60% Remedial Design Basis of Design Report

Appendix A
Summary of Upland Cleanup Sites and Work by Others within LDW Middle Reach

1 Introduction

This appendix documents known work by others (e.g., development, maintenance dredging, restoration activities) and information about upland cleanup projects adjacent to the RAL exceedance areas. Known upland cleanup sites include locations that are immediately adjacent to and within approximately 500 feet of the Lower Duwamish Waterway (LDW) middle reach top of bank (above approximately +11.3 feet mean lower low water). A subset of these sites are being led by the Washington State Department of Ecology (Ecology) under formal orders under the Model Toxics Control Act (MTCA).

Table A1-1 details the upland cleanup site conditions and cleanup status for all sites. The documentation is based on available information on Ecology's website (https://apps.ecology.wa.gov/neighborhood), last accessed on June 9, 2026. Cell shading is used to denote which sites are located within 500 feet of the LDW and adjacent to remedial action level (RAL) exceedance areas.

In addition to discrete cleanup sites, Ecology is responsible for conducting LDW Source Control Sufficiency evaluations and providing recommendations to the U.S. Environmental Protection Agency (EPA) about whether sources are sufficiently controlled to move forward with active in-water cleanup. Ecology plans to issue a LDW middle reach source control sufficiency evaluation report in late 2026.

Table A1-2 lists all the upland properties adjacent to the RAL exceedance areas, with the current owner and tenant, by river mile and side of the Lower Duwamish Waterway middle reach and summarizes the following:

- The current status of in-water and bank construction or restoration activities occurring adjacent to these properties based on available document sources of information, active permits, and personal communications and meetings with property owners and/or tenants
- Anticipated changes in structures and in-water, bank, and upland areas that could represent changes through remedial design completion in 2027

Attachment A.1 includes forms summarizing communications with upland property owners, as well as information gathered through these interactions and the waterway user survey. The collected input is being used to help inform and refine the design in adjacent remedial action areas.

Table A1-1
Upland Cleanup Sites Adjacent and Nearby the LDW Middle Reach

Approximate Nearest RM	Facility Site ID	Cleanup Site ID	Upland Cleanup Site Name (Sites with Formal Cleanup Orders are bolded)	Site Listed in Ecology's 2022 LDW Source Control Status Report[a] ? (Y/N)	Site Listed in Ecology's 2024 LDW Cleanup Update[b] ? (Y/N)	Ecology-Designated Cleanup Status (per Ecology's Website "What's in My Neighborhood: Toxics Cleanup")[c]	Assumed Status of MTCA Cleanup Process	Documented Upland Contaminants Above Upland CULs	Upland Environmental Data Evaluated	MTCA CULs Used	Remedial Technology Previously Implemented or Proposed for Future Implementation	References	Summary of Ecology's Cleanup Site Status and Findings (per Ecology's Website "What's in My Neighborhood: Toxics Cleanup")[d]	Known Active Environmental Permits[e]	Proximity to LDW MR RAL Exceedance Area
1.6E	2253	7380	James Hardie Gypsum	N	N	Started	NFA (Groundwater Metals Only; 2006)	**Soil:** TPH-diesel	Soil	**Soil:** Method A (Not Specified)	--	**Rank Notification Letter (second attempt),** Ecology, 08-06-2015 **SHA,** Ecology, 04-06-2015	In 1991 the James Hardie Gypsum site was reported to Ecology and placed on the LUST list. Certainteed Gypsum Manufacturing joined the VCP in 2004 and received a NFA determination in 2006 for arsenic, lead, cadmium, chromium, and mercury in groundwater from a gypsum and wallboard recycling pile formerly present at the site. Residual diesel-impacted soil is suspected to remain at the site. Five groundwater monitoring wells are present at the site. Groundwater samples have been analyzed for metals (covered under the 2006 NFA) but have not been analyzed for hydrocarbons and related substances. No information is available for two of the UST closures.		Upland cleanup site not adjacent to nor within 500 feet from the LDW MR
1.6E	2253	1392	Certainteed Gypsum Manufacturing	Y	N	NFA	NFA (2006)	**Soil:** Metals (arsenic, lead, cadmium, chromium, mercury)	Soil, Groundwater	--	--	**VCP Opinion on Site Cleanup – Further Action,** Ecology, 02-21-2006	Based on the 2006 VCP Opinion on Cleanup Action review, Ecology determined no further remedial action is necessary at the site under MTCA.	Ecology, Industrial SW GP No. WAR000056	Upland cleanup site not adjacent to nor within 500 feet from the LDW MR
1.5W	2177	1229	**North Terminal 115 (Northland Services and Lineage Seafreeze)**	Y	Y	Started	RI/FS WP (2013)	**Soil:** Metals (copper, lead, arsenic, mercury, zinc), cPAHs **Groundwater:** Metals (arsenic, cadmium, chromium, copper, lead, mercury, and zinc), VOCs, cPAHs, TPH	Soil, Groundwater, Stormwater	**Soil:** Method A (Residential and Industrial), Method C (Industrial) **Groundwater:** Method A	--	**WP RI/FS Port of Seattle North Terminal 115,** GeoEngineers, 05-09-2013	The Port of Seattle has conducted multiple site investigations since 1991. In 2009, the port sampled the soil, groundwater, and storm drain solids and found contaminants of concern in all three media. According to the 2013 RI/FS WP, soil, groundwater, and stormwater solids were sampled in 2013 to 2014 to support the RI.	Ecology, Industrial SW GP No. WAR000471	Upland cleanup site not adjacent to any RAL exceedance areas within the LDW MR

Approximate Nearest RM	Facility Site ID	Cleanup Site ID	Upland Cleanup Site Name (Sites with Formal Cleanup Orders are bolded)	Site Listed in Ecology's 2022 LDW Source Control Status Report[a] ? (Y/N)	Site Listed in Ecology's 2024 LDW Cleanup Update[b] ? (Y/N)	Ecology-Designated Cleanup Status (per Ecology's Website "What's in My Neighborhood: Toxics Cleanup")[c]	Assumed Status of MTCA Cleanup Process	Documented Upland Contaminants Above Upland CULs	Upland Environmental Data Evaluated	MTCA CULs Used	Remedial Technology Previously Implemented or Proposed for Future Implementation	References	Summary of Ecology's Cleanup Site Status and Findings (per Ecology's Website "What's in My Neighborhood: Toxics Cleanup")[d]	Known Active Environmental Permits[e]	Proximity to LDW MR RAL Exceedance Area
1.6–2.1W	98422914	11307	**Terminal 115 Plant 1**	Y	Y	Started	Pre-RI; NFA (Parcel A Only; 2023)	**Soil:** Metals (lead), benzene, vinyl chloride, TPH-diesel **Groundwater:** Metals (lead), benzene, vinyl chloride, TPH-diesel	Soil, Groundwater, Stormwater	**Soil/ Groundwater:** Method A (Not Specified)	UST and soil excavation (1994 to 1996)	**Terminal 115 Plant 1 Parcel A – Memorandum: NFA at Initial Investigation,** Ecology, 09-06-2023 **Terminal 115 Plant 1 Parcel A – Initial Investigation Field Report,** Ecology, 08-28-2023 **Final RI Report, Terminal 115 Plant 1 Parcel A: West Duwamish CSO Control Project,** King County, 08-18-2023 **Terminal 115 Plant 1 – Factsheet,** Ecology, 04-22-2020 **Terminal 115 Plant 1 –SHA,** Ecology, 06-08-2015 **Phase I ESA and Preliminary Phase II,** Port of Seattle, 05-16-2011	Cleanup at the site to date has included removal of visibly impacted soil and groundwater during removal of USTs between 1994 and 1996. In addition, free-phase petroleum was removed from extraction wells in the southwest portion of the site. The AO was finalized and signed in July 2020, and the cleanup process is now moving forward. In 2023, King County performed an RI at Parcel A. In August 2023, Ecology determined that Parcel A does not require cleanup action, is not considered to be a hazardous site, and it is not part of the T-115 cleanup site.	Ecology, Industrial SW GP No. WAR308432 Ecology, Industrial SW GP No. WAR000471 KCIW, Permit No. 7896-02	Upland cleanup site not adjacent to any RAL exceedance areas within the LDW MR
1.7E	95534411	11205	Lone Star Concrete NW (Glacier Northwest)	Y	N	Started	--	**Soil:** TPH-diesel	Soil and Groundwater	**Soil/ Groundwater:** Method A (Residential)	Excavation (2003); IC (secondary containment systems installed)	**Pump Island and UST Area Exploration,** G-Logics, Inc., 04-03-2003 **Cleanup Report – Pump Island Area,** G-Logics, Inc., 07-11-2003	During March 2003, petroleum-affected soil was excavated shortly after a leak was discovered from a diesel fuel dispenser. Initial groundwater and soil samples were below MTCA cleanups levels; however, follow-up confirmation soil samples exceeded CULs for TPH-diesel. A second soil excavation occurred in June 2023, and confirmatory soil samples were found to be non-detect. The July 2003 Cleanup Report determined no further assessment nor remediation was necessary.	Ecology, Sand and Gravel GP No. WAG503191 KCIW, Vehicle Washing Permit No. 510-05	Upland cleanup site not adjacent to any RAL exceedance areas within the LDW MR

