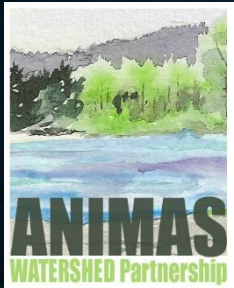


ANIMAS RIVER COMMUNITY FORUM AND PARTNERS ACCOMPLISHMENTS



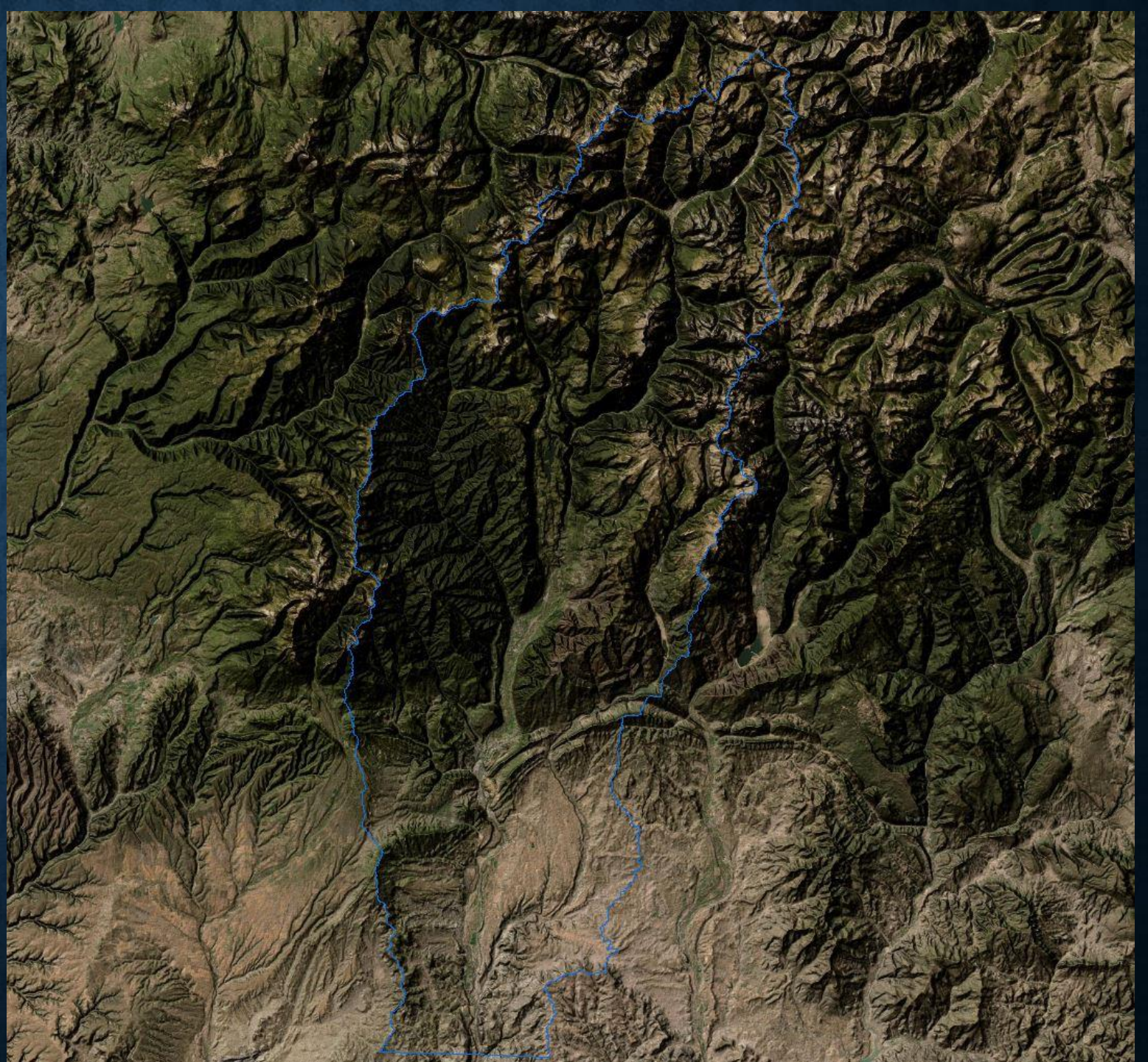
Animas River Community Forum

Disseminated information
at the most local and
credible level



Gathered local, state and tribal officials, stakeholders and experts to interpret complex data and put the data in context for public dissemination

Animas River Community Forum



Animas River Community Forum



Focused on getting immediate and long term post-spill information to ourselves and to the public

Created a local collaborative effort so residents didn't feel abandoned by a complex, bureaucratic and faceless governmental response



Animas River Community Forum



Animas River Community Forum

Developed a community forum and process to voice, to express our concerns, frustrations, and success among people who understood the impact to our area, environmentally, socially, and economically

Animas River Community Forum

Designed and distributed a River Concern Survey and received 185 responses from Comm. Members in CO and NM within a 4-week period



Animas River Community Forum Survey

Do you care about the Animas River? Want to help the river? Please take a few minutes and complete the survey to help us provide information that enables you to make informed, confident decisions about your use of the Animas River and its contributions to our quality of life.

Thank you for taking the time to help us help you and the Animas River!

The Animas River Community Forum, www.animasrivercommunity.org, is a diverse group of community members who recognize that there is a gap between information generated and information delivered about the health and condition of the Animas River. To better bridge the Animas River information gap, we need to understand your concerns.

