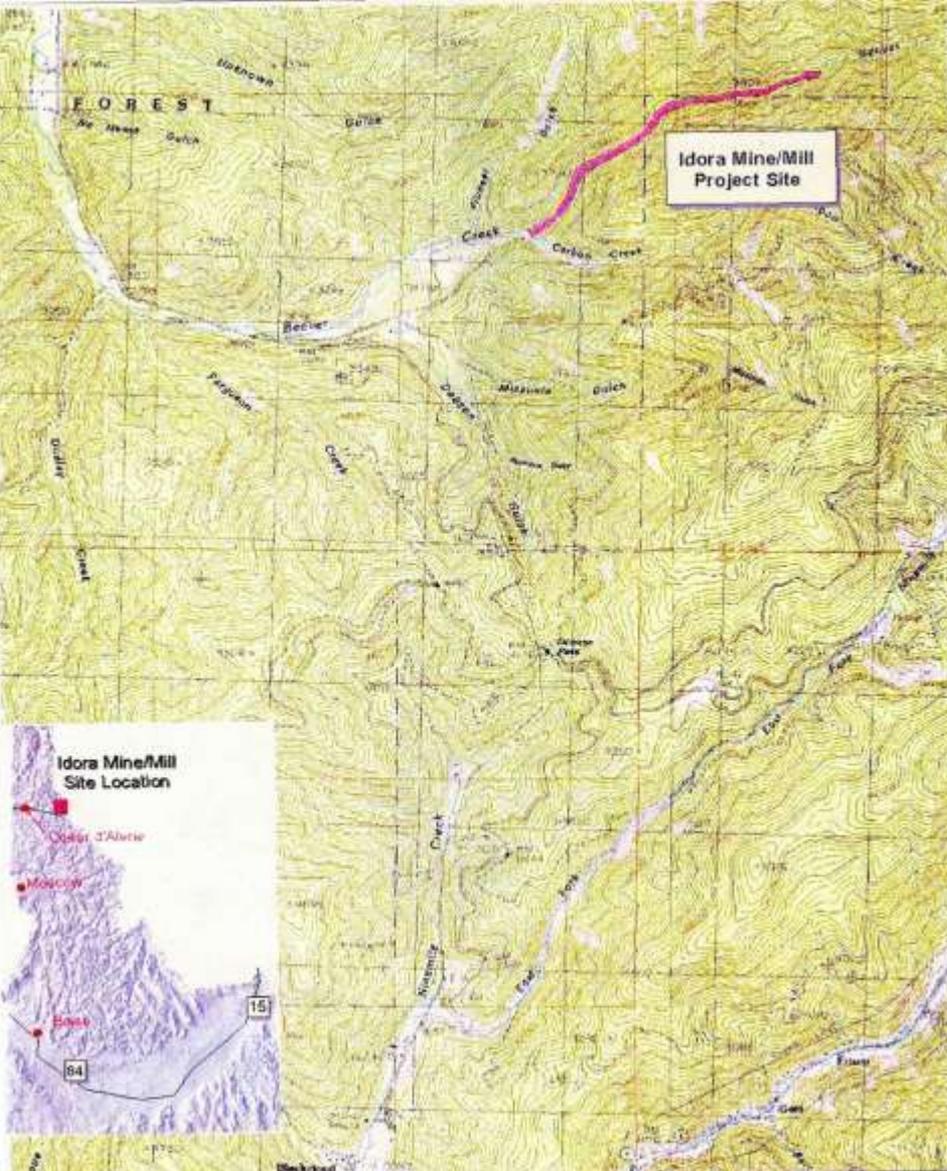


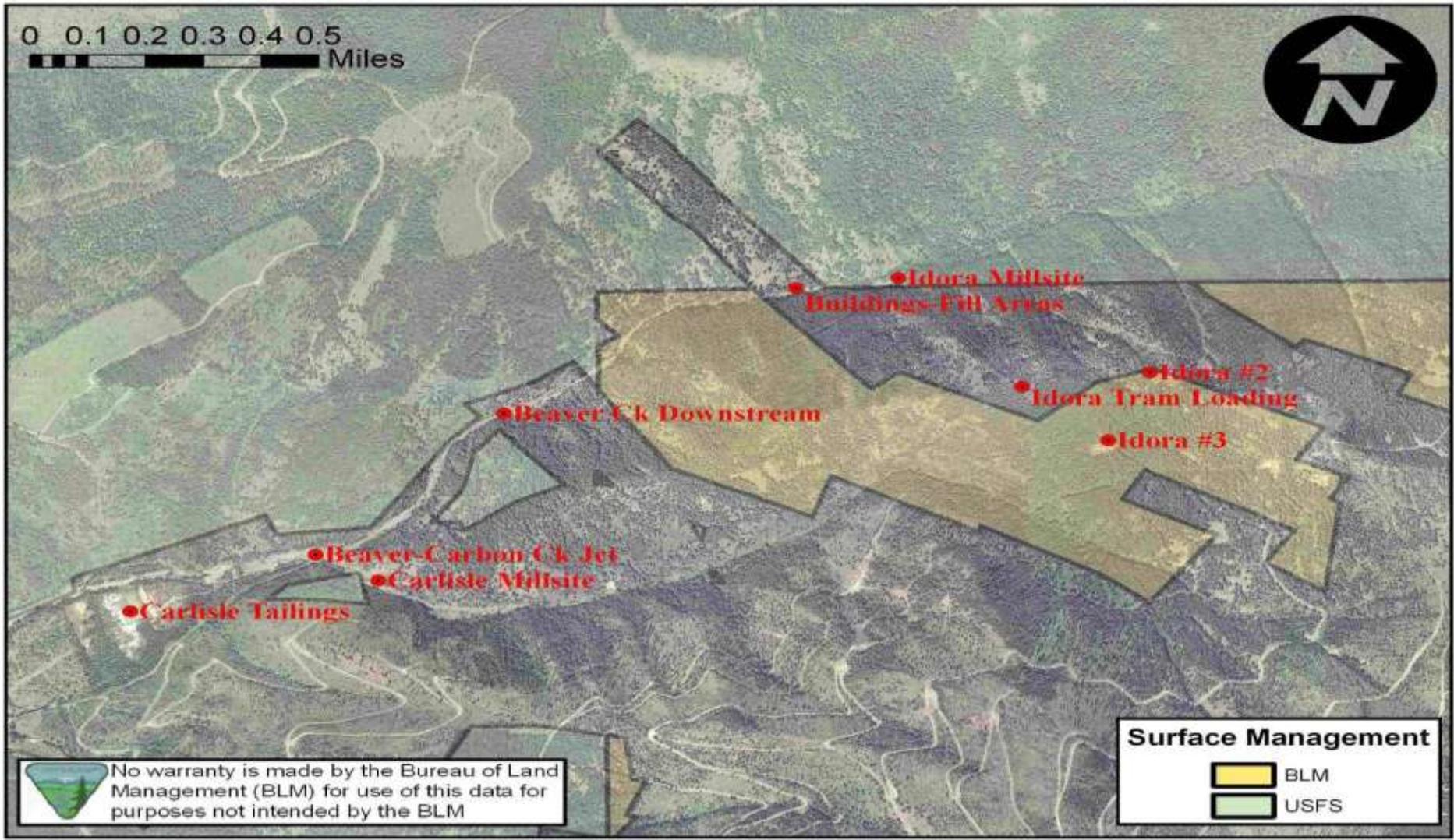
IDORA MILL/BEAVER CREEK

