

Lower Duwamish Cleanup Sites Update



Photo by John Monnat, 2011

CONTACTS & INFORMATION

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For more information
about site cleanups
and source control,
visit our website:

[http://www.ecy.wa.gov/
programs/tcp/sites_bro
chure/lower_duwamish/
lower_duwamish_hp.ht
ml](http://www.ecy.wa.gov/programs/tcp/sites_brochure/lower_duwamish/lower_duwamish_hp.html)

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[https://listserv.wa.gov/c
gi-
bin/wa?A0=DUWAMISH
-RIVER-UPDATES](https://listserv.wa.gov/cgi-bin/wa?A0=DUWAMISH-RIVER-UPDATES)

Cleaning up sites to reduce pollution of the Lower Duwamish Waterway

Ecology is leading the effort to clean up sources of contamination from the upland area surrounding the Lower Duwamish Waterway (LDW) Superfund Site. This is called Source Control.

Source Control is defined as finding the sources of contamination and taking actions to stop or reduce them before they reach the LDW. It's a crucial part of Ecology's commitment to control contamination sufficiently so that the Environmental Protection Agency (EPA) can start cleanup of the river sediments. Our long-term goal is to minimize recontamination of the river sediment and restore water quality in the river. A variety of actions, such as business inspections, controlling stormwater runoff, education, and cleanup up of contaminated sites, are all part of source control. Contaminants in soil and groundwater in upland areas around the LDW pose a risk to human health and the environment. They can find their way into the river through groundwater discharges, storm runoff, erosion, and other pathways.

Upstream to downstream

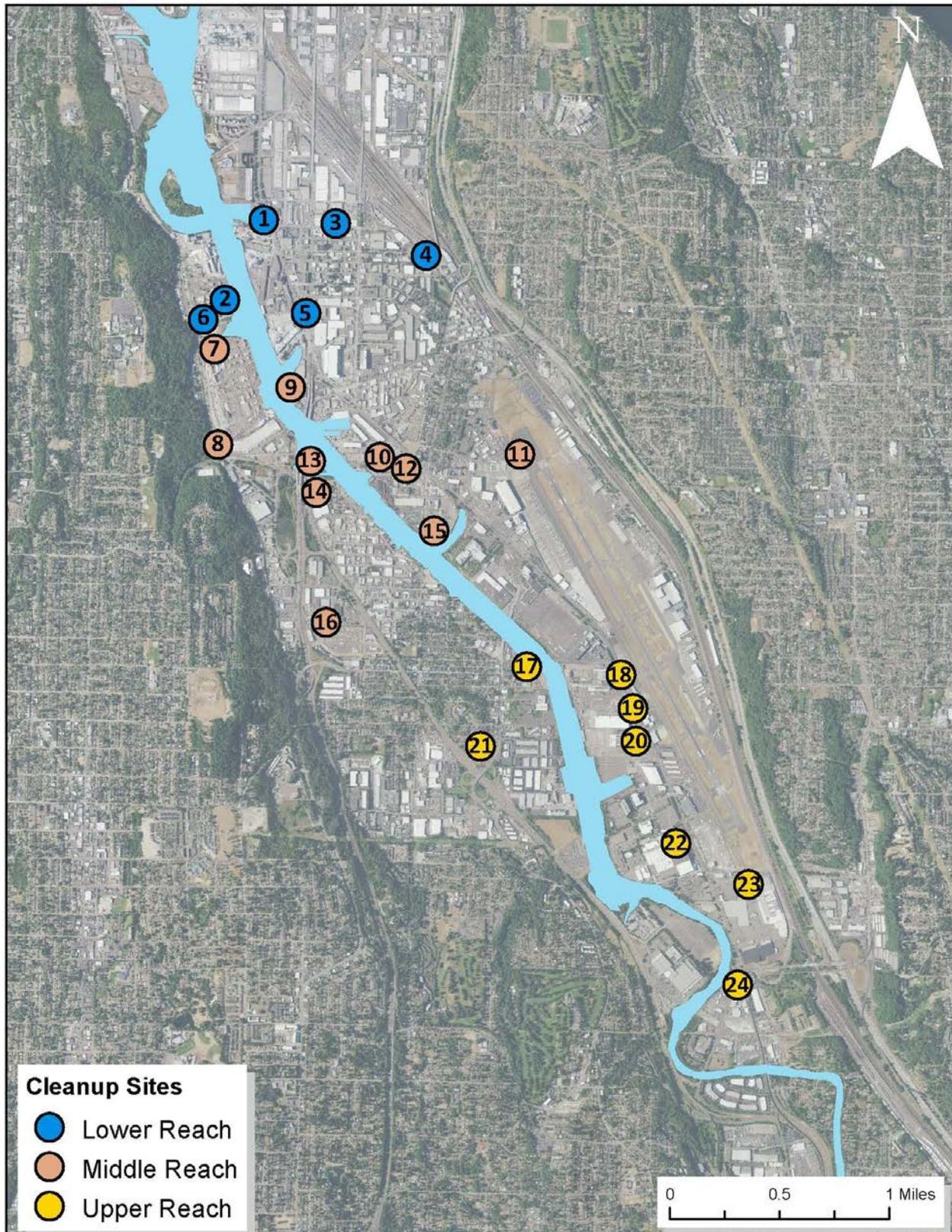
Ecology and EPA developed an "upstream to downstream" approach to source control and site cleanup. The LDW was divided into more manageable sections called Upper, Middle, and Lower Reaches. Since the river flows northward to Elliott Bay, the Upper Reach (upstream) starts in Tukwila and the Lower Reach (downstream) ends at the southern tip of Harbor Island. Working this way ensures that upstream contamination doesn't recontaminate an already cleaned up downstream site.

