

Panel 2: Stakeholder
Insights on Legacy Mine
Lands – Making
Improvements One
Watershed at a Time.

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Trout Unlimited's Role on AML Projects



- Acting as a Good Samaritan, voluntarily cleaning up contamination at an Orphan Mine Site under CERCLA
- Altering the PRP mindset, where feasible....
 - Governor Basin Ouray, CO. TU initially seeking a Good Sam ASAOC, but now working with EPA, USFS and OSMI as a willing PRP
- Working with agencies to streamline or create a more standardized approach for AML projects
 - EPA R8 making strides w/ two Good Sam OSCs
- Advocate for Good Sam legislation while continuing to complete AML reclamation projects



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2021 TU CO AML Program Totals



- \$1.31 Million towards sampling/analysis, design, and construction costs
- I 0 projects across the State
- TU continues to build upon existing model that supports local businesses and economies.
 - TU CO AML program work has recently averaged \$1.18 million to Colorado Economy.
 - Notably important to suppliers, contractors, businesses.



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Notable Successes in Other Aspects of TU AML Model



- TU Empowering lower income and rural communities where AML problems still exist.
 - Partnership in Creede, CO w/ Headwaters Alliance where TU in-kind funding has allowed for mentorship & education around AML and river projects.
 - Resulting in tangible designs, procurement documents, funding, and future on-the-ground restoration.
- Educating the next generation of AML practitioners
 - WCU guest lectures, University field trips, CSM graduate challenges, and CMC and CSU partnership



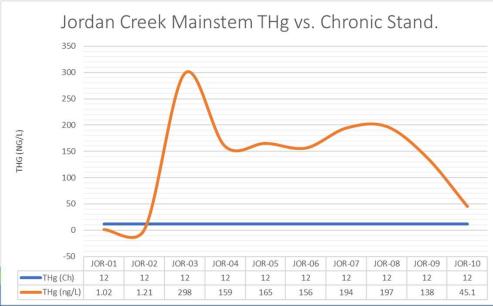


Other Industry Collaborations – Redband Trout and AML



- Upper Jordan Creek Assessment near Silver City, ID partnering with Integra Resources/DeLamar Mining
 - Collaborating with IDEQ, IDFG, EPA and other stakeholders
- October 2021 low-flow sampling to bracket suspected Hg sources in upper watershed
 - Also monitored soil chemistry,
 stream/riparian health, & culvert conditions
 - Subsequent report recommending short & long-term approaches for reclamation based on Eco SSL, Human Health, WQ, etc.
 - Types of projects: AOP, habitat, THg source reduction, road improvements, and revegetation





AML BMP Effectiveness Study



- Working with CDPHE and DRMS to determine effectiveness of current BMPs in the industry.
- Six 319 Non-point source funded projects across CO
- Cooking at parameters such as:
 - WQ, loading, benthics, fish
 - Soil chemistry and vegetation success
 - Cap function and Run-on/Run-off longevity
 - Bulkheads
- Goal is to create standardized effectiveness measures to help tell the story of success.



Questions/Comments?



Thank You! – Jason Willis – jason.willis@tu.org

Motto: Our AML work is clean-enough for your.... Dog...







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