Approximate Nearest RM	Facility Site ID	Cleanup Site ID	Upland Cleanup Site Name (Sites with Formal Cleanup Orders are bolded)	Site Listed in Ecology's 2022 LDW Source Control Status Report[a] ? (Y/N)	Site Listed in Ecology's 2024 LDW Cleanup Update[b] ? (Y/N)	Ecology-Designated Cleanup Status (per Ecology's Website "What's in My Neighborhood: Toxics Cleanup")[c]	Assumed Status of MTCA Cleanup Process	Documented Upland Contaminants Above Upland CULs	Upland Environmental Data Evaluated	MTCA CULs Used	Remedial Technology Previously Implemented or Proposed for Future Implementation	References	Summary of Ecology's Cleanup Site Status and Findings (per Ecology's Website "What's in My Neighborhood: Toxics Cleanup")[d]	Known Active Environmental Permits[e]	Proximity to LDW MR RAL Exceedance Area
1.9E	21945598	4146	**Duwamish Marine Center**	Y	Y	Started	RI Public Review Draft (2020); FS in Progress	**Soil:** Metals (various; arsenic and lead exceedances are wide-spread), PCBs, cPAHs, SVOCs and PAHs, and petroleum hydrocarbons **Groundwater:** Metals (various; arsenic exceedances are wide-spread and lead exceedances are consistent along the southwest portion of the Property adjacent to the LDW), PCBs, SVOCs and PAHs, cPAHs, and TPH	Soil, Groundwater, Sediment, Stormwater, Vapor Intrusion	**Soil:** Method B (Industrial) **Groundwater:** Method B, Method C	--	**Port of Seattle Sliver Property Source Control Investigation WP,** Crete Consulting, Inc., 09-24-2024 **RI Report – Public Review DRAFT,** G-Logics, Inc, 09-30-2020 **SHA,** Ecology, 01-25-2012 **Progress Report: Reporting Period January to March 2026,** Crete Consulting, Inc. 04-10-2026	After conducting Phase I and Phase II investigations, an IA was conducted in 2002 to excavate lead-contaminated soils; confirmation soil samples appears to have successfully removed all contamination during the remedial excavation. Based on the information collected up to year 2011, the AO for the site required the preparation of the 2020 RI, FS, and draft CAP. Most recently, upland source control soil sampling occurred in October 2024. Results from these investigation activities will be incorporated into an updated RI/FS report, which it is assumed to be in progress. Per discussions held during a site visit on July 10, 2025, Ecology is evaluating the need for additional upland site investigation near the shoreline. Participants generally included representatives for the property owner, EPA, USACE, Ecology and LDWG. Additional upland soil and groundwater sampling investigation concluded in April 2026.	Ecology, Industrial SW GP No. WAR125423 Ecology, Municipal NPDES IP No. WA0029181	Upland cleanup site is adjacent to RAL exceedance area(s).
1.9E	2337	1755	Franks Used Cars	N	N	Awaiting Cleanup	Pre-RI	**Soil:** Metals (cadmium, chromium VI, lead, arsenic), BTEX, PCBs	Soil, Groundwater, Stormwater	**Soil:** Method A (Not Specified), Method B	--	**Franks Used Cars – SHA,** Ecology, 06-03-2015	The site is located within the 1st Avenue Bridge Storm Drain drainage area. Stormwater at the site reportedly flows through an unlined ditch along the east side of the property and passes through a biofiltration swale before discharging to the LDW. The site is unpaved. The site was reported to Ecology in 1991, and visual evidence of oil-stained soils was reported, and an initial investigation was completed at the site. Metals (cadmium, chromium VI, lead, arsenic), BTEX constituents, and PCBs have been detected in shallow soils and test pits at concentrations above MTCA CULs. Groundwater at the site has not been fully characterized. In 1993, the site owner reportedly removed the building and waste from the site. The site owner wanted to implement site stabilization to minimize future mobilization of contaminants, as suggested by their consultant. The proposed remediation method included mixing a small amount of lime into the soil, and installing an asphalt cap. Ecology did not approve this remediation approach given the close proximity to the Duwamish River. No reports of subsequent remedial actions are currently available at Ecology.		Upland cleanup site not adjacent to any RAL exceedance areas within the LDW MR

Approximate Nearest RM	Facility Site ID	Cleanup Site ID	Upland Cleanup Site Name (Sites with Formal Cleanup Orders are bolded)	Site Listed in Ecology's 2022 LDW Source Control Status Report[a] ? (Y/N)	Site Listed in Ecology's 2024 LDW Cleanup Update[b] ? (Y/N)	Ecology-Designated Cleanup Status (per Ecology's Website "What's in My Neighborhood: Toxics Cleanup")[c]	Assumed Status of MTCA Cleanup Process	Documented Upland Contaminants Above Upland CULs	Upland Environmental Data Evaluated	MTCA CULs Used	Remedial Technology Previously Implemented or Proposed for Future Implementation	References	Summary of Ecology's Cleanup Site Status and Findings (per Ecology's Website "What's in My Neighborhood: Toxics Cleanup")[d]	Known Active Environmental Permits[e]	Proximity to LDW MR RAL Exceedance Area
2.05E	68427684	16627	Van Dyke Heavy Hauling	N	N	Started	Pre-RI	**Soil:** TPH-gasoline and benzene	Soil, Groundwater, Surface Water	**Soil:** Method A (Unrestricted Land Use), Method C (Industrial) **Groundwater:** Method A (Unrestricted Land Use), Method C (Industrial)	--	**SHARP Report,** SHARP, 02-27-2025 **ENL,** Ecology, 07-14-2022 **Initial Investigation Field Report,** Ecology, 04-21-2021 **SCAP**, [Unknown Author], 06-01-2008 **Limited Phase II ESA,** LSI Adapt, 10-21-2002	The 2002 Phase I ESA identified the historical removal of three former USTs that were removed in 1988, and soil and near-surface groundwater samples were conducted for the 2002 Limited Phase II ESA. Only one quarter of groundwater quality monitoring has occurred (in 2003); soil and groundwater samples were collected, and no exceedances were detected.The site has not been fully characterized, and the extent of contamination has not been delineated since. An Initial Investigation was completed by Ecology in 2021, and the site was subsequently listed on the Contaminated Sites List (ENL dated 07-14-2022). It is assumed that an RI is in process.		Upland cleanup site not adjacent to any RAL exceedance areas within the LDW MR
2.05E	37289288	4178	Riverside Industrial Park	Y	N	Complete	NFA (2021)	**Soil/Groundwater:** TPH, BTEX	Soil and Groundwater	**Soil/ Groundwater:** Method A (Unrestricted Land Use)	UST (1998); soil excavation (1998, 2012)	**NFA Opinion Letter,** Ecology, 05-18-2021 **Project Summary and Closure Report,** GeoDesign, 02-07-2020 **FS with Disproportionate Cost Analysis of CAPs,** Aerotech, 05-07-2014	In 2021, an NFA was issued. Ecology has determined that no further remedial action is necessary to clean up contamination at the site. Confirmation soil sample analytical results from 2012 indicated that petroleum-contaminated soil was successfully removed following soil excavation. The 2014 FS noted that the results of more than 2 years of quarterly groundwater monitoring, conducted from 2012 through 2014, demonstrated that groundwater at the property had been in compliance with MTCA CULs at the proposed points of compliance. It is assumed that this site does not have any ongoing upland sources.		Upland cleanup site not adjacent to nor within 500 feet from the LDW MR
2.05E	18382	13121	SDOT South River Street	N	N	Awaiting Cleanup	State Cleanup Process	**Soil:** Metals (arsenic and lead), cPAHs	Soil	**Soil:** Method A (Unrestricted Land Use)	--	**SHARP Report,** SHARP, 02-25-2025 **Initial Investigation Field Report,** Ecology, 06-06-2016 **Notification Email,** SDOT, 08-05-2016 **ENL,** Ecology, 09-21-2016	Soil samples were collected associated with a shoreline restoration project by SDOT in 2015. Results showed one sample exceeding the MTCA CULs. An Initial Investigation Field Report was completed by Ecology in 2016, and the site was subsequently listed on the Contaminated Sites List (ENL dated 09-21-2016). It is assumed that an RI is in process.	Ecology, Municipal SW Phase I GP, No. WAR044503	Upland cleanup site not adjacent to any RAL exceedance areas within the LDW MR
2.1W–2.2W	97573251	6967	**Douglas Management Dock**	Y	Y	Started	FS in Progress	**Soil/Groundwater:** TPH-diesel and TPH-gasoline, VOCs, SVOCs, cPAHs, PAHs, PCBs, pesticides, and metals (copper, lead, mercury and zinc)	Soil, Groundwater, Vapor Intrusion	**Soil/ Groundwater:** Method A (Unrestricted Land Use), Method B	--	**Public Review Draft Final RI,** GeoEngineers, 08-19-2019 **Final RI/FS WP,** GeoEngineers, 02-15-2013 **Final AO,** Ecology, 05-06-2011 **Initial Investigation,** Ecology, 04-18-2011	Three USTs were excavated in 1990. Confirmation soil samples and groundwater sampling conducted between 1990 and 1992 showed MTCA exceedances in both groundwater and soil. An initial investigation was completed by Ecology in 2011. The 2019 RI concluded that the existing data are sufficient to complete the RI, although some relatively minor data gaps remain for deeper contamination related to Industrial Container Services-WA, LLC. Data gaps will be addressed through the Industrial Container Services-WA RI/FS process.	KCIW, Minor Discharge Authorization No. 459-06	Upland cleanup site is adjacent to RAL exceedance area(s)

Approximate Nearest RM	Facility Site ID	Cleanup Site ID	Upland Cleanup Site Name (Sites with Formal Cleanup Orders are bolded)	Site Listed in Ecology's 2022 LDW Source Control Status Report[a] ? (Y/N)	Site Listed in Ecology's 2024 LDW Cleanup Update[b] ? (Y/N)	Ecology-Designated Cleanup Status (per Ecology's Website "What's in My Neighborhood: Toxics Cleanup")[c]	Assumed Status of MTCA Cleanup Process	Documented Upland Contaminants Above Upland CULs	Upland Environmental Data Evaluated	MTCA CULs Used	Remedial Technology Previously Implemented or Proposed for Future Implementation	References	Summary of Ecology's Cleanup Site Status and Findings (per Ecology's Website "What's in My Neighborhood: Toxics Cleanup")[d]	Known Active Environmental Permits[e]	Proximity to LDW MR RAL Exceedance Area
2.1W	2180	1324	**South Park Landfill**	Y	Y	Started	RI/FS (submitted 2017 for public comment; finalized in 2021)	**Soil:** Metals, TPH, VOCs, SVOCs, PCBs **Groundwater:** Metals (iron, manganese), TPH, SVOCs (vinyl chloride), VOCs, PCBs	Soil, Groundwater, Surface Water, Landfill Gas	**Soil:** Method A; Method C (Industrial) **Groundwater:** Method A, B, C, MCL	2018 CAP: landfill cap, landfill gas and surface water control systems, restricting future land use activities, groundwater and landfill gas monitoring	**SHARP,** Ecology, 11-07-2024 **Amended AO fact sheet,** Ecology, 11-17-2023 **2023 IA WP and Completion Report,** Herrera Environmental Consultants, Inc., 02-21-2023 **Revised Final RI/FS,** Floyd Snider, 02-12-2021 **2018 Final CAP**, Ecology, 03-26-2019 **1st Avenue South Storm Drain SCAP,** Ecology, March 2013	The South Park Landfill is a closed solid waste landfill located within the 1st Avenue South Storm Drain (RM 2.1) source control area along the west bank of the river. Potential sources of COCs to LDW sediments near RM 2.1 West include storm drain outfalls and discharges from upland properties. There are no facilities located adjacent to the LDW within the 1st Avenue South Storm Drain source control area. Transport pathways that could contribute to the recontamination of sediments within the source control area following remedial activities include direct discharges via outfalls, bank erosion, groundwater discharges, surface runoff from upland facilities to storm drain ditches and wetland areas, and air deposition. Current data indicate the landfill is not affecting the LDW, but monitoring will continue in order to confirm this. Due to the heterogeneous nature of waste, the landfill contents have not been fully characterized for specific hazardous substances during the RI, although leachate and groundwater were. Soil used as daily cover during operations and as fill during closure and post-closure activities has not been fully characterized. Soil and refuse within the contained area of the landfill are considered to be compliant with MTCA CULs as long as the requirements for containment are met. Two interim cleanup actions were conducted at the site under the AO, one between 2014 and 2015 by SPPD and another between 2018 and 2021 by the City of Seattle. Comprehensive remedial action based on the 2018 Final CAP and its amendment were set for completion in 2023, with construction expected to begin in 2024. In 2024, a public comment period on an amended AO and IA WP was held, and Ecology is in the process of reviewing the public comments received. A separate public outreach event will be held for an amended Consent Decree and associated CAP for other properties at the site.It is assumed that this site is undergoing design.		Upland cleanup site not adjacent to nor within 500 feet from the LDW MR

