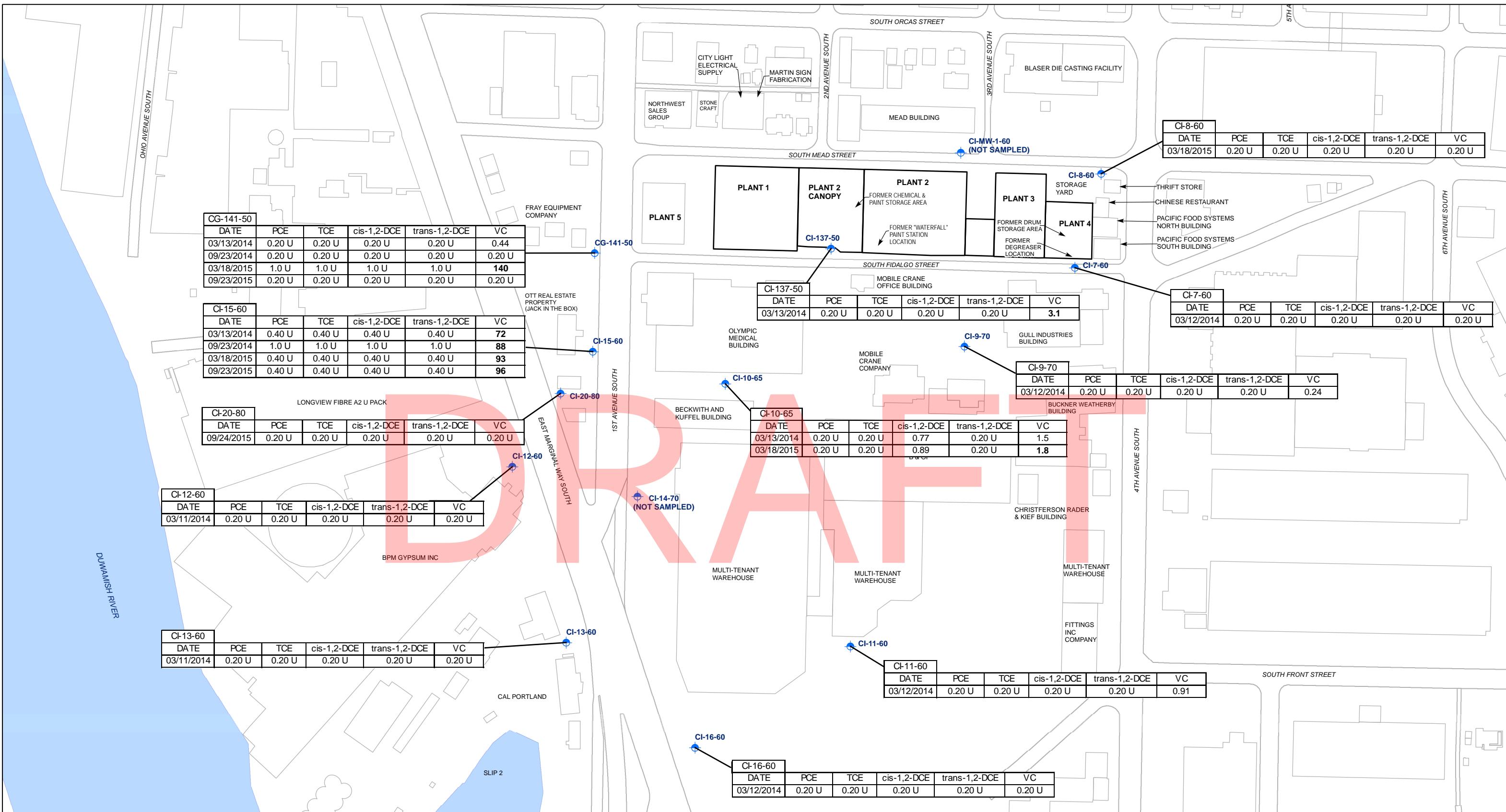


FIGURE 2A
 NATURAL ATTENUATION PARAMETERS RESULTS FOR
 SHALLOW ZONE: 2014 - 2015
 REMEDIAL INVESTIGATION
 CAPITAL INDUSTRIES, INC.
 SEATTLE, WASHINGTON
 FARALLON PN: 457-007
 Drawn By: tperrin Checked By: JK Date: 11/24/2015
 Document Path: G:\Projects\457 Capital Indust\457010 West of 4th - Site Unit 2\GIS\GW_Q42015\Figure2A NatAttenu ShallowZone - fix.mxd
 Disc Reference:



LEGEND

• CAPITAL INDUSTRIES INTERMEDIATE WATER-BEARING ZONE WELL
ALL ANALYTICAL RESULTS IN MICROGRAMS PER LITER, SAMPLE DATES LISTED
DCE = DICHLOROETHENE
PCE = TETRACHLOROETHENE
TCE = TRICHLOROETHENE
VC = VINYL CHLORIDE
BOLD = INDICATES CONCENTRATIONS EXCEED WEST OF FOURTH GROUNDWATER PRELIMINARY CLEANUP LEVELS FOR PROTECTION OF AIR
U = INDICATES CONCENTRATIONS NOT DETECTED ABOVE THE STATED LABORATORY PRACTICAL QUANTITATION LIMIT

