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Lower Duwamish Waterway
Early Action Area 7
Table 1: Identified Facilities of Potential Concern

Facility Name	Facility Physical Address	Facility Mailing Address	Facility Phone Number	Facility Owner Name, Title, and Contact Information	Facility Operator Name, Title, and Contact Information	Property Owner (if different from Facility Owner/Operator) Name, Address, and Phone Number (King County tax assessor)	Regulatory Contact
Affordable Auto Wrecking	9802 Martin Luther King Jr Way South, Seattle, WA 98118	9802 Martin Luther King Jr Way South, Seattle, WA 98118	206-723-9820	Ronald Settergren	Ronald Settergren, Cognizant Official 206-723-9820	Corky Morris LLC and Ronald and Carol Settegren	
Arco Gas Station	9840 Martin Luther King Jr. Way South, Seattle, WA 98118. Note: Also shown as 9830 Martin Luther King Jr. Way South, Seattle, WA 98118 in Ecology online databases	9840 Martin Luther King Jr. Way South, Seattle, WA 98118. Note: Also shown as 9830 Martin Luther King Jr. Way South, Seattle, WA 98118 in Ecology online databases	206-722-4188	Peter Eastey, Jack's Auto Parts Inc. 9423 Martin Luther King Jr. Way South, Seattle WA 98118	Peter Eastey, Jack's Auto Parts Inc. 9423 Martin Luther King Jr. Way South, Seattle WA 98118	Estate of John Kline Eastey	
Associated Grocers Inc Seattle	3301 South Norfolk Street, Seattle, WA 98168	3301 South Norfolk Street, Seattle, WA 98168	206-762-2100	Associated Grocers Inc . President and Chief Executive Officer, John Runyan	David McDonald, Cognizant Official 206-764-7627	Sea-Tuk Warehouse LLC	Richard W Newton II P.O. Box 3763 3301 South Norfolk Street 206-647-7802
Boeing Developmental Center	9725 East Marginal Way South, Tukwila, WA 98108	The Boeing Company, P.O. Box 3707,MS 4H-26, Seattle, WA 98124	206-679-0433	Boeing Commercial Airplane Group P.O. Box 9707 MS 5R-14, Seattle, WA 98124 and The Boeing Company Office of the General Council 100 N Riverside Chicago, Il 60606	Integrated Defense and Space Division (IDS) of the Boeing Space Company P.O. Box 3707 M/C 80-RX	The Boeing Comany P.O. Box 3707, Seattle, WA 98124	Enviromental contact, James Bet (206) 679-0433 Cindy Naucler, General Contact 206-773-8571
Boeing Military Flight Center	10002 East Marginal Way South, Seattle, WA	P.O. Box 3707 MC 46-23, Seattle, WA 98124	206-679-0433	Boeing Commercial Airplane Group P.O. Box 9707 MS 5R-14, Seattle, WA 98124	Integrated Defense and Space Division (IDS) of the Boeing Space Company	The Boeing Company P.O. Box 3707, Seattle, WA 98124	Enviromental contact, James Bet (206) 679-0433Thomas D. Gallacher, regulatory contact and cognizant official P.O. Box 3707 MC 46-23 Seattle, WA 98124 206-544-1230
King Co. International Airport (Boeing Field)	7277 Perimeter Rd South, Seattle, WA 98108. Note, also listed as 6505 Perimeter Road South, Seattle	P.O. Box 80245, 7277 Perimeter Rd South, Seattle, WA 98108	206-296-7380	Department of Construction and Facilities Management P.O. Box 80245 Seattle, WA 98108	Operations and Compliance, 206-296-7334 7299 Perimeter Rd S	King County	Rick Renaud (206) 296-7427
Northwest Auto Wrecking	10230 East Marginal Way South, Tukwila, WA 98188	10230 East Marginal Way South, Tukwila, WA 98188	206-762-0220	Northwest Auto Wrecking Company , Jerry Haapla	Herb Pierce, Cognizant Official 425-201-6848		

Lower Duwamish Waterway
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Table 2: Chemicals of Potential Concern in EAA-7 Sediment

