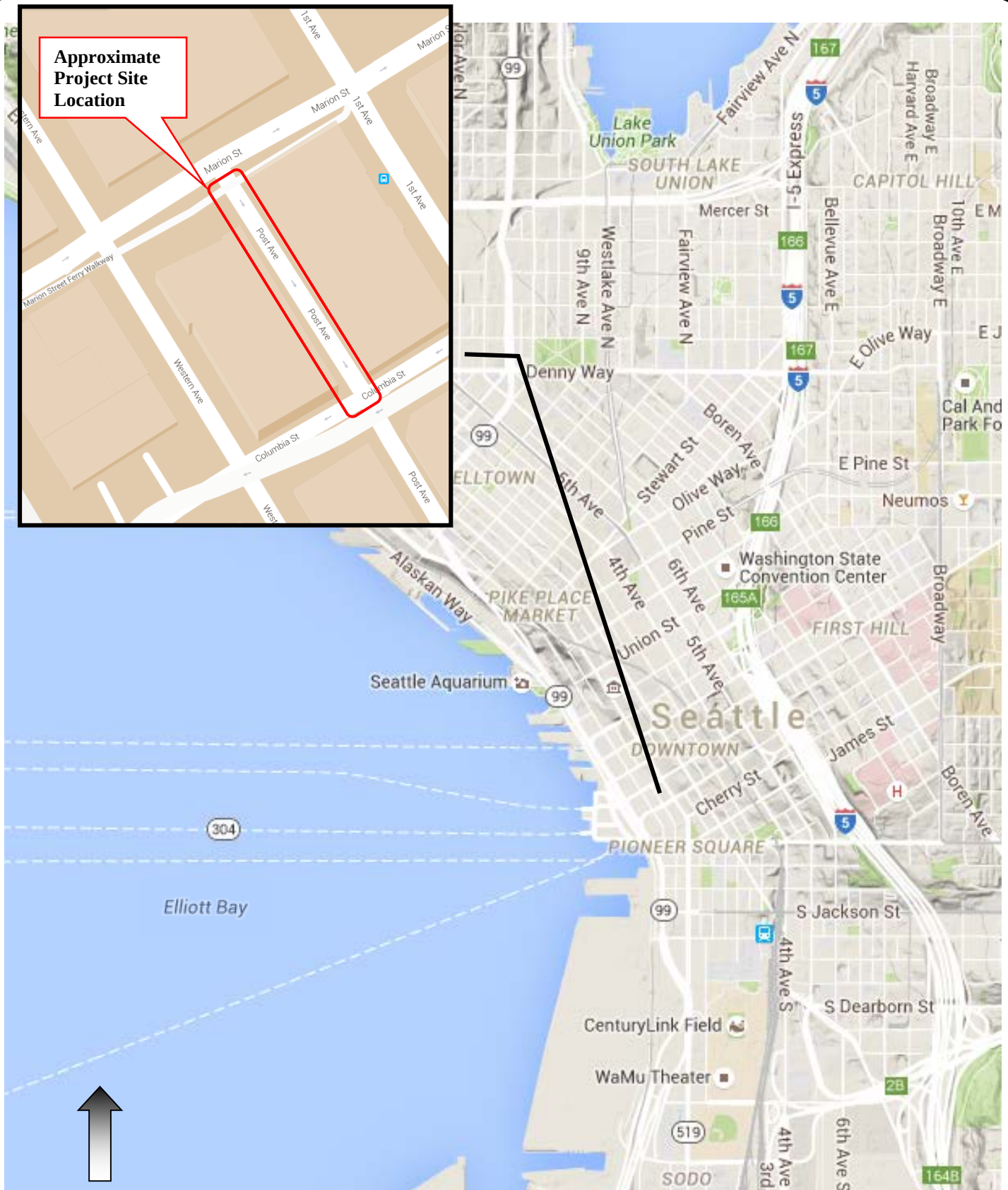




MAP NOT TO SCALE

BASE MAP FROM GOOGLE MAPS DATA © 2015 GOOLE

VICINITY MAP

POST ALLEY BRIDGE
SEATTLE, WASHINGTON

FIGURE NO.

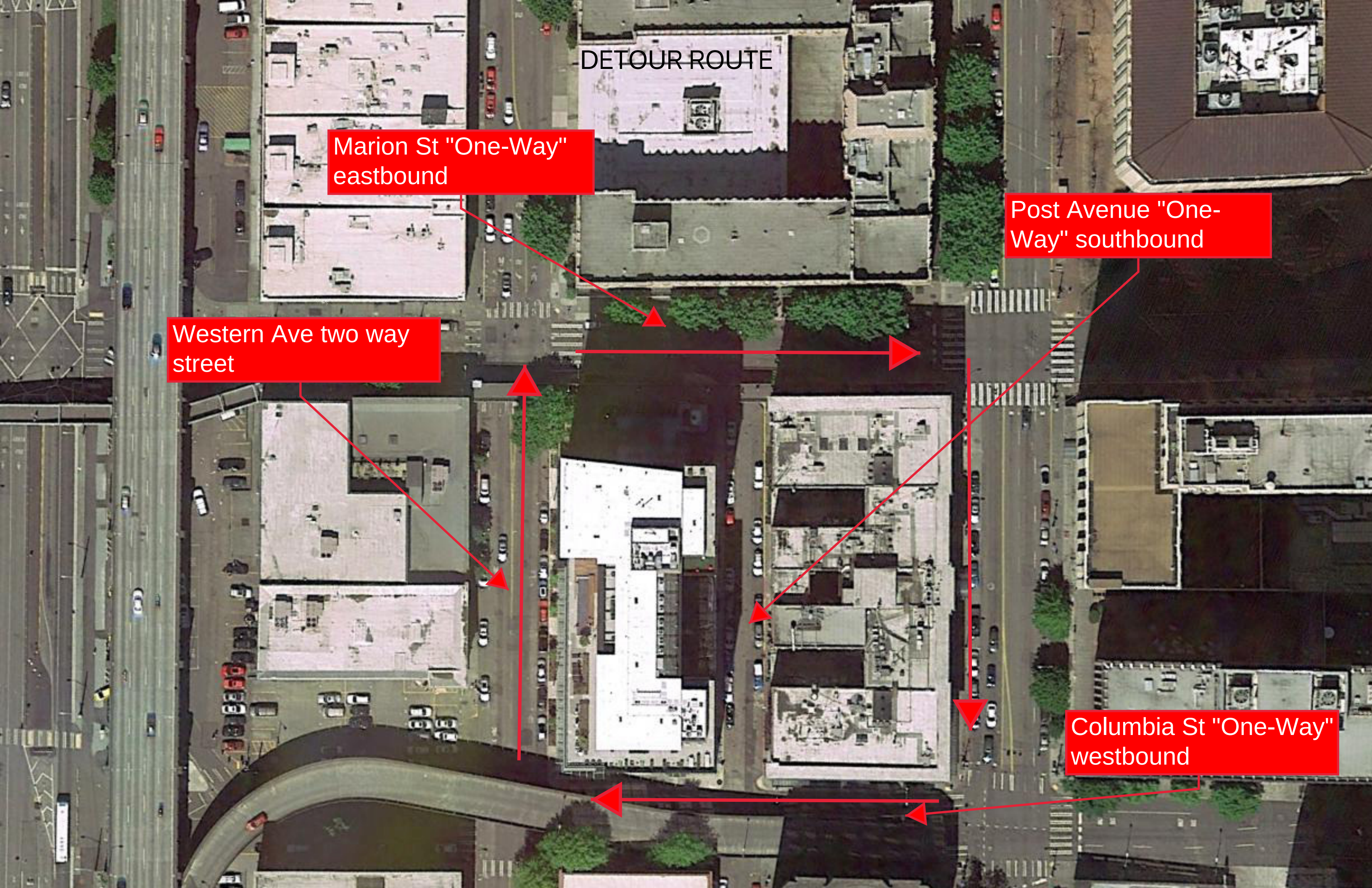
1

PROJECT NO.

2014-082-21



HWA GEOSCIENCES INC.