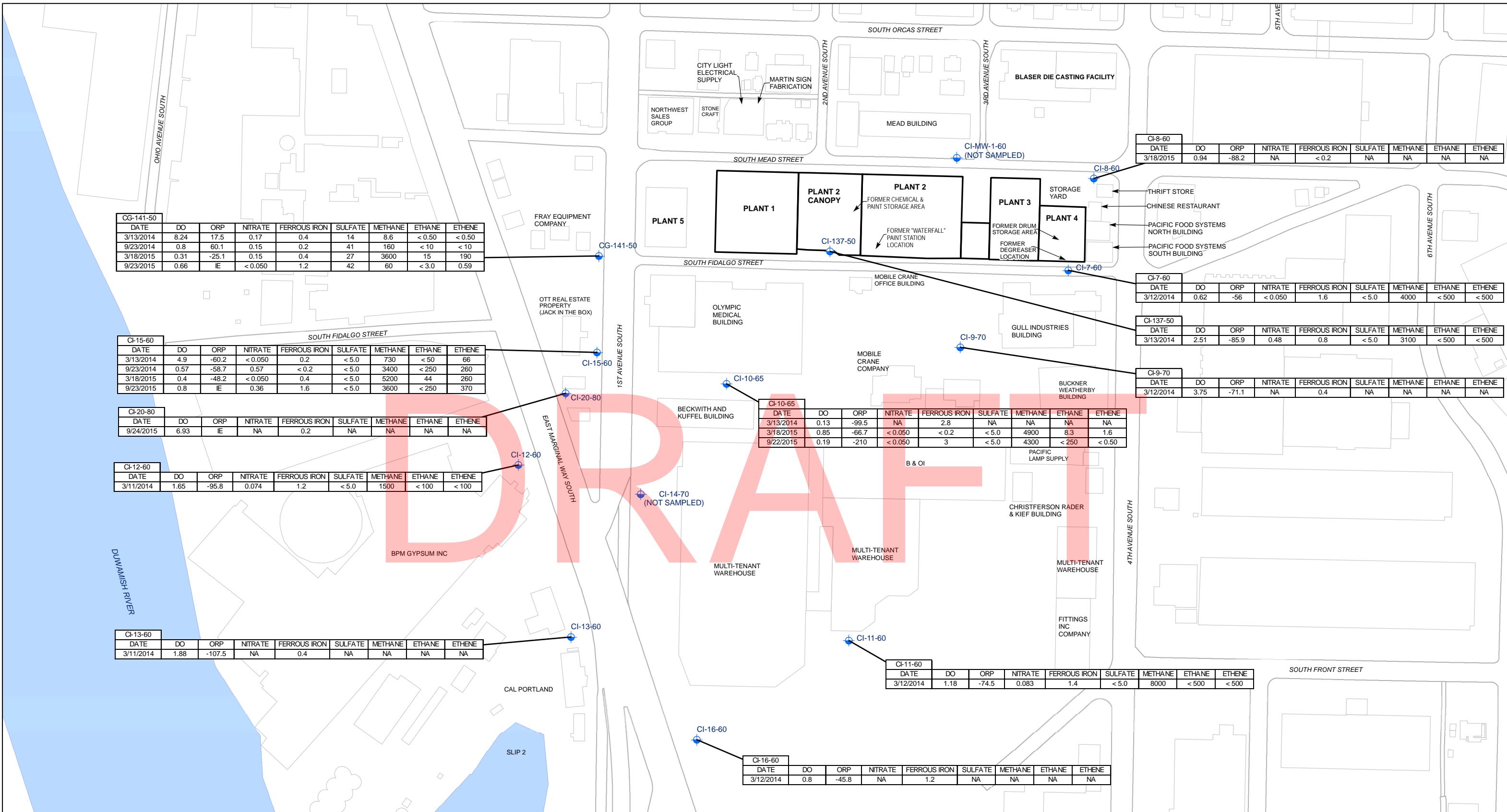
DRAFT

N

0 100 200
Scale in Feet



FIGURE 3
GROUNDWATER ANALYTICAL RESULTS FOR
INTERMEDIATE ZONE: 2014 - 2015
REMEDIAL INVESTIGATION
CAPITAL INDUSTRIES, INC.
SEATTLE, WASHINGTON
FARALLON PN: 457-007
Disc Reference:
Checked By: JK Date: 11/24/2015
Document Path: G:\Projects\457 Capital Indust\457010 West of 4th - Site Unit 2\GIS\GW_Q42015\Figure3 GWHVOC IntermedZone.mxd
Drawn By: tperrin



LEGEND

- CAPITAL INDUSTRIES INTERMEDIATE WATER-BEARING ZONE WELL
- DO = DISSOLVED OXYGEN (MILLIGRAMS PER LITER)
- ORP = OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)
- IE = INSTRUMENT ERROR
- NA = NOT ANALYZED
- FERROUS IRON, NITRATE AND SULFATE IN MILLIGRAMS PER LITER UNITS
- METHANE, ETHANE, AND ETHENE IN MICROGRAMS PER LITER UNITS

DRAFT

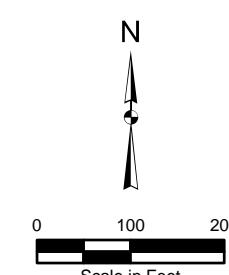


FIGURE 3A
NATURAL ATTENUATION PARAMETERS RESULTS FOR
INTERMEDIATE ZONE: 2014 - 2015
REMEDIAL INVESTIGATION
CAPITAL INDUSTRIES, INC.
SEATTLE, WASHINGTON
FARALLON PN: 457-007
Disc Reference:
Drawn By: tperrin Checked By: JK Date: 11/24/2015
Document Path: G:\Projects\457 Capital Indust\457010 West of 4th - Site Unit 2\GIS\GW_Q42015\Figure3A_NatAttenuIntermedZone - fix.mxd

ATTACHMENT C
SOIL INVESTIGATION ANALYTICAL RESULTS

PROGRESS REPORT, OCTOBER THROUGH DECEMBER 2015
Capital Industries, Inc.
Seattle, Washington

Farallon PN: 457-008

P2-5	DEPTH	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
1	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	
3	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	
5	0.00099 U	0.00099 U	0.00099 U	0.00099 U	0.00099 U	
7.5	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	

P2-6	DEPTH	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
1	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	
3	0.00099 U	0.00099 U	0.00099 U	0.00099 U	0.00099 U	
5	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	
8	0.00098 U	0.00098 U	0.00098 U	0.00098 U	0.00098 U	

P2-14	DEPTH	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
1	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	
3	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	
5	0.00098 U	0.00098 U	0.00098 U	0.00098 U	0.00098 U	
8	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	

P2-7	DEPTH	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
1	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U	
3	0.0021 U	0.0021 U	0.0021 U	0.0021 U	0.0021 U	
5	0.0012 U	0.0015	0.0063	0.0012 U	0.0012 U	
7.5	0.00096 U	0.0042	0.0081	0.0013	0.00096 U	

P2-11	DEPTH	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
1	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	
3	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	
5	0.00088 U	0.00088 U	0.00088 U	0.00088 U	0.00088 U	
7.5	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	

P2-8	DEPTH	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
1	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	
3	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.0028 U	
5	0.00099 U	0.00099 U	0.00099 U	0.00099 U	0.00099 U	
7.5	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	

P2-10	DEPTH	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
1	0.0053 U	0.0053 U	0.0053 U	0.0053 U	0.0053 U	
3	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.0028 U	
5	0.00082 U	0.00082 U	0.00082 U	0.00082 U	0.00082 U	

P2-9	DEPTH	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
1	0.00095 U	0.00095 U	0.00095 U	0.00095 U	0.00095 U	
3	0.0032	0.0011 U	0.0011 U	0.0011 U	0.0011 U	
5	0.00092 U	0.00092 U	0.00092 U	0.00092 U	0.00092 U	

P2-12	DEPTH	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
1	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	
3	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	
5	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	

P2-13	DEPTH	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
1	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	
3	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	
5	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	

