Intalco Aluminum Corp Ferndale

SHARP Report — Part 1 of 2

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• SHARP first SHARP	v2024.04.29	Ecology Info	
• SHARP rating	Critical	ERTS	none
• SHARP date	11/17/2025	CSID	2280
• EJFlagged?	⃠ - Overridden	FSID	16
• LD confidence level	low	VCP	none
• Cleanup milestone	initial investigation	UST ID	12556
• SHARPster	Greg Gould	LUST ID	5710

This section is blank if this is the first SHARP

SHARP Media	Scores	Confidence	Additional Factors	
Indoor air	D4	low	multiple chemical types	✔
Groundwater	B1	low	risk to off-site people	⃠
Surface water	**A1**	low	climate change impacts	✔
Sediment	**A1**	low	plant/animal tissue data	⃠
Soil	**A2**	low		

Location and land use info

4050 Mountain View Rd, Ferndale, Whatcom County, 98248

Primary parcel	3901294404010000
Land use	industrial
Responsible unit	Industrial

Sources reviewed

Primary census tract	Associated census tracts
53073010504	

Local demographics comments

A zero was applied to all EJscreen parameters because the EJscreen website was not available at the time of rating. Override no-default EJ Flag: site is in a tribal census tract.

Source/source area description

Cleanup activities at this Site include closure of several landfills Intalco used to dispose of wastes created by aluminum production.

Soil comments

no comments

Groundwater comments

no comments

Surface water comments

no comments

Sediment comments

no comments

Indoor air comments

no comments

Additional factors comments

no comments

Site history

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Beach 1 landfill (BI, closed November 29, 2005), Beach 2 landfill (BII, closed November 25, 2005), and the Closed Construction Debris Landfill (CCDL, closed October 4, 2006), contained solid waste and construction debris. Testing at these sites found chemicals of concern, including: Fluoride, aluminum, chromium, copper, lead, zinc, PCBs, and PAHs in the groundwater; Fluoride and aluminum in the surface water; and PCBs, PAHs, and fluoride in the soil.

Overflow - Site contamination and cleanup history

In response to this concern, waste from the BI and BII landfills were moved to the Double-Lined and Triple-Lined landfills. The cleanup of the CCDL included stabilizing slopes and installing a protective cover.

The Double-Lined Landfill (DLL), closed September 14, 2007, contains solid waste and construction debris.
The Triple-Lined Landfill (TLL), closed November 28, 2012, contains dangerous waste (spent potliner), solid waste, and construction debris.
Since this was done, contamination from the landfills has been below levels of concern. Long term monitoring for fluoride, weak acid dissociable cyanide, and total PCBs from BI, BII, and the CCDL is required.

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First SHARP
SHARP rating — Critical

SHARP Report — Part 2 of 2

Conceptual site model
11/17/2025

SHARP

