IDORA MILL/BEAVER CREEK

MINE TAILINGS REMOVAL ACTION
Contaminant Assessment

Removal Areas
Contaminant Assessment

Removal Areas
Post Removal Looking Up Valley Mill in Place
Mill Site after Full Removal - “Oversort” to be graded, capped with clean soil and re-vegetated
Sorting Operation Moved to Lower End of Project Area
Stream Stabilization Structure Installation
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 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