



<b>• SHARP first SHARP</b>		<b>v2024.04.29</b>	<b>Ecology Info</b>	
• SHARP rating	Low		ERTS	SHARP it
• SHARP date	07/30/2025		CSID	17078
• EJFlagged?	✓ – No Override		FSID	100002622
• LD confidence level	low		VCP	NW3410
• Cleanup milestone	cleanup implementation		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	medium	climate change impacts ☒
Sediment	D4	medium	plant/animal tissue data ☒
Soil	B2	medium	

<b>Location and land use info</b>	
29425 Redondo Way South, Federal Way, King County, 98003	
Primary parcel	0521049171
Land use	residential
Responsible unit	SWRO

<b>Sources reviewed</b>
eci Environmental Services, Tacoma Smelter Plume Arsenic & Lead Soil Remediation Confirmation Sampling, August 26, 2024
eci Environmental Services, Tacoma Smelter Plume Arsenic & Lead Soil Assessment, February 15, 2024



Primary census tract	Associated census tracts
53033030100	

Local demographics comments
<p>A zero was applied to all EJscreen parameters because the EJscreen website was not available at the time of rating.</p>

Source/source area description
<p>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.</p>

Soil comments
<p>no comments</p>

Groundwater comments
<p>Based on soil contamination levels, groundwater contamination is not suspected.</p>



**Surface water comments**

The nearest stream, an unnamed perennial stream is mapped approximately 100 feet to the east of the property, on the other side of Redondo Way S.

**Sediment comments**

no comments

**Indoor air comments**

Site contaminant of concern is arsenic in the soil, which is not associated with vapor intrusion risk.

**Additional factors comments**

no comments

**Site history**

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in 2024, when this property was planned for redevelopment, soil and duff samples were collected from the shallow soil adhering to Ecology's Tacoma Smelter Plume Model Remedies Guidance. Soil analysis results indicate arsenic in the soil and duff above the state cleanup level. The soil with elevated arsenic was mixed with clean soil below. Confirmational soil samples collected in July 2024 confirm the mixing in that area was successful. At the date of this report, we are awaiting confirmation that the elevated duff near Duff-07, Duff-08, and Duff-09 has been remediated.

**Overflow - Site contamination and cleanup history**

Additional parcels: 0521049023, 0521049128

Redondo Hills LLC

17078 Redondo Hills LLC 20250730

First SHARP

SHARP rating — Low

SHARP Report — Part 2 of 2

Conceptual site model

07/30/2025



### Assessment scores by environmental medium