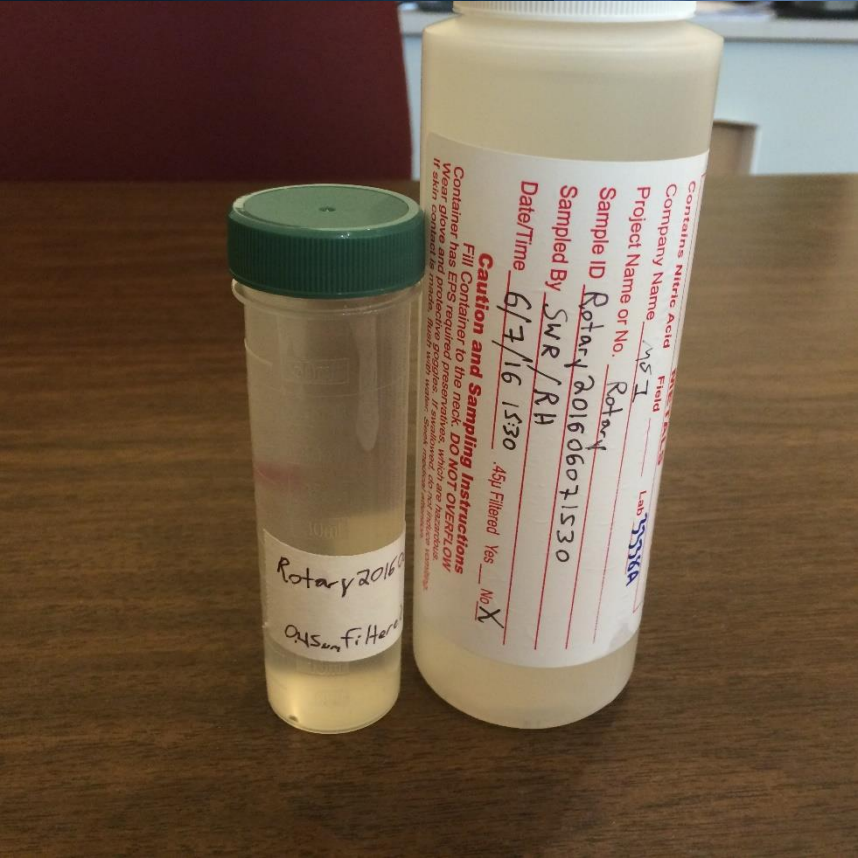
All survey responses will be kept private. No identifiers linking you to this survey will be included in any information published or shared with others. A summary of the findings will be provided on the Forum's website www.animasrivercommunity.org and will be used to develop a long-term data and information dissemination plan for the public.

1. How do you use the Animas River in your living and working life?

2. What segment of the Animas River are you most concerned about (check all that apply)?

Above Silverton

Compiled a database
of current Animas
River monitoring
efforts



Animas River Community Forum



Conducted meetings with over 50 participants- sometimes over 100 participants



Responded to a 200+ Journalists' inquiries including several radio interviews



Conducted 23 presentations and tours to numerous groups





Facilitating testing of several fledgling treatment technologies in the Gladstone area



Provided a forum for presenting treatment technologies

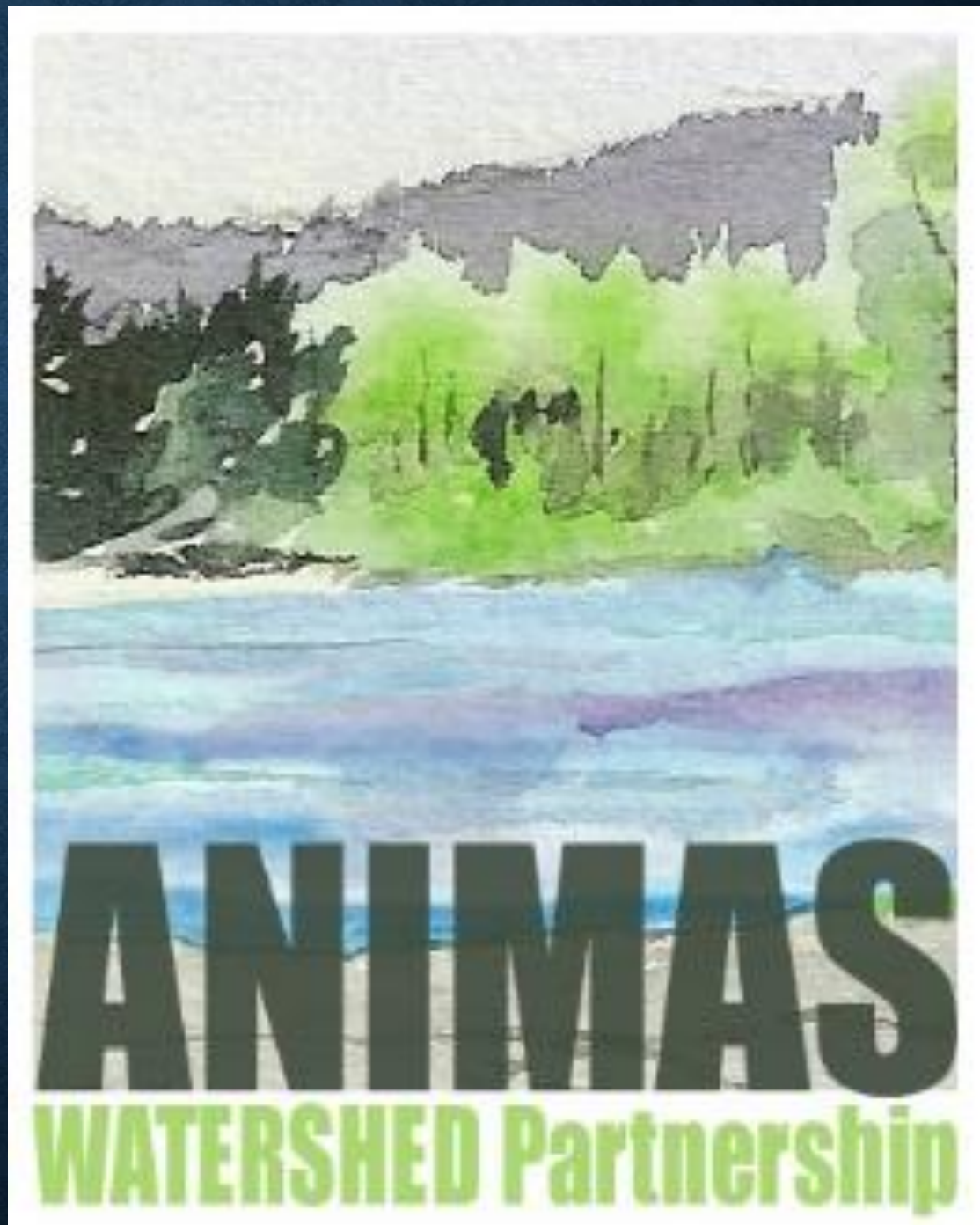


Collected water quality data in tributaries for Mineral Creek and in Arrastra Gultch

Working on
completion of the
Bullion King
Mine Waste site.