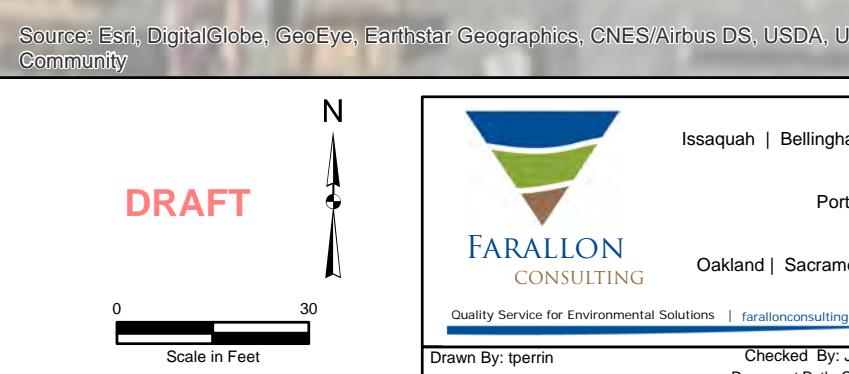
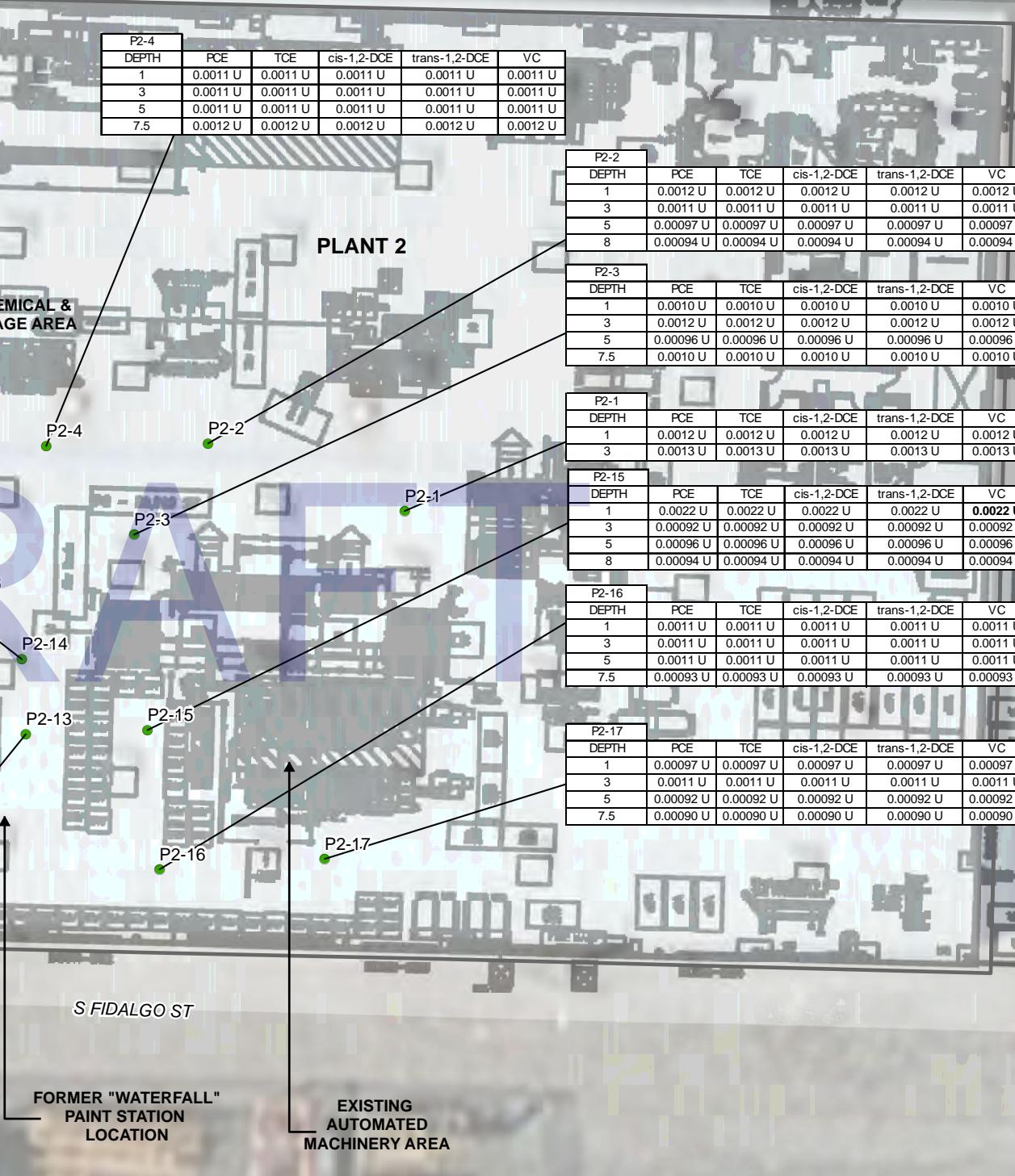


Table 1
Summary of Plant 2 Soil Analytical Results
Remedial Investigation
Capital Industries, Inc.
Seattle, Washington
Farallon PN: 457-007

Sample Identification	Sample Location	Sampled By	Sample Date	Sample Depth (feet)¹	Analytical Results (milligrams per kilogram)²				
					PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
P2-1-1.0	P2-1	Farallon	10/11/2015	1	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
P2-1-3.0	P2-1	Farallon	10/11/2015	3	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013
P2-2-1.0	P2-2	Farallon	10/11/2015	1	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
P2-2-3.0	P2-2	Farallon	10/11/2015	3	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
P2-2-5.0	P2-2	Farallon	10/11/2015	5	< 0.00097	< 0.00097	< 0.00097	< 0.00097	< 0.00097
P2-2-8.0	P2-2	Farallon	10/11/2015	8	< 0.00094	< 0.00094	< 0.00094	< 0.00094	< 0.00094
P2-3-1.0	P2-3	Farallon	10/11/2015	1	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
P2-3-3.0	P2-3	Farallon	10/11/2015	3	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
P2-3-5.0	P2-3	Farallon	10/11/2015	5	< 0.00096	< 0.00096	< 0.00096	< 0.00096	< 0.00096
P2-3-7.5	P2-3	Farallon	10/11/2015	7.5	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
P2-4-1.0	P2-4	Farallon	10/10/2015	1	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
P2-4-3.0	P2-4	Farallon	10/10/2015	3	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
P2-4-5.0	P2-4	Farallon	10/10/2015	5	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
P2-4-7.5	P2-4	Farallon	10/10/2015	7.5	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
P2-5-1.0	P2-5	Farallon	10/10/2015	1	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
P2-5-3.0	P2-5	Farallon	10/10/2015	3	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
P2-5-5.0	P2-5	Farallon	10/10/2015	5	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099
P2-5-7.5	P2-5	Farallon	10/10/2015	7.5	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
P2-6-1.0	P2-6	Farallon	10/10/2015	1	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
P2-6-3.0	P2-6	Farallon	10/10/2015	3	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099
P2-6-5.0	P2-6	Farallon	10/10/2015	5	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
P2-6-8.0	P2-6	Farallon	10/10/2015	8	< 0.00098	< 0.00098	< 0.00098	< 0.00098	< 0.00098
Preliminary Cleanup Levels for Soil					0.08³/0.44⁴	0.03³/0.057⁴	160⁵	0.59³/62⁴	0.002³/0.010⁴

Table 1
Summary of Plant 2 Soil Analytical Results
Remedial Investigation
Capital Industries, Inc.
Seattle, Washington
Farallon PN: 457-007