Approximate Nearest RM	Facility Site ID	Cleanup Site ID	Upland Cleanup Site Name (Sites with Formal Cleanup Orders are bolded)	Site Listed in Ecology's 2022 LDW Source Control Status Report[a] ? (Y/N)	Site Listed in Ecology's 2024 LDW Cleanup Update[b] ? (Y/N)	Ecology-Designated Cleanup Status (per Ecology's Website "What's in My Neighborhood: Toxics Cleanup")[c]	Assumed Status of MTCA Cleanup Process	Documented Upland Contaminants Above Upland CULs	Upland Environmental Data Evaluated	MTCA CULs Used	Remedial Technology Previously Implemented or Proposed for Future Implementation	References	Summary of Ecology's Cleanup Site Status and Findings (per Ecology's Website "What's in My Neighborhood: Toxics Cleanup")[d]	Known Active Environmental Permits[e]	Proximity to LDW MR RAL Exceedance Area
2.25E	3505	16678	**Dawn Food Products**	N	Y	Started	Agency Review Draft RI/FS (2025); RI WP (2024)	**Soil:** Metals (arsenic, cadmium, chromium, copper, lead, mercury, nickel, zinc), cPAHs **Groundwater:** Metals (arsenic, cadmium, chromium, copper, mercury, nickel, zinc), SVOCs (vinyl chloride, PCE, TCE, cis-1,2-Dichloroethene), TPH-diesel, TPH-gasoline	Soil, Groundwater, Vapor Intrusion	**Soil/ Groundwater:** Method A (Unrestricted Land Use), Method B	**Selected Remedy for IA WP:** Enhanced in situ reductive dechlorination (injection locations focus on areas with PCE and TCE detected)	**Progress Report No. 9,** Crete Consulting, 01-13-2026 **AO Amendment Letter,** Ecology, 07-24-2024 **RI WP,** Crete Consulting, 01-31-2024 **IA WP,** Crete Consulting, 06-10-2024	Soil, groundwater, and vapor data were proposed in the 2024 RI WP. RI WP field work was scheduled to start within 30 days of Ecology approval of the 2024 RI WP. Comment review is underway for the Agency Review Draft RI/FS; drafting is underway for the Public Review Draft RI/FS. It is assumed that an RI is ongoing.	Ecology, Industrial SW GP No. WAR011560	Upland cleanup site is adjacent to RAL exceedance area(s)
2.2W–2.3W	2154	62	**Industrial Container Services-WA**	Y	Y	Started	RI Public Review Draft (2020; revised 2024); FS Public Review Draft (2020; revised 2024)	**Soil:** Metals, petroleum hydrocarbons, cPAHs, PCP, DDT, dieldrin, PCBs, VOCs **Groundwater:** VOCs, SVOCs, PCBs, petroleum hydrocarbons, pesticides	Soil, Groundwater	**Soil/ Groundwater:** Method A (Industrial)	**Preferred alternatives (April 2025 Ecology Fact Sheet):** Excavation; cap, ICs; groundwater monitoring	**FS Report: Public Review Draft,** DOF, (revised 09-01-2024) **Industrial Container Services, RI/FS fact sheet,** Ecology, Revised 04-10-2025 **RI Report: Public Review Draft,** DOF, 02-17-2020 (revised 06-27-2024)	The 2025 public comment period is underway for the RI and FS. If no significant changes are made, Ecology, and then the PLPs, will finalize the documents. The CAP and a future legal agreement were scheduled to be available for review during a future public comment period. It is assumed that the site is in the CAP process.	Ecology, Industrial SW GP No. WAR044503 KCIW, Permit No. 7929-02	Upland cleanup site is adjacent to RAL exceedance area(s)
2.35E	9809	12115	Whitehead Tyee	Y	Y	Started	RI WP (2023); IA (2017; completion 2023)	**Soil/Groundwater:** TPH, PCP, VOCs (PCE), PCBs, PAHs, metals (copper, lead, mercury)	Soil, Groundwater	**Soil:** Method A (Unrestricted and Industrial), Method B	**IA:** Excavation and stormwater conveyance system	**Progress Report,** Floyd Snider, 01-15-2026 **RI WP,** Floyd Snider, 05-15-2023 **IA Completion Report,** Floyd Snider, 08-20-2020	Additional data was gathered as part of the 2023 RI to further characterize upland soil and groundwater conditions to fill existing data gaps. It is assumed that a FS is ongoing.		Upland cleanup site not adjacent to any RAL exceedance areas within the LDW MR

Approximate Nearest RM	Facility Site ID	Cleanup Site ID	Upland Cleanup Site Name (Sites with Formal Cleanup Orders are bolded)	Site Listed in Ecology's 2022 LDW Source Control Status Report[a] ? (Y/N)	Site Listed in Ecology's 2024 LDW Cleanup Update[b] ? (Y/N)	Ecology-Designated Cleanup Status (per Ecology's Website "What's in My Neighborhood: Toxics Cleanup")[c]	Assumed Status of MTCA Cleanup Process	Documented Upland Contaminants Above Upland CULs	Upland Environmental Data Evaluated	MTCA CULs Used	Remedial Technology Previously Implemented or Proposed for Future Implementation	References	Summary of Ecology's Cleanup Site Status and Findings (per Ecology's Website "What's in My Neighborhood: Toxics Cleanup")[d]	Known Active Environmental Permits[e]	Proximity to LDW MR RAL Exceedance Area
2.3E	2282	5082	**Fox Avenue Building**	Y	Y	Started	RI (2011) FS (2012); IA (2009; Completion Report 2020)	**Soil:** VOCs (PCE) **Groundwater:** Chlorinated solvent, TPH, benzene, PCP, SVOCs (bis(2-ethylhexyl) phthalate), VOCs (PCE, TCE, 1,1-Dichloroethene, vinyl chloride), metals (copper, nickel)	Soil, Groundwater, Vapor Intrusion	**Soil:** Method C (Industrial) **Groundwater:** Method B	Thermal treatment by ERH; SVE; ERD; MNA; groundwater monitoring	**RI/FS,** Floyd Snider, 06-10-2011 **Final CAP,** 07-25-2012	The 2022 periodic review concluded that past and ongoing remedial actions appear to have been effective in reducing concentrations of VOCs in the subsurface, although some groundwater contaminants currently remain at levels exceeding the CULs and RLs. Continued groundwater monitoring and implementation of the ongoing remedial action is required by the CAP. The remedy is expected to be protective of human health and the environment once CULs are met; however, the cleanup is still in process.		Upland cleanup site not adjacent to any RAL exceedance areas within the LDW MR
2.4E	12153465	2819	Myrtle Street Property	Y	N	Complete	NFA (1998); rescinded (2025)	**Soil:** Metals (arsenic, cadmium, chromium, copper, lead, silver, zinc), phenol, phthalates, total PCBs, D/F, o-xylene, naphthalene, HPAHs, LPAHs **Groundwater:** PCP, TPH-diesel, TCE, naphthalene	Soil, Groundwater, Vapor Intrusion	**Soil:** Method C (Industrial) **Groundwater:** Method A, Method B	ICs; groundwater monitoring (1997 to 2002)	**VCP Acceptance Package,** Ecology, 02-24-2026 **NFA Rescission Letter,** Ecology, 05-06-2025 **Second Periodic Review Myrtle Street Property,** Ecology, 04-30-2025	Cleanup activities at this site were completed through the VCP in 1998. Ecology rescinded the 1998 NFA on May 6, 2025. The 2025 second periodic review and NFA determined the site does not appear to accurately reflect site conditions or the protectiveness of the cleanup action. Ecology recommends additional characterization and/or cleanup actions. Site application accepted for VCP on February 24, 2026.	Ecology, Industrial NPDES IP No. WA0031968 Ecology, Municipal SW Phase I GP No. WAR044503 KCIW, Minor Discharge Authorization No. 750-04	Upland cleanup site is adjacent to RAL exceedance area(s)
2.55W	37926748	17117	Boyer Towing	Y	N	Awaiting Cleanup	State Cleanup Process	**Sediment:** PCBs, D/F	Site has not been characterized	--	--	**SHARP Report,** SHARP, 07-29-2024 **ENL,** Ecology**,** 03-04-2025 **Ecology Response to Boyer Letter,** Ecology, 06-06-2025	In the LDW Bank Sampling Summary Report 2012 and LDW UR Phase 1 PDIER 2023, sediment samples adjacent to the Boyer Towing property exceed RALs for D/F and total PCBs. The site has not yet been characterized. In 2025, an ENL was issued. Ecology requests engagement with the Toxics Cleanup Program to address this site through the formal MTCA process starting with negotiation of an AO to conduct a RI and FS to characterize the site and determine suitable remedial alternatives, if necessary.	Ecology, Industrial SW GP No. WAR005598	Upland cleanup site is adjacent to RAL exceedance area(s)
2.55W	12139	13120	SDOT South Fontanelle Street	N	N	Awaiting Cleanup	State Cleanup Process	**Soil:** SVOCs (toluene, ethylbenzene, xylenes), PCBs	Site has not been characterized	**Soil:** Method A CULs (Not Specified)	--	**Initial Investigation Field Report,** Ecology, 02-26-2016 **SHARP Report,** SHARP, 02-24-2025	In 2016, Ecology received email notification of property owned by SDOT with MTCA exceedances. Analytical results indicate exceedance of toluene, ethylbenzene and xylenes in soil. Site has not yet been characterized. In 2016, an ENL was issued.		Upland cleanup site is adjacent to RAL exceedance area(s)