DETOUR ROUTE

Marion St "One-Way"
eastbound

Post Avenue "One-
Way" southbound

Western Ave two way
street

Columbia St "One-Way"
westbound

April 20, 2016

To: Post Avenue Bridge Replacement Environmental Classification Sheet File
From: Denise Healy, SDOT
Subject: Part 4 question 5 – Hazardous and Problem Waste Analysis

Summary

SDOT has evaluated data from the Ecology Toxic Cleanup database and the City of Seattle GIS in relationship to the proposed project activities and determined that it is contaminated soils and groundwater will not be encountered on this project. In the unlikely event that contaminated soils do appear, SDOT will invoke our robust standards for unexpected discoveries to insure that all soils are handled per State regulations.

The Post Avenue Bridge Replacement Project will remove the existing bridge that supports Post Avenue between Marion and Columbia Streets and replace it with a standard roadway. The project is part of the SDOT Bridge Rehabilitation & Replacement Program and is being funded by the Federal Highway Bridge program. The bridge has a deep timber pile foundation with timber cap beams beneath a concrete bridge deck that has an asphalt overlay. For a portion of the bridge there is a void between the bottom of the bridge deck and the earth of up to 2-3 feet.

During construction the existing bridge deck, timber cap beams will be removed. The soil will be removed to a depth of 6-7 feet below surface. The timber piles will be cut off at approximately one foot below the base of the excavation and the roadbed will be filled with light weight cellular concrete which will act as the base of the restored roadway.

The geotechnical report for the project area states the soils are historic fills to a depth of 27 to 28 feet. The fill was placed between 1880 and 1904 to facilitate the westward expansion of the waterfront and consists of loose to medium dense silty sands to sandy silts. Groundwater level is reported to be 10-11 feet below the surface.

SDOT does not expect to encounter groundwater during construction so we focused our contaminated site review on nearby parcels with contaminated soil. Figure 1 shows the location of the Confirmed and Contaminated Sites in the immediate vicinity of the Post Avenue Bridge. The three closest sites are

		FSID	CSID
• SEATTLE STEAM CO POST AVE	700 POST AVE	2244	1330
• COMMUTER CENTER GARAGE	801 809 WESTERN AVE	93973477	11129
• ALEXIS HOTEL	1007 1 ST AVE	2806420	5299
• BUTLER GARAGE	114 James	34221612	8790
• SEATTLE PORT TERMINAL 46	401 Alaskan way	9972855	7005

None of these sites appear to have contaminated the Post Avenue Bridge project area and SDOT does not expect to encounter contaminate soil during the bridge replacement.

The Seattle Steam Post Avenue site is about one half block south of the project site. Ecology records for the site indicate that fuel tanks are buried 8 to 10 feet deep. Since the project only intends to excavate to a depth of 6 to 7 feet it is unlikely that any of the contaminated soil from the Seattle Steam site will be encountered even if the contamination extends outside the Seattle Steam parcel boundaries. For the Commuter Center the Ecology records state that the only remaining contaminated soil is confined to an area near the building foundation. For the Alexis Hotel the Ecology records indicate that the soil contamination is confined to the area of Post Avenue north of Madison Street, which is one full block north of the project area. For the Butler garage most of the soil had been removed. Finally the Terminal 48 site is a marine sediment cleanup site. Tables 1 and 2 show Confirmed and Suspected Contaminated Sites within a half mile of the project site.

Table 3 lists the Leaking Underground Storage tanks within a half mile radius of the project site. All of the LUST tanks in the immediate vicinity of the project site are part of the Confirmed and Suspected Contaminated Sites discussed in the paragraph above.

Tables 4 and 5 list the regulated and City permitted underground storage tanks within a half mile of the project site. For the regulated tanks the closest operational tank is located at 801 4th Avenue approximately four and a half blocks away from the Post Avenue Bridge construction site. For the City regulated tanks the only active tank is located on Second Avenue between Yesler and James streets, more than three blocks from the project site.