Progress!

Ecology is actively managing 24 sites through our formal cleanup process under the State Model Toxics Control Act (MTCA). Our Toxics Cleanup Program is currently responsible for 20 formal cleanup sites. Our Hazardous Waste and Toxics Reduction Program is responsible for 4 sites. Other sites are cleaned up independently through the Ecology Voluntary Cleanup Program (VCP), or have EPA oversight under the federal superfund process.

Toxics Cleanup Program

The following is a brief summary of the site status of Ecology formal cleanup sites. The numbers on the map below correspond to specific sites. More site information is on pages 3 - 11.





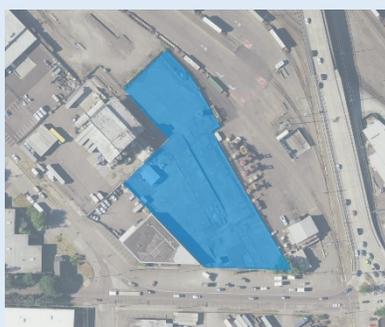
5055 E Marginal Way, Seattle



5658 W Marginal Way SW, Seattle



220 S Dawson St, Seattle



734 S Lucile St, Seattle

① Snopac Property

Agreed Order: 2019.

CSID: 12463

Status: Remedial Investigation complete. Feasibility Study in progress. Interim Action in progress.

Previous uses: Commercial warehousing, sandblast grit disposal, fish processing.

Current uses: Storage and staging of construction equipment.

Contaminants of concern: PCBs, PAHs, petroleum hydrocarbon constituents, metals.

② Duwamish Shipyard

Agreed Order: 2010.

CSID: 54

Status: Remedial Investigation complete. Feasibility Study in progress.

Previous uses: Repair and maintenance of floating vessels.

Current uses: Shipping container storage and truck access.

Contaminants of concern: PCBs, PAHs, SVOCs, tributyl tin, dioxins, furans, oil, metals.

③ General Electric Aviation Div

Consent Decree: 2014.

CSID: 2446

Status: Implementing Cleanup Action Plan.

Previous uses: Servicing aircraft parts; warehouse.

Current uses: Office space.

Contaminants of concern: Chlorinated VOCs, metals, fuels, and oils.

④ Burlington Environmental LLC Georgetown

Agreed Order: 2010; amended 2015.

CSID: 2622

Status: Implementing Cleanup Action Plan. Several Interim Actions occurred beginning in 1991.

Previous uses: Hazardous waste treatment and storage facility.

Current uses: Facility closed (2003); receipt and short-time storage of small quantities of wastes.

Contaminants of concern: PCBs, VOCs, SVOCs, petroleum hydrocarbons.



Between 4th Ave S and Duwamish Waterway



5900 W Marginal Way SW, Seattle



6000 W Marginal Way, Seattle



6020 W Marginal Way, Seattle

5 West of 4th

Agreed Order: 2014; amended 2017. **CSID:** 12260

Status: Feasibility Study in progress. Pilot studies completed. Sediment porewater sampling planned. Several Interim Actions occurred beginning in 2007.