Approximate Nearest RM	Facility Site ID	Cleanup Site ID	Upland Cleanup Site Name (Sites with Formal Cleanup Orders are bolded)	Site Listed in Ecology's 2022 LDW Source Control Status Report[a] ? (Y/N)	Site Listed in Ecology's 2024 LDW Cleanup Update[b] ? (Y/N)	Ecology-Designated Cleanup Status (per Ecology's Website "What's in My Neighborhood: Toxics Cleanup")[c]	Assumed Status of MTCA Cleanup Process	Documented Upland Contaminants Above Upland CULs	Upland Environmental Data Evaluated	MTCA CULs Used	Remedial Technology Previously Implemented or Proposed for Future Implementation	References	Summary of Ecology's Cleanup Site Status and Findings (per Ecology's Website "What's in My Neighborhood: Toxics Cleanup")[d]	Known Active Environmental Permits[e]	Proximity to LDW MR RAL Exceedance Area
2.6E	41684823	9057	Puget Sound Truck Seattle	Y	N	Complete	NFA (2012)	Not applicable, no exceedances	Soil, Groundwater	**Soil/ Groundwater:** Method A (Not Specified)	UST and soil excavation (1991)	**NFA Determination,** Ecology, 01-12-2012 **Initial Investigation Field Report,** Ecology, 03-11-2011	In 1991, four USTs and soil were excavated. Confirmation soil and groundwater samples showed samples below the MTCA. In 2012, a NFA determination was issued. Source control determination is listed by Ecology as complete.	Ecology, Industrial SW GP No. WAR000949 KCIW, Minor Discharge Authorization No. 850-04	Upland cleanup site is adjacent to RAL exceedance area(s)
2.6W	35654 59	5322	Ferguson Construction	N	N	Complete	NFA (1996)	**Soil/Groundwater:** TPH-gasoline	Soil, Groundwater	--	--	**IRAP NFA Letter,** Ecology, 05-29-1996	In 1996, a NFA determination was issued after a review of the site's independent remedial action. Ecology determined that no further action is necessary for TPH at this site under the MTCA.		Upland cleanup site not adjacent to nor within 500 feet from the LDW MR
2.75E	21369	17002	Gateway Park	N	N	Awaiting Cleanup	Pre-RI	**Soil:** Metals (lead, mercury, arsenic, other), SVOCs, cPAHs, TPH-diesel, TPH-oil, halogenated solvents, PCBs, D/F **Groundwater:** TPH-oil	Soil, Groundwater	**Soil/ Groundwater:** Method A (Unrestricted Land Use), Method B	--	**SHARP Report,** SHARP, 05-03-2024 **Initial Investigation Field Report,** Ecology, 02-27-2024 **Phase II ESA**, GeoSciences Inc., 06-22-2023	The 2023 Phase II ESA detected concentrations of COCs in soil and groundwater at concentrations exceeding the applicable MTCA CULs. Detected impacts have not been fully delineated to date. The initial investigation field report was issued in 2024.		Upland cleanup site is adjacent to RAL exceedance area(s)
2.7W	22726	2549	640 South Riverside Drive	N	N	Started	State Cleanup Process	**Soil:** Lead, TPH-diesel, TPH-oil, cPAHs, VOCs (PCE, TCE) **Groundwater:** Metals (arsenic, lead), VOCs (PCE, TCE, DCE, vinyl chloride)	Soil, Groundwater	**Soil/ Groundwater:** Method A (Not Specified)	Post-cleanup groundwater monitoring (IA Plan)	**SHARP Report,** SHARP, 02-06-2025 **Well Installation and Groundwater Monitoring Plan,** Pacific Groundwater Group, 03-31-2016 **IA Plan South Park Pump Station & Water Quality Facility Seattle,** Pacific Groundwater Group, 2010	In 2008, soil samples showed lead, TPH-diesel, TPH-oil, cPAHs, PCE, and TCE above MTCA A screening levels. Images from Google maps from 2025 show site has been completely cleared with only dirt on site. No cleanup report is currently available. In 2008, groundwater samples showed arsenic, lead, PCE, TCE, DCE, and vinyl chloride above MTCA CULs. No cleanup reports are currently available; however. four groundwater monitoring reports were available for 2016. The fourth-quarter report showed only vinyl chloride was still above MTCA CULs. More information is needed to determine status of contamination on site.	Ecology, Construction SW GP No. WAR308085	Upland cleanup site is adjacent to RAL exceedance area(s)

Approximate Nearest RM	Facility Site ID	Cleanup Site ID	Upland Cleanup Site Name (Sites with Formal Cleanup Orders are bolded)	Site Listed in Ecology's 2022 LDW Source Control Status Report[a] ? (Y/N)	Site Listed in Ecology's 2024 LDW Cleanup Update[b] ? (Y/N)	Ecology-Designated Cleanup Status (per Ecology's Website "What's in My Neighborhood: Toxics Cleanup")[c]	Assumed Status of MTCA Cleanup Process	Documented Upland Contaminants Above Upland CULs	Upland Environmental Data Evaluated	MTCA CULs Used	Remedial Technology Previously Implemented or Proposed for Future Implementation	References	Summary of Ecology's Cleanup Site Status and Findings (per Ecology's Website "What's in My Neighborhood: Toxics Cleanup")[d]	Known Active Environmental Permits[e]	Proximity to LDW MR RAL Exceedance Area
2.7W	42127616	9114	Hurlen Construction	N	N	Complete	State Cleanup Process	**Soil:** TPH-gasoline, xylene **Sediment:** PCBs, PAHs, SVOCs	Soil, Sediment	Method A (Unrestricted Land Use)	UST and soil excavation (1991)	**SCAP: Riverside Drive,** Ecology, 08-01-2012 **SHA,** [Unknown Author], 02-03-2015 **SHARP Report,** SHARP, 07-29-2024 **Hurlen Construction – ENL (for addition of sediment unit),** Ecology, 03-04-2025	Concentrations of TPH-gasoline and xylenes were detected above MTCA CULs in soil at the site in 1993. Approximately 60 cubic yards of soil were excavated and stockpiled for treatment and was backfilled with clean soil; however, the status of cleanup is unclear, and no reports of remedial actions regarding this excavation were available in Ecology's records. The sediment samples adjacent to the Hurlen Construction property exceed RALs for total PCBs, PAHs and SVOCs in sampling events conducted on (1984, 1986, and 1990). The extent or possibility of sediment impact from petroleum products in the underground tanks is unclear at this stage. In 2025, an ENL was issued for sediment contamination.	Ecology, Industrial SW GP No. WAR301516 Ecology, Municipal NPDES IP No. WA0029181	Upland cleanup site is adjacent to RAL exceedance area(s)
2.85E	29959714	2732	**Duwamish River Slip 4**	Y	N	Started	RI/FS (Crowley Site)	**Soil:** PCBs, PAHs, arsenic, TPH **Sediment:** PCBs	--	--	ICs; excavation; capping	**EAA Long-Term Monitoring Data Report Year 2 (2014),** Integral Consulting Inc./City of Seattle, 12-19-2014 **Removal Action Environmental Covenant,** EPA, 09-24-2013 **LDW Slip 4 Interim Source Control Status Report,** Ecology, 03-09-2011	In 2012, the City of Seattle completed a non-time-critical removal action at the Slip 4 EAA, including contaminated sediment removal, capping, and habitat enhancements. Post-construction sampling confirmed that surface sediments met RAOs within the EAA. Elevated PCB levels found in the adjacent boundary area during construction were addressed by placing a 9-inch sediment cap, which subsequent sampling confirmed met RAOs. In the EAA boundary area, one intertidal sediment sample collected as part of the Crowley site RI/FS exceeded total PCB concentrations for SQS criterion. From the 2014 EAA Long-Term Monitoring Data Report Year 2, Ecology determined that source control within the Slip 4 drainage basin was sufficient to allow the Slip 4 remedy to be implemented; however, source control efforts in the Slip 4 basin and overall LDW basin continue.		EAA adjacent to RAL Exceedance Area 3

Approximate Nearest RM	Facility Site ID	Cleanup Site ID	Upland Cleanup Site Name (Sites with Formal Cleanup Orders are bolded)	Site Listed in Ecology's 2022 LDW Source Control Status Report[a] ? (Y/N)	Site Listed in Ecology's 2024 LDW Cleanup Update[b] ? (Y/N)	Ecology-Designated Cleanup Status (per Ecology's Website "What's in My Neighborhood: Toxics Cleanup")[c]	Assumed Status of MTCA Cleanup Process	Documented Upland Contaminants Above Upland CULs	Upland Environmental Data Evaluated	MTCA CULs Used	Remedial Technology Previously Implemented or Proposed for Future Implementation	References	Summary of Ecology's Cleanup Site Status and Findings (per Ecology's Website "What's in My Neighborhood: Toxics Cleanup")[d]	Known Active Environmental Permits[e]	Proximity to LDW MR RAL Exceedance Area
2.8E	1940187	2520	**Crowley Marine Services 8th Ave S,**	Y	Y	Started	RI Public Review Draft (2019); FS Public Comment Period Completed	**Soil:** Metals (arsenic, copper, lead, selenium), PCBs, cPAHs, D/F, TPH, VOCs (vinyl chloride) **Groundwater:** Metals (arsenic and copper), cPAHs, PCBs, VOCs (vinyl chloride) **Sediment:** PCBs, cPAHs	Soil, Groundwater, Vapor Intrusion, Stormwater, Sediment	**Soil**: Method A, Method B (Residential and Industrial); though the site meets the industrial site requirements, Ecology required that soil concentrations protective of human direct contact (ingestion only) under residential land use) **Groundwater:** Method B	--	**Fact Sheet,** Ecology, 05-01-2024 **Public Review Draft RI Report,** SLR, 05-16-2024 **SEPA DNS Withdrawn and IA Suspended,** Ecology, 10-01-2014	In 2014, SEPA and MTCA public review periods were held for an IA WP until the site was identified with high potential for archeological resources. Ecology withdrew the DNS and suspended IA in 2014. The 2024 Draft RI was determined to sufficiently characterize site-related chemicals, and the Draft FS was completed in April 2026. A comment period was held for RI in 2024 and FS May 4 through June 9, 2026. The future CAP will be available for public comment.	Ecology, Industrial SW GP No. WAR302034	Upland cleanup site is adjacent to RAL exceedance area(s)

