



# SITE HAZARD ASSESSMENT

## Worksheet 1: Summary Score Sheet

**SITE NAME: Seattle DOT Mercer Parcels**

**Rank: 2**

Cleanup Site ID: 14784

Completed on 8/16/2021 for inclusion

Facility/Site ID: 27913

on the August 2021 Hazardous Sites List.

### LOCATION OF SITE

800 Mercer St

Township 25N, Range 4E, Section 30

Seattle, King County, WA 98109

Latitude, Longitude: 47.62507, -122.34110

Tax Parcel ID: 224900-0006, 224900-0055

### SITE DESCRIPTION

#### Within Currently Defined Site Boundaries

Based on currently available information, the Seattle DOT Mercer Parcels site (Site) is contained by the two parcels listed above. The 2.35 acre property is on the southwest corner of the intersection of Roy Street and 9th Avenue North (Figure 1-1). It is zoned for mixed use (Seattle Mixed South Lake Union 175/85-280) and is currently vacant. There are two temporary sediment ponds for stormwater collection on the eastern half of the property. Photos of the property are provided at the end of this report.

The City of Seattle provides water, sewer, and stormwater services. A remedial investigation (RI) and feasibility study (FS) are currently being conducted in preparation for redevelopment under a prospective purchaser consent decree.

Soil and groundwater in the northwest area of the property are impacted with petroleum, likely related to operations of a former gasoline service station (Figure 3-1). These releases constitute the Site evaluated in this site hazard assessment (SHA).

Limited areas of shallow soil on the property are impacted with polycyclic aromatic hydrocarbons (PAHs) and arsenic from fill material along a historical road right-of-way from the southwest corner to the northeast corner. One sample with a lead concentration above the cleanup level appears to be an anomalous hot spot within the fill material. The contaminated fill material is distinct from the petroleum contamination due to the historical gas station and it constitutes a separate site called Broad Street Alignment Contaminated Fill (CSID 15446), which is not evaluated in this SHA.

Releases of chlorinated solvents (tetrachloroethene and degradation products) at the Maryatt Industries/American Linen site to the north have traveled in deep groundwater under the Site in a plume that is distinct from, and unrelated to, the releases at the Site (Figure 7-11). The chlorinated solvents are being evaluated in relation to the Maryatt Industries/American Linen site (CSID 12004) and are not evaluated in this SHA.

A variety of commercial businesses operated on the property between 1917 and 2019, some of which are summarized below. However, the only contamination detected on the property is that summarized in the paragraphs above. For additional details, see Hart Crowser (2021).

## SITE HAZARD ASSESSMENT

### Worksheet 1: Summary Score Sheet

#### Historical Owners and Operators

<u>From</u>	<u>To</u>	<u>Owner/Operator</u>	<u>Site Uses</u>
Late 1800s	1950s	Unknown	Residences, possibly with heating oil tanks
1925	1940	Riebe Chemical Works, Riebe Continental Chemical Co., Riebe Soap & Chemical Wks.	Soap manufacturing
1925	1996	Multiple	Sign and painting businesses
1929	1960	Unknown	Gasoline service station
1930	1955	Newton Auto Wrecking, Shucks Auto Wrecking	Auto wrecking businesses
1940	1940	West Coast Junk Company	Junk yard
2014	2019	Shimmick Construction	Construction staging
2019	Present	Seattle Department of Transportation	Vacant

#### Area Surrounding the Site

The property is bounded to the north by Roy Street and across that an office building under construction, an existing office building, and a restaurant; to the east by 9th Avenue North and across that an office building; to the south by Mercer Street and across that a medical/dental office and an office building; and to the west by Dexter Avenue North and across that warehouses and parking lots.

The property is surrounded by five sites listed on Ecology's Confirmed and Suspected Contaminated Sites List (Figure 3-1). To the north are the Maryatt Industries/American Linen Supply (Cleanup Site IDs [CSIDs] 3167 and 12004), which are essentially one combined site, and the Seattle Roy Aloha Shops site (CSID 11216). Cleanup is ongoing and redevelopment has begun at the Maryatt Industries/American Linen site. Cleanup has begun but is not complete at Seattle Roy Aloha Shops. To the east is the AIBS Building Block 43 site (CSID 12637); cleanup has begun but is not complete. To the west are the 601 Dexter site (CSID 15113) and the Seattle DOT Dexter Parcel (CSID 14785). Remedial investigations and feasibility studies are being conducted at both sites.

The nearest surface water body is Lake Union, located 880 feet northeast of the property. A 0.55-acre grassy, undeveloped area with no parcel number and no ownership information is located 240 feet southwest of the property. During the site visit on August 11, 2021, the area was a tent encampment with tents erected side by side, almost completely covering the ground surface.

## **SITE CHARACTERIZATION AND/OR REMEDIATION**

The property was included in ten different investigations before the RI/FS in process at the time of the SHA. The historical investigations included two Phase II Environmental Assessments and two RIs. The information in this section is taken from the most recent RI (Hart Crowser 2021). For additional details, see the 2021 RI.