Previous uses: Hazardous waste treatment and storage facility and zinc die-casting.

Current uses: Facility closed in 2003; metal plating and fabrication of metal containers.

Contaminants of concern: Chlorinated VOCs, metals.

6 Glacier Northwest Inc

Agreed Order: 2009. **CSID:** 599

Status: Remedial Investigation and Feasibility Study in progress.

Previous uses: Manufacturing activated charcoal, resins, glues.

Current uses: Cement storage and distribution.

Contaminants of concern: PCBs, PAHs, VOCs and SVOCs, petroleum hydrocarbons, dioxins, furans, metals.

7 Port of Seattle N Terminal 115

Agreed Order: 2011. **CSID:** 1229

Status: Remedial Investigation in progress.

Previous uses: Tin reclamation.

Current uses: Lumber distribution; vehicle storage.

Contaminants of concern: PAHs, SVOCs, petroleum, metals.

8 Terminal 115 Plant 1

Agreed Order: 2020. **CSID:** 11307

Status: Agreed Order signed in June 2020.

Previous uses: Aircraft Manufacturing including plating, assembly, engine and fuel testing and metal working, concrete production, land filling former river channel.

Current uses: Retail fuel sales, cargo transfer, seafood processing, limited vehicle and cargo container maintenance.

Contaminants of concern: VOCs, SVOCs, petroleum, metals.



6365 1st Ave S, Seattle

9 Duwamish Marine Center

Agreed Order: 2011.

CSID: 4146

Status: Remedial Investigation complete. Feasibility Study in progress.

Previous uses: Repair and maintenance of floating vessels; junk dealer; construction services; barge shipping terminal.

Current uses: Tug and barge operations; metal fabrication.

Contaminants of concern: PCBs, PAHs, oil, metals.



6900 Fox Ave S, Seattle

10 Fox Ave Building

Agreed Order: 1991, 2009, and 2012.

CSID: 5082

Status: Remedial Investigation and Feasibility Study complete. Implementing Cleanup Action Plan. Interim Action occurred in 2009.

Previous uses: Chain manufacturing; chemical and petroleum repackaging and distribution.

Current uses: Chemical distribution.

Contaminants of concern: CVOCs, Pentachlorophenol, oil, benzene.



7370 E Marginal Way S, Seattle

11 North Boeing Field Georgetown Steam Plant

Agreed Order: 2008.

CSID: 4765

Status: Remedial Investigation in progress. Interim Action occurred in 2011.

Previous uses: Electrical power generation; aircraft manufacturing, maintenance, and research.

Current uses: Aircraft manufacturing, research, and delivery; jet fuel bulk storage.

Contaminants of concern: PCBs, PAHs, petroleum hydrocarbons, VOCs, SVOCs, jet fuel, phthalates, metals.



730 S Myrtle St, Seattle

12 Whitehead Tye

Agreed Order: 2016.

CSID: 12115

Status: Remedial Investigation Work Plan in progress. Interim Action occurred in 2018.

Previous uses: Lumber finishing, refuse burning, and wood treating.

Current uses: Metal recycling.

Contaminants of concern: PCBs, PAHs, VOCs, pentachlorophenol, petroleum, dioxins, furans, metals.



7100 2nd Ave SW, Seattle

13 Douglas Management Dock

Agreed Order: 2011.

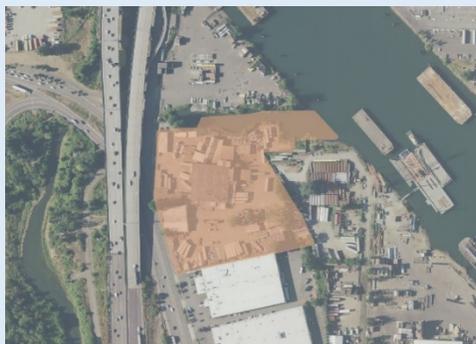
CSID: 6967

Status: Remedial Investigation complete. Feasibility Study in progress.

Previous uses: Sand and gravel batch plant; school bus parking and maintenance.

Current uses: Storage of equipment and shipping containers.

Contaminants of concern: PCBs, oil, metals.



7152 1st Ave S, Seattle

14 Industrial Container Services WA LLC

Agreed Order: 2010.

CSID: 62

Status: Remedial Investigation complete. Feasibility Study in progress.

Previous uses: Cleaning and recycling of used storage drums, some used for hazardous wastes.

Current uses: Cleaning and recycling of used storage drums.