MINE TAILINGS REMOVAL ACTION



Idora Mill Pre-Removal

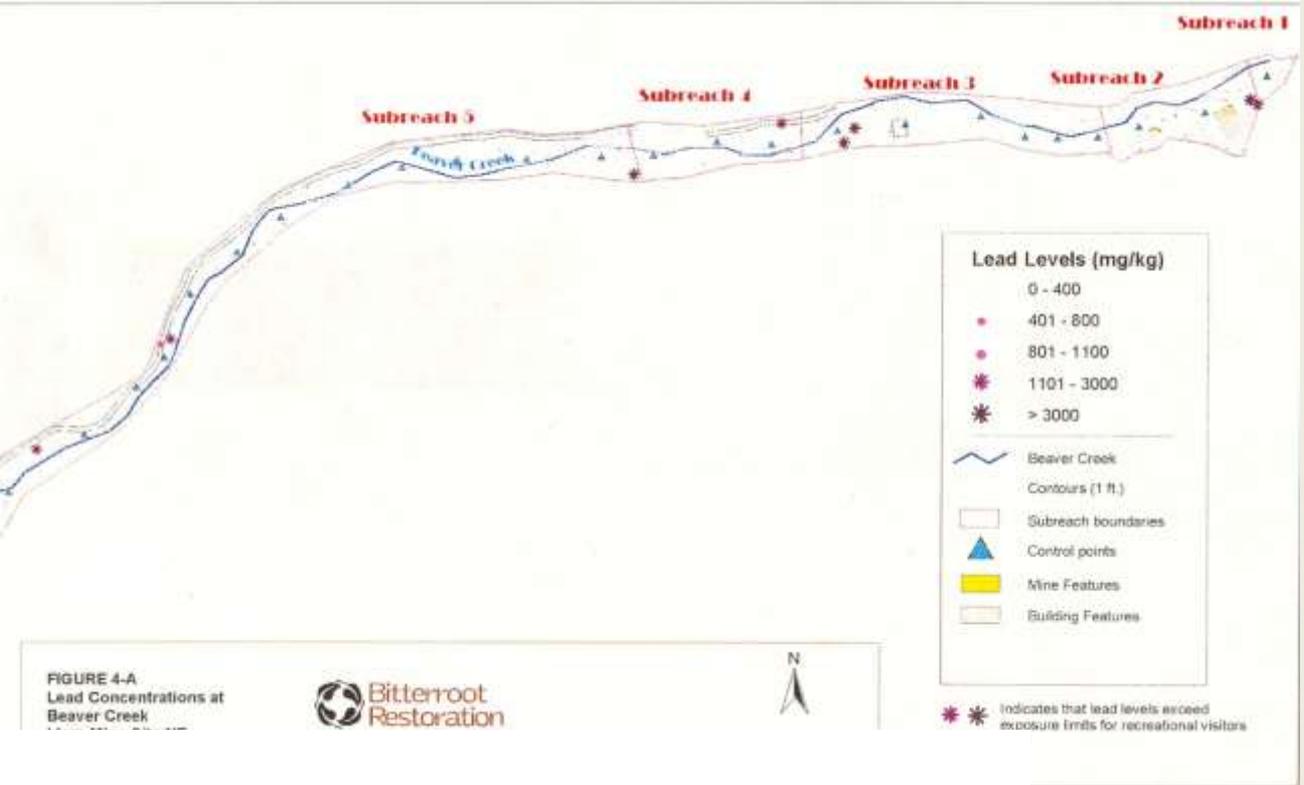
0 0.1 0.2 0.3 0.4 0.5 Miles



 No warranty is made by the Bureau of Land Management (BLM) for use of this data for purposes not intended by the BLM