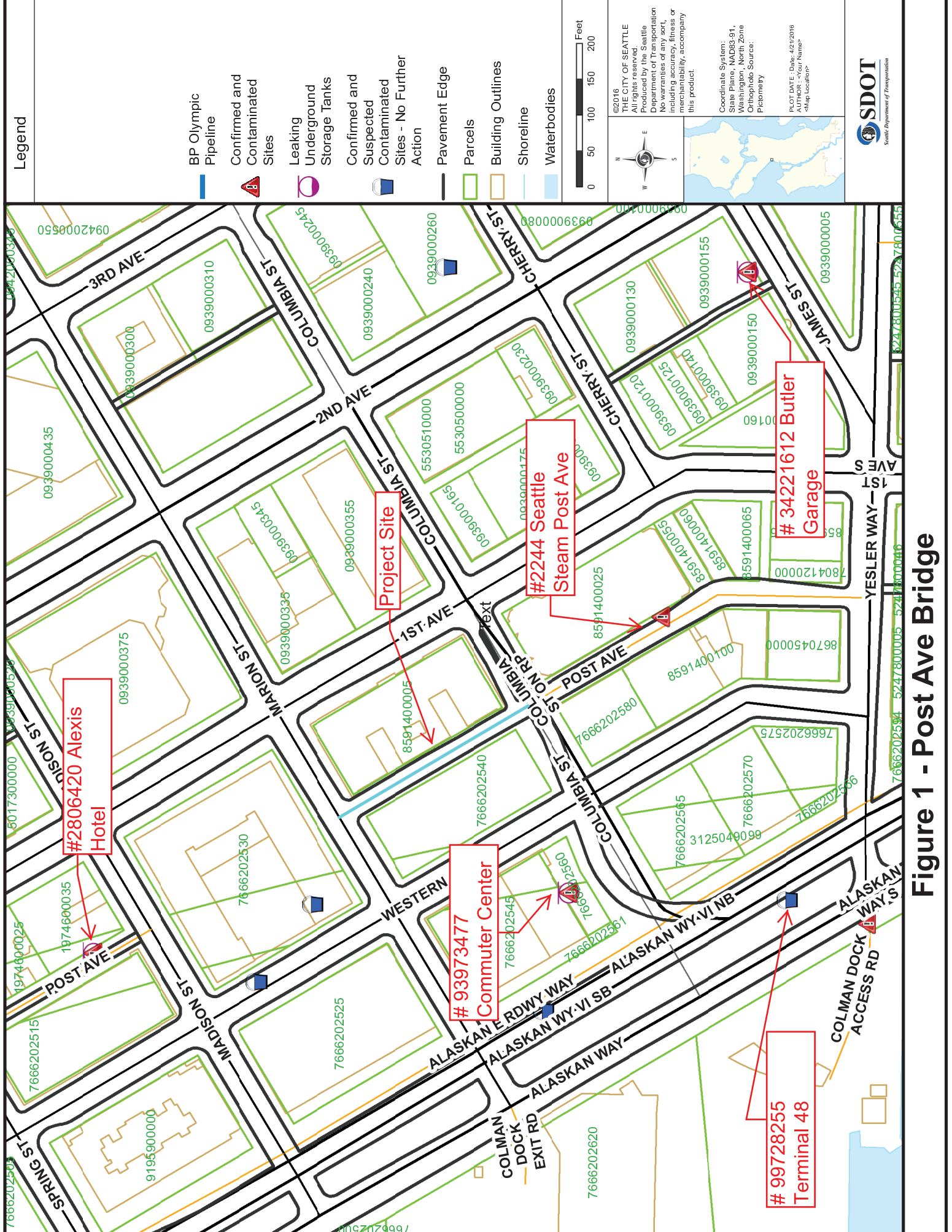


Figure 1 - Post Ave Bridge

Table 1 Confirmed and Suspected Contaminated Sites Half Mile Radius												
Within 1000 feet of Post Avenue Bridge	TYPE	FSID #	Cleanup Site ID #	Site Name	Site Address	WADOE Status	WADOE WARM Rank	Contaminantes	GW	Soil	ROW	Notes
X	SCS	2244	1330	SEATTLE STEAM CO POST AVE	700 POST AVE	Awaiting Cleanup	5	Petroleum Products-Unspecified, Metals Priority Pollutants, Polynuclear Aromatic Hydrocarbons, Metals - Other Bunker C	C	C	N	just south of Columbia Street Bunker C
X	CSCSL	2806420	5299	Alexis Hotel	1007 1ST AVE	Awaiting Cleanup	3	Benzene, Non-Halogenated Solvents, Lead, Metals Priority Pollutants, Petroleum-Gasoline	C	C	N	Map shows contamination area= Post Avenue north of Madison GW flow SSW
X	ICP	34221612	8790	BUTLER GARAGE	114 JAMES ST	Cleanup Started	4	Non-Halogenated Solvents, Benzene, Petroleum-Gasoline	C	C	N	Most soil removed 1998 - 2000. GW treatment system operating 2013. Benzene in GW only parameter exceeding
X	ICP	51658872	9512	CHERRY STREET GARAGE	213 CHERRY ST	Awaiting Cleanup	N	Petroleum-Gasoline	C	C	N	
X	ICP	93973477	11129	COMMUTER CENTER GARAGE	801 809 WESTERN AVE	Cleanup Started	5	Petroleum-Other, Petroleum-Gasoline, Benzene		C	N	Tanks under sidewalk on Post and west on Columbia closed in 1993. Excavation to 8-10 ft bgs. Testing at margins showed < 100 PPM except for wester most tank (near Western Ave). No groundwater encountered
X	ICP//SED	99728255	7005	Seattle Port Terminal 46	401 ALASKAN WAY S TERMINAL 46	Cleanup Started	N	Benzene, Phenolic Compounds, Petroleum-Other, Metals Priority Pollutants, Petroleum-Gasoline, Petroleum-Diesel	B	B	N	
	VCP	2243	5075	Seattle Steam Co Western Ave	1319 WESTERN AVE	Cleanup Started	5	Petroleum-Other, Metals Priority Pollutants, Polynuclear Aromatic Hydrocarbons , Polychlorinated biphenyls (PCB), Metals - OtherPetroleum-Other	C	C	N	

Table 1 Confirmed and Suspected Contaminated Sites Half Mile Radius												
Within 1000 feet of Post Avenue Bridge	TYPE	FSID #	Cleanup Site ID #	Site Name	Site Address	WADOE Status	WADOE WARM Rank	Contaminantes	GW	Soil	ROW	Notes
	SCS & Sed	2553	2545	CENTRAL SEATTLE WATERFRONT	PIERS 53-58 ALASKAN WAY	Cleanup Started	N	Polychlorinated biPhenyls (PCB), Phenolic Compounds, Metals Priority Pollutants, Halogenated Organics, Polynuclear Aromatic Hydrocarbons, Base/Neutral/Acid Organics, Petroleum Products-Unspecified			N	sediments west site
	VCP	19875	12477	Western and University Property	50 UNIVERSITY ST	Awaiting Cleanup	N	Petroleum-Gasoline, Polynuclear Aromatic Hydrocarbons, Other Non-Halogenated Organics, Lead, Metals - Other, Benzene, Arsenic, Petroleum-Diesel, Mercury, Petroleum-Other	B	C	N	
	SCS	22220	2571	Clarwood Apartments	805 MARION ST	Cleanup Started	N	Petroleum Products-Unspecified	S	C	N	
	SCS	23842	12451	Downtown Parking Lot	400 S JACKSON ST	Awaiting Cleanup	N	Petroleum-Diesel, Metals - Other,Other Non-Halogenated Organics, Benzene, polynuclear Aromatic Hydrocarbons, Petroleum-Gasoline		C	N	
	SCS	1709769	264	WA DOT KING & ALASKAN WY S	KING & ALASKAN WAY S	Awaiting Cleanup	N	Polynuclear Aromatic Hydrocarbons		C	N	
	SCS /VCP	5378137	1966	North Lot Development	201 255 S KING ST	Cleanup Started	N	Dioxin/Dibenzofuran Compounds,Petroleum-Other, Petroleum-Diesel,Other Non-Halogenated Organics,Mercury,Arsenic, Polynuclear Aromatic Hydrocarbons, Petroleum-Gasoline, Benzene		C	N	
	ICP	5741946	7668	Kennedy Hotel Garage	1100 5TH AVE	Cleanup Started	3	Petroleum-Other, Petroleum-Gasoline, Benzene	B	B	N	
	ICP	6335603	3288	King County Facilities Management	905 JAMES ST	Awaiting Cleanup	N	Halogenated Organics	C	C	N	
	ICP	6581764	7711	KING STREET CENTER	201 S JACKSON ST	Cleanup Started	5	Petroleum-Diesel, Petroleum-Other,	S	C	N	

Table 1 Confirmed and Suspected Contaminated Sites Half Mile Radius												
Within 1000 feet of Post Avenue Bridge	TYPE	FSID #	Cleanup Site ID #	Site Name	Site Address	WADOE Status	WADOE WARM Rank	Contaminantes	GW	Soil	ROW	Notes
	ICP	10733774	7872	US WEST SEATTLE	1200 3RD AVE	Cleanup Started	5	Petroleum-		C	N	
	VCP	11765899	11818	Immunex Corporation 51 U	51 UNIVERSITY ST	Cleanup Started	N	Polynuclear Aromatic Hydrocarbons		C	N	
	VCP	19537471	8240	OLD SEATTLE PARKING GARAGE	74 S JACKSON ST/316 Alaskan Way S	Cleanup Started	N	Benzene, Petroleum-Gasoline, Petroleum-Other, Other Halogenated Organics		S	N	
		28986332	5825	KING COUNTY GOAT HILL PARKING	5TH & JEFFERSON	Cleanup Started	5	Petroleum-Other, Petroleum Products- Unspecified, Petroleum-Gasoline, Benzene,Petroleum-Diesel	S	C	N	
	ICP	41668943	9056	PORT OF SEATTLE TERMINAL 37	1201 ALASKAN WAY S	Cleanup Started	N	Petroleum-Other, Benzene	C	C	N	
	ICP	41845219	9099	SEATTLE FIRE STATION 10	301 2ND AVE S	Cleanup Started	N	Petroleum-Diesel,Benzene, Petroleum-Other, Petroleum-Gasoline		RB	N	
	ICP	51931494	9524	WA DOT 1205 6TH AVE S	1205 6TH AVE	Cleanup Started	N	Petroleum-Other		C	N	Outside 1/2 mile buffer?
	VCP	56642815	436	Seattle Hilton Hotel Parking Garage	1301 6TH AVE	Cleanup Started	N	Other Non-Halogenated Organics, Lead, Petroleum-Gasoline, Benzene	C	B	N	
	ICP	63685973	9977	KINGDOME	201 S KING ST	Cleanup Started	N	Petroleum-Other	C	C	N	
	ICP	65657666	10062	Washington Athletic Club Garage	1405 6TH AVE	Cleanup Started	3	Petroleum-Other	C	C	N	
	ICP	81551293	10611	FOURTH & COLUMBIA PARKING GARAGE	723 4TH AVE	Cleanup Started	3	Non-Halogenated Solvents, Petroleum-Gasoline, Benzene		C	N	

Table 1
Confirmed and Suspected Contaminated Sites
Half Mile Radius

<i>Within 1000 feet of Post Avenue Bridge</i>	<i>TYPE</i>	<i>FSID #</i>	<i>Cleanup Site ID #</i>	<i>Site Name</i>	<i>Site Address</i>	<i>WADOE Status</i>	<i>WADOE WARM Rank</i>	<i>Contaminantes</i>	<i>GW</i>	<i>Soil</i>	<i>ROW</i>	<i>Notes</i>
	SCS	2060	3858	UNION STATION	S JACKSON ST & 4TH AVE S	Const. Complete -Perf. Monitoring	3	Polynuclear Aromatic Hydrocarbons, Metals - Other, Non-Halogenated Solvents ,Metals Priority Pollutants, Petroleum Products- Unspecified, Base/Neutral/Acid Organics, Base/Neutral/Acid Organics, Phenolic Compounds,	C	C	Y	http://inweb/sdot/docs/ems/letters/2060.pdf

