



Rumsey Mill

Craig Myers

Federal On-Scene Coordinator

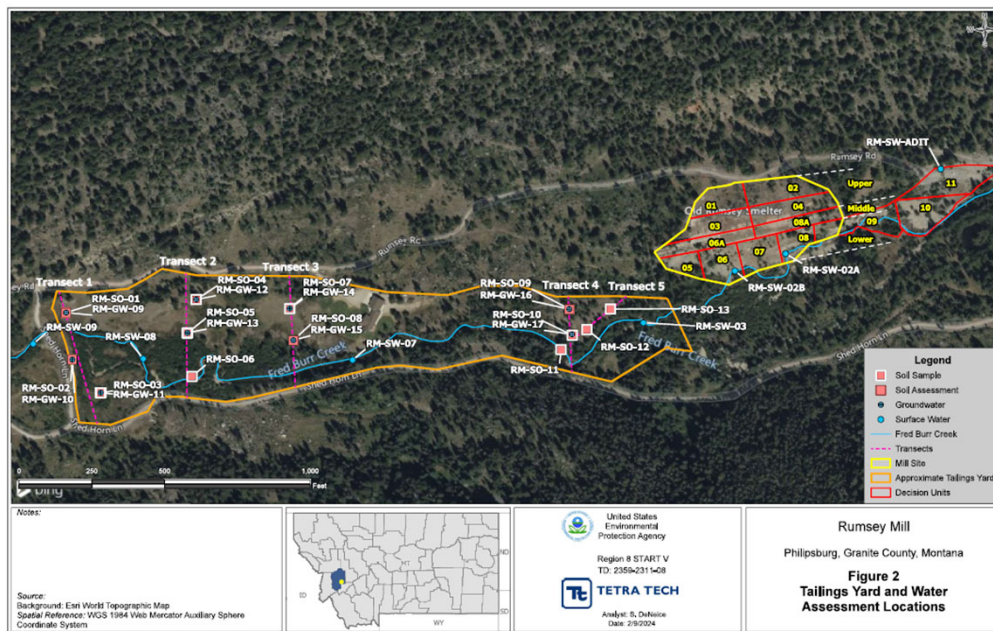


2020 investigation

- Soil, surface, water
- Identified mercury in the lower levels of the mill soils, arsenic in the upper levels
- Identified mercury in Fred Burr Creek
- Suspected that the source was the old mill



2023 investigation



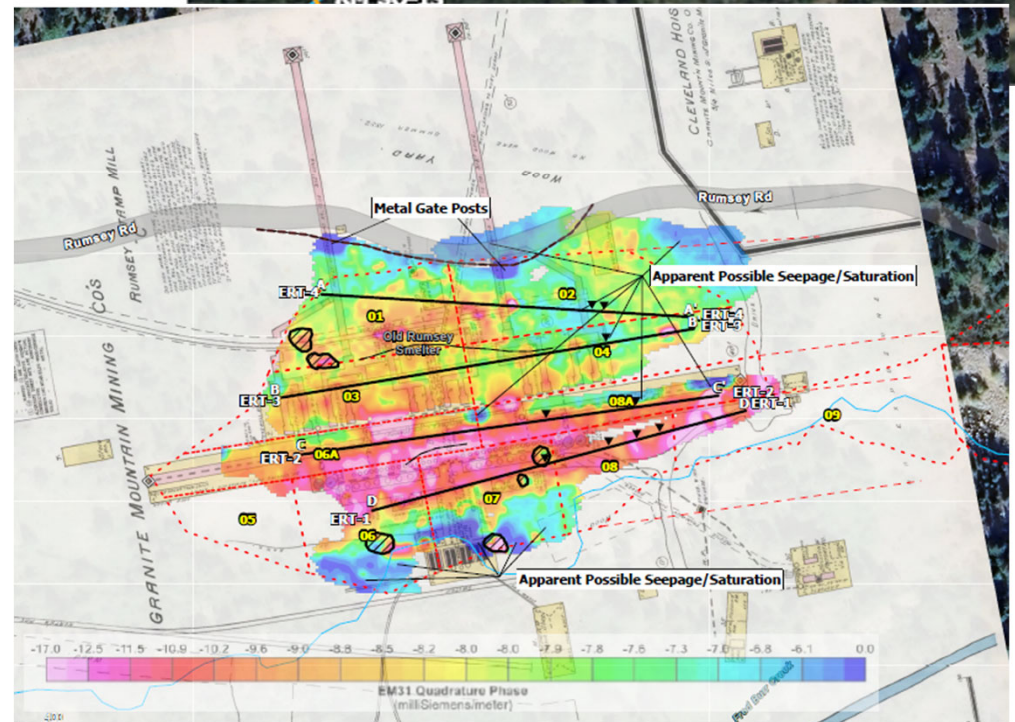
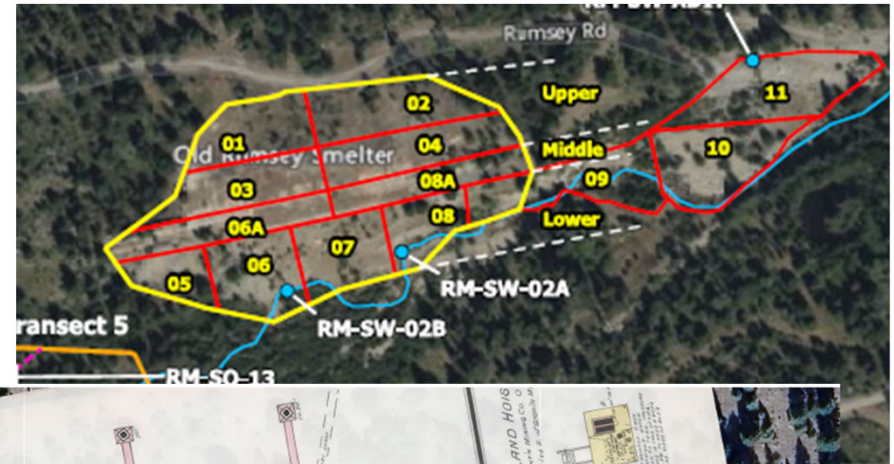
- Subsurface soils in the tailings yard, depth of soil in the mill footprint, surface water sampling
 - Added samples from the adit, and a seep at SW2B
- Ruled out tailings yard influence on Fred Burr.
- Identified SW2B as the mercury source in Fred Burr