During a 1997 Phase II Environmental Site Assessment, three soil samples and two groundwater samples were collected from the southcentral area of the property and adjacent to the property to the north and west and were analyzed for petroleum and chlorinated solvents. During a 2012 investigation, soil samples were collected from three borings adjacent to the property to the west and analyzed for lead. During a 2012-2013 investigation for

## SITE HAZARD ASSESSMENT

### Worksheet 1: Summary Score Sheet

the American Linen site six monitoring wells were installed on or adjacent to the Mercer Parcels property; soil and groundwater samples were analyzed for petroleum and chlorinated solvents. Groundwater samples were collected from a monitoring well on the northeast side of the property between 2014 and 2020 and analyzed for gasoline range organics (GRO) and chlorinated solvents. During a 2017 limited Phase II Environmental Site Assessment, 15 soil and four grab groundwater samples collected on the property were analyzed for petroleum, metals, volatile organic compounds (VOCs), and polycyclic aromatic hydrocarbons (PAHs). During an investigation conducted for the American Linen site between 2017 and 2019, soil and groundwater samples were collected from 12 locations on or adjacent to the property and analyzed for VOCs. During the 2021 RI, 343 soil samples collected throughout the property were analyzed for petroleum, VOCs, metals, PCBs, and semi-volatile organic compounds (SVOCs) including PAHs. Groundwater samples collected from 36 monitoring wells throughout the property were analyzed for the same analyte list.

Soil on the property consists of fill, glacial deposits, and non-glacial deposits. The fill comprises sand with silt, gravel, and cobbles and brick, concrete, and glass debris. In most areas the fill is 12 to 18 feet deep, but it ranges up to 31 feet in some areas. In areas without fill, silt and/or clay with or without sand are present to a depth of 27 feet below ground surface (bgs). Below that is a layer of silty sand and silty gravel with varying degrees of gravel and cobbles to a depth of 73 feet bgs.

The hydrogeology at the site is described as four water-bearing zones (WBZs). The Shallow WBZ is discontinuous and unconfined in fill, lacustrine deposits, and glacial deposits. The intermediate WBZ is divided into two depth intervals called Intermediate A (upper, coarser zone) and Intermediate B (deeper, finer zone). The Deep WBZ consists of materials similar to the intermediate zones. Groundwater generally flows eastward across the property in all four WBZs. The depth to the Shallow WBZ is 25 feet. Water levels in the Intermediate and Deep WBZs have been influenced at times by temporary construction dewatering at nearby properties, but water levels in the Shallow WBZ have not been affected.

The chemicals of concern for soil are GRO and lead, both of which are attributed to operations at a former gasoline service station. GRO exceeds its MTCA Method A soil cleanup level in the northwest corner of the property between 5 and 25 feet bgs at concentrations up to 1,200 mg/kg (Figure 7-7).

The chemicals of concern for groundwater in the Shallow WBZ are GRO, diesel range organics (DRO), and benzene. These chemicals exceed their cleanup levels in the northwest corner of the property at concentrations up to 650 ug/L DRO, 1,600 ug/L GRO, and 34 ug/L benzene. They are also attributed to former gasoline service station operations.

### ADDITIONAL INFORMATION COLLECTED BY THE SITE HAZARD ASSESSOR

Ecology performed a drive-by site visit for the purposes of the Site Hazard Assessment on August 11, 2021. Conditions were similar to those described in site reports. Ecology is also overseeing the preparation of the remedial investigation and feasibility study, including site visits in December 2019 and February 2021.

### SPECIAL CONSIDERATIONS

Checked boxes indicate routes applicable for Washington Ranking Method (WARM) scoring

**Surface Water**

Not evaluated because of subsurface releases.

**Air**

Volatile chemicals in ground water could be a source of vapor intrusion.

**Groundwater**

Contaminants detected in ground water.



## SITE HAZARD ASSESSMENT Worksheet 1: Summary Score Sheet

Lead is a chemical of concern for soil, but it was not evaluated in the SHA because it has not impacted groundwater. Benzene was not evaluated separately because the scores for GRO are based on benzene. The scores for DRO are based on naphthalene.

### ROUTE SCORES

Surface Water/ Human Health:

Surface Water/ Environment:

Air/ Human Health: 48.1

Air/ Environment: 1.6

Groundwater/ Human Health: 35.4

**Overall Rank: 2**



## SITE HAZARD ASSESSMENT

### Worksheet 1: Summary Score Sheet

#### REFERENCES

- 1 Ecology's What's in my Neighborhood? Accessed July 2021.  
<https://apps.ecology.wa.gov/neighborhood/>
- 2 ESRI Global Annual Evapotranspiration. Accessed July 2021.  
<https://www.arcgis.com/home/webmap/viewer.html?layers=ad3f8cc18fc74e6894ee220acd15020a>.
- 3 Hart Crowser. 2021. Remedial Investigation, Seattle DOT Mercer Parcels, 800 Mercer Street, Seattle, Washington. June 25.
- 4 King County iMap. Accessed July 2021. <https://gismaps.kingcounty.gov/imap/>
- 5 Missouri Census Data Center. Accessed July 2021.  
<https://mcdc.missouri.edu/applications/caps2010.html>.
- 6 NOAA NCEI Climate Data Online. Accessed July 2021. <https://www.ncdc.noaa.gov/cdo-web/>.
- 7 Washington Ranking Method (WARM) Toxicity Database. Available from Priscilla Tomlinson, Washington State Department of Ecology, Northwest Regional Office.
- 8 Washington State Department of Ecology. 2007. Washington Ranking Method (WARM) Scoring Manual. <https://apps.ecology.wa.gov/publications/documents/90014.pdf>.
- 9 WDOH Office of Drinking Water - Find Water Systems. Accessed July 2021.  
<https://fortress.wa.gov/doh/eh/portal/odw/si/Disclaimer.aspx?Page=FindWaterSystem.aspx>