Approximate Nearest RM	Facility Site ID	Cleanup Site ID	Upland Cleanup Site Name (Sites with Formal Cleanup Orders are bolded)	Site Listed in Ecology's 2022 LDW Source Control Status Report[a] ? (Y/N)	Site Listed in Ecology's 2024 LDW Cleanup Update[b] ? (Y/N)	Ecology-Designated Cleanup Status (per Ecology's Website "What's in My Neighborhood: Toxics Cleanup")[c]	Assumed Status of MTCA Cleanup Process	Documented Upland Contaminants Above Upland CULs	Upland Environmental Data Evaluated	MTCA CULs Used	Remedial Technology Previously Implemented or Proposed for Future Implementation	References	Summary of Ecology's Cleanup Site Status and Findings (per Ecology's Website "What's in My Neighborhood: Toxics Cleanup")[d]	Known Active Environmental Permits[e]	Proximity to LDW MR RAL Exceedance Area
2.8E	2050	4765	**North Boeing Field GTSP**	Y	N	Started	RI/FS WP (2013), RI WP (PFAS; 2025) and Draft IA WP (2023)	**Soil:** PCBs, TPH, PAHs, metals (antimony, arsenic, cadmium, chromium, copper, lead, mercury, zinc) **Groundwater:** TPH, VOCs, SVOCs, metals (antimony, arsenic, chromium, lead) **Stormwater Solids:** PCBs, PAHs, SVOCs, metals (arsenic, copper, lead, mercury, zinc)	Soil, Groundwater, Stormwater	**Soil/ Groundwater:** Method A (Unrestricted Site Use), Method B	Soil excavation; capping; storm drain upgrades and cleanup	**North Boeing Field GTSP –Boiler House Construction Environmental Support WP,** Landau, 8-18-2025 **North Boeing Field GTSP – Revised PFAS Investigation WP,** Geosyntec, 07-25-2025 **North Boeing Field/GTSP – IA and SEPA Determination Fact Sheet,** Ecology, 10-13-2022 **North Boeing Field/GSTP RI/FS WP,** Ecology, 11-11-2013	The cleanup site is within the Slip 4 EAA, where EPA completed an early cleanup in 2012. As part of that work, Boeing and the City of Seattle removed debris and cleaned sediments and Boeing installed a stormwater treatment system that significantly reduced PCB runoff into the river. The city also independently removed PCB-contaminated soil from the southwest portion and boundary of the GTSP property in 1985 and 2006 and in 2009 replaced the GTSP Flume, a known contamination source. In 2011, Boeing removed contaminated soil along the Steam Plant fence line, and later that year, Boeing and the city jointly removed PCB- and petroleum-contaminated soil under Ecology's direction. Contaminated areas were also capped. Since 2010, Boeing has removed thousands of feet of PCB-contaminated joint material, re-sealed joints, and upgraded storm drains. The current IA aims to remove accessible soil with chemicals of concern above MTCA screening levels. The Dog Park Project Area will then be backfilled with clean soil and redeveloped as a community park. No COCs were detected in groundwater, indicating low risk of leaching. Ecology is finalizing the IA WP, describing the Dog Park cleanup, and a SEPA DNS, which details Ecology determination that the cleanup work is not likely to harm the environment. Additionally, in 2025, a Revised PFAS Investigation WP was developed in response to Ecology's 2022, letter requesting Boeing, the City of Seattle, and King County investigate potential sources, nature, and extent of PFAS at the site. The WP outlines proposed sampling activities to evaluate the presence or absence of PFAS in groundwater, as PFAS-containing foam is currently stored at the North Boeing Field site. Areas where these materials were previously or are currently stored have been identified, along with buildings and locations where historical spills or discharges occurred to the sanitary sewer or storm drain system. An work plan was developed in August 2025 to support site characterization in advance of construction of a new boiler house for the Boeing plant facilities. Groundwater grab sampling and soil sampling are planned with this investigation.		Upland cleanup site not adjacent to nor within 500 feet from the LDW MR, but it has stormwater that drains to Slip 4
2.85E	42561 86	3987	Vic Markov Tire Co.	N	N	Started	Pre-RI	**Groundwater:** TPH	Groundwater	--	--	**Memorandum: SHA Not Completed,** EPA, 10-29-2015 **Final LDW RI Appendix G,** LDWG, 07-09-2010	As of 2015, the site is located within the GTSP AO area and is listed in the 2010 Final LDW RI Appendix G for having groundwater monitoring activity occurring at the site. The site also has a 1993 release notification in Ecology's LUST database; however, no additional publicly available cleanup status updates from Ecology are currently available.		Upland cleanup site not adjacent to any RAL exceedance areas within the LDW MR

Approximate Nearest RM	Facility Site ID	Cleanup Site ID	Upland Cleanup Site Name (Sites with Formal Cleanup Orders are bolded)	Site Listed in Ecology's 2022 LDW Source Control Status Report[a] ? (Y/N)	Site Listed in Ecology's 2024 LDW Cleanup Update[b] ? (Y/N)	Ecology-Designated Cleanup Status (per Ecology's Website "What's in My Neighborhood: Toxics Cleanup")[c]	Assumed Status of MTCA Cleanup Process	Documented Upland Contaminants Above Upland CULs	Upland Environmental Data Evaluated	MTCA CULs Used	Remedial Technology Previously Implemented or Proposed for Future Implementation	References	Summary of Ecology's Cleanup Site Status and Findings (per Ecology's Website "What's in My Neighborhood: Toxics Cleanup")[d]	Known Active Environmental Permits[e]	Proximity to LDW MR RAL Exceedance Area
2.8W	10000 3523	17204	Eddie Bell Junk Metals	N	N	Awaiting Cleanup	State Cleanup Process	**Soil:** PCBs	--	--	--	**ENL,** Ecology, 06-05-2025 [Various historical reports, ranging from 1987-1997]	1987 inspection report details oil soaked soil in central area of Site. PCBs found in surface water runoff exiting property. In 2025, ENL was issued.		Upland cleanup site not adjacent to any RAL exceedance areas within the LDW MR.
2.8W	2462	5109	Evergreen Marine Leasing Parcel E	N	N	NFA	NFA (1997; TPH-diesel in soil and groundwater only)	**Soil:** Metals (copper, lead, zinc), TPH-diesel, cPAHs **Groundwater:** TPH-diesel	Soil, Groundwater	**Soil:** Method A, Method C (Industrial) **Groundwater:** Method A	ICs (restrictive covenant); UST (1991) and soil excavation (1991 to 1996); groundwater sampling (1990 to 1998)	**Evergreen Marine Leasing Parcel E – Periodic Review,** Ecology, 06-01-2025 **Evergreen Marine Leasing Parcel E – IRAP NFA with Environmental Covenant,** Ecology, 11-25-1997	Five USTs were removed, and soil excavated during the UST removal was stockpiled and sampled for disposal in 1991. Additional remedial excavations of impacted soil was conducted in 1996. Cleanup activities were completed under the IRAP. Residual concentrations of TPH-diesel that exceed MTCA CULs remain on the property in soil. Metals and cPAHs may also remain in soil at concentrations exceeding MTCA CULs. Ecology issued a NFA determination letter in 1997, which was contingent on recording a restrictive covenant and groundwater monitoring. On 1998, Ecology issued a letter indicating that the groundwater monitoring required in the NFA letter had been completed. The NFA determination was made only with respect to the TPH-diesel release to soil and groundwater.	Ecology, Industrial SW GP No. WAR002641 KCIW, Major Discharge Authorization No. 4608-01	Upland cleanup site not adjacent to any RAL exceedance areas within the LDW MR
2.8W	2335	2055	Interstate Coatings	N	N	Awaiting Cleanup	Pre-RI	**Soil:** TPH-diesel, metals (arsenic, lead, chromium)	Soil	**Soil:** Method A (Not Specified)	--	**SHA,** Ecology, 08-01-1998	In 1990, a complaint was made to Ecology that Interstate Coatings spilled oil, solvents, and thinners on their property; Ecology confirmed that the properly had visible contamination. The 1998 Site Hazard Assessment was conducted and soil samples were tested; all samples showed exceedances in MTCA CULs for TPH-diesel and metals (arsenic, lead, chromium).		Upland cleanup site not adjacent to any RAL exceedance areas within the LDW MR
2.9W	16139	12300	**Independent Metals Plant 2**	Y	Y	Started	RI WP (2023)	**Soil:** TPH, cPAHs, VOCs (PCE, TCE), PCBs, metals (arsenic, cadmium, lead)	Soil	**Soil/ Groundwater:** Method A (Industrial)	UST excavation (2017)	**Final RI WP,** Floyd Snider, 05-11-2023 **AO, Public Participation Plan Fact Sheet – October 2022,** Ecology, 10-12-2022	In 2009, the site was listed as a Confirmed and Suspected Contaminated Site following an SHA that identified PCB and metal releases, prompting inclusion in existing NPDES monitoring. In 2017, five underground petroleum storage tanks and related piping were removed, accompanied by initial soil and groundwater investigations. Ecology also conducted an Initial Site Assessment in 2015; investigations confirmed hazardous substances present in the soil exceeding MTCA CULs. In 2022, Ecology held a public comment period on the Public Participation Plan and AO; Ecology has been finalizing the documents, including the RI WP, through 2024. Amendments to the AO were signed in February 2024 and January 2025.	Ecology, Industrial SW GP No. WAR308860	Upland cleanup site not adjacent to any RAL exceedance areas within the LDW MR

Approximate Nearest RM	Facility Site ID	Cleanup Site ID	Upland Cleanup Site Name (Sites with Formal Cleanup Orders are bolded)	Site Listed in Ecology's 2022 LDW Source Control Status Report[a] ? (Y/N)	Site Listed in Ecology's 2024 LDW Cleanup Update[b] ? (Y/N)	Ecology-Designated Cleanup Status (per Ecology's Website "What's in My Neighborhood: Toxics Cleanup")[c]	Assumed Status of MTCA Cleanup Process	Documented Upland Contaminants Above Upland CULs	Upland Environmental Data Evaluated	MTCA CULs Used	Remedial Technology Previously Implemented or Proposed for Future Implementation	References	Summary of Ecology's Cleanup Site Status and Findings (per Ecology's Website "What's in My Neighborhood: Toxics Cleanup")[d]	Known Active Environmental Permits[e]	Proximity to LDW MR RAL Exceedance Area
3.0E	2100	7370	**Boeing Plant 2**	Y	N	Started	State Cleanup Process	VOCs, PCBs, PAHs, metals, TPH	Soil, Groundwater, Sediment, Stormwater	--	ICs; dechlorination; excavation; stormwater treatment system; groundwater monitoring	**LDW Source Control Status Report 2020,** Ecology, August 2022 **Corrective Action Cleanups Around the Nation: Boeing Plant 2**, EPA, Website Accessed September 2025[f]	Boeing completed an early action cleanup in 2015. The in-waterway sediment at the facility was cleaned up and habitat restoration completed in 2015. In the upland area of the facility, Boeing has completed several interim soil cleanups and installed stormwater treatment systems to prevent contaminants from entering the LDW. In 2022, EPA issued the Final Corrective Action Decision for the remaining uplands areas of the facility. Corrective measures will include dechlorination, excavation, and more. In addition to cleanup technologies, long- and short-term groundwater monitoring and engineering ICs are necessary.	KCIW, Permit No. 7811-05 Ecology, Industrial SW GP No. WAR000482	EAA adjacent to RAL Exceedance Area 1
3.1W	49919	15139	**Duwamish Waterway Park**	Y	Y	Started	Draft RI/FS WP (2022), RI Fieldwork Ongoing	**Soil:** Metals (including arsenic, lead, mercury), PCBs, cPAHs, D/F, TPH, phthalates	Soil	**Soil:** Method A (Unrestricted Land Use)	Interim cleanup actions (2021): Soil excavation, clean fill replacement, pathway construction, landscaping, and capping	**Duwamish Waterway Park – SHARP Report,** Ecology, 4-20-2026 **Fact Sheet – Duwamish Waterway Park – English – January 2023**, Ecology, 01-18-2023 **Draft RI/FS WP, Herrera Environmental Consultants, Inc.,** 04-26-2022 **Initial Investigation Field Report,** Ecology 09-14-2021	In July 2020, SPR entered the VCP for the Duwamish Waterway Park and submitted an RI for Ecology's review. After Ecology requested more information, SPR began site renovations in 2020. A revised RI was submitted in August 2021, detailing interim cleanup actions such as soil excavation, clean fill replacement, pathway construction, landscaping, and capping. A draft RI/FS WP was submitted in 2022 to further characterize the nature and extent of COCs in soil, sediment, groundwater (including seeps), and surface water. In 2023, Ecology held a public comment period on the Public Participation Plan and AO; Ecology has been finalizing the documents, including the RI WP, through 2024. Phase I of the RI fieldwork is complete, and Phase II of the RI fieldwork is expected to be completed in 2026.		Upland cleanup site not adjacent to any RAL exceedance areas within the LDW MR

Notes:

a. Ecology, 2022. *Lower Duwamish Waterway Source Control Status Report 2020*. Washington State Department of Ecology. Publication No. 22 09-178. August 2022.
b. Ecology, 2024. *Lower Duwamish Waterway – 2024 Cleanup Update*. Washington State Department of Ecology. Publication No. 24-09-141. June 2024.
c. Ecology's map-based search tool website "What's in My Neighborhood: Toxics Cleanup" can be accessed at: https://apps.ecology.wa.gov/neighborhood/.
d. Summaries adapted from reviewing publicly available cleanup site documents and information on Ecology's website "Cleanup and Tank Search." Status determinations are based on information available from Ecology's website, and in some cases, these determinations may be dated. Subsequent remedial actions may have been completed, and site may now be cleaned up. Ecology's website can be accessed at: https://apps.ecology.wa.gov/cleanupsearch/reports/cleanup/all.
e. Ecology, 2025b. Water Quality Permitting and Reporting Information System (PARIS). Accessed June 2026. Available at: https://apps.ecology.wa.gov/paris.
f. EPA's "Corrective Action Cleanups Around the Nation: Boeing Plant 2" website can be accessed at: https://www.epa.gov/hwcorrectiveactioncleanups/epa-rcra-id-wad009256819#:~:text=In%20the%20upland%20area%20of,not%20been%20reported%20in%20RCRAInfo.

