

• SHARP first SHARP		v2024.04.29	Ecology Info	
• SHARP rating	Low		ERTS	430229
• SHARP date	09/03/2025		CSID	2368
• EJFlagged?	⊘ - No Override		FSID	76716221
• LD confidence level	high		VCP	NW0182
• Cleanup milestone	post-cleanup controls & monitoring		UST ID	none
• SHARPster	Cliff Nale		LUST ID	none

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SHARP Media	Scores	Confidence	Additional Factors	
Indoor air	D4	high	multiple chemical types	✓
Groundwater	C2	high	risk to off-site people	✓
Surface water	D4	high	climate change impacts	✓
Sediment	D4	high	plant/animal tissue data	✓
Soil	C1	high		

Location and land use info

4101 Lake Washington Boulevard North, Renton, King County, 98056

Primary parcel N/A

Land use residential

Responsible unit NWRO

Sources reviewed

August 2024, Draft Cleanup Action Plan, Ecology

May 15, 2024, Remedial Investigation and Feasibility Study Report, Aspect/Geosyntec

Primary census tract	Associated census tracts
24702	025301

Local demographics comments

no comments

Source/source area description

Historical operations led to releases across the site and onto adjacent Lake Washington and north-adjoining Quendall Property. Historical operations included lumber mills, wood treatment, rail and barge/log rafting transportation, and underground storage tanks (USTs).

Soil comments

The past industrial activities resulted in contamination of soil, groundwater and sediment on the Barbee Mill Property, overlapping on a portion of the Quendall Property to the north, and on state-owned aquatic lands of Lake Washington to the west. Contaminants included metals (arsenic and zinc), pentachlorophenol (PCP), and total petroleum hydrocarbons (diesel- and oil-range hydrocarbons).

Multiple cleanup actions completed between 1999 and 2011 largely addressed contaminated soil and groundwater on the Barbee Mill Site and completely addressed contaminated sediment.

Groundwater comments

The past industrial activities resulted in contamination of soil, groundwater and sediment on the Barbee Mill Property, overlapping on a portion of the Quendall Property to the north, and on state-owned aquatic lands of Lake Washington to the west. Contaminants included metals (arsenic and zinc), pentachlorophenol (PCP), and total petroleum hydrocarbons (diesel- and oil-range hydrocarbons).

Multiple cleanup actions completed between 1999 and 2011 largely addressed contaminated soil and groundwater on the Barbee Mill Site and completely addressed contaminated sediment.

Surface water comments

The past industrial activities resulted in contamination of soil, groundwater and sediment on the Barbee Mill Property, overlapping on a portion of the Quendall Property to the north, and on state-owned aquatic lands of Lake Washington to the west. Contaminants included metals (arsenic and zinc), pentachlorophenol (PCP), and total petroleum hydrocarbons (diesel- and oil-range hydrocarbons).

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Sediment comments

The past industrial activities resulted in contamination of soil, groundwater and sediment on the Barbee Mill Property, overlapping on a portion of the Quendall Property to the north, and on state-owned aquatic lands of Lake Washington to the west. Contaminants included metals (arsenic and zinc), pentachlorophenol (PCP), and total petroleum hydrocarbons (diesel- and oil-range hydrocarbons).

Multiple cleanup actions completed between 1999 and 2011 largely addressed contaminated soil and groundwater on the Barbee Mill Site and completely addressed contaminated sediment.

Indoor air comments

The past industrial activities resulted in contamination of soil, groundwater and sediment on the Barbee Mill Property, overlapping on a portion of the Quendall Property to the north, and on state-owned aquatic lands of Lake Washington to the west. Contaminants included metals (arsenic and zinc), pentachlorophenol (PCP), and total petroleum hydrocarbons (diesel- and oil-range hydrocarbons).

Multiple cleanup actions completed between 1999 and 2011 largely addressed contaminated soil and groundwater on the Barbee Mill Site and completely addressed contaminated sediment.

Additional factors comments

The past industrial activities resulted in contamination of soil, groundwater and sediment on the Barbee Mill Property, overlapping on a portion of the Quendall Property to the north, and on state-owned aquatic lands of Lake Washington to the west. Contaminants included metals (arsenic and zinc), pentachlorophenol (PCP), and total petroleum hydrocarbons (diesel- and oil-range hydrocarbons).

Multiple cleanup actions completed between 1999 and 2011 largely addressed contaminated soil and

Site history

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The site includes three cleanup units: Barbee Mill - Sediment Unit, Barbee Mill Co. - Upland Unit, and Barbee Mill Off Property Quendall - Upland Unit. First known operations at the site included docks and rail lines associated with lumber from at least the 1920s. By 1943, the site was used as a shipyard to create barges, tugs and other vessels during World War II. From at least 1945 to 2006, the site operated as a lumber mill and included arsenic-based compounds for treatment of wood pilings. These past industrial activities resulted in contamination of soil, groundwater and sediment on the Barbee Mill Property, overlapping on a portion of the Quendall Property to the north, and on state-owned aquatic lands of Lake Washington to the west. Contaminants included metals (arsenic and zinc), pentachlorophenol (PCP), and total petroleum hydrocarbons (diesel- and oil-range hydrocarbons).

Multiple cleanup actions completed between 1999 and 2011 largely addressed contaminated soil and groundwater on the Barbee Mill Site and completely addressed contaminated sediment.

Overflow - Site contamination and cleanup history

No overflow

Barbee Mill Company

2368 Barbee Mill Company 20250903

First SHARP

SHARP rating — Low

SHARP Report — Part 2 of 2

Conceptual site model

09/03/2025



Assessment scores by environmental medium

