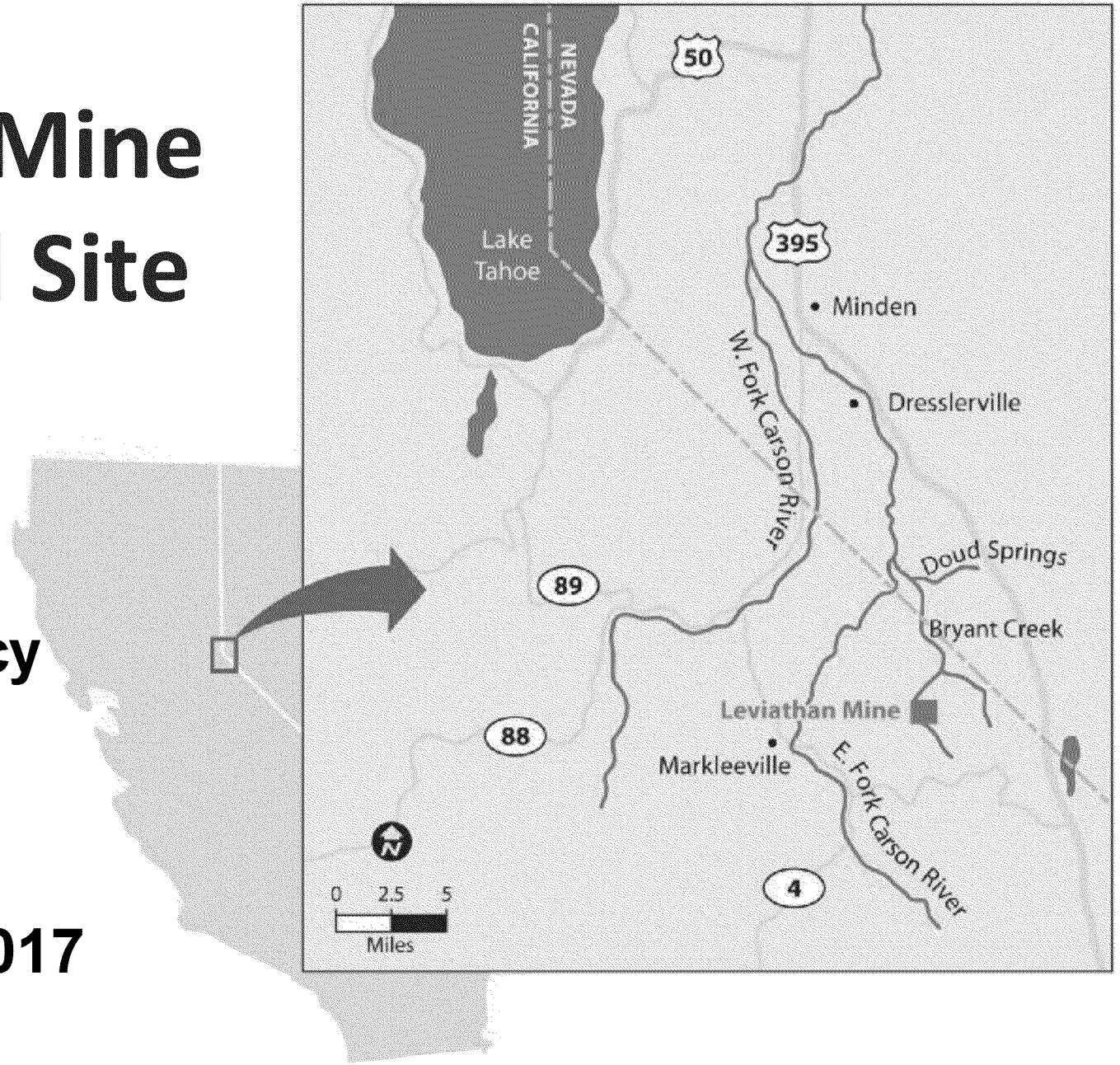
Leviathan Mine Superfund Site

U.S. Environmental Protection Agency Region 9

January 26, 2017

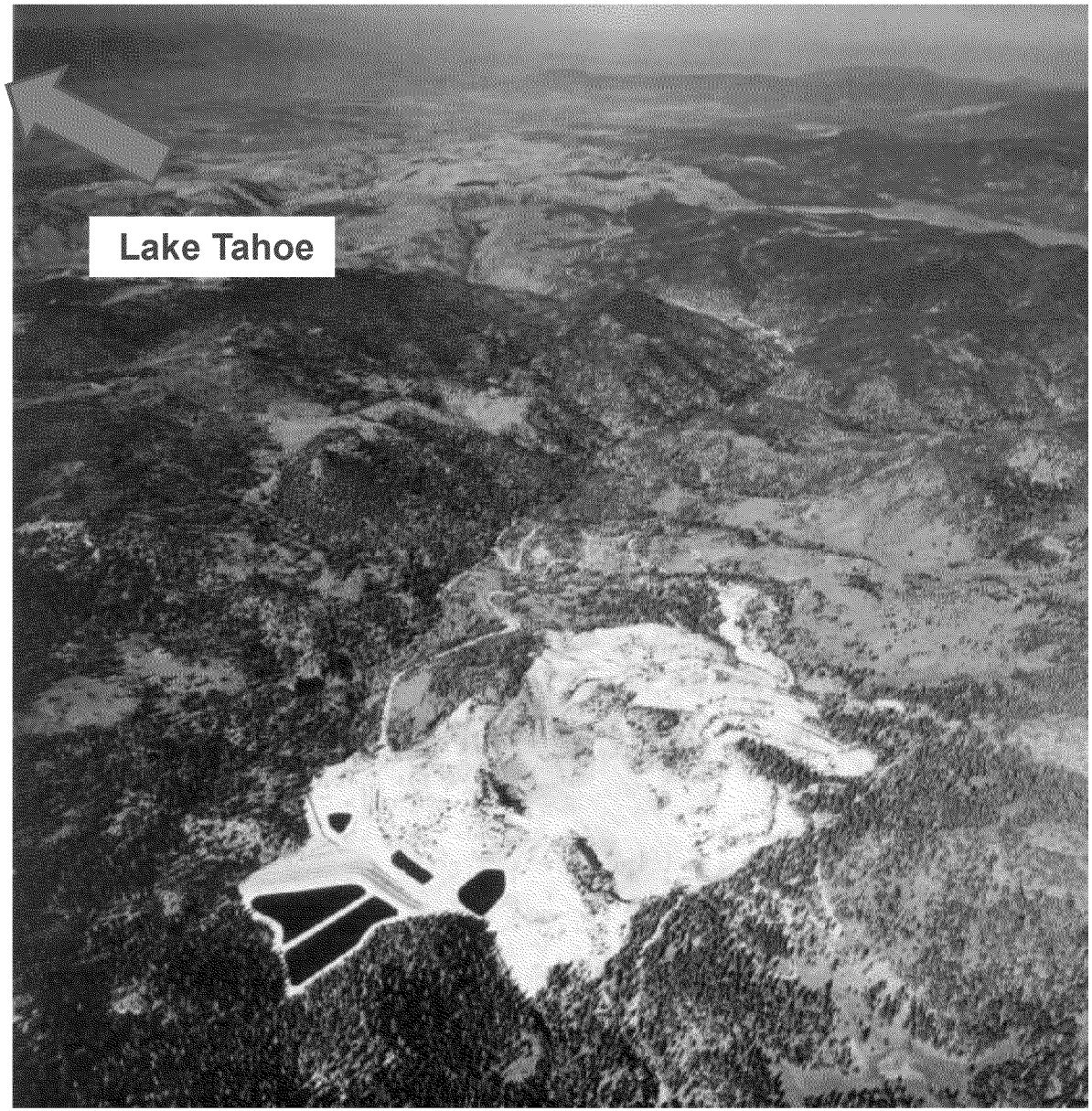


Annual Technical Update Meeting - 2017

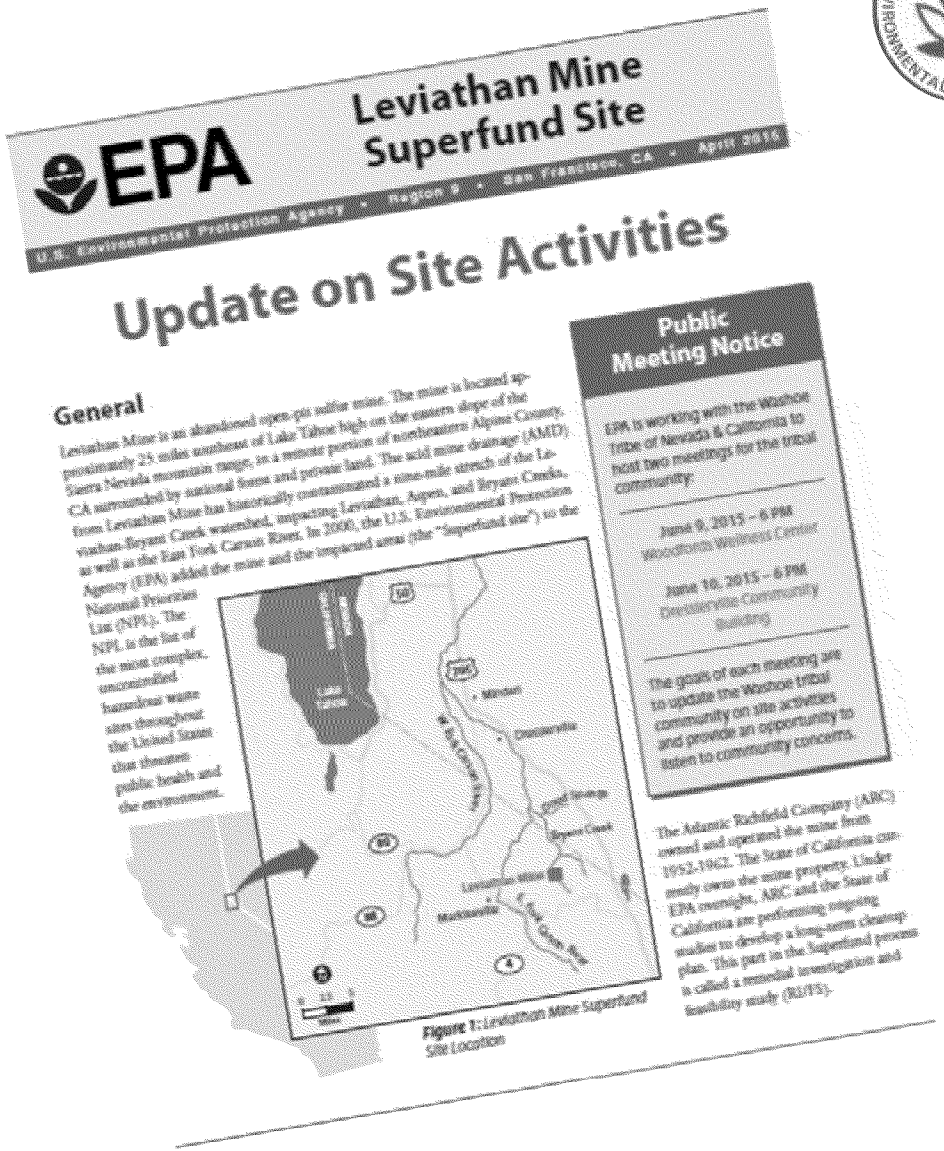
• Introductions	• EPA Yolanda Sanchez, Gary Riley & Lynda Deschambault
• Treatment Season Overview	• Lahontan RWQCB & Atlantic Richfield
• Data Observations Update & Benthic Macroinvertebrate Sampling Update	• Dr. Ned Black & Dr. Herbst
• Break	
• Remedial Investigation; Human Health & Eco Risk Assessment & Feasibility Study Overview	• Atlantic Richfield Co.
• Wrap Up	• EPA

Leviathan Mine Alpine County, CA

- Abandoned open-pit sulfur mine. Listed on NPL 2000
- 24 Miles Southeast of Lake Tahoe
- Flows Northeast, to EFCR
- Impacts ~250 acres On site, ~750 acres Off site
- High elevation, inaccessible in winter
- Upstream from national forest, private, and Washoe land
- Interim Actions 80's;& Removal Actions still in place
- Remedial Investigation Ordered in 2008



