

**US Geological Survey Hard-Rock Abandoned Mined Lands Workshop
Agenda (as of 9/20/02)**

*“Metals in watersheds—Developing a USGS strategic plan for integrated studies
for public lands restoration”*

When: October 22-24, 2002

Where: U.S. Geological Survey, Building 810 Auditorium
Denver Federal Center, Denver, CO

Tuesday, October 22, 2002

**Day One: Interagency Coordination: Where We Are And Where We're
Going**

- 7:30-8:00 Poster and Coffee Set-up
- 8:15-8:30 Welcoming Comments: *Paul von Guerard, USGS*
- 8:30-9:00 Integration of AML Research in the USGS Future Science
Directions, *Thomas Casadevall, USGS*
- 9:00-10:00 Integrated USGS AML Science on the Boulder River Watershed,
Montana, *David Nimick, USGS*
- 10:00-10:30 Break and Poster Session
- 10:30-11:30 Integrated USGS AML Science on the Animas River Watershed,
Colorado, *Stanley Church, USGS*
- 11:30-12:00 Lessons Learned in AML Integrated Science, *Briant Kimball, USGS*
- 12:00-1:00 Lunch (brought in)
- 1:30-2:30 FLMA Perspectives On USGS Abandoned Mine Lands Initiative
Demonstration Projects: What needs were met? What needs were
not met? What are the next steps for the regional and watershed-
level FLMA-USGS relationships? How will FLMA needs change in
the future?
- 1:30-2:00 Boulder River Watershed, *Ray TeSoro, USFS*
- 2:00-2:30 Animas River Watershed, *Rob Robinson, BLM*
- 2:30-3:00 Break
- 3:00-5:00 Panel I: Agency Roles, Needs and Issues Related to Interagency
Coordination on Hard Rock AML Issues
Moderator: Sue Haseltine (USGS)

Participants: Everett Wilson (USFWS); Donna Kim (USFS); BLM Representative (TBD); David Shaver (NPS); Dan Noble (BIA); Kate White (USACE); Joe Galetovic (OSM); Shahid Mahmud (USEPA)

Wednesday, October 23, 2002

Day Two: Results From USGS Abandoned Mined Land Initiative and Other USGS Mining-Related Studies

- 8:30-9:00 Coeur d'Alene, Idaho, *Laurie Balistreri, USGS GD*
- 9:00-9:30 Effects of Toxic Metals on Biota in the Clark Fork River, Montana, *Daniel Can and Michelle Hornberger, USGS WRD*
- 9:30-10:00 Studies on Pinal Creek, Arizona, *James Brown, USGS WRD*
- 10:00-10:30 BREAK and POSTER SESSION
- 10:30-11:00 Using Synoptic Sampling and Solute Transport Modeling in the Development of Total Maximum Daily Loads for Trace Metals, *Katherine Walton Day, USGS WRD*
- 11:00-11:30 Impacts To Stream Ecosystems Related To Mining, *Chris Schmitt, USGS BRD*
- 11:30-1:00 LUNCH (brought in) and POSTER SESSION
- 1:00-1:30 Natural Resource Damage Assessment And Restoration Program: Focus On Hard Rock Mining Issues, *Susan Finger, USGS BRD*
- 1:30-2:00 Eastern Region Hard-rock AML Research, *Robert Seal, USGS GD*
- 2:00-2:30 AML Research Activities by USGS National Mapping Discipline, *Tom Owens, USGS NMD*
- 2:30-3:00 BREAK and POSTER SESSION
- 3:00-3:30 Geoenvironmental Models, *Richard Wanty, USGS GD*
- 3:30-4:00 Metal Pathways in Watersheds, *Aida Farag, USGS BRD*
- 4:00-4:30 Future AML Science Issues, *Kirk Nordstrom, USGS WRD*
- 4:30-5:30 POSTER SESSION

Thursday, October 24, 2002

Day Three: Develop Integrated, Multi-Discipline USGS Research Goals for AML-Related Issues

8:30-10:00 Panel II: Future Science Needs Related to the Effects of Toxic Metals in Watersheds Impacted by Hard-Rock Mining and Restoration of Public Lands (FLMA Science Advisors)

Kate Johnson, Moderator; Jim Dunn (EPA); Karl Ford (BLM); Jeff Johnson (USFS); Kate White (USACE); Gary Rosenlieb (NPS); Larry Gamble (Fish and Wildlife)

10:00-10:45 Panel III: Program Planning for Future USGS AML Activities

Participants: Sarah Gerould (Biological Contaminants Program); Kate Johnson (Mineral Resources Program); John Findley (Geographic Applications and Analysis Program); and Herb Buxton, (Toxic Substances Hydrology Program)

10:45-11:00 Break

11:00-12:00 Establish And Charge The Breakout Groups To Help Identify USGS Science Directions That Will Support FLMA Partner's Needs

12:00-1:00 Lunch (brought in)

1:00-3:00 Breakout group discussions: Goals for future integrated science for USGS

3:00-3:30 Break

3:30-5:00 Report-backs and discussion on common themes from breakout groups and Summary Discussions