



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



## 2021 TU CO AML Program Totals



- ✎ \$1.31 Million towards sampling/analysis, design, and construction costs
- ✎ 10 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.



## 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



Jordan Creek Mainstem THg vs. Chronic Stand.



## 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
- ✦ Looking 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](mailto:jason.willis@tu.org)

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