Abbreviations:
--: not applicable
AO: agreed order
BTEX: benzene, toluene, ethylbenzene, and xylene
CAP: cleanup action plan
COC: contaminant of concern
cPAH: carcinogenic polycyclic aromatic hydrocarbons
CSO: combined sewer overflow
CUL: cleanup level
D/F: dioxins and furans
DCE: dichloroethene
DDT: dichlorodiphenyltrichloroethane
DNS: determination of non-significance
DOF: Dalton, Olmsted & Fuglevand, Inc.
EAA: early action area
Ecology: Washington State Department of Ecology
ENL: early notice letter
EPA: U.S. Environmental Protection Agency
ERD: enhanced reductive dechlorination
ERH: electrical resistance heating
ESA: environmental site assessment
FS: feasibility study
GP: General Permit
GTSP: Georgetown Steam Plant
HPAH: high-molecular-weight polycyclic aromatic hydrocarbons
IA: interim action
IC: institutional control
ID: identification
IP: Industrial Permit
IRAP: interim remedial action plan
KCIW: King County Industrial Waste
LDW: Lower Duwamish Waterway
LDW MR: Lower Duwamish Waterway Middle Reach
LDW UR: Lower Duwamish Waterway Upper Reach

LPAH: low-molecular-weight polycyclic aromatic hydrocarbon
LUST: leaking underground storage tank
MCL: maximum contaminant level
MNA: monitored natural attenuation
MTCA: Model Toxics Control Act
NFA: no further action
NPDES: National Pollutant Discharge Elimination System
PAH: polycyclic aromatic hydrocarbons
PCB: polychlorinated biphenyl
PCE: tetrachloroethylene
PCP: pentachlorophenol
PDIER: pre-design investigation evaluation report
PFAS: perfluoroalkyl and polyfluoroalkyl substances
PLP: potentially liable person
PPM: Pacific Pile & Marine
RAL: remedial action level
RAO: remedial action objective
RD: remedial design
RI: remedial investigation
RL: reporting limit
RM: river mile
SCAP: source control action plan
SDOT: Seattle Department of Transportation
SEPA: State Environmental Policy Act
SHA: site hazard assessment
SHARP: site hazard assessment and ranking process
SPPD: South Park Property Development, LLC
SPR: Seattle Parks and Recreation
SQS: sediment quality standards
SVE: soil vapor extraction
SVOC: semivolatile organic compound
SW: stormwater
T-115: Terminal 115
TCE: trichloroethylene
TPH: total petroleum hydrocarbons
UST: underground storage tank
VCP: voluntary cleanup program
VOC: volatile organic compound
WP: work plan

Table A1-2
Tracking Work by Others During Remedial Design

Tax Parcel ID No.	Approximate River Mile	Adjacent RAL Exceedance Area	Owner	Tenant	Anticipated Changes and Operations[1]					Additional Information
					Structural Demolition or Other (Y/N)	Dredging (Y/N)	Bank (Y/N)	Upland (Y/N)	Associated Permit(s) (Agency, Title, Number)	
East Side of River (Downstream to Upstream)										
1924049092	1.6 E	--	Ryan LLC – Andrew Grove	CertainTeed Gypsum	--	--	--	--	USACE, No. NWS-2015-01013	Ecology removed the site from the Confirmed and Suspected Contaminated Sites List (Ecology 2025a). USACE permit issued for dock replacement in 2018 (USACE 2025).
1924049075	1.7 E	33, 34, 35, 36	Glacier Northwest, Inc.	Glacier Northwest, Inc.	--	--	--	--		MTCA Agreed Order, September 2011 (Ecology 2025a).
5367204505	1.75 E	35	GFP CL SEATTLE 6335 LLC	Mahoney Environmental Solutions LLC	--	--	--	--		No available information.
5367204545 5367204560 5367204565	1.8 E	32, 33, 34	Duwamish Marine Center / Personal Property / Michigan Marine Properties LLC,	Samson Tug	Maintenance	Y[2]	N	N	--	Regular maintenance to the pier. No dredging permit or dredging history, but Samson Tug wants to dredge along the face of the dock in the future (Anchor QEA 2025a).
5367203415 5367203447 5367203635	1.95 E	31	Duwamish Marine Center / Michigan Marine Properties LLC,	Duwamish Marine Center	Y	--	--	Y		MTCA Agreed Order, September 2011. Remedial investigation was submitted to Ecology in 2020; feasibility study is currently in progress (Ecology 2025a). Revised remedial investigation submitted to Ecology in March 2025. Ecology has requested further data upland. (Meeting with owner 2/23/2026)
5367202410	2.0 E	29, 31	Seattle Department of Transportation	Right of Way/Utility, Road	--	--	--	--		Georgetown conveyance system from the Wet Weather Treatment Station was constructed in 2022 (Ecology 2025a).
5367204200 5367204180	2.1 E	--	Muckleshoot Tribe USA in Trust	Bureau of Indian Affairs	--	--	--	--	--	No available information.
5367204160	2.1 E	--	Maxum Petroleum	Rainier Petroleum	--	--	--	--		No available information.
5367204100	2.1 E	26	Talon 303 LLC	Westcore River Building	--	Y	Y	--	USACE, No. NWS-2019-00328	Clean fill placement for bulkhead stabilization and habitat enhancement after dredging contaminated sediment and capping in 2024 (Anchor QEA 2024).
5367204080	2.1 E	26	CLPF-Seattle Distribution Center LP	Seattle Distribution Center	--	--	--	--	--	
0001800104	2.2 E	26, 30	SeaTac Marine Properties LLC	Glacier Marine Services	N	Y[2]	--	--		Currently there are no plans for structural upgrades or changes to the waterside structures or operations, nor are any planned within the next 5 years. SeaTac Marine has not dredged the berthing area in recent history, but they hope to dredge for depth in the future (Anchor QEA 2025b). One inactive permit (Ecology 2025b).
0001800128	2.2 E	25		Delta	--	--	--	--	--	
0001800113	2.25 E	23	Bridge Point Seattle 130 LLC	Dawn Foods	--	--	--	Y		MTCA Agreed Order (July 2023, amended July 2024), Dawn Foods Products submitted an Interim Action Work Plan (June 2024; Ecology 2025a).
0001800091	2.3 E	20, 23	Personal Property	Seattle Boiler Works	N	N	--	--		No available information.
2136200706	2.45 E	19, 20	Shalmar Group LLC	Seattle Iron & Metals	--	N	--	--		Ecology rescinded the No Further Action status May 2025, listed under Myrtle Street Property Cleanup Site. The site will be re-listed on the Confirmed and Suspected Contaminated Sites List (Ecology 2025a).
2924049089	2.5 E	13, 16								

Tax Parcel ID No.	Approximate River Mile	Adjacent RAL Exceedance Area	Owner	Tenant	Anticipated Changes and Operations[1]					Additional Information
					Structural Demolition or Other (Y/N)	Dredging (Y/N)	Bank (Y/N)	Upland (Y/N)	Associated Permit(s) (Agency, Title, Number)	
2136200681	2.65 E	12, 13	Personal Property	Recology Cleanscapes	--	--	--	--		No available information.
2136200670	2.7 E	9								
2136200666	2.7 E	9	SDOT / Seattle Parks and Recreation	Gateway Park	--	--	--	--	--	Plans for park re-development and cleanup are slowly progressing. (Meeting with City 7/28/2026)
2136200641	2.85 E	3, 5	Crowley Marine Services	Waste Management	--	--	--	--	--	MTCA Agreed Order (October 2009, amended September 2014). Remedial investigation report submitted to Ecology (July 2024; Ecology 2025a).
2924049110	2.85 E	--	Seattle Public Utilities	River/Creek/Stream	--	--	--	--	--	No available information.
2924049043	2.85 E	--	First South Properties LLC	Office/SVC Garage	--	--	--	--		No available information.
0022000005	3.0 E	1, 2, 3, 4	Boeing	Boeing Plant 2	--	--	Y	Y	USACE, No. NWS-2011-00384-SO	Shoreline habitat restoration; interviewee suspects that sand placed at Boeing Plant 2 early action area is moving downstream and shoaling the navigation channel. Interviewee notes that the sand bars shift often and that the nearshore area is eroding and deepening while the outer berthing areas and navigation channel are shoaling (Integral et al. 2018). EPA indicated that shoreline remediation and restoration activities have been completed at this site. Any remaining remediation (under Resource Conservation and Recovery Act/Toxic Substances Control Act) is limited to upland areas (Integral et al. 2018). MTCA Agreed Order (July 2007, amended July 2013), Enforcement Order (March 2015). MTCA Agreed Order (July 2017). In June 2019, Boeing submitted a proposed Upland cleanup plan (Ecology 2025a). USACE permit issued for shoreline habitat maintenance in 2019 (USACE 2025).
West Side of River (Downstream to Upstream)										
5367202505	1.75 W	30	Port of Seattle (Terminal 115)	Northland Services	--	Y[2]	--	--	USACE, No. NWS-2008-01496-WRD USACE, No. NWS-2025-00037-WRD	MTCA Agreed Order (July 2020), initial remedial investigation submitted to Ecology (August 2023; Ecology 2025a). Two inactive permits (Ecology 2025b). USACE permit issued for dredging, repair and modifications in 2009 (USACE 2025). USACE permit issued for outfall flap gate replacement in April 2025 (USACE 2025). Permit for maintenance dredging is pending.
5367202518	2.0 W	30	Seattle Department of Transportation	Seaview Park	--	--	--	--	--	No available information.
5367202512	2.0 W	30	State of Washington	Vacant Industrial	--	--	--	--	--	No available information.
5367202510	2.0 W	30	Seattle Department of Transportation	Right of Way/ Utility, Road	--	--	--	--	--	No available information.

