

Steilacoom Bluff



SHARP Report — Part 1 of 2

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• SHARP first SHARP		v2024.04.29	Ecology Info	
• SHARP rating	Medium		ERTS	SHARP it
• SHARP date	08/28/2025		CSID	16612
• EJFlagged?	⊘ - No Override		FSID	99997127
• LD confidence level	low		VCP	SW1773
• Cleanup milestone	cleanup action plan		UST ID	SHARP it
• SHARPster	Diana Ison		LUST ID	SHARP it

This section is blank if this is the first SHARP

SHARP Media	Scores	Confidence	Additional Factors	
Indoor air	D4	high	multiple chemical types	⊘
Groundwater	D4	medium	risk to off-site people	⊘
Surface water	D4	low	climate change impacts	✓
Sediment	B4	low	plant/animal tissue data	⊘
Soil	A2	low		

Location and land use info

No address on file; S/T/R - 18 18 1E, Olympia, Thurston County, 98513

Primary parcel 21818340000

Land use undeveloped

Responsible unit SWRO

Sources reviewed

Ecology, Opinion on the Proposed Cleanup of a Property associated with the Asarco Tacoma Smelter Site, December 14, 2022

Terra Associates, Inc., Tacoma Smelter Plume Assessment Steilacoom Bluff, March 11, 2021

Primary census tract	Associated census tracts
53067012310	53067012320

Local demographics comments

A zero was applied to all EJscreen parameters because the EJscreen website was not available at the time of rating.

Source/source area description

For almost 100 years, the Asarco Company operated a copper smelter in Tacoma. Air pollution from the smelter settled on the surface soil over a vast region - more than 1,000 square miles of the Puget Sound basin. This property has elevated levels of arsenic and lead in the soil due to air emissions from the Asarco smelter.

Soil comments

no comments

Groundwater comments

Based on soil contamination levels, groundwater contamination is not suspected.

Surface water comments

A perennial unnamed stream/river is mapped through the southeast portion of the property for approximately 1100 feet.

Sediment comments

no comments

Indoor air comments

Site Contaminants of Concern are arsenic and lead in the soil, which are not associated with vapor intrusion risk.

Additional factors comments

no comments

Site history

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The Property is currently undeveloped and covered with native trees and understory. When planning for development in 2021, this property was sampled for arsenic and lead contamination as a result of the former Asarco smelter. The soil was sampled according to Ecology's Tacoma Smelter Plume Model Remedies Guidance, and elevated levels of arsenic were identified in the soil. The eastern part of the property contains a steep slope descending towards McAllister Creek in the Nisqually River flood plain.

Overflow - Site contamination and cleanup history

No overflow

Steilacoom Bluff

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First SHARP

SHARP rating — Medium

SHARP Report — Part 2 of 2

Conceptual site model

08/28/2025



Assessment scores by environmental medium

