

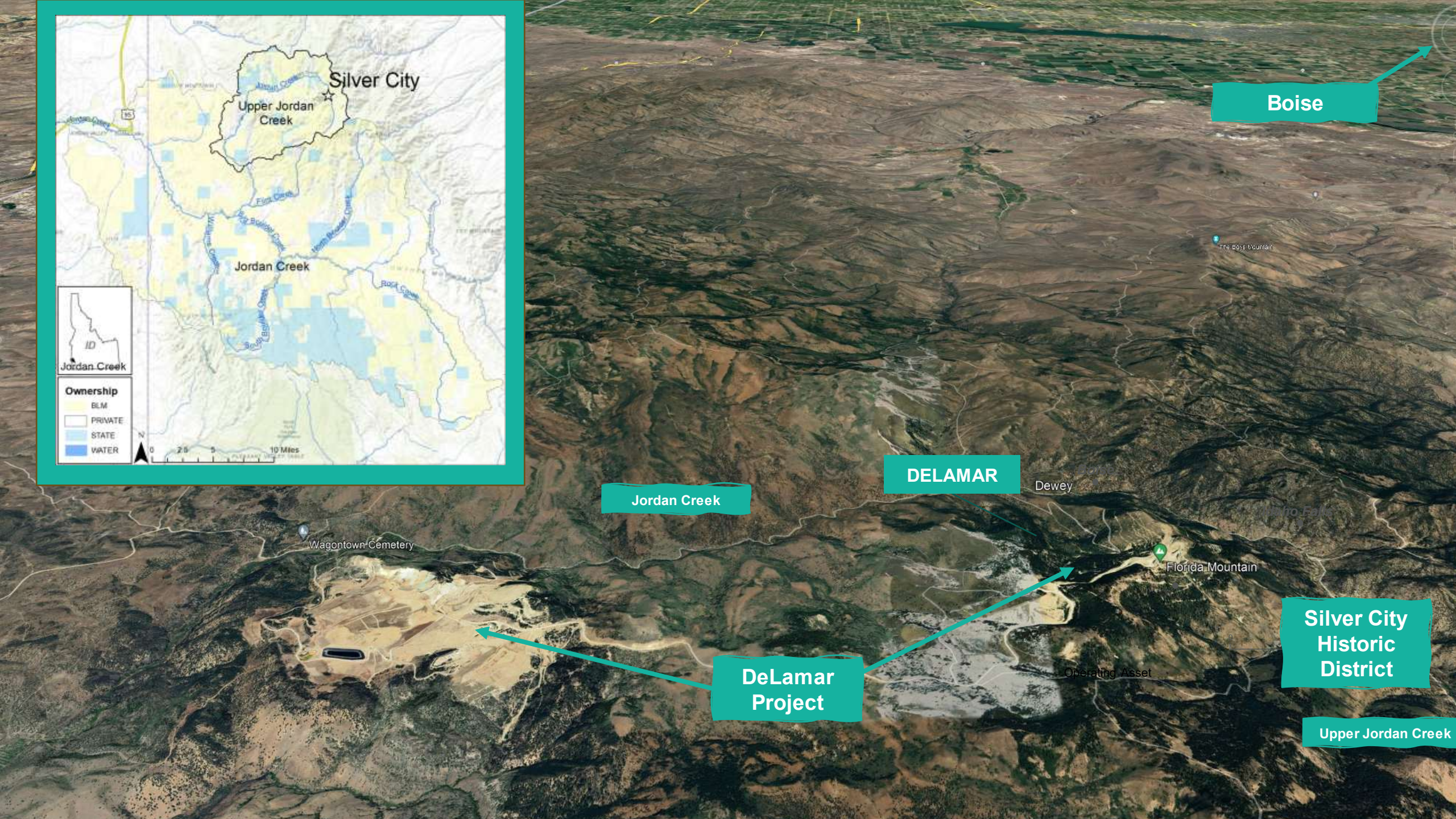