	A	B	C	D	E	F	G	H	I	J	K
Table 2 Confirmed and Suspected Contaminated Sites-NFA Half Mile Radius											
1											
	Within 1000 ft of Post Avenue Bridge	FSID #	Cleanup Site ID #	Site Name	Site Address	VCP	NFA Date	Contaminate	GW	Soil	Note
2	X	2146	214	MARITIME BUILDING	911 WESTERN	No	9/13/1995	H organics	S		1 short block NW
3	X	10836	11482	WA DOT R O W Yesler & Alaskan	YESLER WAY & ALASKAN WAY	No	12/3/2010	PAH		RB	2 blocks west @ ferry dock
4	X	2069419	4407	ST CHARLES HOTEL	619 3RD AVE	Yes	3/21/2003	HH and non-HH Organics, PAH, Pet		C	2 blocks west @ ferry dock
5											
6	X	46174813	4368	Downtown YMCA of Greater Seattle	909 4TH AVE	Yes	1/14/2002	Petroleum		R	
7	X	68766933	3150	Dexter Horton Building	710 2ND AVE	Yes	2/16/2006	Pet PAH	S	C	
8	X	85855836	10842	COMMUTER CENTER PARKING FACILITY	815 WESTERN AVE	No	10/3/2011	Benzene, Pet-G and Pet		RB	see CSCS sheet
9	X	96436167	1078	WATERFRONT PLACE	1011 WESTERN AVE	Yes	4/6/2000	Metals & Pet	B	B	
10		2562	5152	PACIFIC HOTEL LTD PARTNERSHIP	317 MARION ST	No	4/29/1996				
11		18988	12674	Argens	80 S MAIN ST	No	5/19/2015				
12		1365899	7419	PARKADE 2ND & UNION	1400 2ND AVE	No	10/3/2011				
13		4931463	1535	Skyline At 1st Hill Property	710 8TH AVE	Yes	4/28/2008				
14		5067972	1355	PASCIUTO PROPERTY	1314 E UNION ST	No	8/19/2010				
15		6189589	5393	TRI CITY ROOFING COMPANY INC	1036 4TH AVE N	Yes	6/3/2005				
16		6989544	7724	LASALLE PARTNERS PROPERTY	6TH AVE & CHERRY	No	10/3/2011				
17		8671299	4036	1521 2nd Ave	1521 2ND AVE	Yes	6/16/2008				

	A	B	C	D	E	F	G	H	I	J	K
1	Table 2 Confirmed and Suspected Contaminated Sites-NFA Half Mile Radius										
	<i>Within 1000 ft of Post Avenue Bridge</i>	<i>FSID #</i>	<i>Cleanup Site ID #</i>	<i>Site Name</i>	<i>Site Address</i>	<i>VCP</i>	<i>NFA Date</i>	<i>Contaminate</i>	<i>GW</i>	<i>Soil</i>	<i>Note</i>
2											
18		15856998	8111	AAMPCO JONES BLDG PARKING	1331 3RD AVE	No	10/3/2011				
19		17131375	4032	W/a St Football Soccer Stadium & Expo Cen	FORMER KINGDOME SITE	Yes	7/1/2002				
20		23193699	8362	FOUR SEASONS OLYMPIC GARAGE	415 SENECA ST	No	10/3/2011				
21		26624283	4266	KING COUNTY MOTOR POOL	415 5TH AVE	Yes	9/20/2001				
22		29259582	5831	HELIPARKER GARAGE	95 UNION ST	Yes	6/14/2006				
23		39213232	8999	SEATTLE TOWER	1212 3RD AVE	No	10/3/2011				
24		56494947	6302	Sheraton Seattle Hotel & Towers	1400 6TH AVE	Yes	1/24/2006				
25		63279375	9954	SEATTLE CITY CHERRY ST SITE	5TH & CHERRY	No	10/3/2011				
26		67322158	7113	KING COUNTY FACILITIES	500 4TH AVE	Yes	9/20/2001				
27		69367334	3506	401 2ND AVE S BLDG	401 2ND AVE S	Yes	5/21/1998				
28		84854685	7136	Hines Interests/SeaFo Parking Garage	1001 4TH AVE	Yes	6/9/2006				

Table 3
Leaking Underground Storage Tanks 1/2 Mile Radius

<i>Within 1000 ft</i>	<i>FSID</i>	<i>CLNP_SITE_ ID</i>	<i>SITE NAME</i>	<i>SITE ADDRESS</i>	<i>Process</i>	<i>STATUS</i>	<i>DATE</i>	<i>Other List</i>
X	34221612	8790	BUTLER GARAGE	114 JAMES ST	IA	Cleanup Started	15-May-98	CSCS
X	93973477	11129	COMMUTER CENTER GARAGE	801 809 WESTERN AVE	IA	Cleanup Started	1-Jul-11	CSCS
X	81551293	10611	FOURTH & COLUMBIA PARKING GARAGE	723 4TH AVE	IA	Cleanup Started	4-Mar-04	
X	2806420	5299	Alexis Hotel	1007 1ST AVE	No Process	Awaiting Cleanup	9-Oct-06	CSCS
X	51658872	9512	CHERRY STREET GARAGE	213 CHERRY ST	IA	Awaiting Cleanup	1-May-89	
	65657666	10062	Washington Athletic Club Garage	1405 6TH AVE	IA	Monitoring	1-Jul-98	
	2243	5075	Seattle Steam Co Western Ave	1319 WESTERN AVE	VCP	Cleanup Started	1-Jul-11	
	56642815	436	Seattle Hilton Hotel Parking Garage	1301 6TH AVE	VCP	Cleanup Started	9-May-11	
	12823676	7961	KING COUNTY YESLER BUILDING	400 YESLER WAY	IA	Cleanup Started	3-Oct-11	
	5741946	7668	Kennedy Hotel Garage	1100 5TH AVE	IA	Cleanup Started	1-Jul-11	
	10733774	7872	US WEST SEATTLE	1200 3RD AVE	IA	Cleanup Started	31-Dec-91	
	28986332	5825	KING COUNTY GOAT HILL PARKING	5TH & JEFFERSON	IA	Cleanup Started	1-Jul-11	
	99728255	7005	Seattle Port Terminal 46	401 ALASKAN WAY S TERMINAL 46	IA	Cleanup Started	1-Jul-11	
	51931494	9524	WA DOT 1205 6TH AVE S	1205 6TH AVE	IA	Cleanup Started	21-May-95	
	41845219	9099	SEATTLE FIRE STATION 10	301 2ND AVE S	IA	Cleanup Started	1-Jul-11	
	6581764	7711	KING STREET CENTER	201 S JACKSON ST	IA	Cleanup Started	1-Jul-11	
	19537471	8240	OLD SEATTLE PARKING GARAGE	74 S JACKSON ST/316 Alaskan Way S	VCP	Awaiting Cleanup	1-Jul-11	
	63685973	9977	KINGDOME	201 S KING ST	IA	Cleanup Started	10-Nov-93	