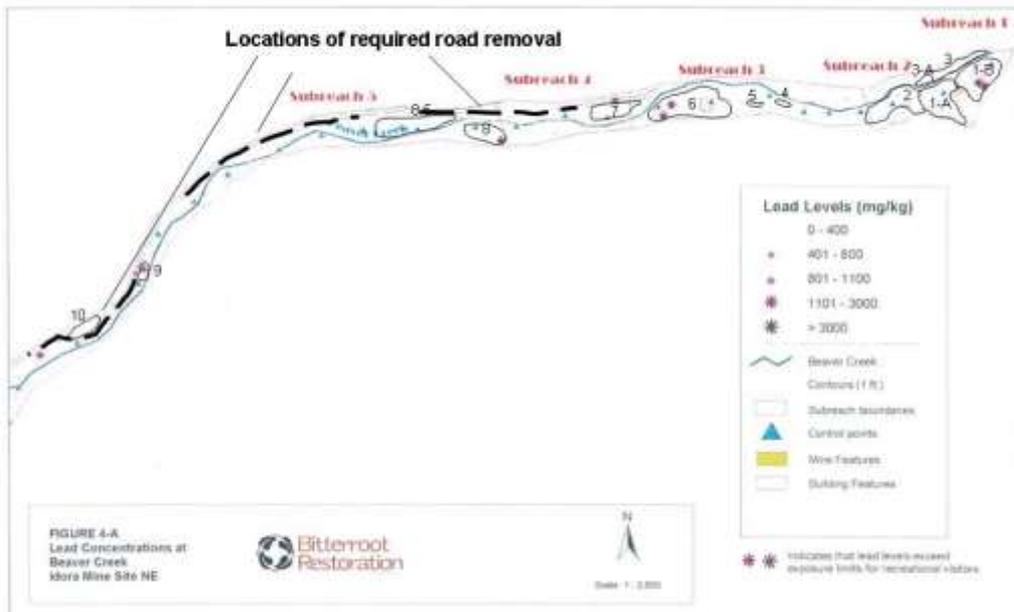
Surface Management

	BLM
	USFS



Contaminant Assessment

FIGURE 4-A
Lead Concentrations at
Beaver Creek



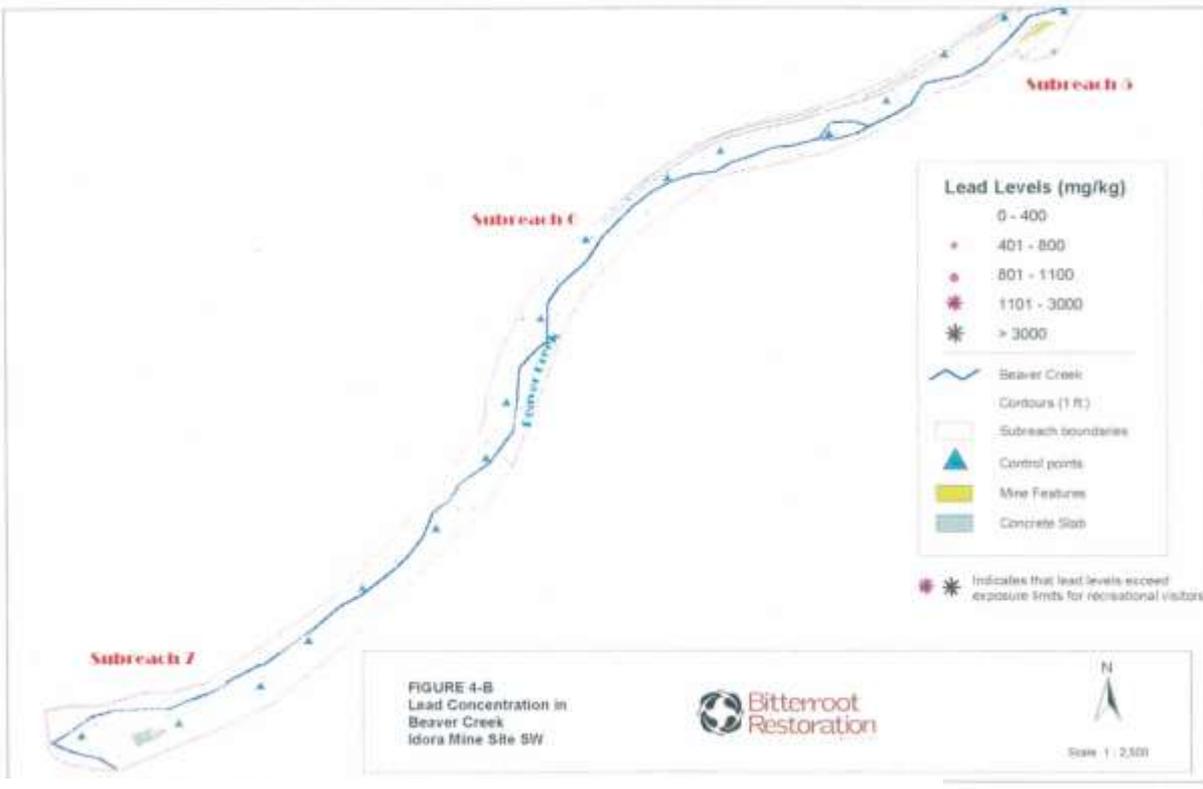
Removal Areas

FIGURE 4-A
Lead Concentrations at
Beaver Creek
Idora Mine Site NE



Scale 1 : 2,000

Contaminant Assessment



Removal Areas





Mill Site Pre-Removal



Tailings Removal



Post Removal Looking Up Valley Mill in Place



Mill Site after Full Removal - "Oversort" to be graded, capped with clean soil and re-vegetated