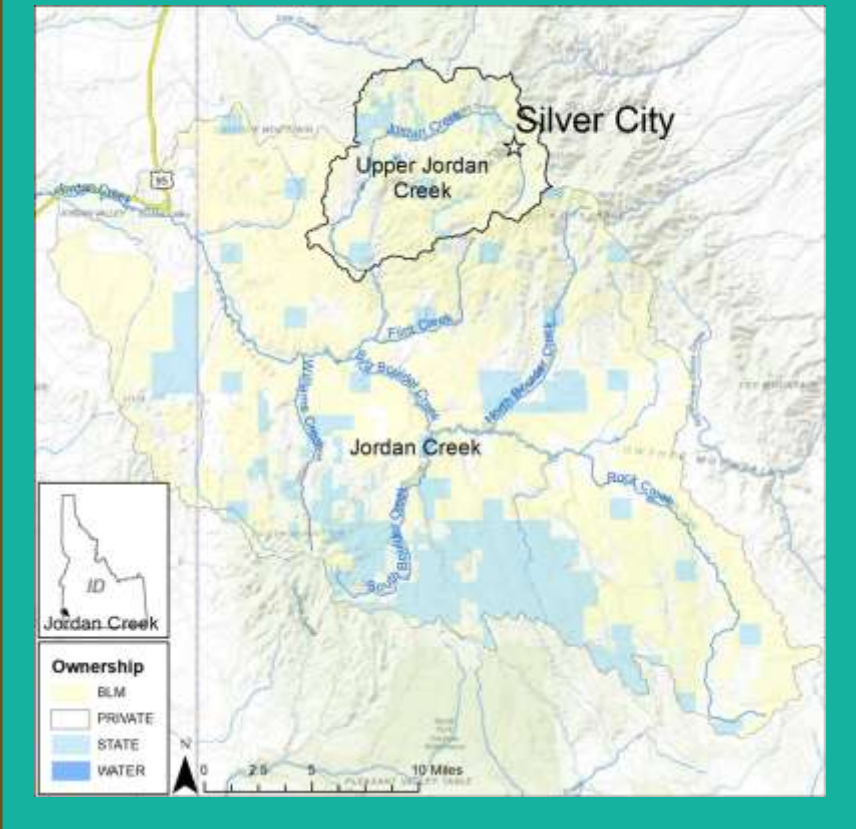