Table 4
Regulated Underground Storage Tanks

<i>within 1000</i>	FSID	RUST_UST_ID	SITE NAME	SITE ADDRESS	TANK #	STATUS	DATE	CAPACITY	SUBSTANCE
X	21835451	489530	FEDERAL RESERVE BANK	1015 2ND AVENUE	1	Closed in Place	1/1/1949	111 TO 1,100 Gallons	O Other Petroleum Substance
X	45228331	11908	PIONEER TITLE BUILDING	719 2ND AVE OR	1	Closed in Place	12/31/1964	111 TO 1,100 Gallons	B Unleaded Gasoline
X	45228331	11908	PIONEER TITLE BUILDING	719 2ND AVE OR	2	Closed in Place	12/31/1964		B Unleaded Gasoline
X	72634771	102105	MARTIN SELIG REAL ESTATE CO	115 COLUMBIA ST	2	Closure in Process	12/31/1964	111 TO 1,100 Gallons	A Leaded Gasoline
X	72634771	102105	MARTIN SELIG REAL ESTATE CO	115 COLUMBIA ST	1	Closure in Process	12/31/1964	111 TO 1,100 Gallons	A Leaded Gasoline
X	93973477	7175	COMMUTER CENTRE PARKING	801-809 WESTERN AVE	6	Closure in Process	12/31/1964	111 TO 1,100 Gallons	B Unleaded Gasoline
X	93973477	7175	COMMUTER CENTRE PARKING	801-809 WESTERN AVE	5	Closure in Process	12/31/1964	111 TO 1,100 Gallons	B Unleaded Gasoline
X	42347944	3735	SEATTLE STEAM CORPORATION	633 POST ST	NEW POST	Exempt	12/31/1964		H Heating Fuel
X	42347944	3735	SEATTLE STEAM CORPORATION	633 POST ST	POST NO. 2	Exempt - Closed in Place	12/31/1964		H Heating Fuel
X	42347944	3735	SEATTLE STEAM CORPORATION	633 POST ST	POST NO. 1	Exempt - Closed in Place	12/31/1964		H Heating Fuel
X	59216884	9781	JERRY A COSTACOS	801 4TH AVE	3	Operational	11/8/1990	2,001 to 4,999 Gallons	B Unleaded Gasoline
X	59216884	9781	JERRY A COSTACOS	801 4TH AVE	1	Operational	11/8/1990	111 TO 1,100 Gallons	B Unleaded Gasoline
X	59216884	9781	JERRY A COSTACOS	801 4TH AVE	2	Operational	11/8/1990	2,001 to 4,999 Gallons	B Unleaded Gasoline
X	19804	620027	Seattle Tunnel Partners	619 Western Ave	1	Unregister 30 Day Notice	1/1/2001		R Unknown
X	1493753	101357	ACE NOVELTY	621/625 WESTERN AVE	2	Removed	12/31/1964		A Leaded Gasoline
X	1493753	101357	ACE NOVELTY	621/625 WESTERN AVE	1	Removed	12/31/1964		A Leaded Gasoline
X	2806420	619605	Alexis Hotel	1007 1ST AVE	2	Removed	1/1/2001		
X	2806420	619605	Alexis Hotel	1007 1ST AVE	3	Removed	1/1/2001		
X	2806420	619605	Alexis Hotel	1007 1ST AVE	1	Removed	1/1/2001		
X	4150264	610601	YESLER WAY GARAGE	2ND AVE & YESLER WAY	1	Removed	1/1/2001	111 TO 1,100 Gallons	D Diesel
X	34221612	449836	BUTLER GARAGE	114 JAMES ST	1	Removed	1/1/1964	1,101 to 2,000 Gallons	B Unleaded Gasoline
X	34221612	449836	BUTLER GARAGE	114 JAMES ST	2	Removed	1/1/1900	1,101 to 2,000 Gallons	B Unleaded Gasoline
X	46174813	102145	YMCA OF GREATER SEATTLE	909 4TH AVE	1	Removed	1/1/1920		
X	51658872	200900	CHERRY STREET GARAGE	213 CHERRY ST	2	Removed	1/1/2001		
X	51658872	200900	CHERRY STREET GARAGE	213 CHERRY ST	1	Removed	1/1/2001		
X	59797792	100292	NORTHWEST BUILDING CORPORATION	801 2ND AVENUE	1	Removed	12/31/1964		A Leaded Gasoline
X	59797792	100292	NORTHWEST BUILDING CORPORATION	801 2ND AVENUE	2	Removed	12/31/1964		A Leaded Gasoline
X	68253451	8817	SEATTLE CITY LIGHT DEPARTMENT	1015 3RD AVE	OLDER1	Removed	1/1/1970		B Unleaded Gasoline
X	68253451	8817	SEATTLE CITY LIGHT DEPARTMENT	1015 3RD AVE	1	Removed	3/1/1987	111 TO 1,100 Gallons	B Unleaded Gasoline
X	85855836	101760	TURNER & PEASE CO	815 WESTERN AVE	1	Removed	1/1/1950		H Heating Fuel
X	93973477	7175	COMMUTER CENTRE PARKING	801-809 WESTERN AVE	2	Removed	12/31/1964	111 TO 1,100 Gallons	A Leaded Gasoline
X	93973477	7175	COMMUTER CENTRE PARKING	801-809 WESTERN AVE	7	Removed	1/10/1960	111 TO 1,100 Gallons	G Used Oil/Waste Oil
X	93973477	7175	COMMUTER CENTRE PARKING	801-809 WESTERN AVE	3	Removed	12/31/1964	111 TO 1,100 Gallons	B Unleaded Gasoline
X	93973477	7175	COMMUTER CENTRE PARKING	801-809 WESTERN AVE	1	Removed	12/31/1964	111 TO 1,100 Gallons	A Leaded Gasoline
X	93973477	7175	COMMUTER CENTRE PARKING	801-809 WESTERN AVE	4	Removed	12/31/1964	111 TO 1,100 Gallons	A Leaded Gasoline
X	98147489	101761	TURNER & PEASE CO	809 WESTERN	2	Removed	12/31/1964	111 TO 1,100 Gallons	A Leaded Gasoline
X	98147489	101761	TURNER & PEASE CO	809 WESTERN	1	Removed	12/31/1964	111 TO 1,100 Gallons	A Leaded Gasoline
	2243	3736	SEATTLE STEAM CORPORATION	1319 WESTERN AVENUE	STORAGE	Exempt	12/31/1964		H Heating Fuel
	10733774	9996	1200 THIRD AVE CO 070294	1200 3RD AVE	7-POWER	Closed in Place	1/1/1966		F Kerosene
	10733774	9996	1200 THIRD AVE CO 070294	1200 3RD AVE	4-POWER	Closed in Place	1/1/1953		F Kerosene
	10733774	9996	1200 THIRD AVE CO 070294	1200 3RD AVE	6-POWER	Closed in Place	1/1/1953	111 TO 1,100 Gallons	F Kerosene
	19537471	101781	SEATTLE PARKING GARAGE	74 S JACKSON ST	2	Closed in Place	1/1/1965	111 TO 1,100 Gallons	A Leaded Gasoline