Raised funds to support
the Animas River
Community Forum



ANIMAS WATERSHED PARTNERSHIP

A story map



Story Journal of Gold King Mine Release Event

August 5th: Site A72

This site is located on the Animas River below the town of Silverton. This graph is from the EPA. It shows a peak in all metals during the plume on August 5th. After this peak the levels start to taper off and return to pre-plume levels.

At time of peak on August 5th:

Arsenic AWQS= 0.18ug/L. Actual level = 1080ug/L

Copper AWQS= 1300ug/L. Actual level= 4820ug/L

Cadmium MCL= 5 ug/L. Actual level= 28.3 ug/L

Secondary:

Zinc AWQS= 7400ug/L. Actual level= 6810ug/L

Manganese AWQS= 50ug/L. Actual level= 12200ug/L

Aug 9th after peak:

Arsenic= around 5 ug/L

Copper = 57.2 ug/L

Cadmium= 1.61 ug/L

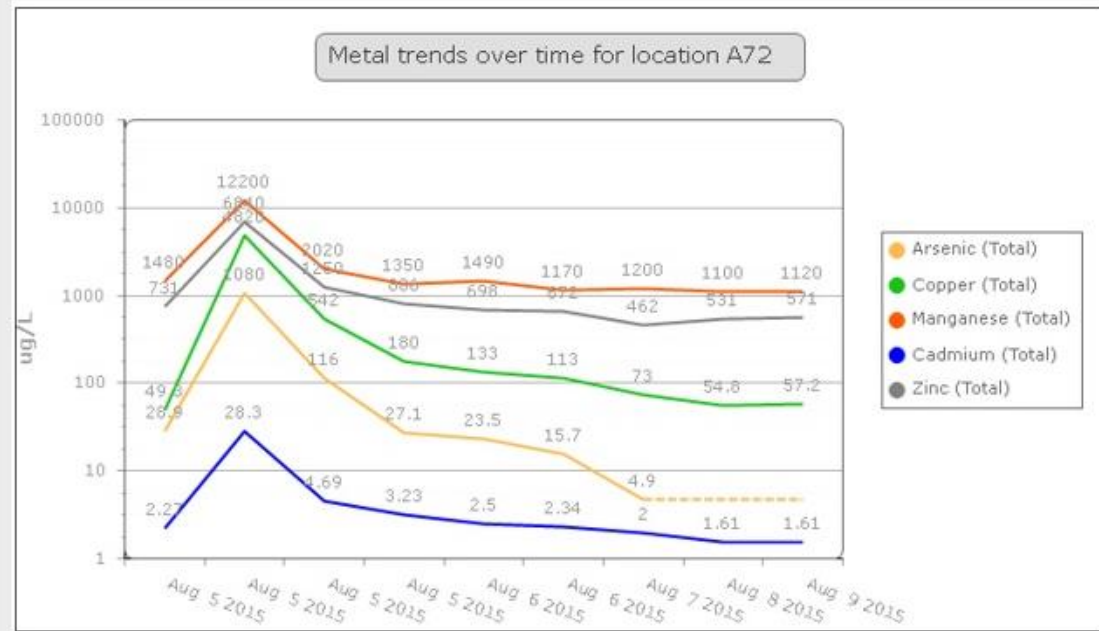
Secondary:

Zinc = 571ug/L

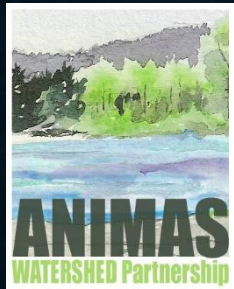
Manganese = 1120 ug/L

Thursday August 6th, 2015

Collaborated with partners to create the “Story Journal of the Gold King Mine Release”:



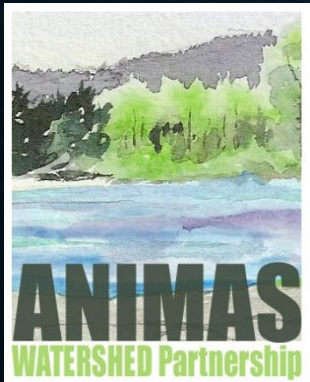
<http://www.arcgis.com/apps/MapJournal/index.html?appid=a8126b0790844e1f8e3f2ee8e4564f06>



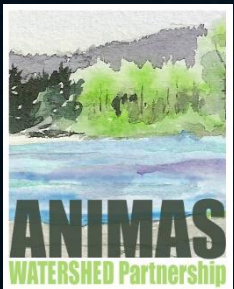
AWP and La Plata Conservation District hosted two volunteer workdays to plant native willows along the banks of the Florida River:

<https://youtu.be/ZZbSOy-kqYs>

AWP completed
E.coli and nutrient
sampling effort of
the lower Florida
River



8 Public Water
Suppliers in the
Colorado Animas
Watershed completed
the Animas Drinking
Water Alliance Source
Water Protection Plan





BUREAU OF RECLAMATION (BOR)

