

Workshop: Some ins and outs of surface water sampling, site characterization, and remediation

Saturday July 24, 2010 (8:45 am – 4 pm)

ORGANIZERS

This workshop is sponsored by the Mountain Studies Institute and is directed by David Borrok of the University of Texas at El Paso and Rich Wanty, Rob Runkel, and Phil Verplanck of the U.S. Geological Survey in Denver, CO.

LOCATION

Upstairs of the Silverton Town Hall,
1360 Greene Street, Silverton, CO

WORKSHOP THEME AND FORMAT

The workshop will focus on the USGS methodologies for surface water sampling and site characterization (<http://water.usgs.gov/owg/FieldManual/>); but will also examine peripheral topics such as sampling pitfalls and remediation activities for waters impacted by acid mine drainage. The format for the workshop will be a series of informal, seminar-style talks and discussions that touch on these key topics.



PARTICIPANTS

Everyone is invited. Please RSVP to Debra Childers, finance@mountainstudies.org
Please include the name, affiliation (if any), mailing address, phone, and email for each person attending.

SCHEDULE

8:45 – Sign in and Coffee
9:00 – Introductory remarks
9:15 – Sampling strategy, daily and seasonal fluctuations, etc.; David Borrok, UTEP
10:00 – Field measurements (Eh, pH, Alkalinity, etc.); Rich Wanty, USGS
10:30 – Break
10:45 – Filtering and QA/QC; Phil Verplanck, USGS
11:15 – Characterization of contaminants in mountain watersheds using both element concentrations and loads; Rob Runkel
12:15 – Break for lunch (bring your own brown bag style)
13:15 – Remediation efforts in an AMD-impacted stream: The Rio Tinto, Spain; Manu Caraballo (Univ. of Huelva, Spain)
13:45 – TBD
14:15 – Field demos
16:00 – Silverton Brewery (optional)