Source	Sample Location	Chemical	Concentration	TOC mg/kg DW	SQS	CSL	LAET	2LAET	Units
KC DNR, 1999	NFK501	2,4-Dimethylphenol	<MDL (35)	1,760	29	29			µg/kg DW
	NFK502	2,4-Dimethylphenol	<MDL (35)	1,210	29	29			µg/kg DW
	NFK503	2,4-Dimethylphenol	<MDL (35)	3,180	29	29			µg/kg DW
	NFK504	2,4-Dimethylphenol	<MDL (35)	1,260	29	29			µg/kg DW
	NFK502	2-Methylnaphthalene	<MDL (46)	1,210	38	64			mg/kg OC
	NFK502	2-Methylnaphthalene	<MDL (56)	1,210			670	1,400	µg/kg DW
	NFK504	2-Methylnaphthalene	<MDL (44)	1,260	38	64			mg/kg OC
	NFK504	2-Methylnaphthalene	<MDL (55)	1,260			670	1,400	µg/kg DW
	NFK502	Benzo(g,h,i)perylene	62.6	1,210	31	78			mg/kg OC
	NFK502	Benzo(g,h,i)perylene	75.7	1,210			670	720	µg/kg DW
	NFK504	Benzo(g,h,i)perylene	56	1,260	31	78			mg/kg OC
	NFK504	Benzo(g,h,i)perylene	70.5	1,260			670	720	µg/kg DW
	NFK501	Dibenzo(a,h)anthracene	<MDL (32)	1,760	12	33			mg/kg OC
	NFK501	Dibenzo(a,h)anthracene	<MDL (56)	1,760			230	540	µg/kg DW
	NFK502	Dibenzo(a,h)anthracene	<MDL (46)	1,210	12	33			mg/kg OC
	NFK502	Dibenzo(a,h)anthracene	<MDL (56)	1,210			230	540	µg/kg DW
	NFK503	Dibenzo(a,h)anthracene	<MDL (18)	3,180	12	33			mg/kg OC
	NFK503	Dibenzo(a,h)anthracene	<MDL (56)	3,180			230	540	µg/kg DW
	NFK504	Dibenzo(a,h)anthracene	<MDL (44)	1,260	12	33			mg/kg OC
	NFK504	Dibenzo(a,h)anthracene	<MDL (55)	1,260			230	540	µg/kg DW
	NFK501	Hexachlorobenzene	<MDL (0.51)	1,760	0.38	2.3			mg/kg OC
	NFK501	Hexachlorobenzene	<MDL (0.90)	1,760			31	70	µg/kg DW
	NFK502	Hexachlorobenzene	0.80	1,210	0.38	2.3			mg/kg OC
	NFK502	Hexachlorobenzene	<MDL (0.89)	1,210			31	70	µg/kg DW
	NFK504	Hexachlorobenzene	<MDL (0.71)	1,260	0.38	2.3			mg/kg OC
	NFK504	Hexachlorobenzene	<MDL (0.89)	1,260			31	70	µg/kg DW
	NFK501	Butyl Benzyl Phthalate	<MDL (12)	1,760	4.9	64			mg/kg OC
	NFK501	Butyl Benzyl Phthalate	<MDL (21)	1,760			63	900	µg/kg DW
	NFK502	Butyl Benzyl Phthalate	<MDL (17)	1,210	4.9	64			mg/kg OC
	NFK502	Butyl Benzyl Phthalate	<MDL (21)	1,210			63	900	µg/kg DW
	NFK503	Butyl Benzyl Phthalate	<MDL (6.6)	3,180	4.9	64			mg/kg OC
	NFK503	Butyl Benzyl Phthalate	<MDL (21)	3,180			63	900	µg/kg DW
	NFK504	Butyl Benzyl Phthalate	<MDL (17)	1,260	4.9	64			mg/kg OC
	NFK504	Butyl Benzyl Phthalate	<MDL (21)	1,260			63	900	µg/kg DW
	NFK501	Dibenzofuran	<MDL (20)	1,760	15	58			mg/kg OC
	NFK501	Dibenzofuran	<MDL (35)	1,760			540	700	µg/kg DW
	NFK502	Dibenzofuran	<MDL (29)	1,210	15	58			mg/kg OC
	NFK502	Dibenzofuran	<MDL (35)	1,210			540	700	µg/kg DW
	NFK504	Dibenzofuran	<MDL (28)	1,260	15	58			mg/kg OC
	NFK504	Dibenzofuran	<MDL (35)	1,260			540	700	µg/kg DW
	NFK501	Hexachlorobutadiene	<MDL (20)	1,760	3.9	6.2			mg/kg OC
	NFK501	Hexachlorobutadiene	<MDL (35)	1,760			11	120	µg/kg DW
	NFK502	Hexachlorobutadiene	<MDL (29)	1,210	3.9	6.2			mg/kg OC
	NFK502	Hexachlorobutadiene	<MDL (35)	1,210			11	120	µg/kg DW
	NFK503	Hexachlorobutadiene	<MDL (11)	3,180	3.9	6.2			mg/kg OC
	NFK503	Hexachlorobutadiene	<MDL (35)	3,180			11	120	µg/kg DW
	NFK504	Hexachlorobutadiene	<MDL (28)	1,260	3.9	6.2			mg/kg OC
	NFK504	Hexachlorobutadiene	<MDL (35)	1,260			11	120	µg/kg DW
	NFK501	N-Nitrosodiphenylamine	<MDL (20)	1,760	11	11			mg/kg OC
	NFK501	N-Nitrosodiphenylamine	<MDL (35)	1,760			28	40	µg/kg DW
	NFK502	N-Nitrosodiphenylamine	<MDL (29)	1,210	11	11			mg/kg OC
	NFK502	N-Nitrosodiphenylamine	<MDL (35)	1,210			28	40	µg/kg DW
	NFK504	N-Nitrosodiphenylamine	<MDL (28)	1,260	11	11			mg/kg OC
	NFK504	N-Nitrosodiphenylamine	<MDL (35)	1,260			28	40	µg/kg DW
	NFK501	Total PCBs	<MDL (13)	1,760	12	65			mg/kg OC
	NFK501	Total PCBs	<MDL (22)	1,760			130	1,000	µg/kg DW
	NFK502	Total PCBs	<MDL (18)	1,210	12	65			mg/kg OC
	NFK502	Total PCBs	<MDL (22)	1,210			130	1,000	µg/kg DW
	NFK504	Total PCBs	<MDL (17)	1,260	12	65			mg/kg OC
	NFK504	Total PCBs	<MDL (22)	1,260			130	1,000	µg/kg DW
Mickelson, S., 2001	NFK501 (0-10 cm)	Butyl Benzyl Phthalate	6.63	8,670	4.9	64			mg/kg OC
	NFK501 (0-10 cm)	Butyl Benzyl Phthalate	246	8,670			1,300	1,900	µg/kg DW
	NFK502 (0-10 cm)	Butyl Benzyl Phthalate	5.03	4,990	4.9	64			mg/kg OC
	NFK502 (0-10 cm)	Butyl Benzyl Phthalate	192	4,990			1,300	1,900	µg/kg DW
	NFK502 (0-2 cm)	Total PCBs	24.8	6,510	12	65			mg/kg OC
	NFK502 (0-2 cm)	Total PCBs	161	6,510			130	1,000	µg/kg DW
	NFK 502 (0-10 cm)	Total PCBs	18.9	4,990	12	65			mg/kg OC
	NFK 502 (0-10 cm)	Total PCBs	94.1	4,990			130	1,000	µg/kg DW
	NFK503 (0-2 cm)	Total PCBs	677	2,770	12	65			mg/kg OC
	NFK503 (0-2 cm)	Total PCBs	1,880	2,770			130	1,000	µg/kg DW
	NFK503 (0-10 cm)	Total PCBs	369	3,600	12	65			mg/kg OC
	NFK503 (0-10 cm)	Total PCBs	1,330	3,600			130	1,000	µg/kg DW