Leviathan Mine Superfund Site 2015 Fact Sheet



EPA

Leviathan Mine Superfund Site

U.S. Environmental Protection Agency • Region 9 • San Francisco, CA • April 2015

Update on Site Activities

General

Leviathan Mine is an abandoned open-pit sulfur mine. The mine is located approximately 25 miles southeast of Lake Tahoe high on the eastern slope of the Sierra Nevada mountain range, in a remote portion of northeastern Alpine County, CA surrounded by national forest and private land. The acid mine drainage (AMD) from Leviathan Mine has historically contaminated a nine-mile stretch of the Leviathan-Bryant Creek watershed, impacting Leviathan, Aspen, and Bryant Creeks, as well as the East Fork Carson River. In 2000, the U.S. Environmental Protection Agency (EPA) added the mine and the impacted area (the "Superfund site") to the National Priorities List (NPL). The NPL is the list of the most complex, uncontrolled, hazardous waste sites throughout the United States that threaten public health and the environment.

Figure 1: Leviathan Mine Superfund Site Location

Public Meeting Notice

EPA is working with the Washoe Tribe of Nevada & California to host two meetings for the tribal community:

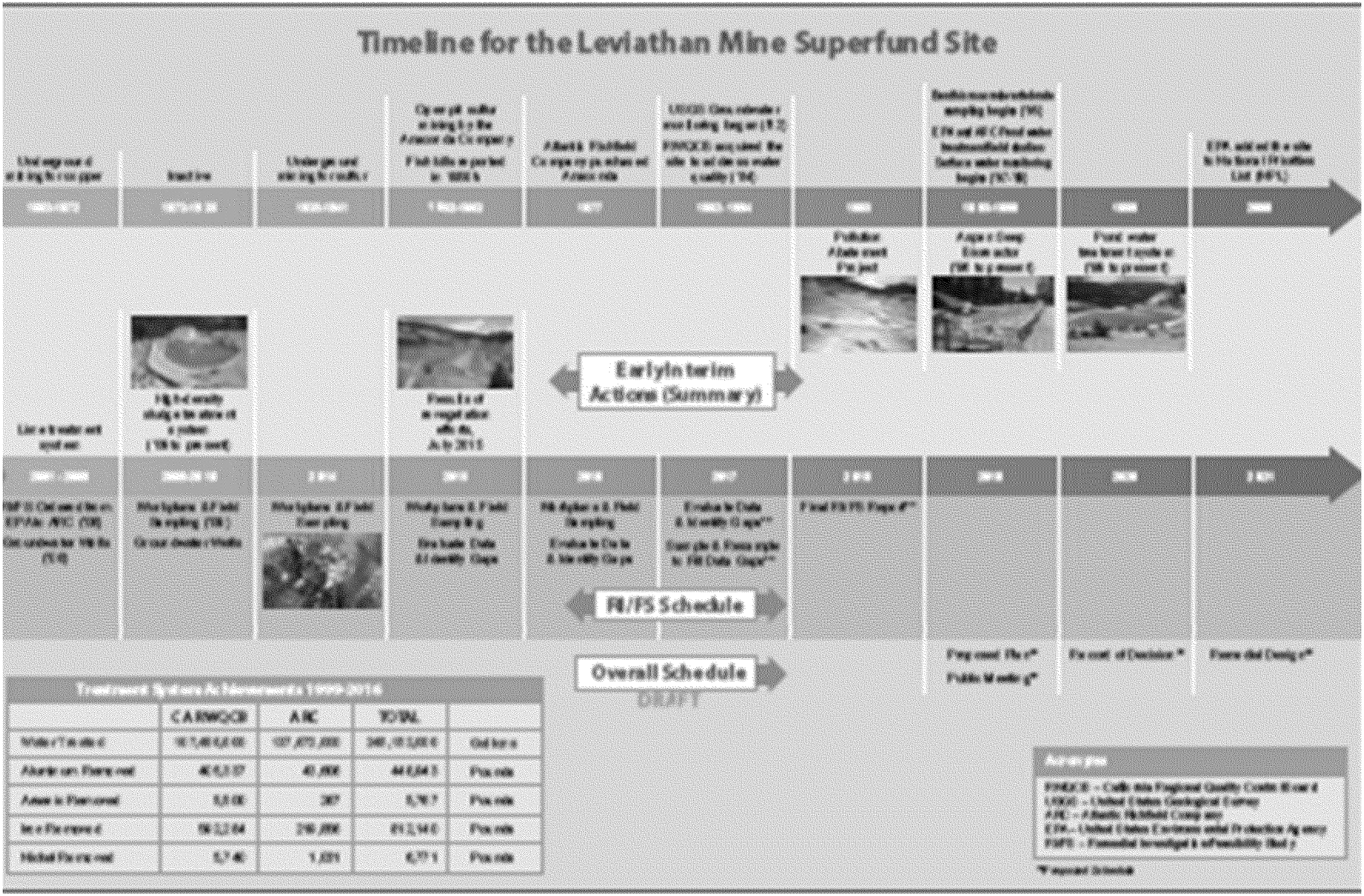
June 9, 2015 – 6 PM
Woodfords Wellness Center