Contaminants of concern: PCBs, PAHs, VOCs, pesticides, oil, metals.



7400 8th Ave S, Seattle

15 Crowley Marine Services 8th Ave S

Agreed Order: 2009.

CSID: 2520

Status: Remedial Investigation complete. Feasibility Study in progress.

Previous uses: Manufacturing of pipe, chain, hydraulic equipment, and concrete; machinery and scrap iron storage; sawmill, lumber distribution, creosote wood treatment.

Current uses: Transloading and loading of contaminated soils and dredge sediments from trucks and barges onto rail cars.

Contaminants of concern: PAHs, metals.



8200 2nd Ave S, Seattle

16 South Park Landfill

Agreed Order: 2009. **Consent Decree:** 2019. **CSID:** 1324

Status: Remedial Investigation and Feasibility Study complete. Implementing Cleanup Action Plan. Interim Actions occurred in 2016 and 2020 (in progress).

Previous uses: Landfill; truck and equipment storage, auto wrecking yard.

Current uses: Solid waste transfer station, commercial businesses and school bus parking.

Contaminants of concern: Chlorinated VOCs, VOCs, landfill gas, petroleum hydrocarbons, oil, metals.



8604 Dallas Ave S, Seattle

17 South Park Marina

Agreed Order: 2019.

CSID: 2858

Status: Remedial Investigation Work Plan in progress.

Previous uses: Marina (including boat repair, maintenance, storage); drum reconditioning operations.

Current uses: Marina with boat storage and repair.

Contaminants of concern: PCBs, PAHs, VOCs, dioxins, furans, phthalates, pesticides, oil, metals.



8531 E Marginal Way S, Seattle

18 Jorgensen Forge Corp

Agreed Order: 2007 and 2017.

CSID: 3689

Status: Remedial Investigation Work Plan in progress. Interim Action occurred in 2014.

Previous uses: Fabrication of structural steel, tractor and road equipment; manufacturing of Navy vessels; steel distribution.

Current uses: Facility being demolished for future reuse.

Contaminants of concern: PCBs, VOCs, petroleum, metals.



8701 E Marginal Way S, Tukwila

19 Boeing Isaacson Thompson

Agreed Order: 2010.

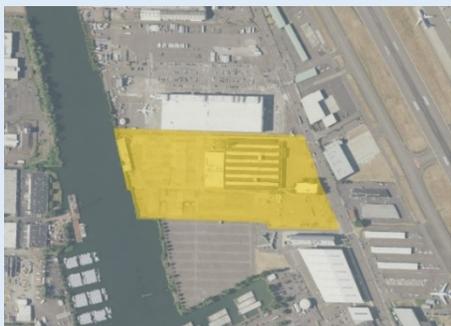
CSID: 1944

Status: Remedial Investigation complete. Feasibility Study in progress.

Previous uses: Aircraft manufacturing.

Current uses: Aircraft manufacturing.

Contaminants of concern: PCBs, PAHs, VOCs, SVOCs, petroleum hydrocarbons, metals.



8801 E Marginal Way S, Tukwila

20 8801 E Marginal Way S

Agreed Order: 2006 (sediment) 2008 (upland).

CSID: 5056

Status: Remedial Investigation complete. Feasibility Study and Interim Action Work Plan waiting to be finalized.

Previous uses: Truck manufacturing.

Current uses: None (under development).

Contaminants of concern: PCBs, PAHs, VOCs, SVOCs, petroleum hydrocarbons, metals.



1231 S Director S, Seattle

21 Precision Engineering Inc.

Agreed Order: Under negotiation.

CSID: 4532

Status: Agreed Order under negotiation.

Previous uses: Manufacturing of large marine items, including propellers and blade assemblies. Services performed included grinding, polishing, chrome plating, milling, welding and coating.

Current uses: Warehouse for heavy duty hardware, machine tools, construction supplies and surplus equipment.

Contaminants of concern: Trichloroethene (TCE), chromium, petroleum.



9725 E Marginal Way, Seattle

22 Boeing Developmental Center

Agreed Order: 2019. **CSID:** 5059

Status: Remedial Investigation Work Plan in progress. Interim Action occurred in 2019.

Previous uses: Various commercial, industrial and agricultural uses.

Current uses: Primarily research and development for aircraft, such as structural testing of hydraulic systems, coating development, 3D printing.

Contaminants of concern: VOCs, TPHs, metals, PCBs, and PAHs.