Partnership-Driven AML Remediation in Owyhee County, Idaho

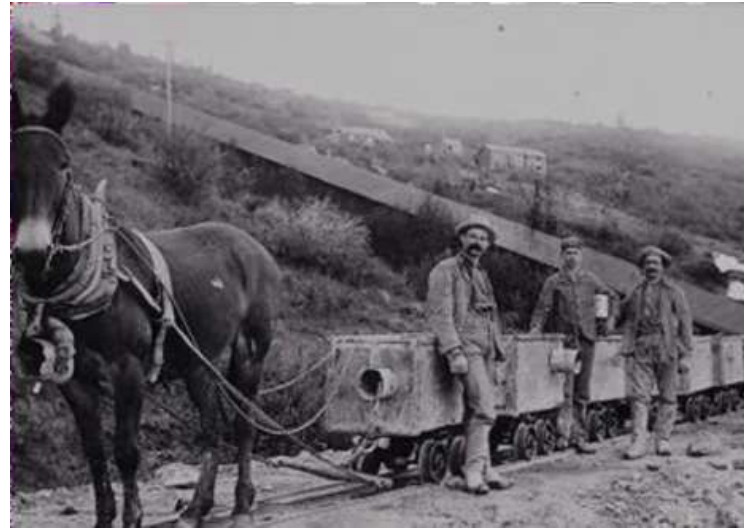
MMSA AML Symposium

August 4, 2026

INTEGRA
RESOURCES



Silver City, Idaho 1863 – Early 1900s



Silver City & the Upper Jordan Creek Watershed in 2026



Silver City & the Upper Jordan Creek Watershed in 2026

- 303(d) listed for mercury, with certain stream segments also listed for sedimentation and temperature.
- Well-known locally for mercury contamination - recreationists and local residents report “finding bottles of mercury” near Jordan Creek to this day
- 2010 EPA approved TMDL – Temperature
- 2025 Draft TMDL – Mercury
- Designated beneficial uses include cold water aquatic life, salmonid spawning, and primary contact recreation (IDEQ, 2025)
- Boasts a diverse fish community and important population of Redband Trout
 - Redband Trout tissue contain elevated levels of methyl mercury (Idaho Department of Environmental Quality (IDEQ) 2010)
 - Non-native Brook Trout are also present
- Fish passageway issues
- Ranks high for its native fish conservation value in the Upper Snake River Basin, and in the Owyhee River, per a native fish conservation assessment conducted by Trout Unlimited and its partners (Williams et al. 2019, Figure 2).

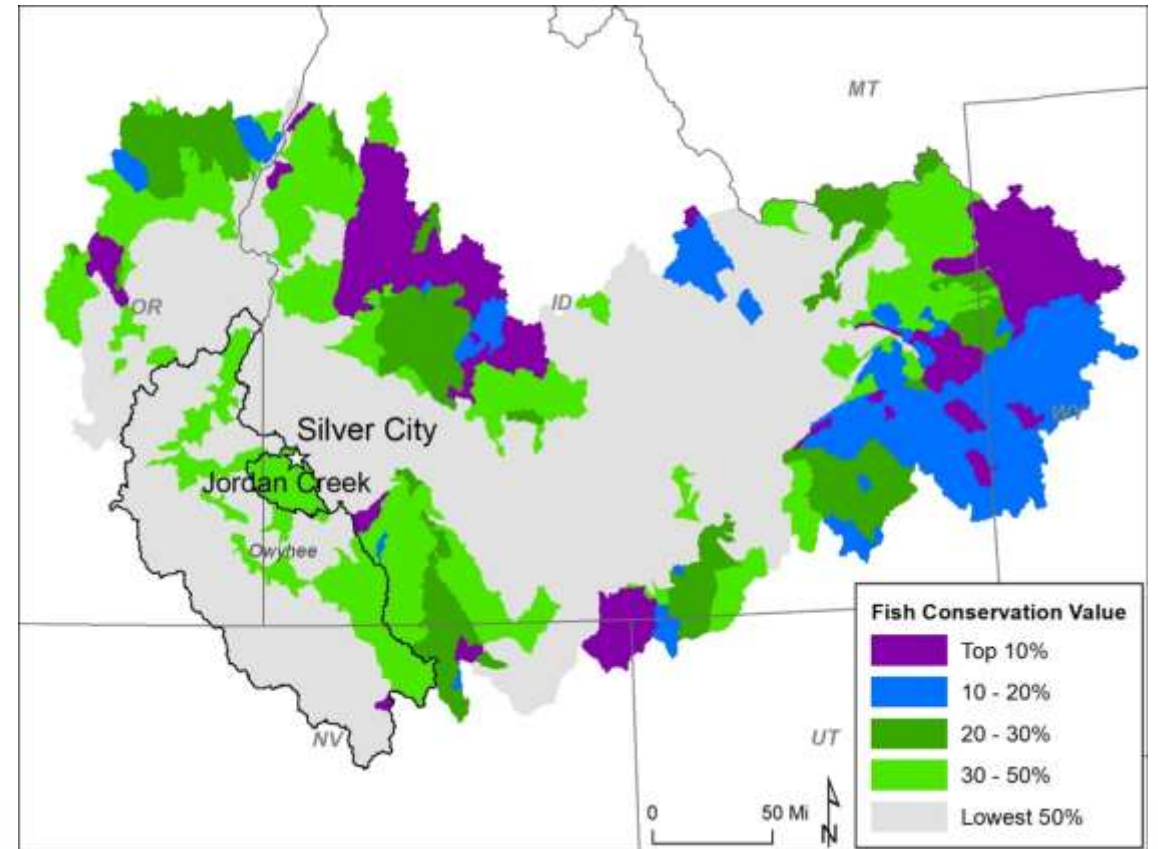


Figure 2. Upper Snake River (above Hells Canyon) conservation assessment highlighting landscape ranking (as a percentage) based on native fish conservation value, including for the Jordan Creek watershed in the Owyhee River subbasin (green within gray in Owyhee subbasin)