Conducted monthly
water quality
sampling on the
Animas River in
Durango

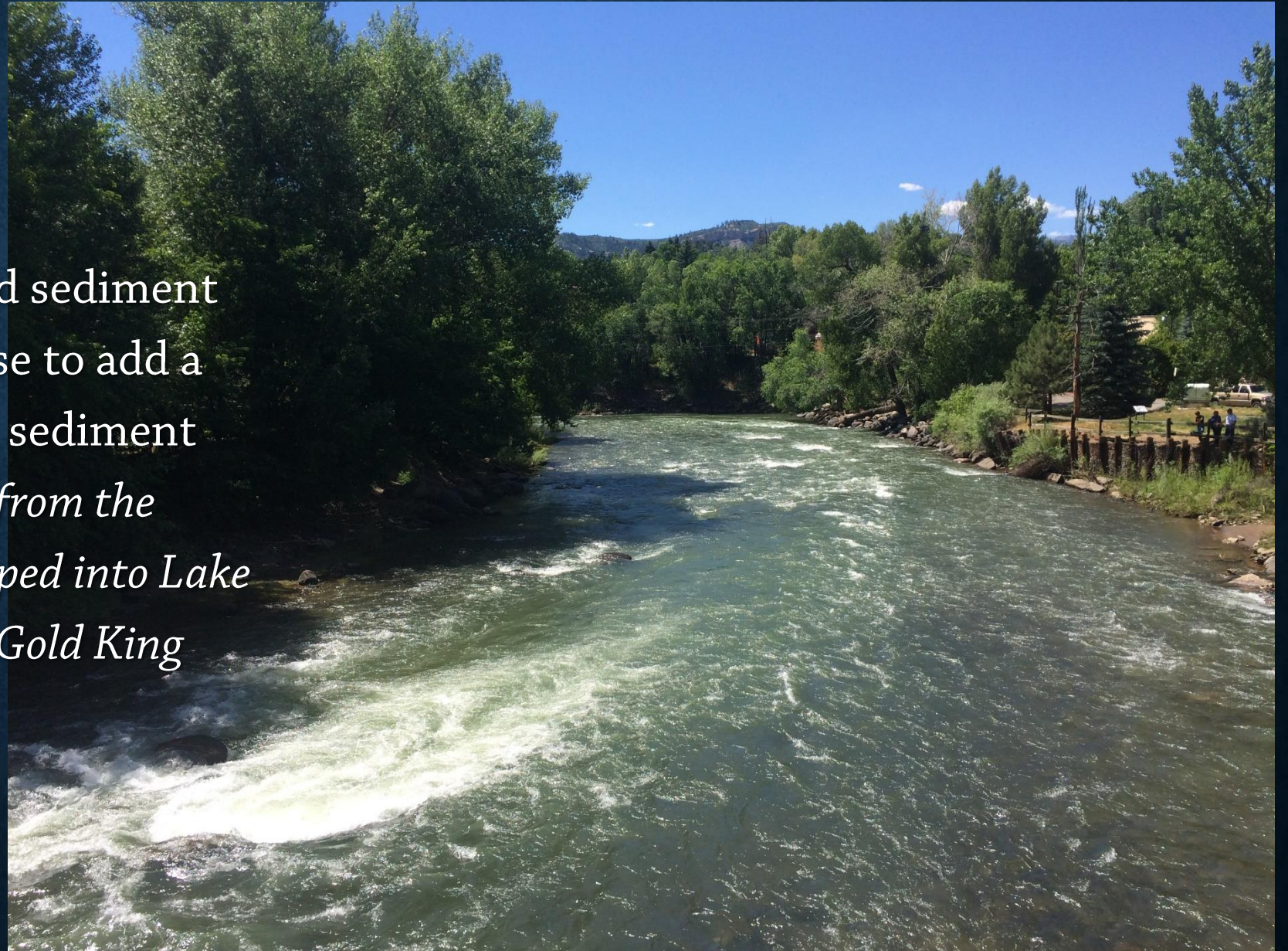
BUREAU OF RECLAMATION (BOR)

Conducted quarterly water
quality sampling in
Farmington, NM



BUREAU OF RECLAMATION (BOR)

Collected water quality and sediment samples in Lake Nighthorse to add a baseline water quality and sediment quality data set (*No water from the Animas River has been pumped into Lake Nighthorse since before the Gold King Mine release of 2015*)





COLO R A D O
**Department of Public
Health & Environment**

Provided comments and input on EPA's draft conceptual monitoring plan (Fall 2015)



Hosted the WARM meeting in Durango (Feb 2016) that inspired the multi-jurisdictional Preparedness Plan for Upper Animas and San Juan Rivers.





Established CO Long-Term Monitoring Plan to collect water quality and sediment data during runoffs in 2016 and 2017 as well as low flow monthly samples in between.

Established CO Interim Alert Notification Thresholds for Cement Creek and Animas River



COLORADO
Department of Public
Health & Environment



COLORADO
Department of Public
Health & Environment

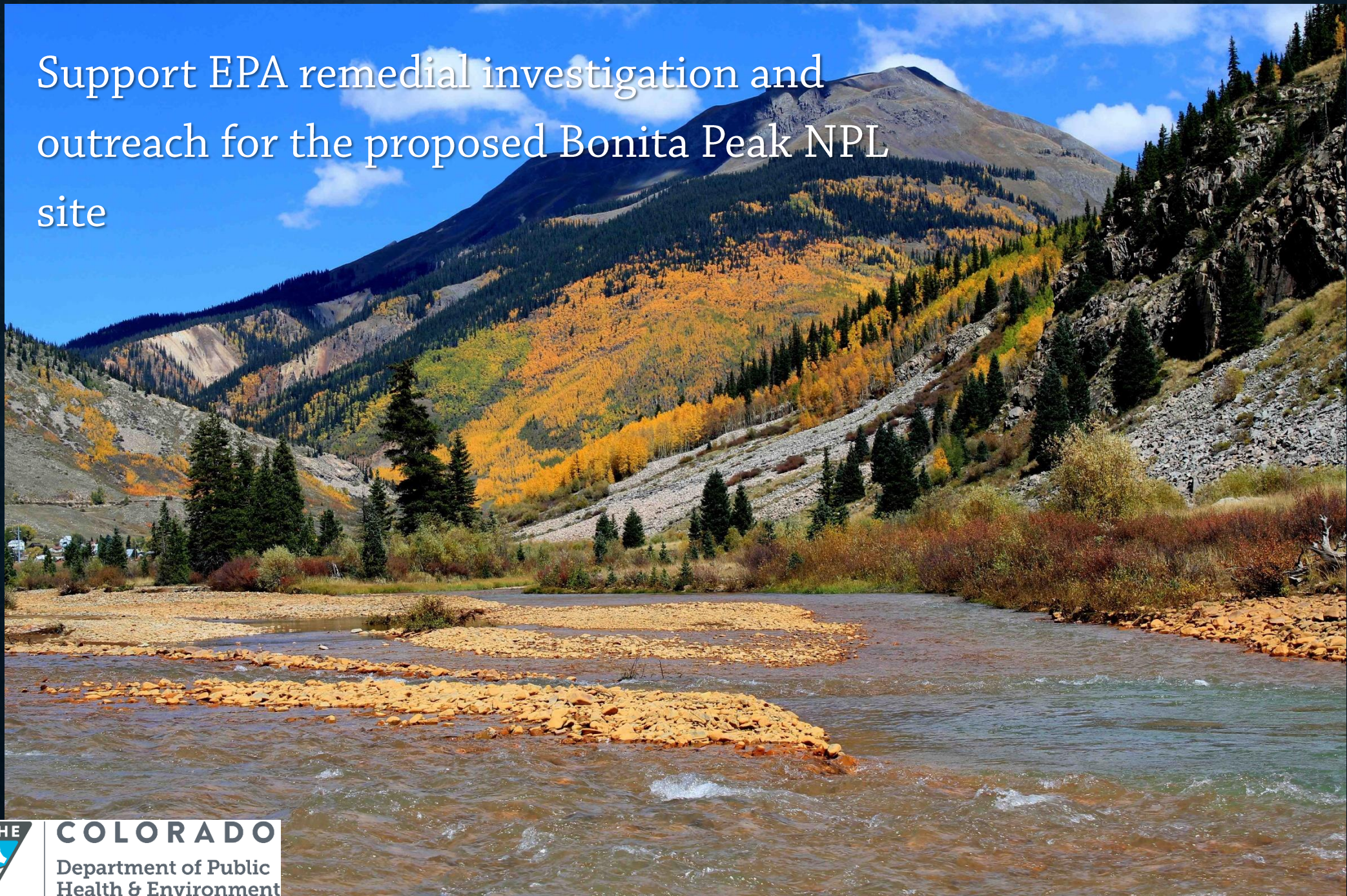
Worked with EPA to
provide reimbursement
money to those impacted
by the GKM spill (includes
organizations)