## SITE HAZARD ASSESSMENT

### Worksheet 2: Route Documentation

**SITE NAME:** Seattle DOT Mercer Parcels

Cleanup Site ID: 14784

Facility/Site ID: 27913

#### 1. SURFACE WATER ROUTE

**List those substances to be considered for scoring:**

None

**Explain the basis for choice of substances to be used in scoring:**

**List those management units to be considered for scoring:**

**Explain basis for choice of unit to be used in scoring:**

#### 2. AIR ROUTE

**List those substances to be considered for scoring:**

GRO  
DRO

**Explain the basis for choice of substances to be used in scoring:**

Detected in soil

**List those management units to be considered for scoring:**

Soil

**Explain basis for choice of unit to be used in scoring:**

Contaminated soil is shallower than contaminated groundwater

#### 3. GROUNDWATER ROUTE

**List those substances to be considered for scoring:**

GRO  
DRO

**Explain the basis for choice of substances to be used in scoring:**

Detected in groundwater

**List those management units to be considered for scoring:**

Groundwater

**Explain basis for choice of unit to be used in scoring:**

Data available for groundwater

# Worksheet 4

## Surface Water Route

CSID: 14784

Site: Seattle DOT Mercer Parcels

Not scored.

# Worksheet 5

## Air Route

CSID: 14784

Site: Seattle DOT Mercer Parcels

### 1.0 SUBSTANCE CHARACTERISTICS

#### 1.1 Introduction

No scoring in Section 1.1.

#### 1.2 Human Toxicity

Substance	Amb. Air Stnd.		Acute Toxicity		Chronic Toxicity		Carcinogenicity	
	Value (ug/m <sup>3</sup> )	Score	Value (mg/m <sup>3</sup> )	Score	Value (mg/kg/day)	Score	Adj. CPF <sub>I</sub> (risk/mg/kg-day)	Score
GRO	0.0345	10	31947	3	8.57E-03	8	2.73E-02	5
DRO	0.0294	10	--	X	8.57E-04	10	5.95E-02	5

Maximum score:	10		
Bonus points:	2		Human Toxicity Score: 12
Source:	WARM Toxicity Database		Range: 1-12

#### 1.3 Mobility

##### Gaseous Mobility

Substance	Vapor Pressure		Henry's Law	
	Value (mm Hg)	Score	Value (atm- m <sup>3</sup> /mol)	Score
GRO	9.50E+01	4	5.56E-03	4
DRO	8.20E-02	3	4.83E-04	3

Maximum score:	4
Source:	WARM Toxicity Database

##### Particulate Mobility

Soil type: Not scored; surface covered by pavement

Erodibility factor:

Climatic factor:

Mobility value:

Source:

Mobility Score: 4  
Range: 0-4

#### 1.4 Human Toxicity/Mobility

Source: WARM Scoring Manual

Human Tox/Mobil Score: 24

Range: 1-24

#### 1.5 Environmental Toxicity/Mobility

Substance	Acute	
	Value (mg/m <sup>3</sup> )	Score
Gasoline (benzene)	3.19E+04	3
Diesel (naphth.)	--	X

Maximum score

3

Environmental Toxicity Score: 3

Source:

WARM Toxicity Database

Range: 1-10

Environmental Tox/Mobil Score: 6

Range: 1-24

#### 1.6 Substance Quantity

Quantity: 800 cu yd

Basis: Soil in 100x70 foot area, 3 feet thick

Source: RI Figure 7-5a

Substance Quantity Score: 7

Range: 1-10

#### 2.1 Containment

Description: Cover > 2 ft thick; no vapor collection system

Basis: RI

Containment Score: 5

Range: 0-10

### SUBSTANCE PARAMETER CALCULATIONS

#### Human Health Pathway

SUBh (Human Tox/Mobil + 5) x (Containment +1) + Substance Quantity

181.0

#### Environmental Pathway

SUBe (Environ. Tox/Mobil + 5) x (Containment +1) + Substance Quantity

73.0

### 3.0 TARGETS

#### 3.1 Nearest Population

Description: Tent encampment to southwest

Distance (ft): 230

Source: King County iMap

Nearest Population Score: 10

Range: 0-10

### 3.2 Nearest Sensitive Environment

Description: Lake Union  
Distance (ft): 880  
Source: King County iMap

Nearest Sensitive Environment Score: 7  
Range: 0-7

### 3.3 Population within One-Half Mile

Number: 6,053  
Source: Missouri Census Data Center

Population within Half Mile Score: 75.0  
Range: 0-75

## TARGET PARAMETER CALCULATIONS

Human Health Pathway

$TAR_h = \text{Nearest Population} + \text{Population within Half Mile}$

85.0

Environmental Pathway

$TAR_e = \text{Nearest Sensitive Environment}$

7.0

## 4.0 RELEASE

Evid. of release? No; no visual evidence and no air sampling  
Source: RI

Release Score (REL): 0.0  
Range: 0 or 5

## AIR ROUTE CALCULATIONS

Human Health Pathway

$AIR_h = (SUB_h \times 60/329) \times \{REL + (TAR_h \times 35/85)\} / 24$

48.1

Environmental Pathway

$AIR_e = (SUB_e \times 60/329) \times \{REL + (TAR_e \times 35/85)\} / 24$

1.6

Range: 0-100

# Worksheet 6

## Groundwater Route

CSID: 14784

Site: Seattle DOT Mercer Parcels

### 1.0 SUBSTANCE CHARACTERISTICS

#### 1.1 Human toxicity

Substance	Drink. Wat. Stnd		Acute Toxicity		Chronic Toxicity		Carcinogenicity	
	Value (ug/L)	Score	Value (mg/kg)	Score	Value (mg/kg/day)	Score	Adj. CPFo (risk/mg/kg-day)	Score
GRO	5	8	3,306	3	4.00E-03	3	5.50E-02	5
DRO	--	X	490	5	2.00E-02	1	--	X

