



University of Nevada, Reno



THE UNIVERSITY OF ARIZONA
School of Mining &
Mineral Resources



COLORADO SCHOOL OF MINES
EARTH • ENERGY • ENVIRONMENT



SUMMIT AGENDA

Improving Abandoned Mine Lands - Building Trust & Taking Action

April 6, 2022 – 7:30 AM to 5:00 PM

Holiday Inn & Suites Phoenix Airport, 3220 South 48th Street, Phoenix AZ 85040

Keynote Session (8:30 AM – 10:15 AM)

Moderator: *Ann Carpenter, Chair, MMSA Abandoned Mine Lands Committee; SRK Associate*

Session Objective: Provide status updates on Good Samaritan legislation, administrative remedies and overall progress on improving Abandoned Mine Lands across different jurisdictions.

Good Sam Legislation: How Discussions Between Stakeholders and Legislators Have Evolved Since 2018

Tawny Bridgeford – Deputy General Counsel & Vice President, Regulatory Affairs, National Mining Association

Conservation Perspectives on AML Progress

Corey Fisher – Public Land Policy Director, Trout Unlimited

State of Arizona Perspectives on AML Progress

Natalie Muilenberg, PMP, CAPM – Program Manager, Watershed Improvement Unit, Arizona Department of Environmental Quality

Navajo Abandoned Mine Lands Reclamation Activities

Melvin H. Yazzie – Principal Mining Engineer, Navajo Abandoned Mine Lands Reclamation Department (NAMLRD)

Coffee Break (10:15 AM – 10:30 AM) - Compliments of MMSA

Stakeholder Insights on Legacy Mine Lands (10:30 AM – 12:30 PM)

Moderator: *Jeff Parshley – Corporate Consultant (Mine Closure), SRK Consulting*

Session Objective: Examine how lessons learned by industry, land managers, conservation organizations, academia and other stakeholders can be leveraged for future success on legacy mine lands. Case studies in project planning, collaboration, site characterization, success monitoring and ongoing field research will be shared.

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Quantifying Abandoned Mine Lands in the US

Jeffrey L. Mauk, PhD – Research Geologist, Geology, Geophysics, and Geochemistry Science Center, USGS

Where Does the Iron Terrace Technology Fit on the Periodic Table of Passive Treatment?

James Gusek, P.E. – Senior Project Manager, Linkan Engineering

New Mexico AML Project: Inventory and Characterization of Inactive/Abandoned Mine Features

Virginia McLemore, PhD – Principal Senior Economic Geologist and Minerals Outreach Liaison, New Mexico Bureau of Geology and Mineral Resources, New Mexico Institute of Mining and Technology

Making Improvements One Watershed at a Time

Jason B. Willis, P.E. – Colorado AML Program Director, Trout Unlimited

Implementing Best Practices in Site Improvement and Revitalization: Planning for Net Positive Impact at the Cactus Mine

*Travis Snider – VP Sustainability and External Relations, Arizona Sonoran Copper Company
Adam Hawkins, Arizona Sonoran Copper Company*

Using Biochar and Traditional Environmental Knowledge to Revitalize Legacy Landscapes in the Sierra Nevada

Carrie Monohan, PhD – Program Director, The Sierra Fund

Lunch (12:30 PM – 1:30 PM) - Compliments of MMSA

Tribal Monitor Program: A Model for Collaboration on Mine Impacted Landscapes in AZ (1:30 PM – 3:00 PM)

Session Moderator: *Ann Carpenter / Jeff Parshley*

Session Objective: Presenters will participate in an interactive roundtable discussion, presenting their diverse perspectives on mine impacted landscapes and how emerging tribal monitoring programs are helping to advance mine site reclamation and permitting efforts. Discussions will also focus on how best to integrate these practices into AML work across the West.

Panelists

Willard Antone III, Sr. Manager – Permitting & Approvals, Resolution Copper

Maricela Solis De Kester – BHP Manager of Corporate Affairs for Legacy Assets

LeRoy Shingoitewa – Hopi Tribe, Tribal Monitor Group Manager, WestLand Resources

Bernadette Carra – Ak-Chin Indian Community, Field Director, WestLand Resources

Avi Buckles – Director, WestLand Resources

Break (3:00 PM – 3:15 PM) - Compliments of MMSA

Afternoon Summary & Closing Remarks Session (3:15 PM – 4:00 PM)

Session Moderators: *Ann Carpenter / Jeff Parshley*

Session Objective: Continue reflecting on the information and ideas shared earlier in the day and in previous summits, informal Q&A will focus on the below:

1. Define what a successful AML project looks like (site characterization criteria, release metrics, etc.)
2. Create a list of potential candidate pilot/demonstration sites in the Western US and rank them
3. Add to the growing list of known partnerships and collaboratives working on AML
4. Identify new organizations to invite to the coalition
5. Suggestions for “next steps” to build more momentum to advance AML work

Closing of Summit (4:00 PM)