Sample Identification	Sample Location	Sampled By	Sample Date	Sample Depth (feet) ¹	Analytical Results (milligrams per kilogram) ²				
					PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
P2-7-1.0	P2-7	Farallon	10/10/2015	1	< 0.0024	< 0.0024	< 0.0024	< 0.0024	< 0.0024
P2-7-3.0	P2-7	Farallon	10/10/2015	3	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
P2-7-5.0	P2-7	Farallon	10/10/2015	5	< 0.0012	0.0015	0.0063	< 0.0012	< 0.0012
P2-7-7.5	P2-7	Farallon	10/10/2015	7.5	< 0.00096	0.0042	0.0081	0.0013	< 0.00096
P2-8-1.0	P2-8	Farallon	10/10/2015	1	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022
P2-8-3.0	P2-8	Farallon	10/10/2015	3	< 0.0028	< 0.0028	< 0.0028	< 0.0028	< 0.0028
P2-8-5.0	P2-8	Farallon	10/10/2015	5	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099
P2-8-7.5	P2-8	Farallon	10/10/2015	7.5	< 0.0018	< 0.0018	< 0.0018	< 0.0018	< 0.0018
P2-9-1.0	P2-9	Farallon	10/10/2015	1	< 0.00095	< 0.00095	< 0.00095	< 0.00095	< 0.00095
P2-9-3.0	P2-9	Farallon	10/10/2015	3	0.0032	< 0.0011	< 0.0011	< 0.0011	< 0.0011
P2-9-5.0	P2-9	Farallon	10/10/2015	5	< 0.00092	< 0.00092	< 0.00092	< 0.00092	< 0.00092
P2-9-7.0	P2-9	Farallon	10/10/2015	7	< 0.00095	< 0.00095	< 0.00095	< 0.00095	< 0.00095
P2-10-1.0	P2-10	Farallon	10/10/2015	1	< 0.0053	< 0.0053	< 0.0053	< 0.0053	< 0.0053
P2-10-3.0	P2-10	Farallon	10/10/2015	3	< 0.0028	< 0.0028	< 0.0028	< 0.0028	< 0.0028
P2-10-5.0	P2-10	Farallon	10/10/2015	5	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082
P2-10-7.5	P2-10	Farallon	10/10/2015	7.5	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016
P2-11-1.0	P2-11	Farallon	10/10/2015	1	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013
P2-11-3.0	P2-11	Farallon	10/10/2015	3	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
P2-11-5.0	P2-11	Farallon	10/10/2015	5	< 0.00088	< 0.00088	< 0.00088	< 0.00088	< 0.00088
P2-11-7.5	P2-11	Farallon	10/10/2015	7.5	< 0.00094	< 0.00094	< 0.00094	< 0.00094	< 0.00094
Preliminary Cleanup Levels for Soil					0.08³/0.44⁴	0.03³/0.057⁴	160⁵	0.59³/62⁴	0.002³/0.010⁴

Table 1
Summary of Plant 2 Soil Analytical Results
Remedial Investigation
Capital Industries, Inc.
Seattle, Washington
Farallon PN: 457-007

Sample Identification	Sample Location	Sampled By	Sample Date	Sample Depth (feet) ¹	Analytical Results (milligrams per kilogram) ²				
					PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
P2-12-1.0	P2-12	Farallon	10/10/2015	1	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
P2-12-3.0	P2-12	Farallon	10/10/2015	3	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013
P2-12-5.0	P2-12	Farallon	10/10/2015	5	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
P2-12-8.5	P2-12	Farallon	10/10/2015	8.5	< 0.00093	< 0.00093	< 0.00093	< 0.00093	< 0.00093
P2-13-1.0	P2-13	Farallon	10/10/2015	1	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
P2-13-3.0	P2-13	Farallon	10/10/2015	3	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
P2-13-5.0	P2-13	Farallon	10/10/2015	5	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
P2-13-8.0	P2-13	Farallon	10/10/2015	8	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013
P2-14-1.0	P2-14	Farallon	10/10/2015	1	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
P2-14-3.0	P2-14	Farallon	10/10/2015	3	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
P2-14-5.0	P2-14	Farallon	10/10/2015	5	< 0.00098	< 0.00098	< 0.00098	< 0.00098	< 0.00098
P2-14-8.0	P2-14	Farallon	10/10/2015	8	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
P2-15-1.0	P2-15	Farallon	10/11/2015	1	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022
P2-15-3.0	P2-15	Farallon	10/11/2015	3	< 0.00092	< 0.00092	< 0.00092	< 0.00092	< 0.00092
P2-15-5.0	P2-15	Farallon	10/11/2015	5	< 0.00096	< 0.00096	< 0.00096	< 0.00096	< 0.00096
P2-15-8.0	P2-15	Farallon	10/11/2015	8	< 0.00094	< 0.00094	< 0.00094	< 0.00094	< 0.00094
P2-16-1.0	P2-16	Farallon	10/11/2015	1	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
P2-16-3.0	P2-16	Farallon	10/11/2015	3	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
P2-16-5.0	P2-16	Farallon	10/11/2015	5	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
P2-16-7.5	P2-16	Farallon	10/11/2015	7.5	< 0.00093	< 0.00093	< 0.00093	< 0.00093	< 0.00093
Preliminary Cleanup Levels for Soil					0.08³/0.44⁴	0.03³/0.057⁴	160⁵	0.59³/62⁴	0.002³/0.010⁴

Table 1
Summary of Plant 2 Soil Analytical Results
Remedial Investigation
Capital Industries, Inc.
Seattle, Washington
Farallon PN: 457-007

Sample Identification	Sample Location	Sampled By	Sample Date	Sample Depth (feet)¹	Analytical Results (milligrams per kilogram)²				
					PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
P2-17-1.0	P2-17	Farallon	10/11/2015	1	< 0.00097	< 0.00097	< 0.00097	< 0.00097	< 0.00097
P2-17-3.0	P2-17	Farallon	10/11/2015	3	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
P2-17-5.0	P2-17	Farallon	10/11/2015	5	< 0.00092	< 0.00092	< 0.00092	< 0.00092	< 0.00092
P2-17-7.5	P2-17	Farallon	10/11/2015	7.5	< 0.00090	< 0.00090	< 0.00090	< 0.00090	< 0.00090
Preliminary Cleanup Levels for Soil					0.08³/0.44⁴	0.03³/0.057⁴	160⁵	0.59³/62⁴	0.002³/0.010⁴

NOTES:

Results in **bold** denote reporting limits that exceed the most conservative preliminary cleanup level.

< denotes analyte not detected at or exceeding the reporting limit listed.

¹Depth in feet below ground surface.

²Analyzed by U.S. Environmental Protection Agency Method 8260B.

³Soil cleanup levels for protection of air quality. These are preliminary values only. Values calculated using Model Toxics Control Act (MTCA) Equation 747-1 where the potable Method B groundwater cleanup level was used as C_w. Concentrations of hazardous substances in soil that meet the potable groundwater protection standard currently are considered sufficiently protective of the air pathway for unrestricted and industrial land uses.