Facilitated a joint funding agreement with US Geological Survey for 4 stream gages in the Upper Animas, including telemetry for a live feed

Support EPA remedial investigation and outreach for the proposed Bonita Peak NPL site



COLORADO
Department of Public
Health & Environment

Worked
continuously with
the local
communities to
keep apprised of
what is happening
at the NPL site and
what is
forthcoming



Provided OSHA
24-hour free
Health and Safety
training





SAN - JUAN - BASIN HEALTH



Created partnerships with local health agencies to monitor the river for protection of public health

QA/QC Review of all water quality data

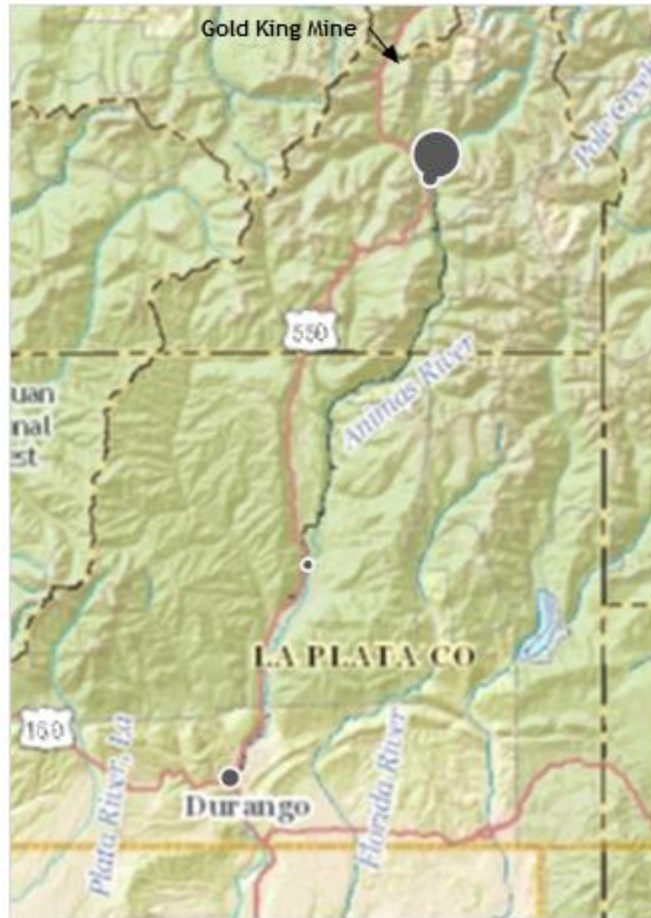
All WQCD post-spill water quality data checked for quality assurance and quality control and sent to EPA's WQX/STORET database for inclusion and public access



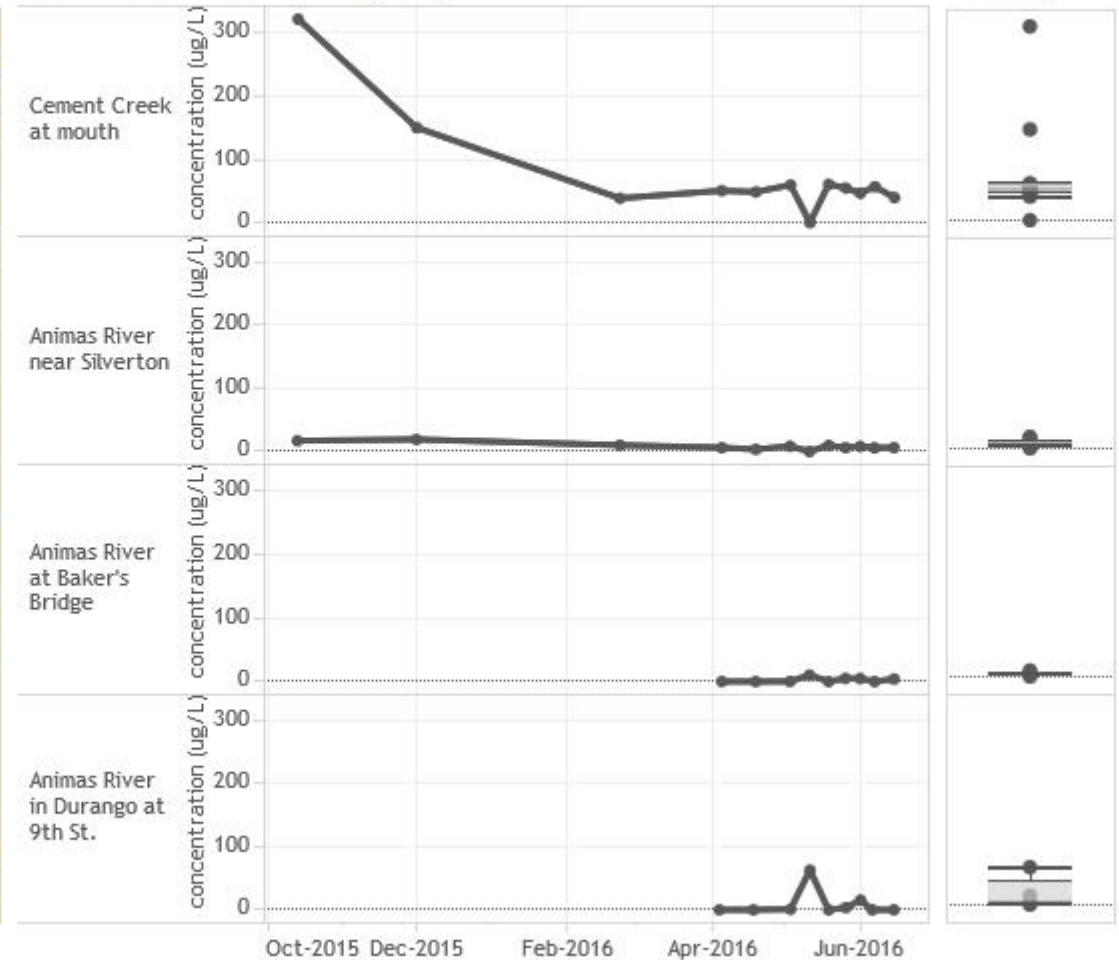
Interactive Animas River monitoring data