June 16, 2015 – 6 PM
Dresslerville Community Building

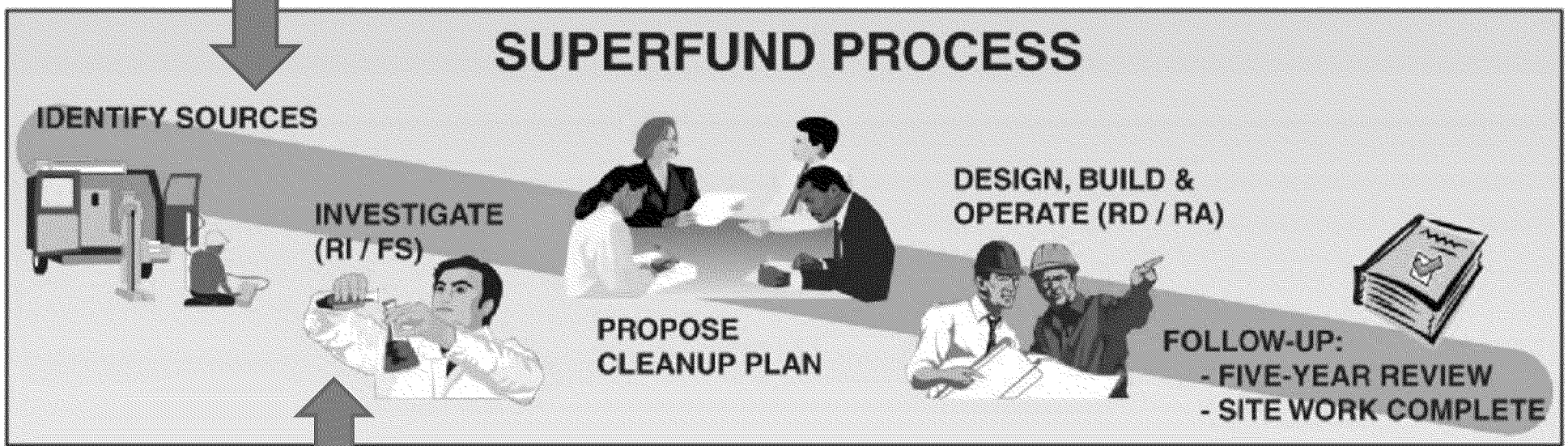
The goals of each meeting are to update the Washoe tribal community on the activities and provide an opportunity to listen to community concerns.

The Atlantic Richfield Company (ARC) owned and operated the mine from 1952-1962. The State of California currently owns the mine property. Under EPA oversight, ARC and the State of California are performing ongoing studies to develop a long-term cleanup plan. This part in the Superfund process is called a remedial investigation and feasibility study (RI/FS).

Leviathan Mine History & Timeline 2016


Timeline for the Leviathan Mine Superfund Site
Early Interim Actions (Summary)
RI/FS Schedule
Overall Schedule
DRAFT
CARWQCB
ARC
TOTAL

Early Interim Actions



Remedial Investigation and Feasibility Study (RI/FS)

EPA Contact Information

EPA's Superfund Toll-Free telephone number 1-800-231-3075

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EPA's Web page: www.epa.gov/region09/LeviathanMineSite

Information Repositories

Douglas County Library
1625 Library Lane
Minden, NV 89432
(775) 782-9841

EPA Superfund Records Center
75 Hawthorne Street (3rd Floor)
San Francisco, CA 94105
(415) 536-2000

01/11/2016