Mickelson, S., 2002	NFK504 (0-2 cm)	Bis (2-ethylhexyl) Phthalate	63.3	10,800	47	78			mg/kg OC
	NFK504 (0-2 cm)	Bis (2-ethylhexyl) Phthalate	682	10,800			1,300	1,900	µg/kg DW
	NFK503 (0-10 cm)	Total PCBs	30.4	25,500	12	65			mg/kg OC
	NFK503 (0-10 cm)	Total PCBs	777	25,500			130	1,000	µg/kg DW
	NFK503 (0-2 cm)	Total PCBs	260	26,200			130	1,000	µg/kg DW
	NFK501 (0-2 cm)	Total PCBs	168	23,000			130	1,000	µg/kg DW
	NFK501 (0-10 cm)	Total PCBs	174	21,300			130	1,000	µg/kg DW
Ecology, 2003	Station 4	Total PCBs	330	23,200	12	65			mg/kg OC
	Station 5	Total PCBs	22	12,100	12	65			mg/kg OC
	Station 6	Total PCBs	16	9,200	12	65			mg/kg OC
	Station 7	Total PCBs	160	29,200	12	65			mg/kg OC
	Station 7 - duplicate	Total PCBs	230	26,100	12	65			mg/kg OC
	Station 11	Total PCBs	18	8,000	12	65			mg/kg OC
Project Performance Corporation, 2003	DNC2S3	Total PCBs	61	6,200	12	65			mg/kg OC
	CHSSS2	Total PCBs	110	22,000	12	65			mg/kg OC
	CHBMS3	Total PCBs	2,190	21,000	12	65			mg/kg OC
	CHBSS1	Total PCBs	90	22,000	12	65			mg/kg OC
Calibre Systems, 2006	SI-05	Total PCBs	22.6	15,600	12	65			mg/kg OC
	SI-05	Total PCBs	353	15,600			130	1,000	µg/kg DW