Parameter
dissolved copper

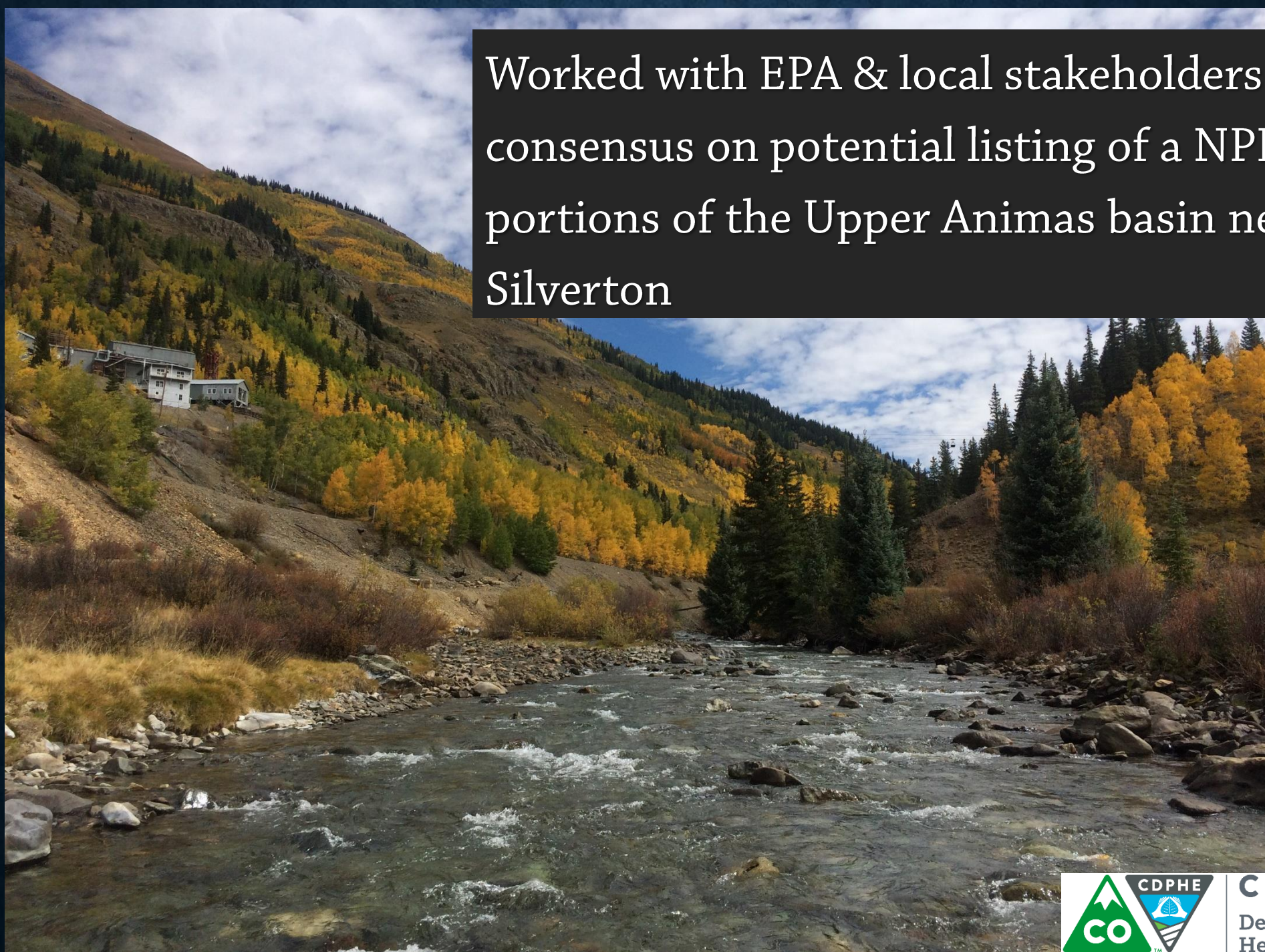
Map of monitoring locations.



Change in level of dissolved copper from fall 2015 through present.
Safe levels for recreation are below 6,700 ug/L.



Worked with EPA & local stakeholders to reach consensus on potential listing of a NPL site for portions of the Upper Animas basin near Silverton



COLORADO
Department of Public
Health & Environment



Participated in GKM screening values discussions with multiple state, federal, and local agencies to come up with umbrella health and environmental screening values for the Animas/ San Juan watershed

FORT LEWIS COLLEGE, CALLIE COLE

**: ASSISTANT PROFESSOR,
ANALYTICAL CHEMISTRY**

Applied Learning: Supplemented Chemistry Class Curriculum to teach students how to quantify heavy metal content of environmental samples (water, plant, soil, and sediment)



FLC CHEMISTRY DEPT



Linked 3 Students to
Research Projects

- ✓ Students learn & get hands on research experience
- ✓ Community gets access to a reliable, affordable resource to understand heavy metal accumulation post-spill

“Incorporating local issues into courses and student-led research projects is essential to getting students invested in science and the environment at an early point in their lives and careers.”