Table 4 Regulated Underground Storage Tanks								
FSID	RUST_UST_ID	SITE NAME	SITE ADDRESS	TANK #	STATUS	DATE	CAPACITY	SUBSTANCE
	1365899	3732	SECOND AND UNION PARKADE	1400 2ND AVE	1	Removed	1/1/1969	A Leaded Gasoline
	1365899	3732	SECOND AND UNION PARKADE	1400 2ND AVE	2	Removed	1/1/1969	B Unleaded Gasoline
	1817389	11515	AMPCO PARKING WASHINGTON BLD	315 UNION ST	1.SUPER	Removed	12/31/1964	B Unleaded Gasoline
	1817389	11515	AMPCO PARKING WASHINGTON BLD	315 UNION ST	2.REGUL	Removed	12/31/1964	B Unleaded Gasoline
	5741946	4304	KENNEDY HOTEL GARAGE	1100 5TH AVE	1	Removed	1/1/1982	5,000 to 9,999 Gallons
	6581764	486512	KING ST CENTER	201 S JACKSON	T2	Removed	1/1/1900	
	6581764	486512	KING ST CENTER	201 S JACKSON	T1	Removed	1/1/1900	
	9446441	489228	KINGDOM-SOUT PARKING LOT	SEATTLE TIDE LANDS	KNG-2	Removed	8/15/1968	10,000 to 19,999 Gallons
	10733774	9996	1200 THIRD AVE CO 070294	1200 3RD AVE	3-POWER	Removed	1/1/1949	F Kerosene
	10733774	9996	1200 THIRD AVE CO 070294	1200 3RD AVE	5-POWER	Removed	1/1/1942	F Kerosene
	11622841	8907	TRUCK CENTER CORPORATION	600-22 S 5TH	1	Removed	12/31/1964	G Used Oil/Waste Oil
	12823676	562050	YESLER BUILDING KING CO	400 YESLER WAY	1	Removed	1/1/1900	B Unleaded Gasoline
	14529957	486165	BURLINGTON NORTHERN SANTA FE	201 S KING ST	1	Removed	1/1/1900	10,000 to 19,999 Gallons
	19355631	9976	1101 4TH AVE CO 070139	1101 4TH	1 STNDY	Removed	1/1/1967	F Kerosene
	23158691	3795	ALASKA HYDRO TRAIN GEAR LOCKER	1810 13TH AVE S W HARBOR	#2	Removed	12/31/1964	B Unleaded Gasoline
	23158691	3795	ALASKA HYDRO TRAIN GEAR LOCKER	1810 13TH AVE S W HARBOR	#1	Removed	12/31/1964	A Leaded Gasoline
	23193699	10060	SEATTLE OLYMPIC GARAGE	415 SENECA	4	Removed	12/31/1964	G Used Oil/Waste Oil
	23193699	10060	SEATTLE OLYMPIC GARAGE	415 SENECA	3	Removed	12/31/1964	A Leaded Gasoline
	23193699	10060	SEATTLE OLYMPIC GARAGE	415 SENECA	1	Removed	12/31/1964	B Unleaded Gasoline
	23193699	10060	SEATTLE OLYMPIC GARAGE	415 SENECA	2	Removed	12/31/1964	B Unleaded Gasoline
	24388967	491176	83 KING STREET BUILDING	83 KING ST	1	Removed	1/1/1900	5,000 to 9,999 Gallons
	28433214	6825	HOSPITAL EMERGENCY GENERATOR	1705 NE PACIFIC ST	12	Removed	12/31/1964	5,000 to 9,999 Gallons
	29259582	12048	HELIPARKER GARAGE	95 UNION ST	1	Removed	12/31/1964	111 TO 1,100 Gallons
	29259582	12048	HELIPARKER GARAGE	95 UNION ST	3	Removed	12/31/1964	111 TO 1,100 Gallons
	29259582	12048	HELIPARKER GARAGE	95 UNION ST	4	Removed	1/1/2001	111 TO 1,100 Gallons
	29259582	12048	HELIPARKER GARAGE	95 UNION ST	2	Removed	12/31/1964	111 TO 1,100 Gallons
	39213232	200032	SEATTLE TOWER	313 SEATTLE TOWER	2	Removed	2/6/1978	
	39213232	200032	SEATTLE TOWER	313 SEATTLE TOWER	1	Removed	2/6/1978	
	41668943	6268	TERMINAL 37	1201 ALASKAN WAY S	T37D	Removed	7/3/1993	5,000 to 9,999 Gallons
	41668943	6268	TERMINAL 37	1201 ALASKAN WAY S	T-37B	Removed	1/1/1978	
	41668943	6268	TERMINAL 37	1201 ALASKAN WAY S	T-37A	Removed	1/1/1975	
	41668943	6268	TERMINAL 37	1201 ALASKAN WAY S	T37D	Removed	7/3/1993	5,000 to 9,999 Gallons
	43678962	479643	KING COUNTY COURTHOUSE	516 3RD AVE	COURTH	Removed	1/1/1967	5,000 to 9,999 Gallons
	51149282	485805	SERVICE STATION	1200 1ST AVE SOUTH	T2	Removed	1/1/1900	
	51149282	485805	SERVICE STATION	1200 1ST AVE SOUTH	T6	Removed	1/1/1900	1,101 to 2,000 Gallons
	51149282	485805	SERVICE STATION	1200 1ST AVE SOUTH	T4	Removed	1/1/1900	2,001 to 4,999 Gallons
	51149282	485805	SERVICE STATION	1200 1ST AVE SOUTH	T1	Removed	1/1/1900	
	51149282	485805	SERVICE STATION	1200 1ST AVE SOUTH	T3	Removed	1/1/1964	1,101 to 2,000 Gallons
	51149282	485805	SERVICE STATION	1200 1ST AVE SOUTH	T5	Removed	1/1/1900	
	51931494	200574	WA DOT 1205 6TH AVE S SEATTLE	1205 6TH AVE S	1	Removed	1/1/1900	
	51931494	200574	WA DOT 1205 6TH AVE S SEATTLE	1205 6TH AVE S	2	Removed	1/1/1900	
	53629686	10479	CSHV 1600 7TH AVENUE LLC	1600 7TH AVE STE 1800	5 STAND	Removed	1/1/1973	5,000 to 9,999 Gallons
								D Diesel

Table 4 Regulated Underground Storage Tanks									
within 1,000	FSID	RUST_UST_ID	SITE NAME	SITE ADDRESS	TANK #	STATUS	DATE	CAPACITY	SUBSTANCE
	53629686	10479	CSHV 1600 7TH AVENUE LLC	1600 7TH AVE STE 1800	4 STAND	Removed	1/1/1973	5,000 to 9,999 Gallons	D Diesel
	56494947	4152	SEATTLE SHERATON HOTEL & TOWEL	1400 6TH AVE	4	Removed	1/1/2001	2,001 to 4,999 Gallons	M Bunker C
	56494947	4152	SEATTLE SHERATON HOTEL & TOWEL	1400 6TH AVE	3	Removed	1/1/2001	1,101 to 2,000 Gallons	M Bunker C
	56494947	4152	SEATTLE SHERATON HOTEL & TOWEL	1400 6TH AVE	TANK #1	Removed	12/31/1964	111 TO 1,100 Gallons	D Diesel
	56494947	4152	SEATTLE SHERATON HOTEL & TOWEL	1400 6TH AVE	1	Removed	1/1/2001	2,001 to 4,999 Gallons	M Bunker C
	56494947	4152	SEATTLE SHERATON HOTEL & TOWEL	1400 6TH AVE	2	Removed	1/1/2001	2,001 to 4,999 Gallons	M Bunker C
	56494947	4152	SEATTLE SHERATON HOTEL & TOWEL	1400 6TH AVE	5	Removed	1/1/2001	2,001 to 4,999 Gallons	M Bunker C
	63279375	7924	SEATTLE POLICE DEPT 18	612 5TH AVE	SPD18-1	Removed	1/1/1974	10,000 to 19,999 Gallons	B Unleaded Gasoline
	63685973	102361	KINGDOME	201 S KING ST	NR-2	Removed	1/1/1900		B Unleaded Gasoline
	63685973	102361	KINGDOME	201 S KING ST	UNLEADED	Removed	9/26/1979		B Unleaded Gasoline
	63685973	102361	KINGDOME	201 S KING ST	NR-1	Removed	1/1/1900		D Diesel
	63685973	102361	KINGDOME	201 S KING ST	1	Removed	12/31/1964	10,000 to 19,999 Gallons	D Diesel
	63685973	102361	KINGDOME	201 S KING ST	EMERGENCY	Removed	9/26/1979		D Diesel
	64471169	101599	BRIDGE 4 SIGNAL SHOP	BRIDGE 4	BA45#1	Removed	12/31/1964	1,101 to 2,000 Gallons	M Bunker C
	64471169	101599	BRIDGE 4 SIGNAL SHOP	BRIDGE 4	BA45#2	Removed	12/31/1964	111 TO 1,100 Gallons	A Leaded Gasoline
	65657666	200775	WASHINGTON ATHLETIC CLUB	6TH & UNION (SOUTH CORNER)	6	Removed	12/31/1964	111 TO 1,100 Gallons	H Heating Fuel
	65657666	200775	WASHINGTON ATHLETIC CLUB	6TH & UNION (SOUTH CORNER)	3	Removed	1/1/1900	2,001 to 4,999 Gallons	A Leaded Gasoline
	65657666	200775	WASHINGTON ATHLETIC CLUB	6TH & UNION (SOUTH CORNER)	5	Removed	1/1/1900		A Leaded Gasoline
	65657666	200775	WASHINGTON ATHLETIC CLUB	6TH & UNION (SOUTH CORNER)	4	Removed	1/1/1900		A Leaded Gasoline
	65657666	200775	WASHINGTON ATHLETIC CLUB	6TH & UNION (SOUTH CORNER)	2	Removed	1/1/1964		A Leaded Gasoline
	65657666	200775	WASHINGTON ATHLETIC CLUB	6TH & UNION (SOUTH CORNER)	1	Removed	1/1/1964		A Leaded Gasoline
	65657666	200775	WASHINGTON ATHLETIC CLUB	6TH & UNION (SOUTH CORNER)	7	Removed	1/1/1900	2,001 to 4,999 Gallons	A Leaded Gasoline
	66936965	8456	UNOCAL 5475	500 S JACKSON	1	Removed	12/31/1964		B Unleaded Gasoline
	66936965	8456	UNOCAL 5475	500 S JACKSON	2	Removed	12/31/1964		A Leaded Gasoline
	66936965	8456	UNOCAL 5475	500 S JACKSON	4	Removed	12/31/1964	111 TO 1,100 Gallons	G Used Oil/Waste Oil
	67322158	5476	KING COUNTY FACILITIES	500 4TH AVE	ADMIN	Removed	1/1/1968	2,001 to 4,999 Gallons	D Diesel
	73543935	11516	AMPCO PARKING IBM	507 UNIVERSITY	1SUPER	Removed	1/1/1964	2,001 to 4,999 Gallons	B Unleaded Gasoline
	73543935	11516	AMPCO PARKING IBM	507 UNIVERSITY	2REGULAR	Removed	1/1/1964	2,001 to 4,999 Gallons	B Unleaded Gasoline
	80378741	491385	TOSHIRO KAPLAN BUILDING	119 PREFONTAINE PLACE SOUTH	1	Removed	1/1/1900		A Leaded Gasoline
	81551293	8165	4TH & COLUMBIA PARKING	723 4TH AVE	1	Removed	8/1/1974	111 TO 1,100 Gallons	B Unleaded Gasoline
	81551293	8165	4TH & COLUMBIA PARKING	723 4TH AVE	2	Removed	1/1/1973	1,101 to 2,000 Gallons	B Unleaded Gasoline
	84854685	10061	1001 4TH AVENUE PLAZA GARAGE	310 MADISON ST	4	Removed	12/31/1964		G Used Oil/Waste Oil
	96181583	102260	NORTH POINTE ON LAKE UNION	34TH N & N MERIDIAN	1	Removed	12/31/1964		A Leaded Gasoline
	99728255	6269	TERMINAL 46	401 ALASKAN WAY SOUTH	T-46A	Removed	12/31/1964	5,000 to 9,999 Gallons	D Diesel
	99728255	6269	TERMINAL 46	401 ALASKAN WAY SOUTH	T-46B	Removed	12/31/1964	5,000 to 9,999 Gallons	D Diesel
	99728255	6269	TERMINAL 46	401 ALASKAN WAY SOUTH	T-46G	Removed	3/26/1992	5,000 to 9,999 Gallons	D Diesel
	99728255	6269	TERMINAL 46	401 ALASKAN WAY SOUTH	T-46G	Removed	3/26/1992	5,000 to 9,999 Gallons	B Unleaded Gasoline
	6989544	206632	LASALLE PARTNERS PROPERTY	6TH AVE & CHERRY	UNKNOWN	Unknown	1/1/2001		
	15856998	11523	JOHN JONES & AMPCO PARKING JONES	1331 3RD AVE	1 UNLEADED	Unknown	12/31/1964	111 TO 1,100 Gallons	B Unleaded Gasoline