Maximum score: 8

Bonus points: 0

Source: WARM Toxicity Database

Human Toxicity Score: 8

Range: 1-12

#### 1.2 Mobility

Substance	Solubility	
	Value (mg/L)	Score
GRO	1.75E+03	3
DRO	3.10E+01	1

Maximum value: 3

Source: WARM Toxicity Database

Mobility Score: 3

Range: 1-3

#### 1.3 Substance quantity

Quantity: 1,000 cu yd

Basis: Ground water in 88x38.5 ft & 44x22 ft areas, each assumed 3 feet thick

Source: RI Figure 7-7

Substance Quantity Score: 7

Range: 1-10

#### 2.1 Containment

Description: Contaminated ground water

Source: RI

Containment Score: 10

Range: 0-10

## SUBSTANCE PARAMETER CALCULATION

SUB = (Human Toxicity + Mobility + 3) x (Containment + 1) + Substance Quantity

161.0

## 2.0 MIGRATION POTENTIAL

### 2.2 Net precipitation

Amount (in.): 22

Net Precipitation Score: 3

Source: NOAA NCEI Climate Data Online  
ESRI Global Annual Evapotranspiration

Range: 0-5

### 2.3 Subsurface Hydraulic Conductivity

Description: Max hydraulic conductivity measured in shallow zone: 2.1E-3 cm/sec

Source: RI

Hydraulic Conductivity Score: 4

Range: 1-4

### 2.4 Vertical Depth to Aquifer

Depth (ft): 0 (groundwater is contaminated)

Depth to Aquifer Score: 8

Source: RI

Range: 1-8

## MIGRATION PARAMETER CALCULATION

MIG = Depth to Aquifer + Net Precipitation + Hydraulic Conductivity

15.0

## 3.0 TARGETS

### 3.1 Aquifer Usage

Description: Groundwater not used but useable

Source: King County iMap  
WDOH Office of Drinking Water-Find Water Systems

Aquifer Use Score: 2

Range: 1-10

### 3.2 Distance to Nearest Drinking Water Well

Distance (ft): >10,000

Well Distance Score: 0

Source: King County iMap  
WDOH Office of Drinking Water-Find Water Systems

Range: 0-5

### 3.3 Population Served by Drinking Water Wells within Two Miles

No. of people: 0

Population Served Score: 0.0

Source: WDOH Office of Drinking Water-Find Water Systems

Range: 0-100

### 3.4 Area Irrigated by Wells within Two Miles

Area (acres): 0

Area Irrigated Score: 0.0

Source: King County iMap

Range: 0-50



**TARGET PARAMETER CALCULATION**

2.0

TAR = Aquifer Use + Well Distance + Population Served + Area Irrigated

**4.0 RELEASE**

Evid. of release? Yes; detections in aquifer  
Source: RI

Release Score (REL): 5.0

Range: 0 or 5

**GROUND WATER ROUTE CALCULATION**

35.4

GW = (SUB x 40/208) x {(MIG x 25/17) + REL + (TAR x 30/165)} / 24

Range: 0-100

# Washington Ranking Method

## Route Scoring Summary and Ranking Calculation

**CSID:** 14784  
**Site:** Seattle DOT Mercer Parcels

Human Health Route Scores		
Pathway	Score	Quintile
Surface water	0.0	0
Air	48.1	5
Groundwater	35.4	3

Quintile	Value
High (H)	5
Middle (M)	3
Low (L)	0

Human Health Pathway Quintiles - based off February 2021 HSL							
Quintile	Surface Water		Air		Groundwater		
1	<=	7.3	<=	8.6	<=	24.1	
2		7.4		14.7		8.7	
3		14.8		21.1		16.5	
4		21.1		29.7		25.9	
5	>=	29.8	>=	40.3	>=	40.5	
						49.7	
						49.8	

$$(H^2 + 2M + L) / 8$$

Human Health Priority Bin Score: 3.9

Environmental Route Scores		
Pathway	Score	Quintile
Surface water	0.0	0
Air	1.6	3

Quintile	Value
High (H)	3
Low (L)	0

Environmental Pathway Quintiles - based off February 2021 HSL				
Quintile	Surface Water		Air	
1	<=	11.3	<=	1.2
2		11.4		24.1
3		24.2		32.5
4		32.6		49.6
5	>=	49.7	>=	26.6
				1.3
				13.8
				26.5