Power in Partnerships



- 8+ years of established social license and trust with local stakeholders
- Tribal partnerships
- Idaho agency and government relationships
- Land Access
- Mining expertise
- Financial support

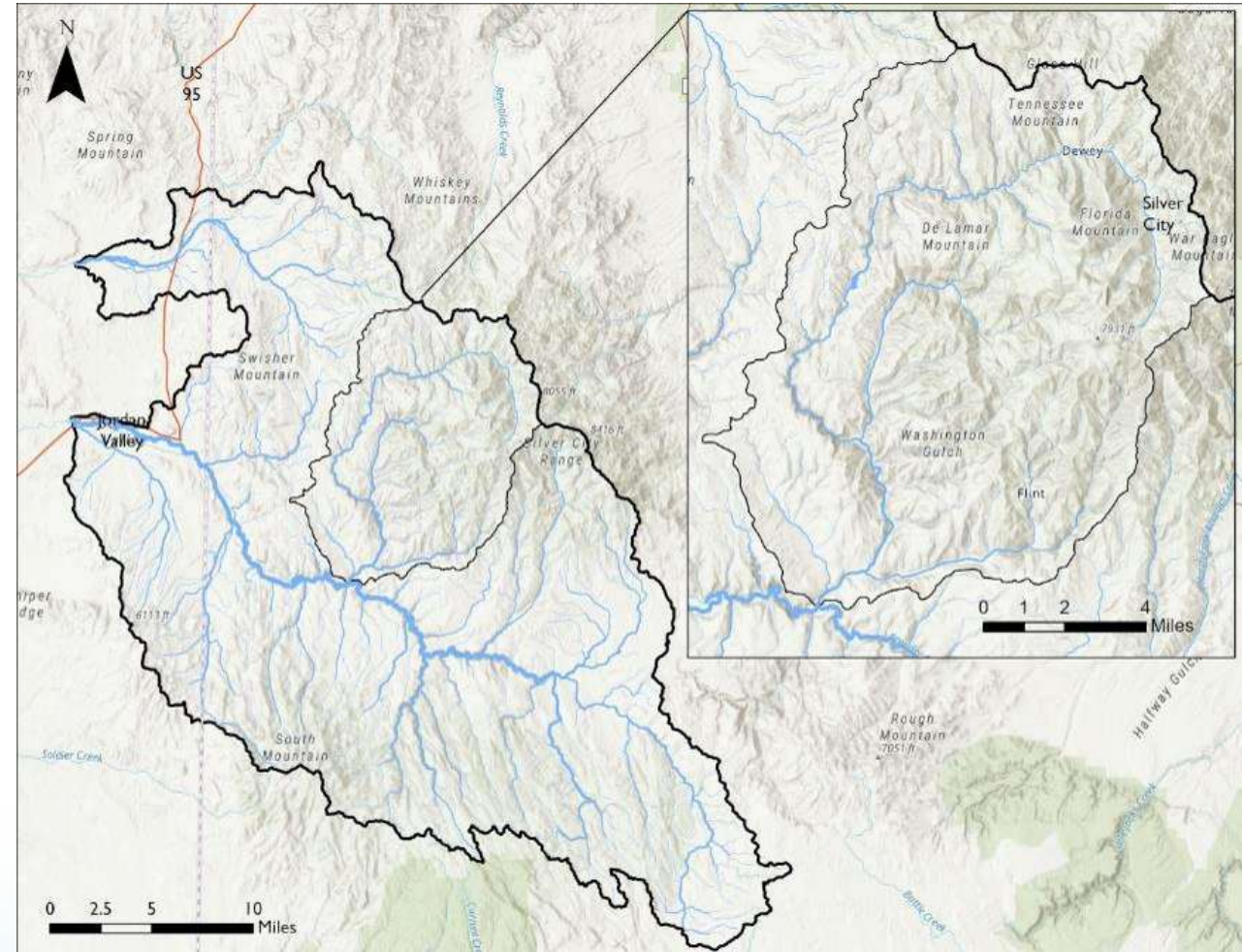


Signed MOU in 2021
To address Redband Trout
habitat in Jordan Creek – a
TU-identified priority