Table 5 City Permitted Tanks within 1000 feet							
UST_CAR D NO	STATUS_1	SITE_ADDRESS	TANK_LOCATION	BILLING_NAME	TANK_SIZE	TANK_CON TENTS	NUMBER_OF TANKS
9A	ACTIVE	515 2ND AVE	2ND AVENUE BETWEEN YESLER WY AND JAMES ST	AMPCO PARKING	ONE 6000 GALLON, ONE 5000 GALLON, AND ONE 2000 GALLON GAS TANKS AND ONE 550 GALLON WASTE OIL (REMOVED?)	GAS & WASTE OIL	3
16	UNKNOWN	1015 3RD AV	ALLEY BETWEEN 2ND & 3RD AVES, 50' NORTH OF MADISON ST	CITY LIGHT	550 GALLON	GAS	1
151A	UNKNOWN	706 1ST AV	SOUTH SIDE OF COLUMBIA ST, EAST OF 1ST AV	THE BANK OF CALIFORNIA	TWO 1000 GALLON	GAS	2
259	REMOVED	1000 2ND AV	SOUTH SIDE OF SPRING ST, EAST OF 2ND AV (FORMERLY ADDRESSED AT 211 SPRING ST)	CHG INTERNATIONAL	TWO 1000 GAL	GAS	2
204A	REMOVED	1001 4TH AV	NORTH SIDE OF MADISON ST, EAST OF 3RD AV	1001 FOURTH AVENUE ASSOC.	1000 GALLON	WASTE OIL	1
21A	REMOVED	1001 4TH AV	3RD AV, NORTH OF MADISON ST AND ONE TANK IN MADISON ST, EAST OF 3RD AV	SEAFO, INC	ONE 3000 GALLON, ONE 6000 GALLON, AND ONE 7500 GALLON GAS TANKS AND ONE 1000 GALLON WASTE OIL	GAS AND WASTE OIL	4
295	REMOVED	1008 WESTERN AV	EAST SIDE OF WESTERN AV, NORTH OF MADISON ST (FORMERLY ADDRESSED AT 1010-1012 WESTERN AV)	HARBOR PROPERTIES	TWO 1000 GALLON	GAS	2
260	REMOVED	1015 2ND AV	SOUTH SIDE OF SPRING ST, WEST OF 2ND AV	FEDERAL RESERVE BANK	1000 GALLON	GAS	1
226	REMOVED	102 OCCIDENTAL AV S	WEST SIDE OF ALLEY BETWEEN OCCIDENTAL AV S & 2ND AV ET S, 90' SOUTH OF YESLER WY	CHARLES & IRVING BADERMANE	250 GALLON	GAS	1
149	REMOVED	213 CHERRY ST	SOUTH SIDE OF CHERRY ST, 25' EAST OF ALLEY BETWEEN 2ND & 3RD AVE	REPUBLIC PARKING NW		GAS	2
127	REMOVED	401 ALASKAN WY S	ALASKAN WY S (FORMERLY ADDRESSED AT 111 ALASKAN WY)	WSDOT-FERRY TERMINAL	1000 GALLON	GAS	1
189	REMOVED	601 2ND AV	NORTH SIDE OF JAMES ST, EAST OF ALLEY BETWEEN 1ST & 2ND AVES (FORMERLY ADDRESSED AT 114 JAMES ST)	SAM ISRAEL LIVING TRUST	TWO 1300 GALLON	GAS	2
151X	REMOVED	61 COLUMBIA ST	NORTH SIDE OF COLUMBIA ST, 20' WEST OF WESTERN AV (FORMERLY ADDRESSED AT 801 WESTERN AV)	MUTUAL CREAMERY CO		GAS	3
294	REMOVED	61 COLUMBIA ST	WEST SIDE OF WESTERN AV, SOUTH OF COLUMBIA ST (FORMERLY ADDRESSED AT 623 WESTERN AV)	HAROLD THOMPSON	TWO 1000 GALLON	GAS	2
299XX	REMOVED	619 WESTERN AV	WEST SIDE OF WESTERN AV, 60' NORTH OF YESLER WY (FORMERLY ADDRESSED AT 601 WESTERN AV)	PIONEER SERVICE STATION		GAS	1
1B	REMOVED	706 1ST AV	EAST SIDE OF 1ST AV, SOUTH OF COLUMBIA ST (FORMERLY ADDRESSED AT 706-720 1ST AV)	THE BANK OF CALIFORNIA		GAS	2
152	REMOVED	711 2ND AV	SOUTH SIDE OF COLUMBIA ST, EAST OF 1ST AV (FORMERLY ADDRESSED AT 115 COLUMBIA ST)	MARTIN SELIG	ONE 550 GALLON AND ONE 1000 GALLON	GAS	2