$$(H^2 + 2L) / 7$$

Environmental Priority Bin Score: 1.3

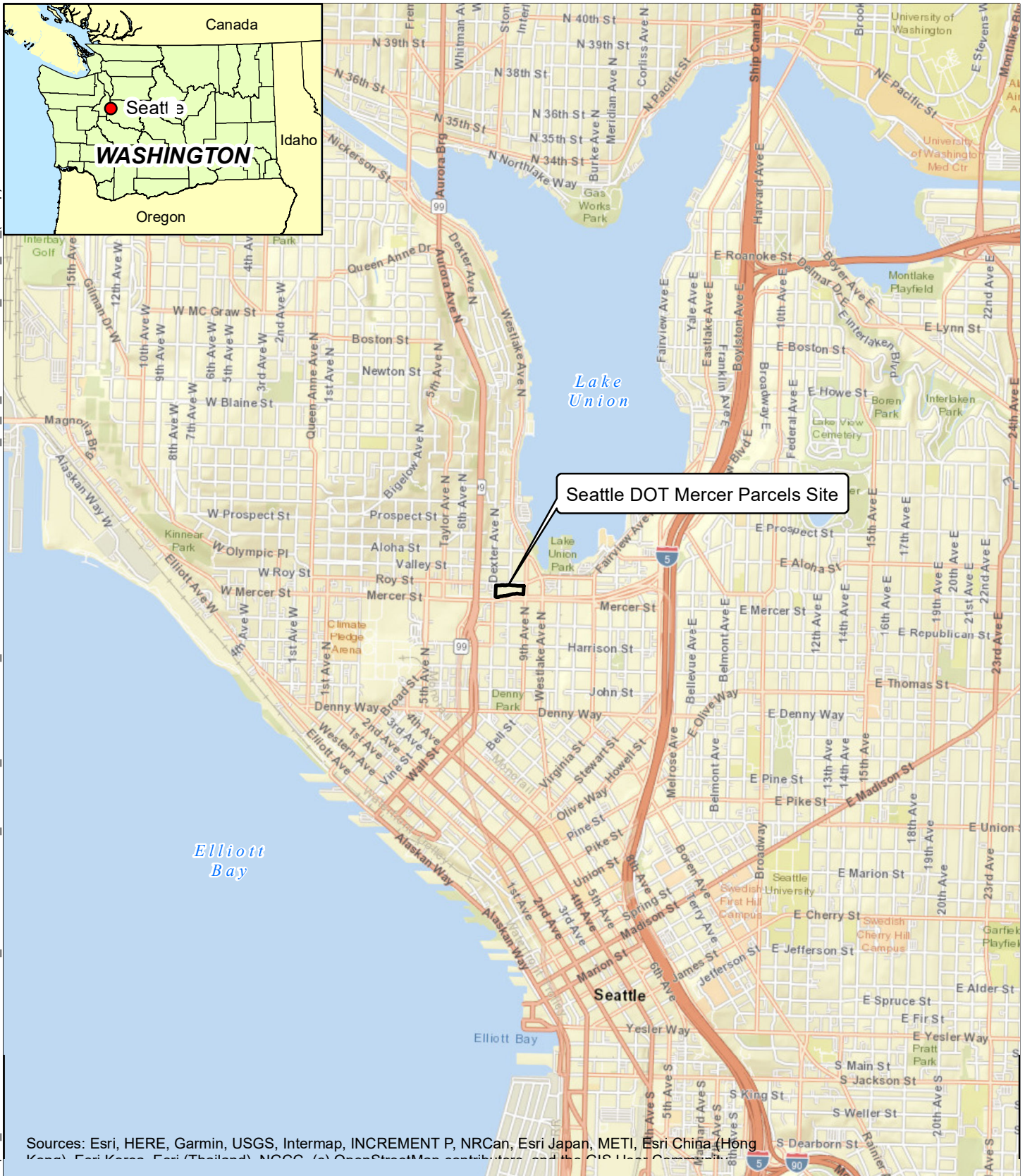
### FINAL MATRIX RANKING

Human Health Priority	Environmental Priority					n/a
	5	4	3	2	1	
5	1	1	1	1	1	1
4	1	2	2	2	3	2
3	1	2	3	4	4	3
2	2	3	4	4	5	3
1	2	3	4	5	5	5
n/a	3	4	5	5	5	NFA

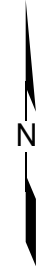
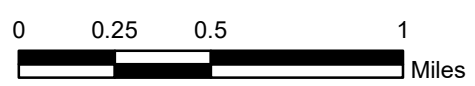
n/a - not applicable

NFA - no further action

**Site Rank:** 2



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Swisstopo, Esri (Thailand), NAVTEQ, © OpenStreetMap contributors, and the GIS User Community