3301 S Norfolk St, Seattle

23 Emerald Gateway

Agreed Order: 2020. **CSID:** 6584

Status: Interim Action planned.

Previous uses: Commercial warehousing, truck maintenance and repair operations, truck refueling activities.

Current uses: Commercial warehousing.

Contaminants of concern: PCBs, PAHs, petroleum hydrocarbon constituents, metals.



10805 Tukwila International Blvd, Tukwila

24 Boeing Field Chevron

Agreed Order: 2015. **CSID:** 7030

Status: Remedial Investigation complete. Feasibility Study in development.

Previous uses: Service station with underground storage of gasoline.

Current uses: Service station with underground storage of gasoline.

Contaminants of concern: Benzene, gasoline, diesel.

Acronyms:

- CVOs:** chlorinated volatile organic compounds
- PAHs:** polycyclic aromatic hydrocarbons
- PCBs:** polychlorinated biphenyls

- SVOC:** semi volatile organic compound
- TPH:** total petroleum hydrocarbon
- VOC:** volatile organic compound

Lower Duwamish Waterway Formal Sites Status



	Current Status	Site Name
1	Feasibility Study and Interim Action ongoing 2019 → → → 2020	Snopac Property
2	Feasibility Study in progress 2010 → → →	Duwamish Shipyard
3	Implementing Cleanup Action Plan 2014 → → → → 2007	General Electric Aviation Div
4	Implementing Cleanup Action Plan 2010 → → → → → 1991	Burlington Environmental LLC Georgetown
5	Feasibility Study in progress 2014 → → → 2007	West of 4 th
6	Remedial Investigation and Feasibility Study in progress 2009 → → →	Glacier Northwest Inc
7	Remedial Investigation in progress 2011 → →	Port of Seattle N Terminal 115
8	Agreed Order signed June 2020 2020 →	Terminal 115 Plant 1
9	Feasibility Study in progress 2011 → → →	Duwamish Marine Center
10	Implementing Cleanup Action Plan 1991, 2009 & 2012 → → → → → 2009	Fox Ave Building
11	Remedial Investigation in progress 2008 → → 2011	North Boeing Field Georgetown Steam Plant
12	Remedial Investigation Work Plan in progress 2016 → → 2018	Whitehead Tye

Lower Duwamish Waterway Formal Sites Status



	Current Status	Site Name
13	Feasibility Study in progress 2011	Douglas Management Dock
14	Feasibility Study in progress 2010	Industrial Container Services WA LLC
15	Feasibility Study in progress 2009	Crowley Marine Services 8 th Ave S
16	Implementing Cleanup Action Plan 2009, 2019 2016 & 2020	South Park Landfill
17	Remedial Investigation Work Plan in progress 2019	South Park Marina
18	Remedial investigation Work Plan in progress 2007 & 2017 2014	Jorgensen Forge Corp
19	Feasibility Study in progress 2010	Boeing Isaacson Thompson
20	Feasibility Study and Interim Action waiting to be finalized 2006 & 2008 2020	8801 E Marginal Way
21	Agreed Order under negotiation 2020	Precision Engineering Inc.
22	Remedial Investigation Work Plan in progress 2019 2019	Boeing Developmental Center
23	Agreed Order finalized and Interim Action planned 2020 2020	Emerald Gateway
24	Feasibility Study in development 2015	Boeing Field Chevron



Toxics Cleanup Program
3190 160th Ave SE
Bellevue, WA 98008-5452

Lower Duwamish Cleanup Sites Update



Información sobre la limpieza ambiental del Duwamish:

Si le gustaría obtener este documento en español, favor de comunicarse al 360-407-6097 o preguntas@ecy.wa.gov.

Thông tin về công tác làm sạch môi trường Duwamish:

Nếu quý vị muốn nhận tài liệu này bằng tiếng Việt hoặc cần thêm thông tin, xin liên hệ ông Liêm Nguyễn: 360-407-6955, điện thư: Lngu461@ecy.wa.gov.

有關 Duwamish 河清理信息:

如需此文件的中文版, 請聯繫 Sunny Becker, 聯繫方式 425-649-7187 : sunny.becker@ecy.wa.gov.

Want to get more involved with efforts to clean up the Duwamish River?

Contact the Duwamish River Cleanup Coalition/Technical Advisory Group at contact@duwamishcleanup.org, (206) 954-0218, or visit <http://duwamishcleanup.org/>