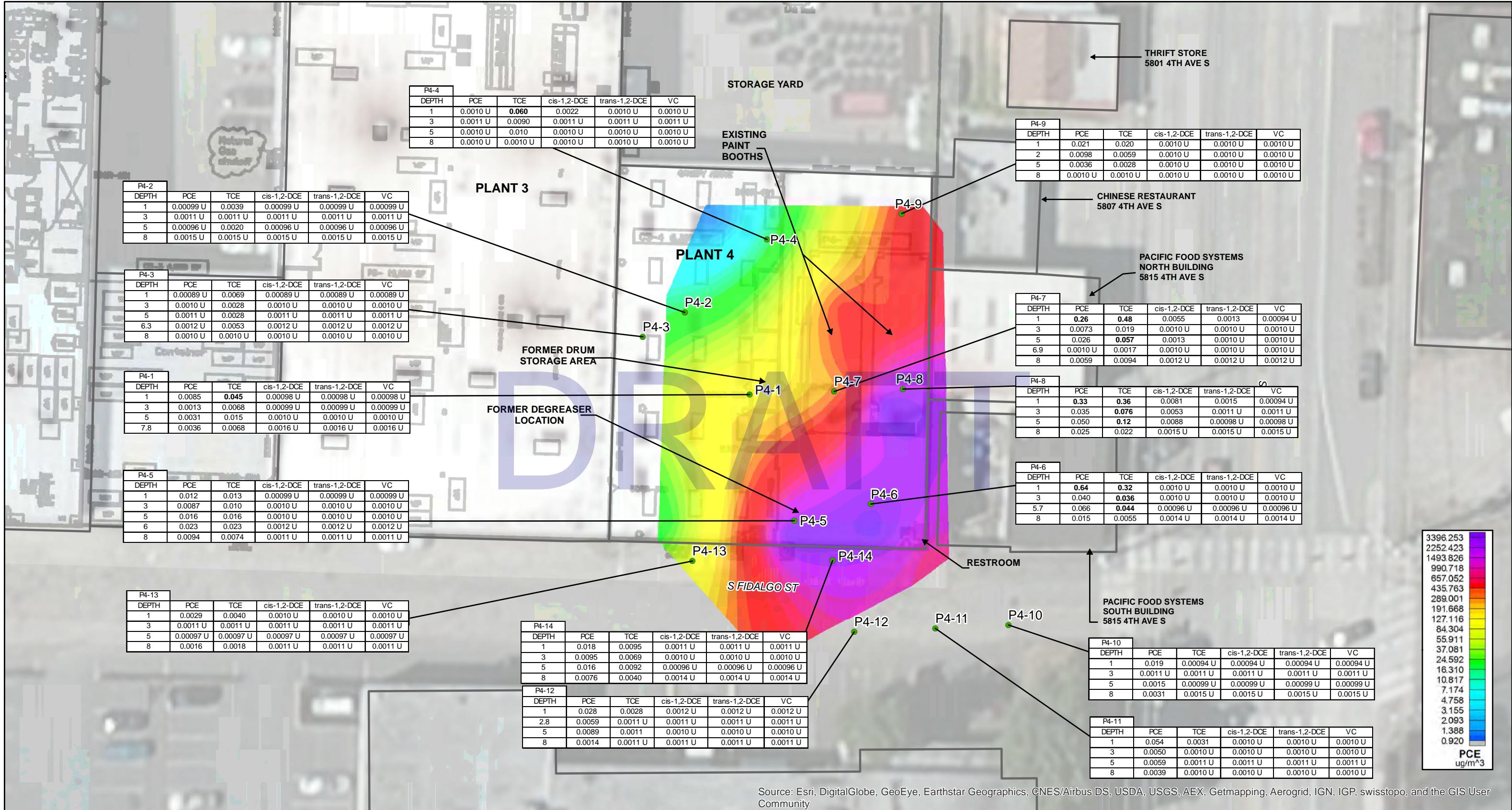
⁴Soil cleanup levels for protection of surface water quality. These are preliminary values only. Values are calculated using MTCA Equation 747-1 where the groundwater cleanup level protective of surface water in this table was used as C_w.

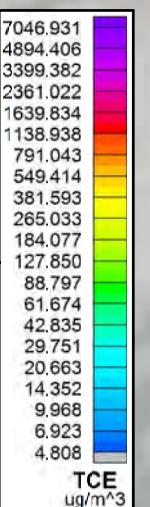
⁵Cleanup level is based on standard MTCA Method B (unrestricted land use) values from the Cleanup and Risk Calculation (CLARC) tables <https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx>

Farallon = Farallon Consulting, L.L.C.