Seattle DOT Mercer Parcels Site  
Seattle, Washington

**Vicinity Map**

19409-04

06/21

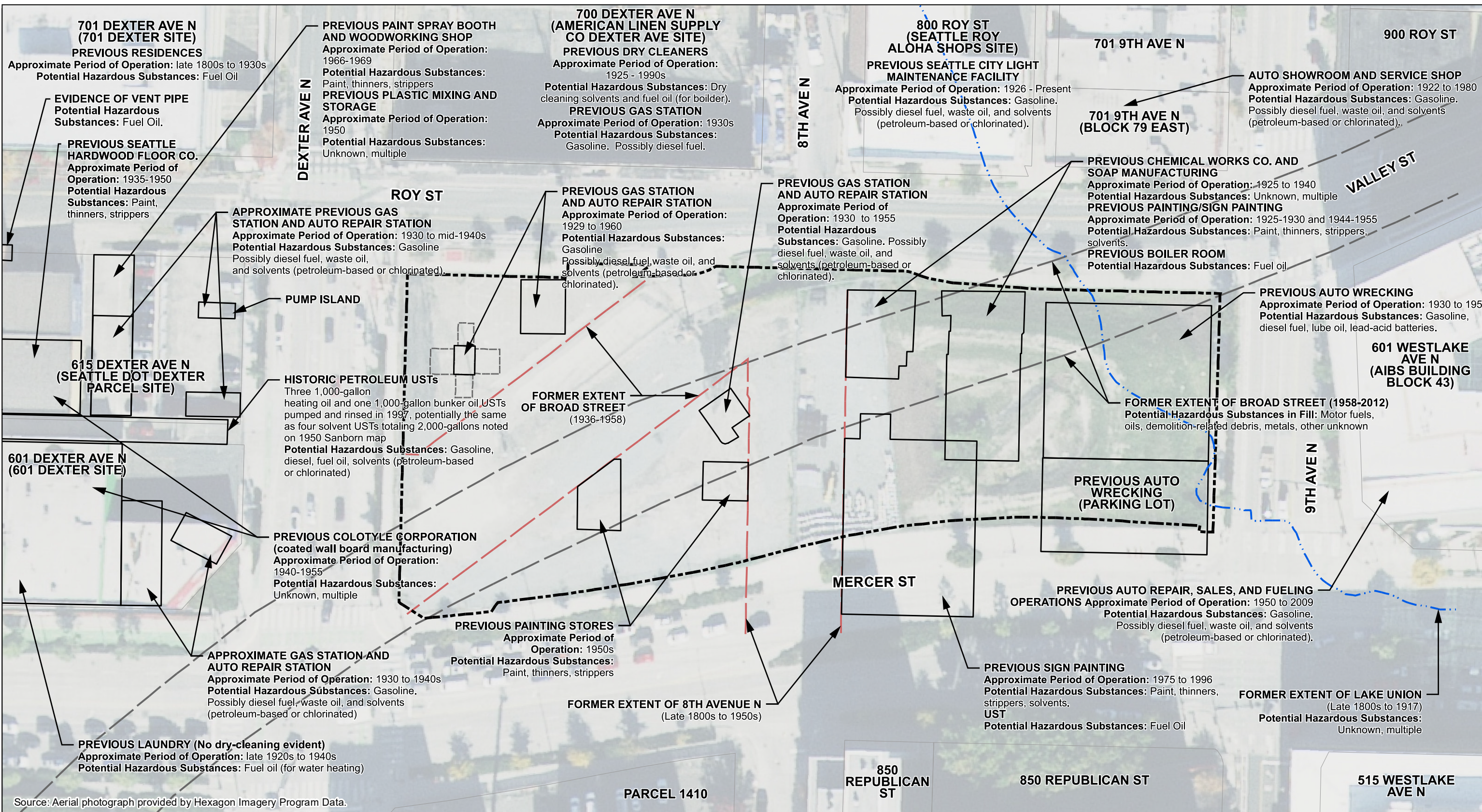


Figure

**1-1**



Document Path: G:\GEOGRAPHICAL\_INFORMATION\PROJECT\_FILES\MERCER\_MASTER\_PROJECT\_FILES\MERCER\_MEGABLOCK1940904\MGIS1940904\_RI\_Broad\_AB\_(PotentialSource).mxd Date: 1/14/2021 User Name: ericindquist



Source: Aerial photograph provided by Hexagon Imagery Program Data.

**Legend**

- Other Parcel Boundary
- Property Boundary
- Former Edge of Lake Union (1905 Sanborn)
- Former Street Alignment
- Pre-1958 Street Alignment

Seattle DOT Mercer Parcels Site  
Seattle, Washington

**Potential Historical Contaminant Sources**

19409-04 06/21





N

Note: Feature locations are approximate.