2024 investigation

- Geophysics: evaluate source at SW2B and groundwater within the mill foundation
- Evaluation of water flow between SW2A and SW2B

Findings:

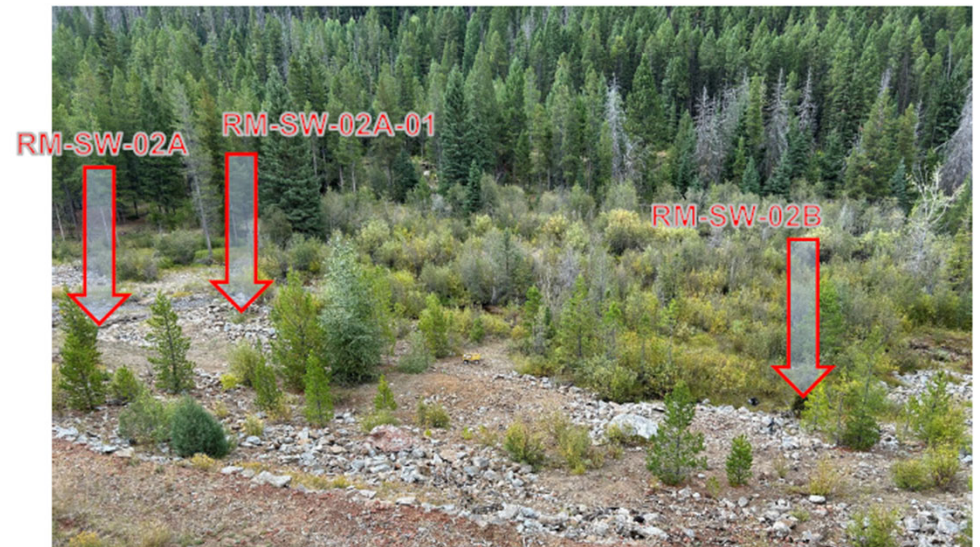
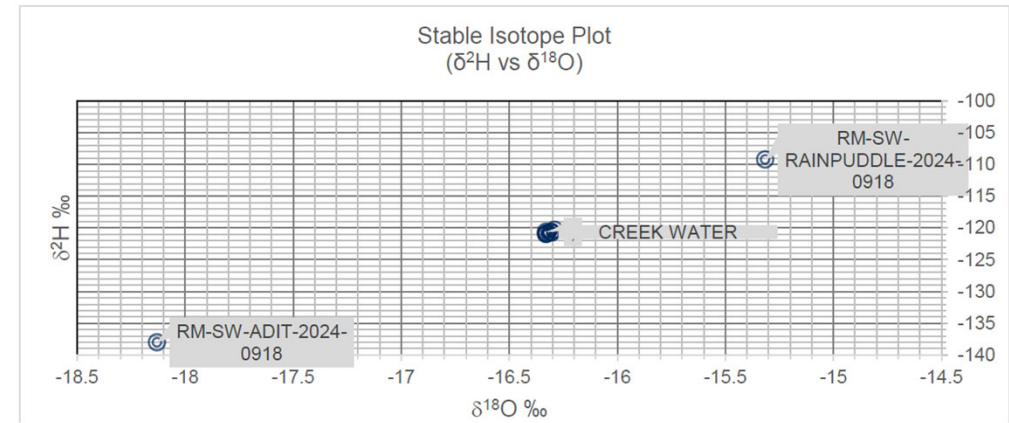
- No apparent spring/water impoundments or workings