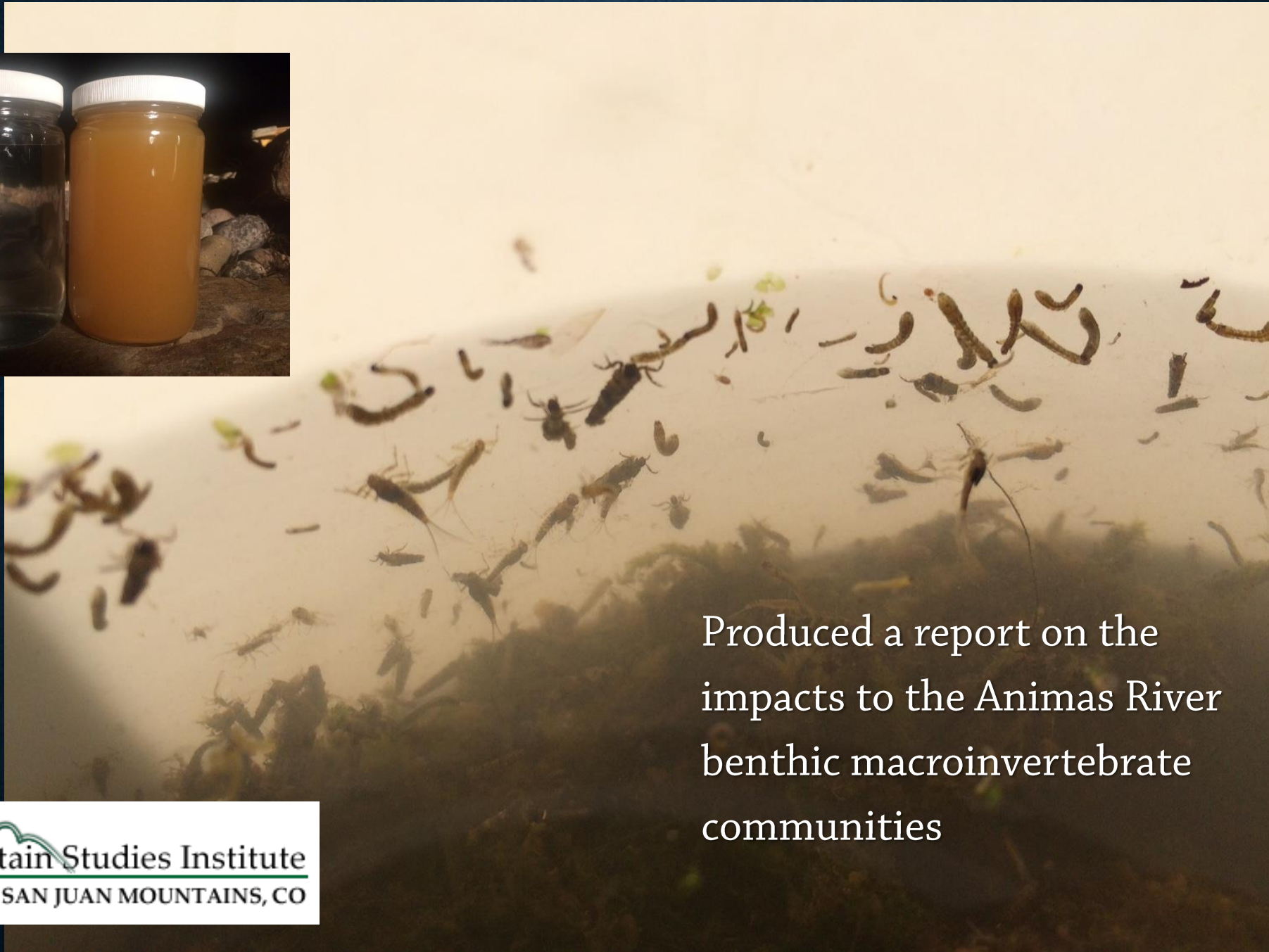
Callie Cole, Assistant Professor,

Analytical Chemistry

Fort Lewis College



Produced a report on water quality of the Animas River at Rotary Park before, during, and after the GKM release including monsoonal storm events



Produced a report on the
impacts to the Animas River
benthic macroinvertebrate
communities

Produced
informational
materials to help
Durango
communities better
understand the state
of the Animas River
spring runoff



Animas River at Rotary Park from February to August 2016



Aug 7th



Aug 9th



Aug 10th



Aug 13th

GOLD KING MINE SPILL: HOW IS THE ANIMAS RIVER FARING?

[Click Here for recent data results](#) or continue scrolling down.

As a third party research institution, MSI is working hard to provide sound, independent information and

[DONATE TO RALLY FOR THE ANIMAS](#)

robust data collection and interpretation to inform next steps. MSI has historic

PRESS RELEASES

[The Legacy and Future of Mining in the San Juan Mountains](#)

August 20th PUBLIC MEETING

MSI Community races to

Partnered with City of Durango to monitor water quality of the Animas River at Rotary Park during 2016 Spring Runoff



Trout Unlimited and MSI partnered to continue benthic macroinvertebrate community monitoring in 2016-2017 in Durango



REGION 9 ECONOMIC DEVELOPMENT

- Working with San Juan County, the Town of Silverton, & Silverton School Board to secure an Economic Adjustment Assistance Grant.
 - Assisting businesses to successfully remain open
 - Assist with community infrastructure issues
 - Revitalize San Juan Development Association

SAN - JUAN - BASIN HEALTH

Provided significant GKM and Animas River watershed information on its website including press releases, FAQs documents, a health advisory, river safety tips and more

Participated in all 3
community meetings
held during initial
days after the spill



A person wearing a dark jacket, gloves, and a watch is leaning over a rocky riverbank, using a white container to sample water. The water is flowing over rocks, creating white foam. The background shows more of the river and rocky terrain.