Table 5 City Permitted Tanks within 1000 feet						
UST_CAR D NO	STATUS_1	SITE_ADDRESS	TANK_LOCATION	BILLING_NAME	TANK_SIZE	TANK_CON TENTS
1A	REMOVED	800 1ST AV	EAST SIDE OF 1ST AV, 100' NORTH OF COLUMBIA ST	NORTON BUILDING GARAGE, INC	ONE 1000 GALLON & ONE 2000 GALLON	GAS
237-239	REMOVED	801 1ST AV	EAST SIDE OF POST AV, BETWEEN SPRING & MADISON ST, AND ONE TANK IN SPRING ST, EAST OF POST AV	CORNERSTONE DEVELOPMENT CO	FIVE 2000 GAL, ONE 1450 GAL, TWO 550 GAL AND ONE 1000 GAL	GAS
153	REMOVED	801 3RD AV	NORTH SIDE OF COLUMBIA ST, EAST OF 2ND AV	SEATTLE FIRST NATIONAL BANK	TWO 7 BBL TANKS	GAS
292	REMOVED	815 WESTERN AV	WEST SIDE OF WESTERN AV, NORTH OF COLUMBIA ST (FORMERLY ADDRESSED AT 809 WESTERN AV)	JOHN FRANKIE	ONE 1000 GALLON	GAS
151	REMOVED	815 WESTERN AV	NORTH SIDE OF COLUMBIA ST, WEST OF WESTERN AV, AND WEST SIDE OF WESTERN AV (FORMERLY ADDRESSED AT 809 WESTERN AV)	ROBERT WILMOT & WALLACE TH	THREE 1000 GALLON, THREE 550 GL GAS TANKS AND ONE 280 GL WASTE OIL	GAS AND WASTE OIL
294A	REMOVED	815 WESTERN AV	EAST SIDE OF WESTERN AV, SOUTH OF MARION ST (FORMERLY ADDRESSED AT 812 WESTERN AV)	COLMAN BUILDING CO		GAS
293	REMOVED	815 WESTERN AV	WEST SIDE OF WESTERN AV, NORTH OF COLUMBIA ST (FORMERLY ADDRESSED AT 807-811 WESTERN AV)	WALLACE THRONSON & ROBERT WILMOT		GAS
239X	REMOVED	909 1ST AV	VACATED PORTION OF POST AV, 30' SOUTH OF MADISON ST	R.C. POORE		GAS
296	REMOVED	909 1ST AV	EAST SIDE OF WESTERN AV, 80' NORTH OF MARION ST	GENERAL SERVICES ADMIN	1000 GALLON	GAS
16	UNKNOWN	1015 3RD AV	ALLEY BETWEEN 2ND & 3RD AVES, 50' NORTH OF MADISON ST	CITY LIGHT	550 GALLON	GAS
151A	UNKNOWN	706 1ST AV	SOUTH SIDE OF COLUMBIA ST, EAST OF 1ST AV	THE BANK OF CALIFORNIA	TWO 1000 GALLON	GAS

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ESA-Listed Marine Mammals

NOAA Fisheries has listed 22 species of marine mammals under the Endangered Species Act, where 8 of those species are from the West Coast. We manage 7 different species of cetaceans (listed below) and Guadalupe fur seals. NOAA Fisheries' [Alaska Region](#) manages Steller sea lions. The Alaska Fisheries Science Center's [Marine Mammal Laboratory](#) does research on Steller sea lions.

- [Blue Whales](#)
- [Fin Whales](#)
- [Guadalupe Fur Seals](#)
- [Humpback Whales](#)
- [Northern Pacific Right Whales](#)
- [Sei Whales](#)
- [Southern Resident Killer Whales](#)
- [Sperm Whales](#)
- [Steller Seal Lions](#) * change in status, *delisted* as of December 2013

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West Coast Region Home » Sea Turtles



ESA-Listed Marine Turtles

Under the jurisdiction of NOAA Fisheries that may occur off Washington, Oregon, & California:

- **leatherback sea turtle** (*Dermochelys coriacea*), endangered
- **green sea turtle** (*Chelonia mydas*), endangered
- **olive ridley sea turtle** (*Lepidochelys olivacea*), endangered
- **loggerhead sea turtle** (*Caretta caretta*), threatened

We share jurisdiction of marine turtles with the U.S. Fish & Wildlife Service. Sightings and strandings of ESA-listed turtles in the region are rare, and there are no breeding beaches in Washington and Oregon.

To report a dead, injured or stranded sea turtle, please call: **1-866-767-6114**

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Other ESA-Listed Species

Under the jurisdiction of NOAA Fisheries that may occur off the West Coast Region:

- **Black Abalone** (*Haliotis cracherodii*), throughout its range, endangered
- **White Abalone** (*Haliotis sorenseni*), throughout its range (California and Mexico),endangered
- Puget Sound distinct population segment, or DPS, of **bocaccio** (*Sebastes paucispinis*), endangered
- Puget Sound distinct population segment, or DPS, of **canary rockfish** (*Sebastes pinniger*), threatened
- Puget Sound distinct population segment, or DPS, of **yelloweye rockfish** (*Sebastes ruberrimus*), threatened
- Southern distinct population segment, or DPS, of **eulachon (Columbia River smelt)** (*Thaleichthys pacificus*), threatened
- Southern distinct population segment, or DPS, of **North American green sturgeon** (*Acipenser medirostris*), threatened

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Status of ESA Listings & Critical Habitat Designations for West Coast Salmon & Steelhead

PUGET SOUND DOMAIN

- Puget Sound Chinook (T) [FCH 9/2/05]
- Hood Canal Summer Chum (T) [FCH 9/2/05]
- Ozette Lake Sockeye (T) [FCH 9/2/05]
- Puget Sound Steelhead (T) [CH under dev.; ANPR 1/10/11]

WILLAMETTE/LOWER COLUMBIA DOMAIN

- Columbia River Chum (T) [FCH 9/2/05]
- Lower Columbia River Coho (T) [CH Under dev.; ANPR 1/10/11]
- Lower Columbia River Chinook (T) [FCH 9/2/05]
- Lower Columbia River Steelhead (T) [FCH 9/2/05]
- Upper Willamette River Chinook (T) [FCH 9/2/05]
- Upper Willamette River Steelhead (T) [FCH 9/2/05]

OREGON COAST DOMAIN

- Oregon Coast Coho (T) [FCH 2/11/08]

SOUTHERN OREGON/NORTHERN CALIFORNIA COAST DOMAIN

- Southern Oregon/Northern California Coast Coho (T) [FCH 5/5/99]

CENTRAL VALLEY DOMAIN

- Sacramento River Winter Chinook (E) [FCH 6/16/93]
- Central Valley Spring Chinook (T) [FCH 9/2/05]
- Central Valley Steelhead (T) [FCH 9/2/05]

INTERIOR COLUMBIA DOMAIN

- Snake River Sockeye (E) [FCH 12/28/93]
- Snake River Fall Chinook (T) [FCH 12/28/93]
- Snake River Spring/Summer Chinook (T) [FCH 12/28/93; 10/25/99]
- Snake River Steelhead (T) [FCH 9/2/05]
- Upper Columbia River Spring Chinook (E) [FCH 9/2/05]
- Upper Columbia River Steelhead (T) [FCH 9/2/05]
- Middle Columbia River Steelhead (T) [FCH 9/2/05]

CRITICAL HABITAT RULES CITED

- 6/16/93 (58 FR 33212) Final CHD for Sacramento River Winter-run Chinook
- 12/28/93 (58 FR 68543) Final CHD for Snake River Chinook and Sockeye
- 5/5/99 (64 FR 24049) Final CHD for Central CA Coast and SONCC Coho
- 10/25/99 (64 FR 57399) Revised CHD for Snake River Spring/Summer Chinook
- 9/2/05 (70 FR 52630) Final CHD for 12 ESUs of Salmon and Steelhead
- 2/11/08 (73 FR 7816) Final CHD for Oregon Coast Coho
- 1/10/11 (76 FR 1392) Advance Notice of Proposed Rulemaking; CHDs for Lower Columbia Coho and Puget Sound Steelhead

LEGEND

- (E) Endangered
- (T) Threatened
- (FCH) Final Critical Habitat Designated



Domain Overlap

NORTH-CENTRAL CALIFORNIA COAST DOMAIN

- Central California Coast Coho (E) [FCH 5/5/99]
- California Coastal Chinook (T) [FCH 9/2/05]
- Northern California Steelhead (T) [FCH 9/2/05]
- Central California Coast Steelhead (T) [FCH 9/2/05]

SOUTH-CENTRAL/SOUTHERN CALIFORNIA COAST DOMAIN

- South-Central California Coast Steelhead (T) [FCH 9/2/05]
- Southern California Coast Steelhead (E) [FCH 9/2/05]

0 100 200 Miles

Updated 10-31-12