Mill Site – One Year Post Removal



Bunkhouse Site (Site 6) Pre-Removal



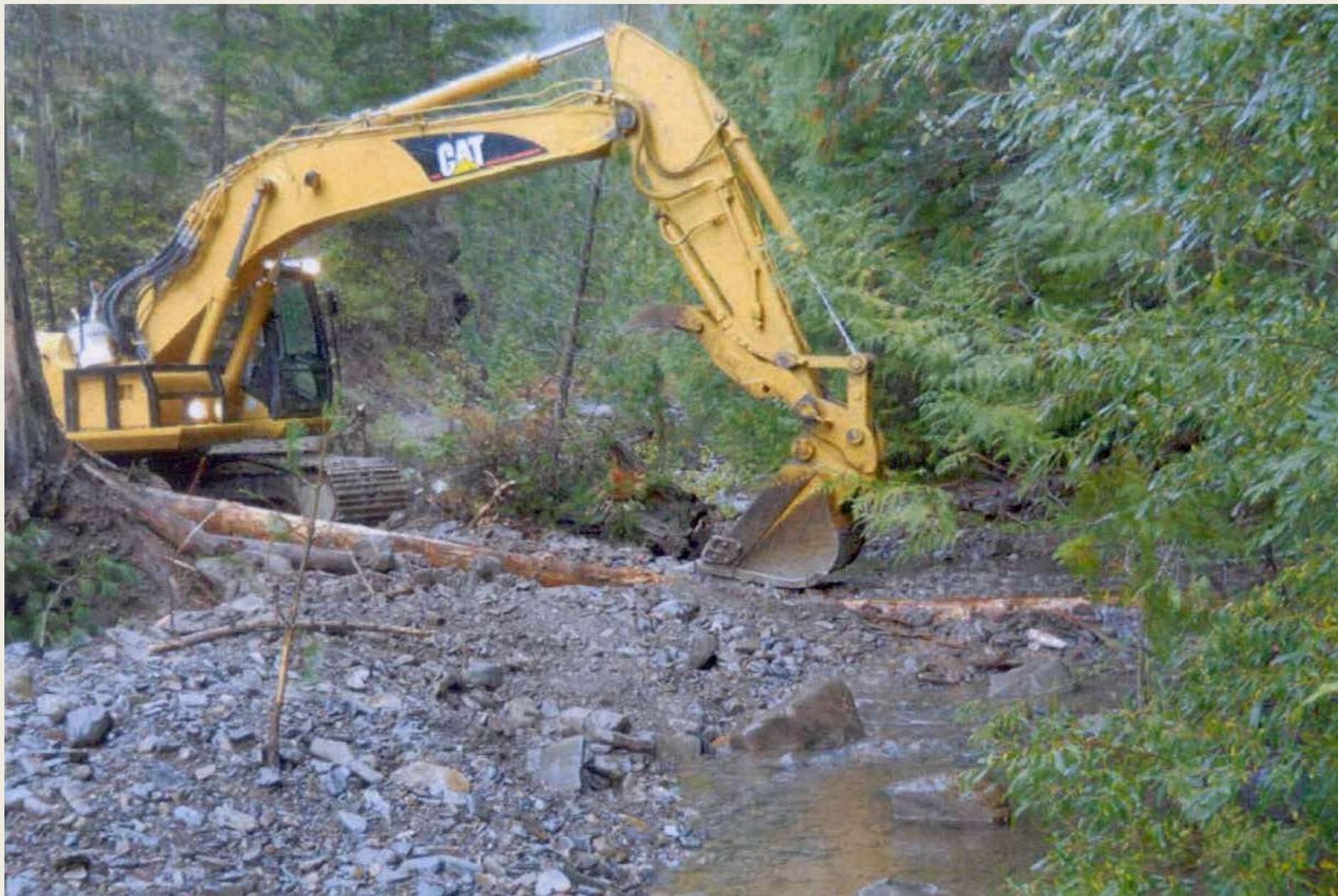
Alluvium Sorting on Site 6



Bunkhouse Site One-Year Post-Removal



Sorting Operation Moved to Lower End of Project Area



Stream Stabilization Structure Installation



Functional Stream Structures

Materials Removed/Stabilized

- 24,793 tons sediment removed or stabilized
- 341 tons lead removed
- 131 tons zinc removed



Monarch Cell –Prichard Repository – Post Beartop Removal Action



Cell Expansion to Accommodate Idora wastes



Idora Wastes Placed and compacted at Prichard Repository – Note Courser material from mill under sorted fraction



Crew Zip-Tying Geocomposite Sections.



Monarch Cell Spring after Closure



Monarch Cell with Erosion Control Measures Installed

Project Effectiveness to Date

- Lead concentration removal/barrier areas: 22 to 449 mg/kg
 - Human health risk level: 700 mg/kg; wildlife 500 mg/kg
- Arsenic concentration on barrier/removal areas: 4 to 33 mg/kg
 - Human Health risk level: 0.4 mg/kg; wildlife: 200 mg/kg
- Stream gravel lead concentration average lower, zinc , unchanged; however neither sample populations before or after statistically significantly different after one high discharge event



Monarch Cell – Prichard Repository