2024 Investigation Continued

Findings (con't)

- Stable Isotopes: water at SW2B is likely surface water
- Confirmed water flows through waste pile (2A to 2B)
- Some sediments immediately below SW2B may warrant removal



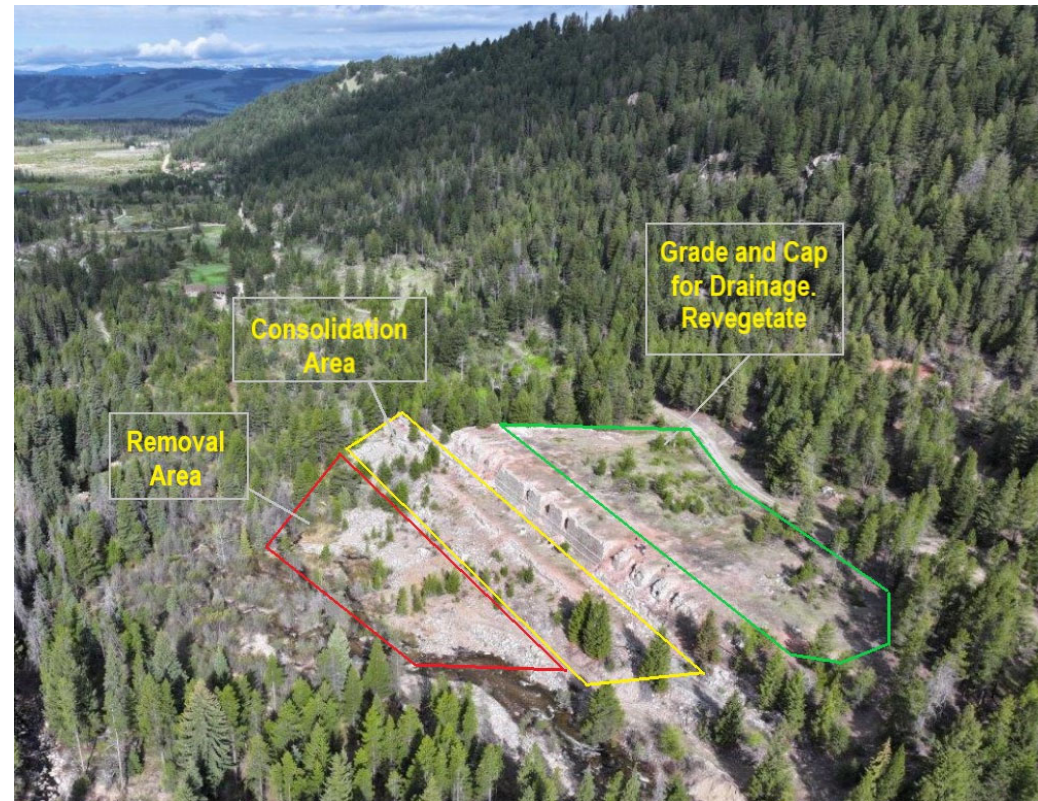
Construction (timeframe)

- Estimated start late August 2025
- Complete by mid October 2025
 - Facilitate seed germination and growth over winter
 - May require some reseeding/erosion repair depending on snow/melt conditions.



Construction (planned summer 2025)

- Temporary diversion of the creek
- Pull waste pile from the riparian area
- Extend the existing rock/rip-rap to armor the toe of the slope nearest the riparian area
- Grade/cap the consolidation area and other levels of the mill to prevent infiltration



Questions?

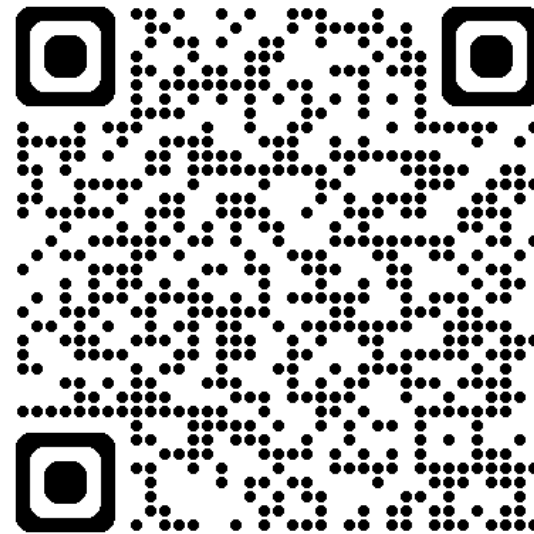
The Site/Project team is in the room to take them individually.

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<https://response.epa.gov/RumseyMill>

Website QR code:





Consolidation
Area

Removal
Area

Grade and Cap
for Drainage.
Revegetate