


Pennsylvania Mine and the Snake River Task Force

Past and Present Efforts

History

- 1985-89 – Early acid rock drainage and wetlands investigations
- 1989 – US Forest Service Special Use Permit for pilot treatment system
- 1990 – Hydro powered limestone pretreatment system installed using 319 funds
- 1993 – Following regulatory delays, passive treatment pilot project approved
- 1993 – EPA determines discharging abandoned mines are “point sources” and subject to perpetual permitting requirements

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- 1994 – Bio-cells constructed through 319 and volunteers
 - 1995 – State Attorney General insists Division of Minerals and Geology not activate system or continue work due to liability concerns
 - 1997 – Good Samaritan legislation proposed, DMG prepared with revised design.
 - 1998 – Good Samaritan legislation fails, work cancelled.
 - 1998 - Draft Environmental Impact Statement for Arapahoe Basin snowmaking released
 - 1999 – USFS Record of Decision on A Basin snowmaking identifies significant water quality requirements, including discussion of potential mine cleanup.



2000 – Trout Unlimited & Colorado Wild Appeal to District Court and Water Quality Control Commission

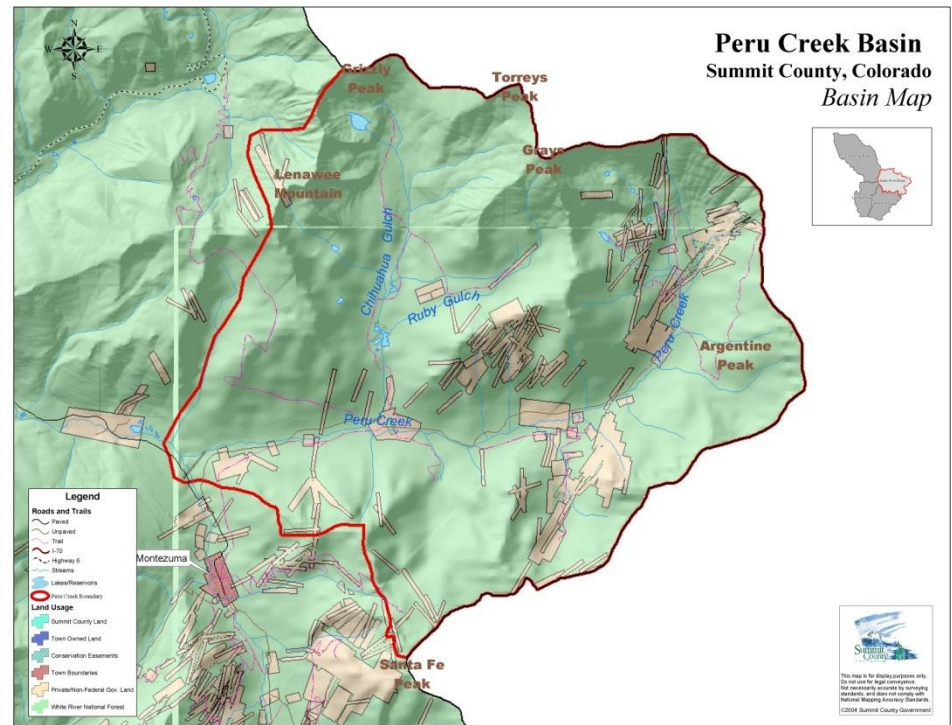
2000 – USFS initiates Snake River Watershed Task Force (SRTF) – “The mission of the SRTF is to improve water quality in the Snake River watershed. The Task Force will focus in particular on identifying, evaluating, and implementing opportunities to reduce heavy metal concentrations of concern.”

2001 – Appeal dismissed, hard work of SRTF begins!

Peru Creek Brownfields Assessment

Summit County Government

- **2002-2003 EPA Funding**
- **Environmental Assessment:**
 - **Phase 1: Initial Property Screening on over 250 patented mining claims**
 - **Phase 2: Conceptual reclamation plans for 3-5 prioritized sites**
- **Liability Analysis**



Shoe Basin Mine Reclamation

- Brownfields Cleanup
 - Voluntary Cleanup Program project
 - Funding Partners
 - A-basin / Dundee
 - Summit County
 - CDPHE
 - Design - 2005
 - Construction -2006



Peru Creek Brownfields Project Outcomes:

- Acquisition of “clean” parcels as Open Space
 - Over 400 acres purchased and over 20 transactions as a direct result of Brownfields Assessment.
 - several claims currently being negotiated including Continental Divide National Scenic Trail properties.
- Protective Covenant on approximately 180 acres of claims, including the Pennsylvania Mine allows reclamation activities and prohibits residential uses.
- Shoe Basin Mine Reclamation.
- Pennsylvania Mine: identification of liability issues and potential mechanisms to address contamination.

Recent activities in Peru Creek Basin/ Penn Mine:

- Numerous studies to characterize sources and quantify impacts of metals contamination.
- Snake River Watershed Plan
 - Identified potential sites for reclamation
 - Initiated work to secure 319 funding for reclamation projects
 - Delaware Mine
 - Silver Spoon Mine
 - Brittle Silver Mine and Mill
- Pennsylvania Mine: Agreement between EPA, State of Colorado and Summit County to initiate cleanup activities.
- 2012 Opening of two portals into the Penn Mine and underground investigations.
- 2012 and 2013 St. Johns Mine and Mill site reclamation
 - Colorado DRMS
 - Climax Molybdenum Community Investment Fund