Figure  
**3-1**

A division of Haley & Aldrich



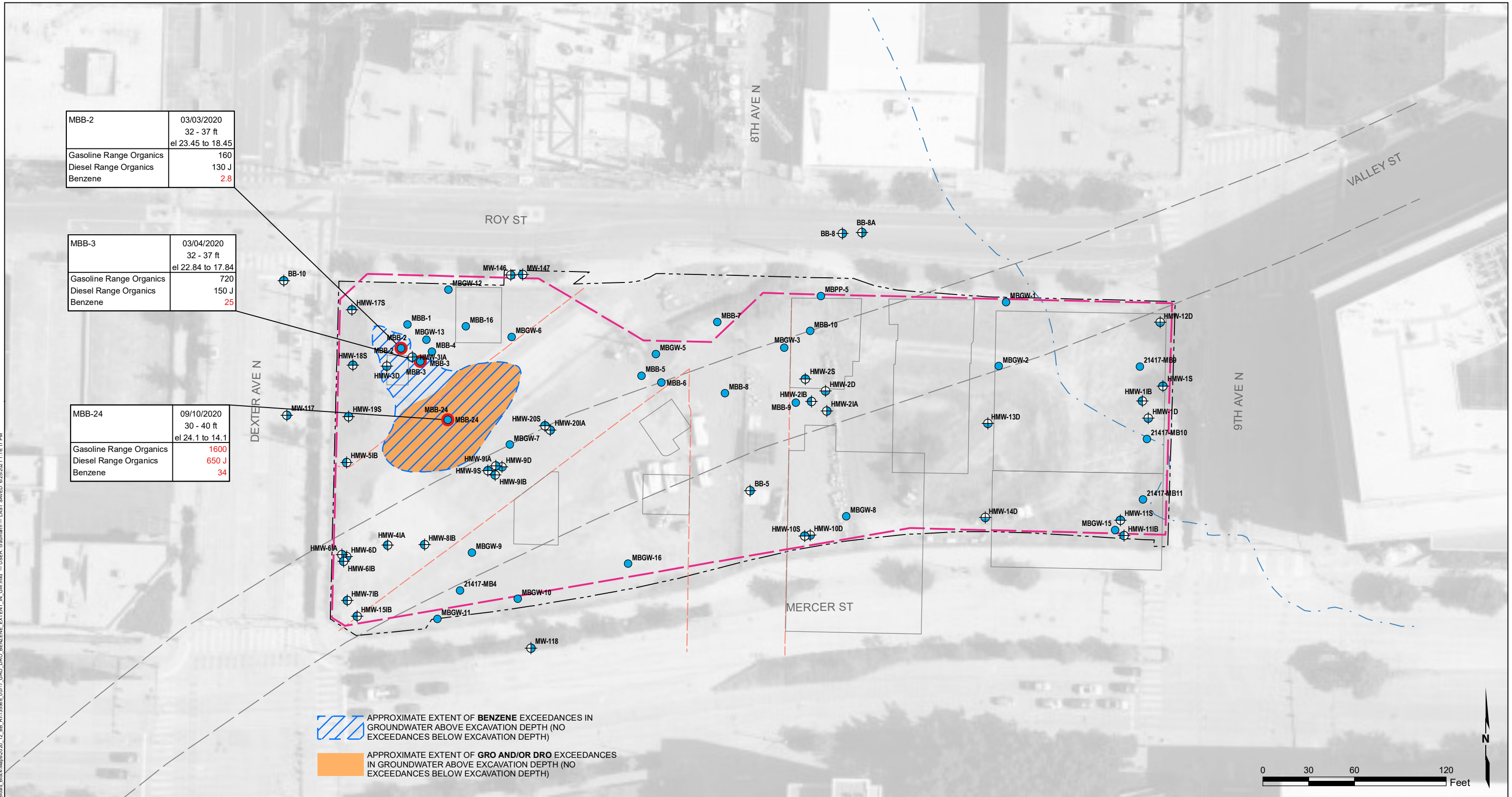




MBB-2	03/03/2020 32 - 37 ft el 23.45 to 18.45
Gasoline Range Organics	160
Diesel Range Organics	130 J
Benzene	2.8

MBB-3	03/04/2020 32 - 37 ft el 22.84 to 17.84
Gasoline Range Organics	720
Diesel Range Organics	150 J
Benzene	25

MBB-24	09/10/2020 30 - 40 ft el 24.1 to 14.1
Gasoline Range Organics	1600
Diesel Range Organics	650 J
Benzene	34



APPROXIMATE EXTENT OF BENZENE EXCEEDANCES IN GROUNDWATER ABOVE EXCAVATION DEPTH (NO EXCEEDANCES BELOW EXCAVATION DEPTH)

APPROXIMATE EXTENT OF GRO AND/OR DRO EXCEEDANCES IN GROUNDWATER ABOVE EXCAVATION DEPTH (NO EXCEEDANCES BELOW EXCAVATION DEPTH)

- SAMPLE LOCATIONS ANALYZED FOR GRO, DRO, AND BENZENE (ALL LOCATIONS SHOWN HERE WERE SAMPLED FOR ALL THREE COMPOUNDS)
- SHALLOW ZONE MONITORING WELL
  - INTERMEDIATE A ZONE MONITORING WELL
  - INTERMEDIATE B ZONE MONITORING WELL
  - DEEP ZONE MONITORING WELL
  - SOIL BORING WITH GRAB GROUNDWATER SAMPLE
  - GROUNDWATER SAMPLE LOCATION WITH EXCEEDANCE

- EXCAVATION LIMITS; TO BE EXCAVATED DOWN TO ELEVATION 8 FT OR LOWER
- POTENTIAL HISTORICAL CONTAMINANT SOURCE
- PROPERTY BOUNDARY
- FORMER LAKE UNION SHORELINE
- FORMER BROAD STREET AND 8TH AVENUE N, THROUGH 1950s
- FORMER BROAD STREET 1958-2012

**RED TEXT** INDICATES EXCEEDANCE OF PROTECTIVE OF DRINKING WATER OR PROTECTIVE OF INDOOR AIR SCREENING LEVELS

CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L)

SCREENING LEVELS WERE PROVIDED BY ECOLOGY (NOVEMBER 17, 2020)

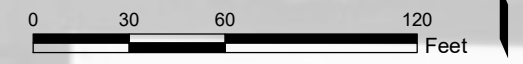
DEPTH IN FEET BELOW GROUND SURFACE (BGS)

ELEVATION IN FEET (NAVD 88)

U = NON-DETECT AT DETECTION LIMIT AS INDICATED  
 J = ESTIMATED VALUE  
 - = ANALYTE WAS NOT ANALYZED/NOT APPLICABLE  
 / = MULTIPLE RESULTS INDICATE THAT A FIELD DUPLICATE WAS TAKEN

AERIAL IMAGERY SOURCE: EAGLEVIEW

SCREENING LEVELS FOR GRO, DRO, AND BENZENE GROUNDWATER (µg/L)		
CONSTITUENT	PROTECTIVE OF DRINKING WATER	PROTECTIVE OF INDOOR AIR
Gasoline Range Organics (GRO)	800	-
Diesel Range Organics (DRO)	500	-
Benzene	5	2.4