- AML expertise
- Good Sam Law and CERCLA expertise
- EPA relationships
- Ecological expertise
- Sampling and analysis methodology expertise
- Fundraising capabilities

Good Sam Opportunities in the Upper Jordan Creek Watershed

- Water chemistry issues stem from historical mining operations around Silver City, which primarily utilized mercury and amalgamation processes from the 1890s through the 1920s.
- Historical heavy mercury usage has translated to current fish consumption advisories downstream and 303(d) listings for mercury on Jordan Creek.
- Other pollutants such as temperature and sediment have also been listed for various segments in the Jordan Creek TMDL.
- Historical mining residue that occurs in the upper Jordan Creek watershed is in the form of waste rock, tailings, and other soils contaminated by past mining activities.



The Jordan Creek watershed is approximately 740,000 acres beginning in southwestern Idaho and continuing into Oregon to the west with an 8-digit hydrologic unit code (HUC 8) 17050108. The Upper Watershed, for the purpose of this sampling event, is considered Jordan Creek upstream of its confluence with Big Boulder Creek.

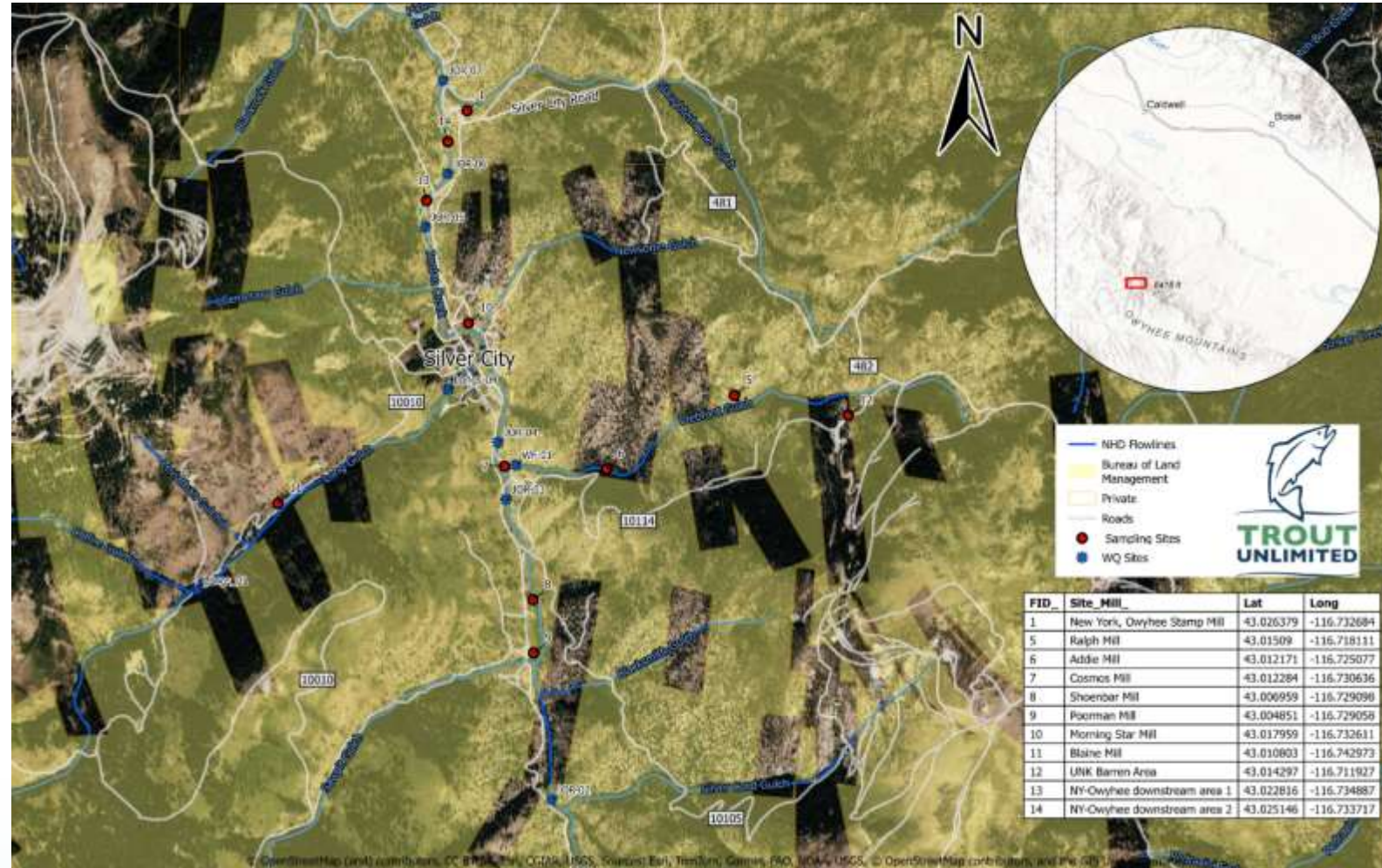
2026 Upper JC Watershed Sampling and Analysis Plan