PCE = tetrachloroethene

TCE = trichloroethene





Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

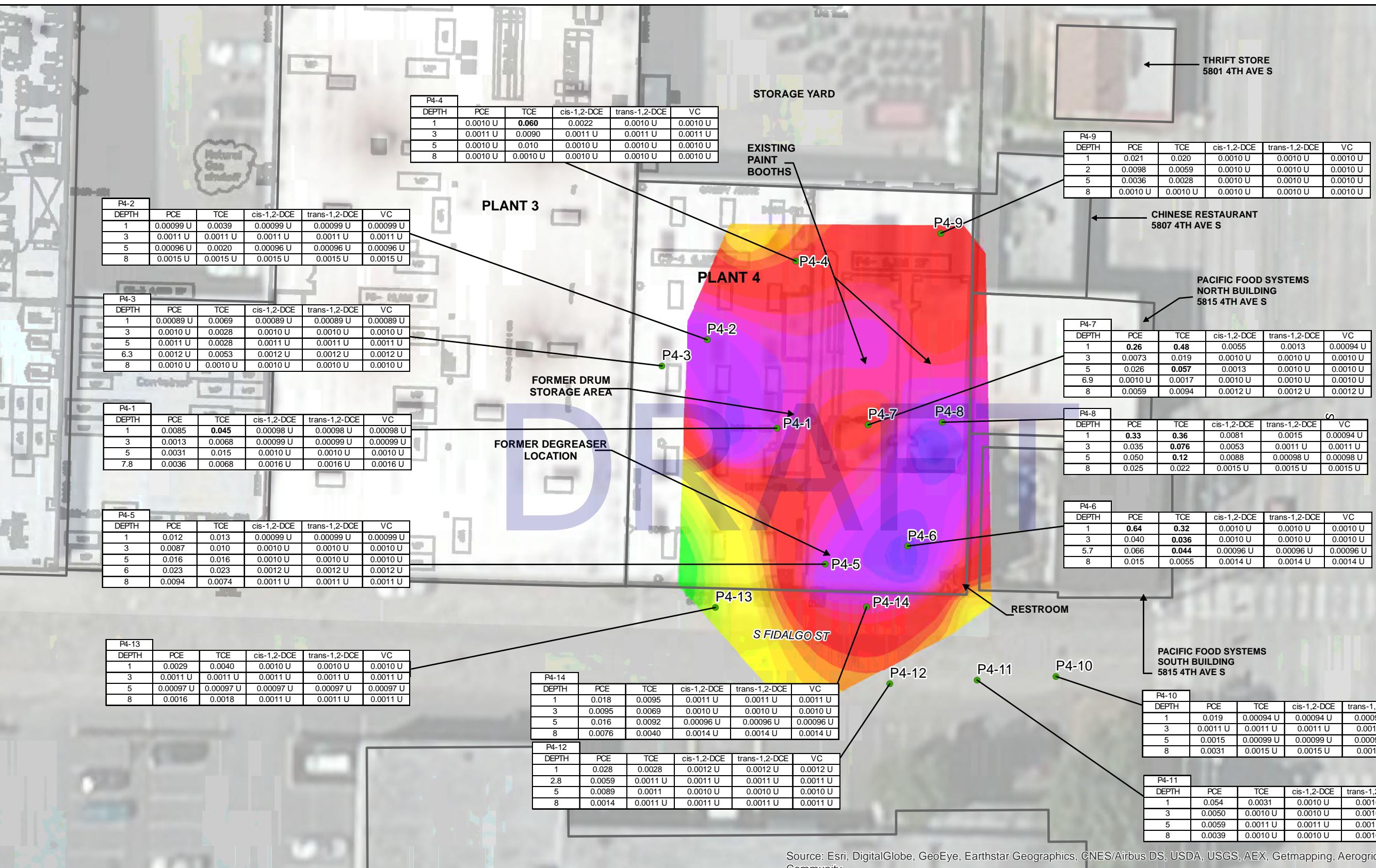
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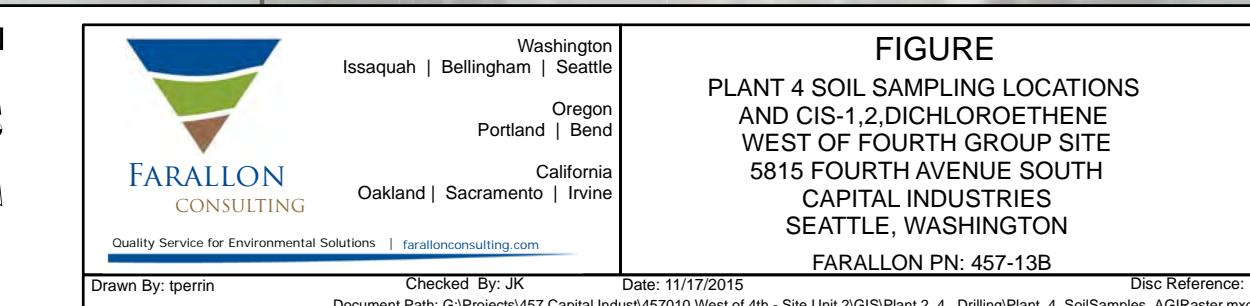
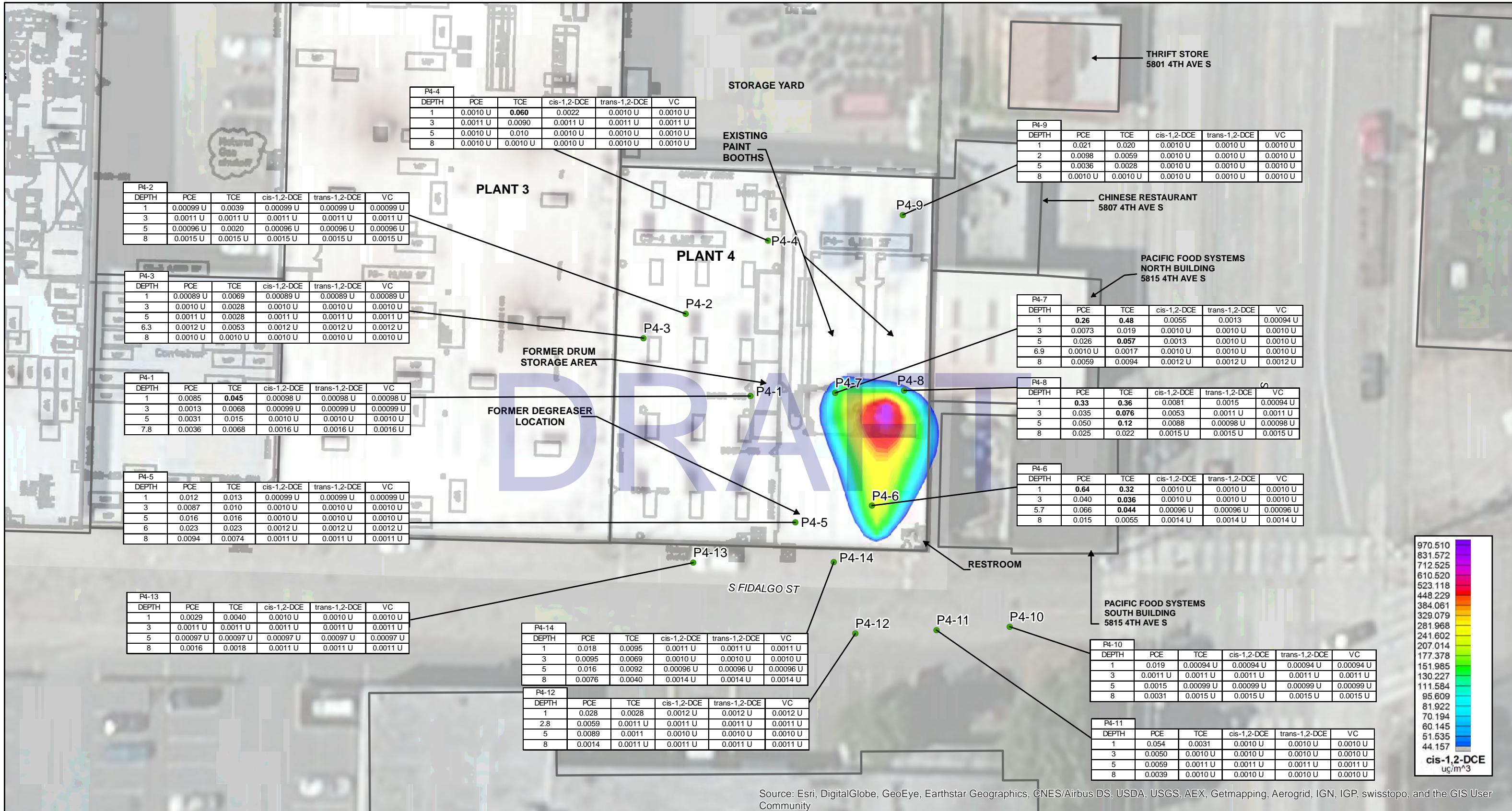
0 30
Scale in Feet

