

Monte Cristo Mining Area



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	09/15/2025		CSID	4550
• EJFlagged?	⊘ - No Override		FSID	2251399
• LD confidence level	low		VCP	None
• Cleanup milestone	post-cleanup controls & monitoring		UST ID	None
• SHARPster	Justin Rice		LUST ID	None

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	high	risk to off-site people	✓
Surface water	A1	high	climate change impacts	✓
Sediment	A2	high	plant/animal tissue data	⊘
Soil	A1	high		

Location and land use info

4 mi SE Barlow Pass, Mountain Loop Hwy, , Snohomish County, 98241

Primary parcel multiple

Land use recreational

Responsible unit CRO

Sources reviewed

Removal Action Report, Cascade Earth Services, 2016

Terrestrial Investigation, Hart Crowser, 2015

Remedial Investigation Phase 2 Summary Report, Hart Crowser, 2012

Primary census tract	Associated census tracts
53061053801	none

Local demographics comments
no comments

Source/source area description
The Monte Cristo Mining Area (MCMA) is in the Cascade Mountains. It is part of the Mt. Baker Snoqualmie National Forest in Snohomish County, Washington. The MCMA has a rich mining history that includes production from numerous mines and processing mined material for delivery to the Everett Smelter.

Soil comments
Mine waste rock piles containing elevated concentrations of toxic metals are dispersed throughout the MCMA and are associated with numerous mine workings at the site. Mine features are located in remote, rugged areas near recreational hiking trails.

Groundwater comments
Long term groundwater monitoring will be conducted at the repository.

Surface water comments

Surface water samples collected from South Fork of the Sauk River, Glacier Creek, Seventysix Gulch, and Monte Cristo Lake had concentrations of toxic metals including arsenic, cadmium, chromium, copper, lead, mercury, selenium, and zinc that exceed screening criteria.

Sediment comments

Sediment contaminants of concern that exceeded screening levels include antimony, arsenic, cadmium, copper, lead, mercury, and zinc.

Indoor air comments

no comments

Additional factors comments

no comments

Site history

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The United States Forest Service (USFS) and Ecology conducted a removal action at the MCMA in 2015 that included removing contaminated mine waste rock and tailings, constructing a repository to contain contaminated mine waste and installing an engineered cover system over the repository. Long term monitoring by the USFS continues at the Site. Long term monitoring activities include surface water sampling, inspecting mine drainage diversions, groundwater monitoring at the repository, and continued revegetation of disturbed areas as needed.

Overflow - Site contamination and cleanup history

No overflow

Monte Cristo Mining Area

4550 Monte Cristo Mining Area 20250915

First SHARP

SHARP rating — Critical

SHARP Report — Part 2 of 2

Conceptual site model

09/15/2025



Assessment scores by environmental medium