Tax Parcel ID No.	Approximate River Mile	Adjacent RAL Exceedance Area	Owner	Tenant	Anticipated Changes and Operations[1]					Additional Information
					Structural Demolition or Other (Y/N)	Dredging (Y/N)	Bank (Y/N)	Upland (Y/N)	Associated Permit(s) (Agency, Title, Number)	
2924049090 6871200035	2.2 W	24, 27	7100 1st Avenue South Seattle LLC	Alaska Marine Lines Yard No. 2	--	Y	Y	Y		MTCA Agreed Order (May 2011), remedial investigation submitted to Ecology (August 2019; Ecology 2025a). The lay berth is primarily used for barge storage. Operational activity is minimal, with only about one barge loaded per year (Integral et al. 2018). One inactive permit (Ecology 2025b). Planned replacement of five dolphins (near Dawn Foods site) with steel. Owner is waiting for permitting but hoping to replace in Fall 2026. No plans for maintenance dredging in the next few years. (Meeting with owner 2/9/2026)
2924049108 2924049030	2.25 W	24	Personal Property	Industrial Container Services	--	N	Y	Y		MTCA Agreed Order (May 2010), draft feasibility study submitted to Ecology (September 2024; Ecology 2025a). Remedial investigation and feasibility study revisions are nearly complete. Hotspot DNAPL removal and cutback is planned but not scheduled. (Meeting with owner 2/2/2026)
6871200045 6871200620 6871200350 6871200210 6871200100 7327906685	2.25 – 2.5 W	17, 21, 24	Personal Property / Boyer Towing Inc.	Boyer Towing Inc.	--	Y	--	--	USACE, No. NWS-2009-01252 USACE, No. NWS-2023-00554	Boyer Logistics locations are authorized to be maintained at -10 feet MLLW, and Boyer Logistics has been able to dispose of dredged sediment in open water in the recent past (last event was in 2014). Fox dolphins used by Alaska Marine Lines as barge lay berth (Integral et al. 2018). USACE permit issued for maintenance dredging in 2024 (USACE 2025). New dolphins have been installed 50 feet below grade along the north and south ends of the property. (Meeting with owner 2/2/2026)
7327906645 7327906755 7327905760 7327905750 7327905725 7327905350 7327905280 7327904100	2.55 – 2.8 W	8, 9, 11	Multiple Entities	Pacific Pile and Marine	--	N	--	--	--	In 1998, the subject property was dredged to -10 feet MLLW, but it has silted in by 5 feet in less than 10 years. Some vessels have 20-foot drafts (Integral et al. 2018). Site under VCP until 2015 and SHARP assessment completed in 2025. MTCA cleanup process is underway (Ecology 2025a). PPM received preliminary notice from Ecology, but next steps have not been planned (Anchor QEA 2025c).
7327905770	2.65 W	--	Personal Property	Personal Property	--	--	--	--	--	
7327905710 7327905700	2.65 W	9	Seattle Public Utilities	Seattle Public Utilities	--	--	--	--		Flood improvement projects in planning phase. Anticipated street-end floodwall retrofit. Sea level rise adaptation measure proposed at intersection of S Riverside Drive and 7th Avenue S is a berm at 30% design. (Meeting with owner 4/20/2026)
7321904090	2.8 W	6	King County	Metro Pump Station	--	--	--	--	USACE, No. NWS-2012-00260-WRD	King County's 8th Avenue Combined Sewer Overflow regulator station is covered under the listed NPDES permit.
7327904049	2.8 W	6								
7327903645	2.9 W	2	City of Seattle	Seattle Public Utilities	--	--	--	--		Formerly Independent Metals Plant 2; MTCA Agreed Order (December 2022, amended February 2024 and January 2025; Ecology 2025a).
7327902520	2.9 W	1								
7327902510	2.95 W	1								
7327902395	2.95 W	1	Personal Property	Personal Property	--	--	--	--	--	No available information.

Notes:

1. Work by others, including permits, are tracked based on review of the following:
   a. Anchor QEA, 2024. Memorandum to: Trevor Williams, USACE. Regarding: 303 S River Street Post-Dredge Report; Permit No. NWS-2019-328. March 14, 2024.
   b. Anchor QEA, 2025a. Personal communication with Samson Tug.
   c. Anchor QEA, 2025b. Personal communication with SeaTac Marine.
   d. Anchor QEA, 2025c. Personal communication with PPM.
   e. Ecology, 2025a. All Cleanup Sites in Washington State. Available at: https://apps.ecology.wa.gov/cleanupsearch/reports/cleanup/all?Region=Northwest.
   g. Integral et al., 2018. *Waterway User Survey and Assessment of In-water Structures – Data Report*. Prepared for EPA Region 10. Prepared by Integral Consulting Inc., Moffat & Nichol, and Windward Environmental LLC. July 2, 2018.
   h. USACE, 2025. USACE Regulatory and Section 408 Publicly Available Data. Available at: https://permits.ops.usace.army.mil/orm-public.
2. Area with potential future maintenance dredging; however, no USACE permit is currently identified as active.

--: not applicable
E: east
Ecology: Washington State Department of Ecology
EPA: U.S. Environmental Protection Agency
GP: General Permit
ID: identification
MLLW: mean lower low water
MTCA: Model Toxics Control Act
No.: number
NPDES: National Pollutant Discharge Elimination System
PPM: Pacific Pile and Marine
RAL: remedial action level
SDOT: Seattle Department of Transportation
SHARP: site hazard assessment and ranking process
SW: stormwater
USACE: U.S. Army Corps of Engineers
VCP: voluntary cleanup program
W: west

Appendix A – Summary of Upland Cleanup Sites and Work by Others within LDW Middle Reach

Attachment A.1
Waterway Use Information Forms

Waterway Use Information

Property Information			
Property:	1st Ave South Bridge	**River Mile:**	2.4
Adjacent RAA(s):	27C, 28, 29, 30A, and 30B	**FNC Stationing:**	133+00 to 138+00

Communications	
Completed 2022 Questionnaire for LDW Superfund Site Middle Reach Sampling Access?	Yes
Completed 2025 Questionnaire for LDW Superfund Site Middle Reach Design Outreach?	Yes

Follow-up Meetings Held? Yes

Date: 3/17/2026

Attendees: Mark Renshaw (WSDOT), Katy Gross and Rebecca Desrosiers (Anchor QEA), Ade Bright (Bright), Aaron Emoto and Dustin Ong (David Evans)

Follow-up Email Communications? Yes

Date: 3/31/26

Recipients: Mark Renshaw, Craig Boone, Colt Tatum (WSDOT), and Rebecca Desrosiers (Anchor QEA)

Design Notes	
Dredging:	• None
Operations:	• No water usage.
Structures:	• 1st Ave South Bridge – As-built drawings were transmitted by WSDOT to LDWG.
Cleanup:	• None
Other:	• Within the Bridge Engineering Information System, no information was found regarding the demolition of the original bridge. • Design team requested WSDOT search for documentation related to the wetlands that were constructed near the south span of the bridge.

Waterway Use Information

Property Information			
Property:	Douglas Management Dock (Alaska Marine Lines Yard No. 2)	**River Mile:**	2.2W
Adjacent RAA(s):	23, 24, and 27	**FNC Stationing:**	140+00 to 147+00

Communications	
Completed 2022 Questionnaire for LDW Superfund Site Middle Reach Sampling Access?	Yes
Completed 2025 Questionnaire for LDW Superfund Site Middle Reach Design Outreach?	Yes

Follow-up Meetings Held? Yes

Date: 02/09/26
Attendees: Anchor QEA, Boeing, City of Seattle, AML

Follow-up Email Communications? No

Date: N/A
Recipients: N/A

Design Notes	
Dredging:	• FNC Authorized Depth is -20 feet MLLW in front of Yard 2. • FOIA request submitted to USACE for previous permits
Operations:	• Fully laden barges stay north of the bridge but draw about 19 feet. • At Yard 2, only partial load barges or empty bares would be docked, drawing about 12 feet and 7 feet maximum, respectively. • Operations at the south end of the property have typically been storage not stacking cargo or running equipment. AML currently does not have upland redevelopment plans but could be considering a new building.
Structures:	• AML owns the dolphins in within a portion of RAA 23 adjacent to land owned by BridgePoint (Dawn Foods MTCA site). They are planning to replace their piles during Fall 2026 (pending permits). • Structure that sticks out over the inlet is not in use and OK to be removed.
Cleanup:	• Shallow contamination is being addressed by Douglas Management Dock Agreed Order with Ecology. The ISC MTCA site overlaps with the property.
Other:	• None

Waterway Use Information

Property Information			
Property:	Boyer	**River Mile:**	2.3W
Adjacent RAA(s):	21A-D, 24A	**FNC Stationing:**	148+00 to 154+00

Communications	
Completed 2022 Questionnaire for LDW Superfund Site Middle Reach Sampling Access?	Yes
Completed 2025 Questionnaire for LDW Superfund Site Middle Reach Design Outreach?	Yes

Follow-up Meetings Held? Yes

Date: 02/02/26

Attendees: Anchor QEA, Boeing, City of Seattle, Boyer, Perkins Coie, Johannessen Associates, and Maul Foster

Follow-up Email Communications? No

Date: N/A

Recipients: N/A

Design Notes	
Dredging:	• Have conducted permitted dredging activities on an ongoing basis all along the waterfront properties for the last 50+ years • Currently renewing maintenance dredging permit and expect to be dredging within the next year, 2026 (Permits not granted as of July 2026) • FOIA request submitted to USACE for previous permits
Operations:	• Loading and unloading barges at main wharf • Mooring tugboats and barges
Structures:	• No as-built available • New dolphins to the north (36-in mono pile), driven to approximately 50 to 60 feet below grade • Floating T-structure is connected to Creosote piles
Cleanup:	• PLP notice letter received from Ecology
Other:	• None

Waterway Use Information

Property Information			
Property:	Duwamish Marine Center (Multiple Owners)	**River Mile:**	1.95E
Adjacent RAA(s):	31 A-D	**FNC Stationing:**	129+00 to 133+00

Communications	
Completed 2022 Questionnaire for LDW Superfund Site Middle Reach Sampling Access?	Yes
Completed 2025 Questionnaire for LDW Superfund Site Middle Reach Design Outreach?	Yes

Follow-up Meetings Held? Yes

Date: 02/23/26

Attendees: Anchor QEA, City of Seattle, Boeing, Duwamish Marine Center

Follow-up Email Communications? No

Date: N/A

Recipients: N/A

Design Notes	
Dredging:	• No history of dredging for operations
Operations:	• DMC would like to keep upland property buildings in operation and has a desire for the marina (i.e., floating dock supported by monopiles) to be restored after remediation.
Structures:	• Unknown if in-water structures are permitted • FOIA request submitted to USACE for previous permits
Cleanup:	• Revised RI submitted March 31, 2025, which is inclusive of an investigation that took place in late 2024. Supplemental groundwater monitoring was performed after the initial RI.
Other:	• Noted the utility corridor was approximately 8 by 8 feet and carries water and power

Waterway Use Information

Property Information			
Property:	Gateway Park	**River Mile:**	2.8E
Adjacent RAA(s):	9B-F	**FNC Stationing:**	175+00 to 178+00

Communications	
Completed 2022 Questionnaire for LDW Superfund Site Middle Reach Sampling Access?	Yes
Completed 2025 Questionnaire for LDW Superfund Site Middle Reach Design Outreach?	Yes

Follow-up Meetings Held? Yes

Date: monthly coordination meetings occur

Attendees: R. Desrosiers and A. Crowley (for LDWG), several City of Seattle (City) personnel from Seattle DOT and Parks and Recreation, and consultants, attend

Follow-up Email Communications? No

Date: N/A

Recipients: N/A

Design Notes	
Dredging:	• No waterway use that requires dredging
Operations:	• None
Structures:	• Historic (inactive) pump station building and associated wingwalls that are related to the former Georgetown Steam Plant
Cleanup:	• Seattle DOT is conducting an independent remedial investigation of this site in 2026 to understand the nature and extent of contamination. Draft RI is planned for early 2027.
Other:	• Plans for potential park improvements are in development and likely not to be ready before 2028.