2LAET = Puget Sound second lowest apparent effects threshold
CSL = Washington State Sediment Management Standard, Sediment Impact Zone Maximum Level and Sediment Cleanup Screening Level
DW = Dry Weight Normalized
LAET = Puget Sound lowest apparent effects threshold
OC = Organic Carbon Normalized
SQS = Washington State Sediment Management Standards, Marine Sediment Quality Standard

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Table 3: Regulatory Database Listings for Identified Facilities of Potential Concern

Facility	Address	Industrial Stormwater General Permit	UST list (#UST/Status)	LUST list (#Reported Release/Status)	Hazardous Waste Facility (RCRA SITE ID)	CSCSL	NPDES and State Waste Discharge
Boeing Developmental Center	9725 East Marginal Way South, Tukwila	SO3000343D	Not Listed	Not Listed	WAD093639946 Discharge Authorization #526-04	Site ID 4581384	Not Listed
Boeing Military Flight Center	10002 East Marginal Way South, Tukwila	SO3000150D	Not Listed	Not Listed	WAD988475943 (Inactive as of 12/31/1996) Discharge Authorization #363-02	Not Listed	Not Listed
King County International Airport	7277 Perimeter Road South, Seattle	SO3000343D	5 closed	2 Reported Cleaned Up	WAD980986848 (For Airport Maintenance: 6518 Ellis Ave South) Discharge Authorization #4109-01	Not Listed	Not Listed
Associated Grocers, Inc.	3301 South Norfolk Street, Seattle	SO3002040D	2 operational	2 Cleanup Started	WAD007942535 Discharge Authorization #732-01	Site ID 73338176	Not Listed
Northwest Auto Wrecking	10230 East Marginal Way South, Tukwila	SO000961D	Not Listed	Not Listed	Not Listed	Site ID 2287	Not Listed
Affordable Auto Wrecking	9802 Martin Luther King Jr. Way South, Seattle	SO000843D	Not Listed	Not Listed	Not Listed	Site ID 7163112	Not Listed
Arco Gas Station	9840 Martin Luther King Jr. Way South, Seattle	Not Listed	26 removed	1 Cleanup Started	Not Listed	Site ID 29429665	Not Listed

Key:
NPDES: National Pollutant Discharge Elimination System
UST List: Ecology Underground Storage Tank List
LUST list: Ecology Leaking Underground Storage Tank List
CSCSL: Ecology Suspected and Confirmed Contaminated Sites List
RCRA: Resource Conservation and Recovery Act