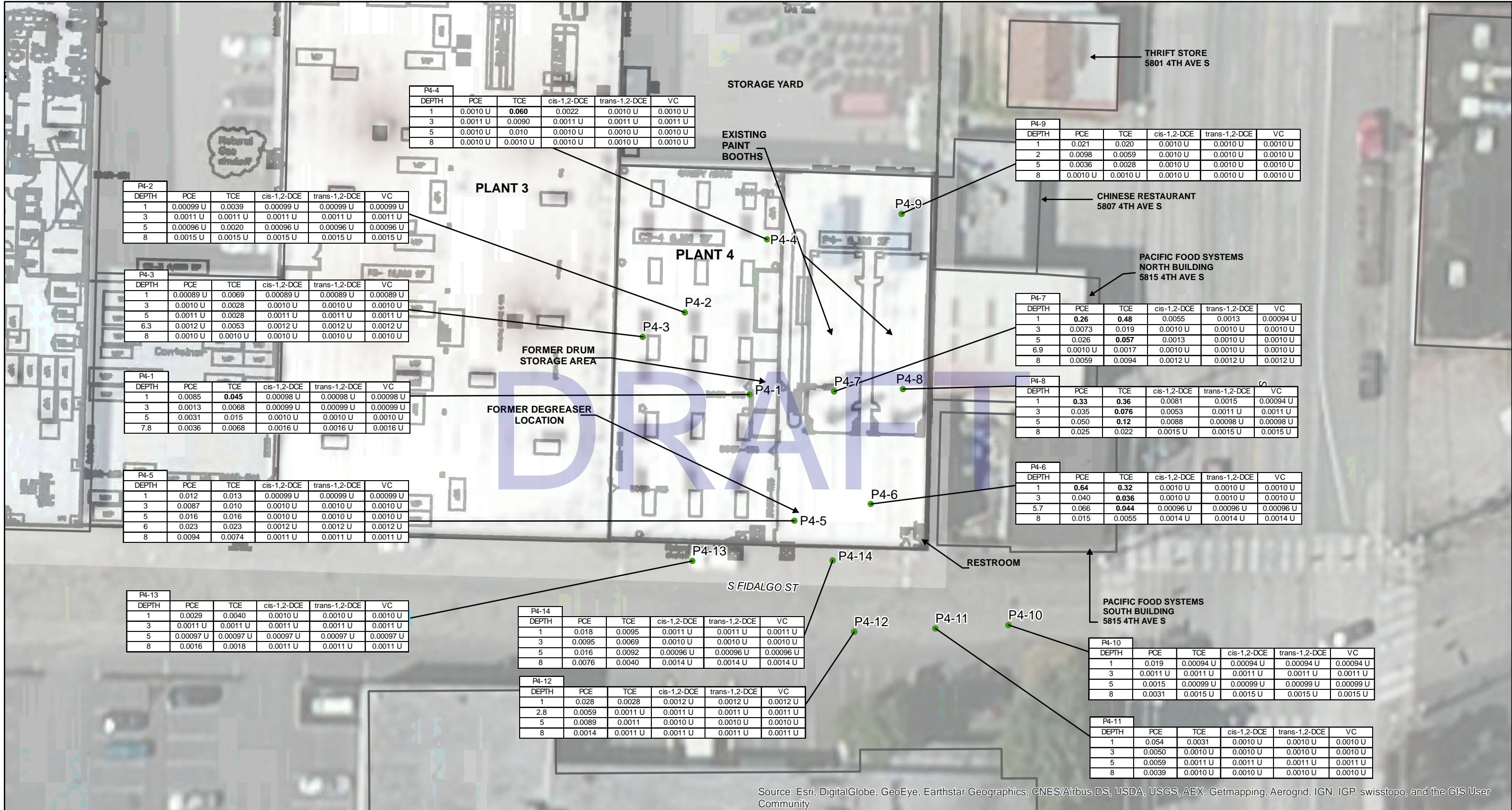


FIGURE
PLANT 4 SOIL SAMPLING LOCATIONS AND TRICHLOROETHENE WEST OF FOURTH GROUP SITE
5815 FOURTH AVENUE SOUTH CAPITAL INDUSTRIES SEATTLE, WASHINGTON
FARALLON PN: 457-13B

Drawn By: tperrin Checked By: JK Date: 11/17/2015
Document Path: G:\Projects\457 Capital Indust\457010 West of 4th - Site Unit 2\GIS\Plant 2_4_Drilling\Plant_4_SoilSamples_AGRaster.mxd Disc Reference:







N

0 30
Scale in Feet

**FIGURE**

PLANT 4 SOIL SAMPLING LOCATIONS
WEST OF FOURTH GROUP SITE
5815 FOURTH AVENUE SOUTH
CAPITAL INDUSTRIES
SEATTLE, WASHINGTON
FARALLON PN: 457-13B

Drawn By: tperrin Checked By: JK Date: 11/17/2015
Document Path: G:\Projects\457 Capital Indus\457010 West of 4th - Site Unit 2\GIS\Plant_2_4_SoilSamples.mxd Disc Reference:

Table 2
Summary of Plant 4 Soil Analytical Results
Remedial Investigation
Capital Industries, Inc.
Seattle, Washington
Farallon PN: 457-007

Sample Identification	Sample Location	Sampled By	Sample Date	Sample Depth (feet) ¹	Analytical Results (milligrams per kilogram) ²				
					PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
P4-B1-1.0	P4-1	Farallon	10/17/2015	1	0.0085	0.045	< 0.00098	< 0.00098	< 0.00098
P4-B1-3.0	P4-1	Farallon	10/17/2015	3	0.0013	0.0068	< 0.00099	< 0.00099	< 0.00099
P4-B1-5.0	P4-1	Farallon	10/17/2015	5	0.0031	0.015	< 0.0010	< 0.0010	< 0.0010
P4-B1-7.8	P4-1	Farallon	10/17/2015	7.8	0.0036	0.0068	< 0.0016	< 0.0016	< 0.0016
P4-B2-1.0	P4-2	Farallon	10/17/2015	1	< 0.00099	0.0039	< 0.00099	< 0.00099	< 0.00099
P4-B2-3.0	P4-2	Farallon	10/17/2015	3	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
P4-B2-5.0	P4-2	Farallon	10/17/2015	5	< 0.00096	0.0020	< 0.00096	< 0.00096	< 0.00096
P4-B2-8.0	P4-2	Farallon	10/17/2015	8	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015
P4-B3-1.0	P4-3	Farallon	10/17/2015	1	< 0.00089	0.0069	< 0.00089	< 0.00089	< 0.00089
P4-B3-3.0	P4-3	Farallon	10/17/2015	3	< 0.0010	0.0028	< 0.0010	< 0.0010	< 0.0010
P4-B3-5.0	P4-3	Farallon	10/17/2015	5	< 0.0011	0.0028	< 0.0011	< 0.0011	< 0.0011
P4-B3-6.3	P4-3	Farallon	10/17/2015	6.3	< 0.0012	0.0053	< 0.0012	< 0.0012	< 0.0012
P4-B3-8.0	P4-3	Farallon	10/17/2015	8	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
P4-B4-1.0	P4-4	Farallon	10/17/2015	1	< 0.0010	0.060	0.0022	< 0.0010	< 0.0010
P4-B4-3.0	P4-4	Farallon	10/17/2015	3	< 0.0011	0.0090	< 0.0011	< 0.0011	< 0.0011
P4-B4-5.0	P4-4	Farallon	10/17/2015	5	< 0.0010	0.010	< 0.0010	< 0.0010	< 0.0010
P4-B4-8.0	P4-4	Farallon	10/17/2015	8	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
P4-B5-1.0	P4-5	Farallon	10/17/2015	1	0.012	0.013	< 0.00099	< 0.00099	< 0.00099
P4-B5-3.0	P4-5	Farallon	10/17/2015	3	0.0087	0.010	< 0.0010	< 0.0010	< 0.0010
P4-B5-5.0	P4-5	Farallon	10/17/2015	5	0.016	0.016	< 0.0010	< 0.0010	< 0.0010
P4-B5-6.0	P4-5	Farallon	10/17/2015	6	0.023	0.023	< 0.0012	< 0.0012	< 0.0012
P4-B5-8.0	P4-5	Farallon	10/17/2015	8	0.0094	0.0074	< 0.0011	< 0.0011	< 0.0011
Preliminary Cleanup Levels for Soil					0.08³/0.44⁴	0.03³/0.057⁴	160⁵	0.59³/62⁴	0.002³/0.010⁴