Seattle DOT Mercer Parcels Site  
Seattle, Washington

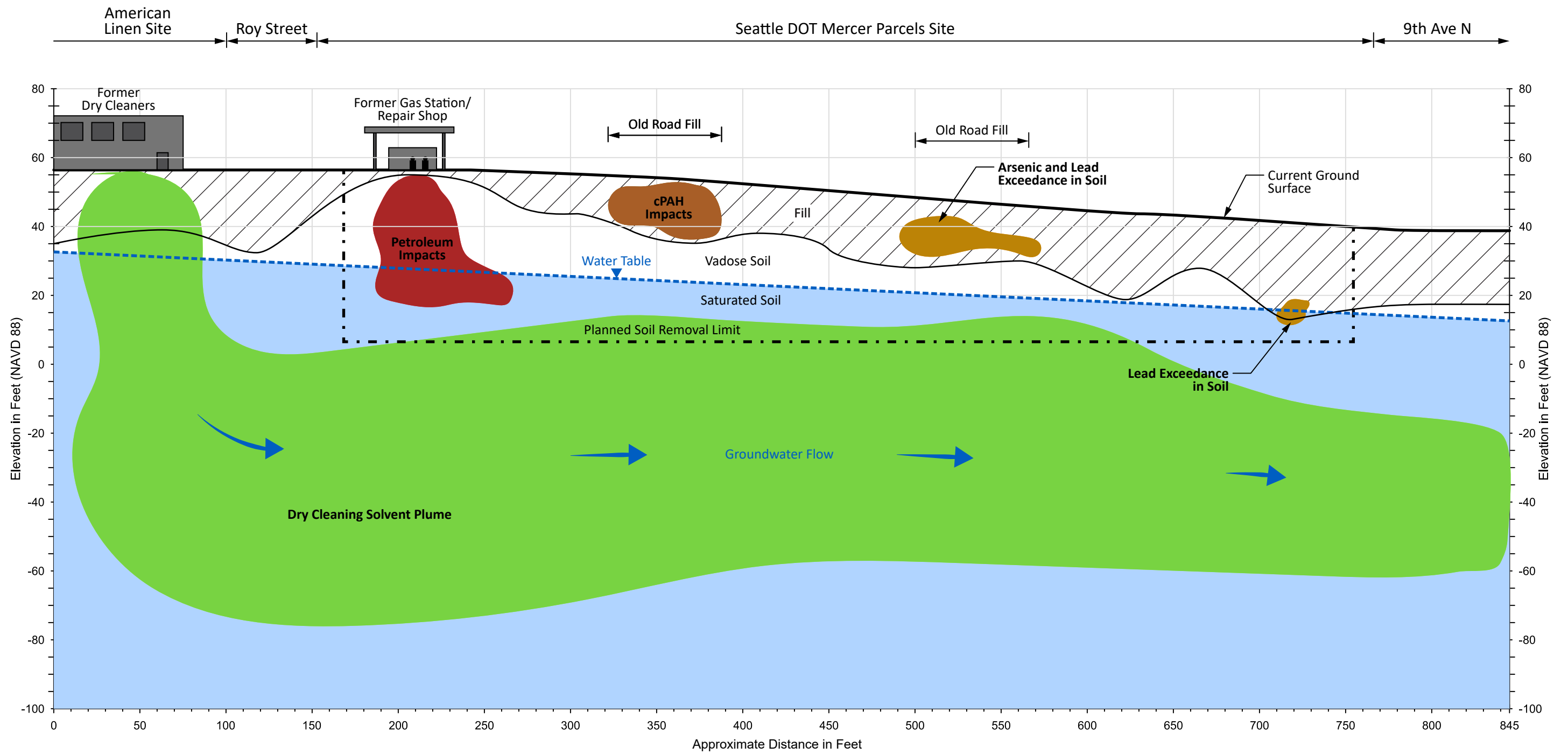
**GRO, DRO, and Benzene Distribution in Groundwater**

19409-04 06/21

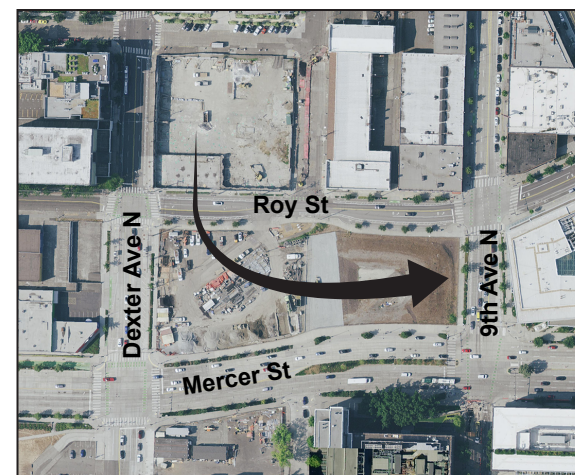
**HARTCROWSER**  
A division of Haley & Aldrich

Figure  
**7-7**

GIS FILE PATH: C:\Users\mhammond\OneDrive\LOCAL DATA\19409-04\LOCAL\_DATA\19409-04\19409-04\_12\_BB\_BB\_R1115568\_007-7\_GRO\_DRO\_BENZENE\_EXTENT\_IN\_GW.mxd - USER: crammann - LAST SAVED: 6/25/2021 11:16:17 AM



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Seattle DOT Mercer Parcels Site Seattle, Washington	
<b>Generalized Diagrammatic Conceptual Cross Section</b>	
19409-04	06/21
 A division of Haley & Aldrich	
Figure <b>7-11</b>	





Figure 1. Seattle DOT Mercer Parcels looking southwest, February 2021.





Figure 2. Seattle DOT Mercer Parcels looking west-northwest, February 2021. The Dexter Parcel site is in the background on the left.





Figure 3. Seattle DOT Mercer Parcels looking northeast, February 2021. The redevelopment at the American Linen site is on the left.