Table 4: In-line Sediment Sampling Locations

Basin	Sample Location ID	Date	Location	Description	Sample ID
Norfolk	MH1[e]	10/01/03	Norfolk-MLK Way SD 36" outfall to ditch	Sediment from hole at buried outfall	MH1-100103-N
Norfolk	MH2[e]	10/01/03	Norfolk-MLK Way SD 36" outfall to ditch	Duplicate of MH1	MH2-100103-N
Norfolk	MH3[e]	10/01/03	MH adjacent to wash pad at 9892 40th Ave S (36")	Hyster	MH3-100103-N2
Norfolk	MH3[e]	03/16/05	MH adjacent to wash pad at 9892 40th Ave S (36")	Hyster	MH3-031605
Norfolk	MH4[e]	10/01/03	MH ML King Jr Wy S and driveway, NW corner		MH4-100103-N2
Norfolk	MH4[e]	03/16/05	MH ML King Jr Wy S and driveway, NW corner		MH4-031605
Norfolk	MH5-N2[e]	10/01/03	MH SE corner 9901 MLK Jr Way S		MH5-100103-N2
Norfolk	MH5-N3	10/01/03	Black sand/grit stored at 9901 MLK Jr Way S	Coluccio yard	MH5-100103-N3
Norfolk	MH6	10/01/03	Norfolk ditch opp. fueling pad at 9892 40th Ave S		MH6-100103-N1
Norfolk	MH7[e]	10/02/03	MH ML King Jr Wy S and S Norfolk St, NE corner		MH7-100203-N1
Norfolk	MH7[e]	03/16/05	MH ML King Jr Wy S and S Norfolk St, NE corner		MH7-031605
Norfolk	Norfolk20	09/30/04	WSDOT pond: first cell		Norfolk20-093004
Norfolk	Norfolk21	09/30/04	WSDOT pond: head of swale (at outlet SPU drain)		Norfolk21-093004

Source: SPU 2005

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Table 5
Boeing Developmental Center
SWMU-17 (Former DC-05 Waste Oil Tank) May 2006 Groundwater Sampling Results

	BDC-05-2	BDC-05-3	BDC-05-4	BDC-05-5	BDC-05-7
VOA (µg/L)					
cis-1,2-Dichloroethene	1.3	9.5	1.6	U	10
1,1,1-Trichloroethane	5.8	U	U	U	4.1
Trichloroethene	31	6.4	U	1.4	23
Tetrachloroethene	30	3.2	U	U	29
1,1-Dichloroethane	U	1.2	U	U	1.7
Total Metals (mg/L)					
Aluminum	0.1	1.66	0.09	0.95	0.73
Arsenic	0.001	0.007	0.018	0.009	0.002
Barium	0.015	0.024	0.018	0.035	0.025
Calcium	27.7	22.5	16.3	42.6	23.5
Cobalt	U	0.008	U	0.084	0.01
Copper	0.004	0.01	0.002	0.014	0.018
Iron	10.6	25.4	24	17	4.97
Lead	U	U	U	0.002	U
Magnesium	13	8.77	6.94	12.6	10.6
Molybdenum	U	U	U	0.008	U
Nickel	U	U	0.01	0.01	0.01
Zinc	U	0.009	0.008	0.042	0.006
Dissolved Metals (mg/L)					
Aluminum	U	U	U	U	0.12
Arsenic	0.001	U	U	U	U
Barium	0.012	0.008	0.006	0.01	0.011
Calcium	26.8	21.8	15.5	39.2	23.7
Cobalt	U	U	U	U	U
Copper	U	0.003	U	U	0.009
Iron	8.07	3.58	2.54	0.07	0.14
Magnesium	13.2	8.86	7	11.8	10.8
Zinc	U	U	U	0.01	U

Table 6: Summary of EAA-7 Stormwater Outfalls, Boeing Developmental Center

Name	Outfall Diameter (Inches)	Latitude (Degrees, Minutes, Seconds)	Longitude (Degrees, Minutes, Seconds)	Description
Discharge Point DC17	15	47, 30, 37	122, 17, 51	Drains a small roof portion of the southwest corner of building 9-101, half the roof of each of the 9-140 and 9-130 buildings, and the parking and driving areas around portions of these buildings.
Discharge Point DC4	8	47, 30, 47	122, 17, 51	Drains the southwest corner of the roof of building 9-140 and the pavement and planted areas around this portion of the building.
Discharge Point DC16	5	47, 30, 46	122, 17, 51	Drains a small roof portion of the southwest corner of building 9-140 and the pavement and planted areas around this part of the building.
Discharge Point DC3	6	47, 30, 46	122, 17, 49	Drains half of the roof of each of buildings 9-140 and 9-130, the parking and driving areas around each of those buildings, and a small planted employee-use park-like area.
Discharge Point DC2	24	47, 30, 45	122, 17, 48	Drains half of the roof of building 9-101, all of building 9-110, and the parking and driving areas surrounding applicable portions of those buildings.

Source: Boeing 2003a