- **Goal:** establish mercury contamination levels at selected mine/mill sites and features compared to baseline conditions in support of development of a potential future Good Samaritan project to mitigate mercury contamination/migration, in addition to improving in-stream habitat and stabilizing streambanks through revegetation.
 - Leverage past reports and 2021 TU sampling data to further refine and bracket suspected sources of contamination or impairment, while also identifying potential project locations where measurable improvement could be attained through reclamation.
- Assess surface water concentrations and loads of total mercury (THg), methyl mercury (MeHg) and other metals during higher flow conditions in the upper watershed.
- Conduct refined soil sampling at mill sites and floodplain deposits that yielded elevated results during 2021 sampling, and at new mine/mill features where prior access wasn't granted.

2026 Upper JC Watershed Sampling and Analysis Plan

• Process To-Date:

- Fall 2025 site visit
- March/April 2026 TU drafts SAP
- April 2026 Letters and Consent to Entry forms sent to private landowners
- May-June 2026 coordination meetings with EPA, BLM Field Office, and IDEQ to align on SAP and obtain BLM field authorization
 - Attempted to apply for an ISP through EPA but schedule was prohibitive – decided to move forward regardless
 - BLM required archaeological monitoring for soil sampling on known historic sites
- June 2026 notified Silver City Property Owners of sampling event
- June 2026 sampling goes off without a hitch!



Upstream of Silver City water quality monitoring locations signified by blue dots and former mill features shown as red dots. Sites shown in this figure will seek to evaluate conditions in Long Gulch and the headwaters of Jordan Creek.

Why a Good Sam Project in the Upper Jordan Creek Watershed is Right for Idaho

- 303(d) listed and existing TMDLs
- Silver City Historic District designation
- High-use area for off-road recreation, hunting, fishing, ranching, and camping
- Proximity to Boise/Treasure Valley makes the area a popular tourist destination – high visibility project potential
- Nexus with Redband Trout habitat restoration
- Proximity to DeLamar Mine Project – equipment, resources, social license
- Strong existing relationships with Silver City Property Owners, Tribal Nations, recreationists, ranchers, and agencies - all on board with the concept and willing to collaborate
- Future work would focus on dry, non-point source reclamation of tailings or waste rock to reduce THg in a “low risk” situation.



Good Sam – Proposed Schedule



Upper Jordan Creek Good Sam Challenges and Opportunities

Challenges:

- Complex land and claims ownership on private property makes Good Sam “Responsible Owner Operator” investigation challenging
- Potential for methylation of mercury in riparian design
- Local mistrust of federal agencies, specifically EPA
- One project won’t “fix” Jordan Creek
- Historic mine/mill sites considered protected historic properties, requiring mitigation

Opportunities:

- Plenty of time to address ownership/ROO
- Strong agency collaboration
- Opportunity to improve local perception of federal agencies through a collaborative effort
- Tribal partners are supportive and interested in ensuring project design is informed by Indigenous Knowledge and in participating in construction activities
- Aligning interests with local stakeholder in addressing historic mining impacts



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