Table 2
Summary of Plant 4 Soil Analytical Results
Remedial Investigation
Capital Industries, Inc.
Seattle, Washington
Farallon PN: 457-007

Sample Identification	Sample Location	Sampled By	Sample Date	Sample Depth (feet) ¹	Analytical Results (milligrams per kilogram) ²				
					PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
P4-B6-1.0	P4-6	Farallon	10/17/2015	1	0.64	0.32	< 0.0010	< 0.0010	< 0.0010
P4-B6-3.0	P4-6	Farallon	10/17/2015	3	0.040	0.036	< 0.0010	< 0.0010	< 0.0010
P4-B6-5.7	P4-6	Farallon	10/17/2015	5.7	0.066	0.044	< 0.00096	< 0.00096	< 0.00096
P4-B6-8.0	P4-6	Farallon	10/17/2015	8	0.015	0.0055	< 0.0014	< 0.0014	< 0.0014
P4-B7-1.0	P4-7	Farallon	10/17/2015	1	0.26	0.48	0.0055	0.0013	< 0.00094
P4-B7-3.0	P4-7	Farallon	10/17/2015	3	0.0073	0.019	< 0.0010	< 0.0010	< 0.0010
P4-B7-5.0	P4-7	Farallon	10/17/2015	5	0.026	0.057	0.0013	< 0.0010	< 0.0010
P4-B7-6.9	P4-7	Farallon	10/17/2015	6.9	< 0.0010	0.0017	< 0.0010	< 0.0010	< 0.0010
P4-B7-8.0	P4-7	Farallon	10/17/2015	8	0.0059	0.0094	< 0.0012	< 0.0012	< 0.0012
P4-B8-1.0	P4-8	Farallon	10/17/2015	1	0.33	0.36	0.0081	0.0015	< 0.00094
P4-B8-3.0	P4-8	Farallon	10/17/2015	3	0.035	0.076	0.0053	< 0.0011	< 0.0011
P4-B8-5.0	P4-8	Farallon	10/17/2015	5	0.050	0.12	0.0088	< 0.00098	< 0.00098
P4-B8-8.0	P4-8	Farallon	10/17/2015	8	0.025	0.022	< 0.0015	< 0.0015	< 0.0015
P4-B9-1.0	P4-9	Farallon	10/17/2015	1	0.021	0.020	< 0.0010	< 0.0010	< 0.0010
P4-B9-2.0	P4-9	Farallon	10/17/2015	2	0.0098	0.0059	< 0.0010	< 0.0010	< 0.0010
P4-B9-5.0	P4-9	Farallon	10/17/2015	5	0.0036	0.0028	< 0.0010	< 0.0010	< 0.0010
P4-B9-8.0	P4-9	Farallon	10/17/2015	8	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
P4-B10-1.0	P4-10	Farallon	10/17/2015	1	0.019	< 0.00094	< 0.00094	< 0.00094	< 0.00094
P4-B10-3.0	P4-10	Farallon	10/17/2015	3	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
P4-B10-5.0	P4-10	Farallon	10/17/2015	5	0.0015	< 0.00099	< 0.00099	< 0.00099	< 0.00099
P4-B10-8.0	P4-10	Farallon	10/17/2015	8	0.0031	< 0.0015	< 0.0015	< 0.0015	< 0.0015
Preliminary Cleanup Levels for Soil					0.08³/0.44⁴	0.03³/0.057⁴	160⁵	0.59³/62⁴	0.002³/0.010⁴

Table 2
Summary of Plant 4 Soil Analytical Results
Remedial Investigation
Capital Industries, Inc.
Seattle, Washington
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Sample Identification	Sample Location	Sampled By	Sample Date	Sample Depth (feet) ¹	Analytical Results (milligrams per kilogram) ²				
					PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
P4-B11-1.0	P4-11	Farallon	10/17/2015	1	0.054	0.0031	< 0.0010	< 0.0010	< 0.0010
P4-B11-3.0	P4-11	Farallon	10/17/2015	3	0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0010
P4-B11-5.0	P4-11	Farallon	10/17/2015	5	0.0059	< 0.0011	< 0.0011	< 0.0011	< 0.0011
P4-B11-8.0	P4-11	Farallon	10/17/2015	8	0.0039	< 0.0010	< 0.0010	< 0.0010	< 0.0010
P4-B12-1.0	P4-12	Farallon	10/17/2015	1	0.028	0.0028	< 0.0012	< 0.0012	< 0.0012
P4-B12-2.8	P4-12	Farallon	10/17/2015	2.8	0.0059	< 0.0011	< 0.0011	< 0.0011	< 0.0011
P4-B12-5.0	P4-12	Farallon	10/17/2015	5	0.0089	0.0011	< 0.0010	< 0.0010	< 0.0010
P4-B12-8.0	P4-12	Farallon	10/17/2015	8	0.0014	< 0.0011	< 0.0011	< 0.0011	< 0.0011
P4-B13-1.0	P4-13	Farallon	10/17/2015	1	0.0029	0.0040	< 0.0010	< 0.0010	< 0.0010
P4-B13-3.0	P4-13	Farallon	10/17/2015	3	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
P4-B13-5.0	P4-13	Farallon	10/17/2015	5	< 0.00097	< 0.00097	< 0.00097	< 0.00097	< 0.00097
P4-B13-8.0	P4-13	Farallon	10/17/2015	8	0.0016	0.0018	< 0.0011	< 0.0011	< 0.0011
P4-B14-1.0	P4-14	Farallon	10/17/2015	1	0.018	0.0095	< 0.0011	< 0.0011	< 0.0011
P4-B14-3.0	P4-14	Farallon	10/17/2015	3	0.0095	0.0069	< 0.0010	< 0.0010	< 0.0010
P4-B14-5.0	P4-14	Farallon	10/17/2015	5	0.016	0.0092	< 0.00096	< 0.00096	< 0.00096
P4-B14-8.0	P4-14	Farallon	10/17/2015	8	0.0076	0.0040	< 0.0014	< 0.0014	< 0.0014
Preliminary Cleanup Levels for Soil					0.08³/0.44⁴	0.03³/0.057⁴	160⁵	0.59³/62⁴	0.002³/0.010⁴

NOTES:

Results in **bold** denote reporting limits that exceed the most conservative preliminary cleanup level.

< denotes analyte not detected at or exceeding the reporting limit listed.

¹Depth in feet below ground surface.

²Analyzed by U.S. Environmental Protection Agency Method 8260B.

Farallon = Farallon Consulting, L.L.C.

PCE = tetrachloroethene

TCE = trichloroethene