

• SHARP first SHARP		v2024.04.29	Ecology Info	
• SHARP rating	Low		ERTS	550884
• SHARP date	05/24/2024		CSID	5610
• EJFlagged?	⊘ - No Override		FSID	17222251
• LD confidence level	low		VCP	NW1529
• Cleanup milestone	site hazard assessment		UST ID	8917
• SHARPster	Meredith Bee		LUST ID	6123

This section is blank if this is the first SHARP

SHARP Media	Scores	Confidence	Additional Factors	
Indoor air	D4	medium	multiple chemical types	✓
Groundwater	B1	high	risk to off-site people	⊘
Surface water	D4	high	climate change impacts	⊘
Sediment	D4	high	plant/animal tissue data	⊘
Soil	B1	high		

Location and land use info

1695 Main St, Freeland, Island County, 98249

Primary parcel SHARP it

Land use commercial

Responsible unit NWRO

Sources reviewed

2023, Remedial Investigation Work Plan Addendum, Haley & Aldrich

2022, Remedial Investigation Work Plan, Hart Crowser

Primary census tract	Associated census tracts
53029971900	53029971800

Local demographics comments

Site is on southern border of primary census tract. The groundwater plume extends past census tract boundary.

Source/source area description

Historically, the Property was occupied by the Whidbey Marine & Auto Supply between at least 1971 and 2014 which operated as a gasoline service station for a portion of that time. Property records indicate that four underground storage tanks (USTs) were installed at the Property between 1982 and 1986, which included one 3,000-gallon diesel UST (UST 1), two 10,000-gallon gasoline USTs (USTs 2 and 3), and one 8,000-gallon gasoline UST (UST 4). A release of unleaded gasoline from UST 2 was reported to Ecology in 2005. Fuel sales ceased in mid-2009, and the Property was sold in October 2009. The USTs were removed in January 2011 by Ultra-Tank Services, Inc (Farallon 2011). The Property is currently occupied by Scotty's Towing.

Soil comments

Soil contaminants of potential concern include total petroleum hydrocarbons (gas, diesel and oil range), benzene, toluene, ethylbenzene, total xylenes, lead and arsenic.

Groundwater comments

Groundwater contaminants of potential concern include total petroleum hydrocarbons (gas, diesel and oil range), benzene, toluene, ethylbenzene, total xylenes, lead and arsenic.

Surface water comments

no comments

Sediment comments

no comments

Indoor air comments

Given the depth of contamination the vapor exposure pathway is considered incomplete.

Additional factors comments

no comments

Site history

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The Freeland Water Sewer District, Island County Department of Environmental Health, and Washington State Department of Ecology (Ecology) are working together to ensure the area's municipal drinking water wells are not impacted by the petroleum contamination.

In August 2017, groundwater samples were collected from seven shallow aquifer and ten deep aquifer groundwater monitoring wells at the Whidbey Marine and Auto Supply cleanup site (Site) located in Freeland, WA. Petroleum products were significantly above state cleanup standards for gasoline-range petroleum hydrocarbons at 8 of the 17 groundwater monitoring wells sampled including MW-4S, MW-6S, MW-7S, MW-8S, MW-9D, MW-12D, MW-13D and MW-17D. Samples collected from four of the wells located 100 or more yards to the south and southeast indicated no detection of petroleum products. These four wells (MW-14D, MW-15D, MW-16D, and MW-18D) were strategically placed downgradient of the contamination source between the Site and the Freeland water district municipal drinking water wells.

Since groundwater sampling occurred in 2017, Ecology has conducted additional investigation that has included installing groundwater monitoring wells and collecting environmental samples to further define the extent of petroleum contamination.

Overflow - Site contamination and cleanup history

No overflow



Assessment scores by environmental medium

D4 indoor air
medium confidence

B1 soil
high confidence

B1 groundwater
high confidence

D4 surface water
high confidence

D4 sediment
high confidence