Waterway Use Information

Property Information			
Property:	Private Owner / Tennant is Industrial Container Services	**River Mile:**	2.2W
Adjacent RAA(s):	24B-F	**FNC Stationing:**	147+00 to 150+00

Communications	
Completed 2022 Questionnaire for LDW Superfund Site Middle Reach Sampling Access?	Yes
Completed 2025 Questionnaire for LDW Superfund Site Middle Reach Design Outreach?	Yes

Follow-up Meetings Held? Yes

Date: 02/02/26

Attendees: Anchor QEA, City of Seattle, Boeing, ICS, Trotsky

Follow-up Email Communications? No

Date: N/A

Recipients: N/A

Design Notes	
Dredging:	• No waterway use
Operations:	• ICS has stopped drum reconditioning but remains on the property. • Stormwater generated at the site goes to King County POTW
Structures:	• Outfall 2118 is connected to properties to the south and does not connect to the ICS property.
Cleanup:	• MTCA Agreed Order No. DE 6720 • RI/FS has gone through public review. • Schedule for preparing a Draft Cleanup Action Plan is still pending.
Other:	• None

Waterway Use Information

Property Information			
Property:	Private Owner / North side of Myrtle Bay	**River Mile:**	2.3 E
Adjacent RAA(s):	23A and 23B	**FNC Stationing:**	145+00 to 154+00

Communications	
Completed 2022 Questionnaire for LDW Superfund Site Middle Reach Sampling Access?	Yes
Completed 2025 Questionnaire for LDW Superfund Site Middle Reach Design Outreach?	Yes

Follow-up Meetings Held? No

Date: N/A

Attendees: N/A

Follow-up Email Communications? No

Date: N/A

Recipients: N/A

Design Notes	
Dredging:	• None
Operations:	• Barge storage intermittently, rarely moor barges within Myrtle Bay
Structures:	• Mooring dolphins, Outfalls OF-08 through OF-12.
Cleanup:	• None
Other:	• None

Waterway Use Information

Property Information			
Property:	Pacific Pile and Marine	**River Mile:**	2.65-2.8W
Adjacent RAA(s):	8A-H	**FNC Stationing:**	163+00 to 174+00

Communications

Completed 2022 Questionnaire for LDW Superfund Site Middle Reach Sampling Access? Yes

Completed 2025 Questionnaire for LDW Superfund Site Middle Reach Design Outreach? Yes

Follow-up Meetings Held? No

Date: N/A
Attendees: N/A

Follow-up Email Communications? Yes

Date: 7/24/2025
Recipients: N/A

Design Notes	
Dredging:	• Berthing area does not have current permit; last dredging was performed in 1997. • Maintenance dredging took place in 1997 to -10 feet MLLW under permit No. 98-2-00476. FOIA request to USACE was initiated. • No current plans to dredge
Operations:	• Mooring floating equipment, moving supplies to and from barges • Daily use with heavy mooring activities March–August • Decreased mooring from August–February but increase dock transloading activities • One permanently parked barge at the north end of the property
Structures:	• As noted above, there is one permanently parked (beached) barge at the north end of the property. • Two Timber Docks • Timber Wharf on the south end of the property
Cleanup:	• Cleanup Site ID: 9114 • PPM received preliminary notice from Ecology, but next steps have not been planned.
Other:	• None

Waterway Use Information

Property Information			
Property:	Private Owners / Tenant is Recology CleanScapes	**River Mile:**	2.7E
Adjacent RAA(s):	9A-I	**FNC Stationing:**	160+00-173+00

Communications	
Completed 2022 Questionnaire for LDW Superfund Site Middle Reach Sampling Access?	Yes
Completed 2025 Questionnaire for LDW Superfund Site Middle Reach Design Outreach?	Yes

Follow-up Meetings Held? Site Visit

Date: 2/6/2026

Attendees: Rebecca Desrosiers, Leah Dorris, Hayley Sharkey, Cynthia Berne, and Ame LeCocq

Follow-up Email Communications? No

Date: N/A

Recipients: N/A

Design Notes	
Dredging:	• None
Operations:	• No water usage
Structures:	• Water treatment equipment and utility (power) box on the southern end of the property • Concrete curb on the edge of the upland pavement
Cleanup:	• Voluntary cleanup activities by prior tenant
Other:	• None

Waterway Use Information

Property Information			
Property:	Samson Tug (operating tenant)	**River Mile:**	1.8E
Adjacent RAA(s):	32, 33, and 34	**FNC Stationing:**	122+00 to 128+00

Communications	
Completed 2022 Questionnaire for LDW Superfund Site Middle Reach Sampling Access?	Yes
Completed 2025 Questionnaire for LDW Superfund Site Middle Reach Design Outreach?	Yes

Follow-up Meetings Held? Yes

Date: 5/29/2026

Attendees: R. Desrosiers, S. Replinger (Anchor QEA) A. Flood (Samson Tug)

Follow-up Email Communications? No

Date: N/A

Recipients: N/A

Design Notes	
Dredging:	• No dredging permit or dredging history. Samson Tug does not have plans to dredge along the face of the T-dock in the near future.
Operations:	• Loading and unloading barges at T-dock to the north. Vessels draw 6 to 10 feet of water. It takes approximately 1 to 2 weeks for these barges to be unloaded and then loaded. Dock is open approximately 1 to 5 days in between, depending on the time of year. • Mooring tugboats and barges at the southern piers. Vessels draw 3 to 5 feet of water. This position stores empty barges. • Operating water depths: -12 feet MLLW (at T-dock) and -7 feet MLLW (southern pier moorage) • Permitted berth water depth: no permits identified
Structures:	• T-dock on the north end of the property • Two piers on the southern end of the property
Cleanup:	• Under the same cleanup order as Duwamish Marine Center • Revised RI submitted March 31, 2025
Other:	• None

Waterway Use Information

Property Information			
Property:	Seatac Marine	**River Mile:**	2.1E
Adjacent RAA(s):	25/26	**FNC Stationing:**	143+00-148+00

Communications	
Completed 2022 Questionnaire for LDW Superfund Site Middle Reach Sampling Access?	Yes
Completed 2025 Questionnaire for LDW Superfund Site Middle Reach Design Outreach?	Yes

Follow-up Meetings Held? No

Date: N/A
Attendees: N/A

Follow-up Email Communications? No

Date: N/A
Recipients: N/A

Design Notes	
Dredging:	• The berthing area is not permitted for maintenance dredging, but Seatac Marine would like to dredge in the future.
Operations:	• Operate two 300-by-100-foot dry deck barges that run seasonally and Alaska, from late February through mid-October. • Barges use berths for varying durations, ranged from a few days to several weeks depending on scheduling and cargo operations. • There are currently no planned changes to the use of the berths or dock operations. • Vessels arrive and depart from the facility via tug assistance, as they are not self-propelled.
Structures:	• The property includes a main dock along the river and a retired synchro slip located on the north side. Seatac Marine does not currently have any plans for structural upgrades or changes to the waterside structures or operations, nor are any planned.
Cleanup:	• None
Other:	• None

Waterway Use Information

Property Information			
Property:	Seattle Iron & Metals	**River Mile:**	2.4E
Adjacent RAA(s):	20A	**FNC Stationing:**	155+00 to 160+00

Communications	
Completed 2022 Questionnaire for LDW Superfund Site Middle Reach Sampling Access?	Yes
Completed 2025 Questionnaire for LDW Superfund Site Middle Reach Design Outreach?	Yes

Follow-up Meetings Held? No

Date: N/A

Attendees: N/A

Follow-up Email Communications? No

Date: N/A

Recipients: N/A

Design Notes	
Dredging:	• No permitted dredging or history of dredging
Operations:	• Property is inclusive of uplands and tidelands with active overwater operations. • North wharf is used for barge unloading. • Southern wharf is unstable and not is not in active use.
Structures:	• Two wharf structures; southern wharf is not use.
Cleanup:	• Ecology rescinded a 1998 NFA on May 6, 2025.
Other:	• None

Waterway Use Information

Property Information			
Property:	Waste Management	**River Mile:**	2.85E
Adjacent RAA(s):	3, 5A, 5B, and 9A	**FNC Stationing:**	177+00 to 180+00

Communications	
Completed 2022 Questionnaire for LDW Superfund Site Middle Reach Sampling Access?	Yes
Completed 2025 Questionnaire for LDW Superfund Site Middle Reach Design Outreach?	Yes

Follow-up Meetings Held? No

Date: N/A
Attendees: N/A

Follow-up Email Communications? No

Date: N/A
Recipients: N/A

Design Notes	
Dredging:	• Dredging occurred in 1981 and 1996 to approximately -15 feet MLLW • FOIA request submitted to USACE for previous permits
Operations:	• Primarily use wharf in the center of the slip with a crane to offload barges. • Intermittently offloads barges on the left wharf.
Structures:	• The southern and eastern edges of the upland portion of the Subject Property, along Slip 4, are bordered with a sheet pile seawall that is approximately 1,135 feet long and extends to a depth of approximately 43 feet below ground surface (approximately -29 feet NAVD88). • 8th Avenue Terminals has no plans to conduct any structural upgrades or operational changes at the property in the next 5 years.
Cleanup:	• Agreed Order No. DE 6721 with the Washington State Department of Ecology • The Final RI Report was approved by Ecology in December 2024, and a Final FS Report was public noticed in May–June 2026. • A Draft Work Plan to conduct a zero-valent iron (ZVI) permeable reactive barrier (PRB) pilot test at the property was recently submitted to Ecology for review. The pilot test should be conducted from approximately October 2025 through April 2026 to obtain the required data to design a ZVI PRB that effectively remediates the arsenic-, copper-, and benzo(a)pyrene-impacted groundwater near the sheet pile seawall at the property.
Other:	• None