Assisted in producing media releases as part of the Joint Information Center during the event response, as well as 6 river-related media releases in the last 4 months

SAN · JUAN · BASIN HEALTH

- ✓ Provided two river-related Creating Community columns in D. Herald
- ✓ River- related media interviews
- ✓ Held Animas River Watershed: Community Health Update event
- ✓ Currently produces and distributes monthly Animas River email blast



- ✓ Intensely involved in the multi-agency emergency response effort related to the GKM spill
- ✓ Participated in MSIs river event on May 26
- ✓ Worked with CDPHE to create a long-term monitoring plan





- ✓ Worked with CDPHE to create a long-term monitoring plan
- ✓ Working with FLC to create photo comparisons of visible color and invisible water chemistry
- ✓ Water and sediment samples are collected from multiple locations and are analyzed for metal concentrations

SAN · JUAN · BASIN HEALTH



Keeping citizens informed.

This site is optimized for current and supported common browsers (i.e. IE, Chrome, Firefox). For the best user experience, please ensure your browser is up-to-date.



COMMUNITY NOTIFICATION ENROLLMENT Emergency Telephone Service Association of La Plata

Please take a moment to fill in the appropriate information below to be notified by your local emergency response event of emergency situations or critical community alerts. Examples include: evacuation notices, bio-terrorism alerts, boil water notices, and missing child reports.

Contact Information

First name Last name

Contact Addresses and Communication Methods

Address is: Residential Business

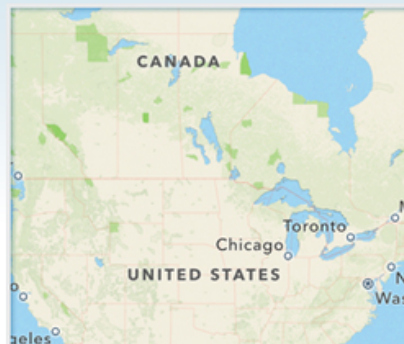
Address name: Home

Address to be notified
(please no P.O. boxes)

City

State Choose State...

Zip



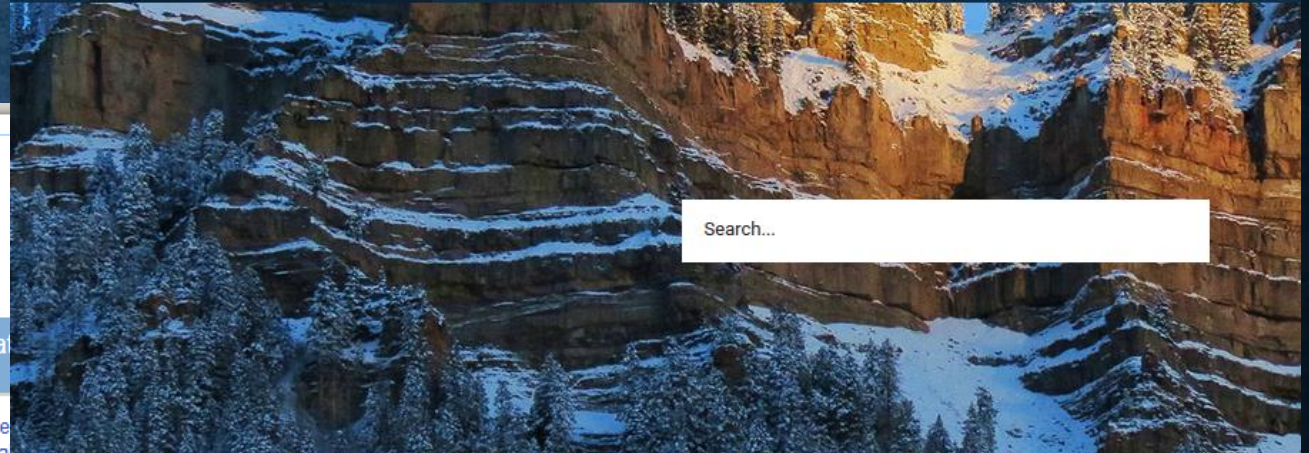
La Plata County
Colorado

I Want To

Doing Business

Government

County S



Search...

The local Alert and Notification Plan was developed collaboratively by SJBH, La Plata County, City of Durango, Southern Ute Indian Tribe, SJ County Public Health, San Juan County Emergency Management, and is supported by two state agencies.

**TOM SCHILLACI;
ENVIRONMENTAL FILMMAKER
970-946-9676**



EPAs initial meetings
immediately after the
incident and subsequent
EPA updates

In the process of editing ***Acid Mine Nation*** – a video project began in 2014, that took a change of course after the Gold King Mine spill.

TOM SCHILLACI; ENVIRONMENTAL FILMMAKER

970-946-9676

Acid Mine Nation

Superfund site tour taken
by elected officials

Animas River
Stakeholders Group
meetings

EPA's initial meetings
immediately after the
incident and subsequent
EPA updates





**TOM SCHILLACI;
ENVIRONMENTAL
FILMMAKER
970-946-9676**

Acid Mine Nation

Community updates by Sen. Gardner and
Rep. Tipton

US Senate Committee on Indian Affairs
regarding EPA's treatment of the Navajo
and Hopi nations



TOM SCHILLACI; ENVIRONMENTAL FILMMAKER

970-946-9676

Acid Mine Nation

Statements by
Navajo President
Russell Begaye

EPA community
meetings and
field talks at
Creede, Leadville,
and Minturnare



**TOM SCHILLACI;
ENVIRONMENTAL
FILMMAKER
970-946-9676**



Currently connecting a mining company on Red Mountain Pass with a new innovative water treatment technology; the technology was implemented this summer results will be shared with EPA for consideration in their clean-up efforts at the Bonita Peak Mining District



TOM SCHILLACI; ENVIRONMENTAL FILMMAKER 970-946-9676

Currently connecting a mechanical solution provider with a provider of bioremediation, using microbes to increase the efficiency of treating water and soil affected by acid mine drainage



<https://www.youtube.com/user/tomsproducer/videos>



Pushed EPA to take emergency action for waer quality testing amd clean-up. Language has been added in the fiscal year 2017 funding to direct the EPA to continue operating the water treatment plant at Gladstone until a longer-term solution is found.

Will also continue to work to make Good Samaritan legislation a reality.



Clean Water. Quality Life



WeAreTheAnimas.com