

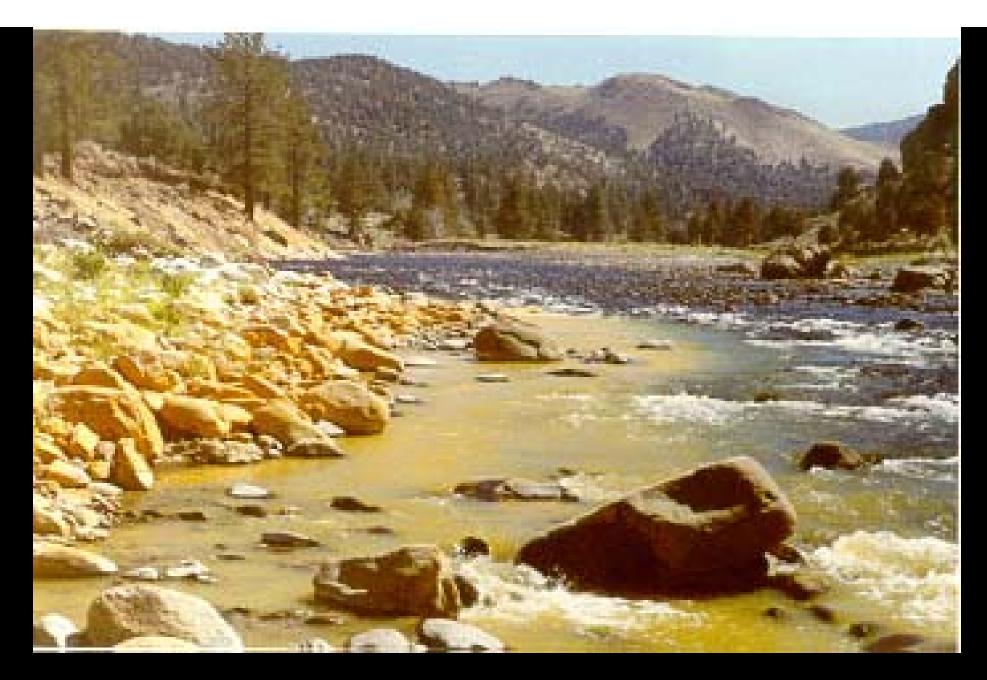
CONCRETE CHANNEL Since 1985, Diverts Leviathan Creek through Mine Waste, ½ Mile



LEVIATHAN MINE PIT and PONDS AFTER 1985 STATE ACTIONS

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LEVIATHAN MINE PIT and PONDS, AFTER 1985 STATE ACTIONS



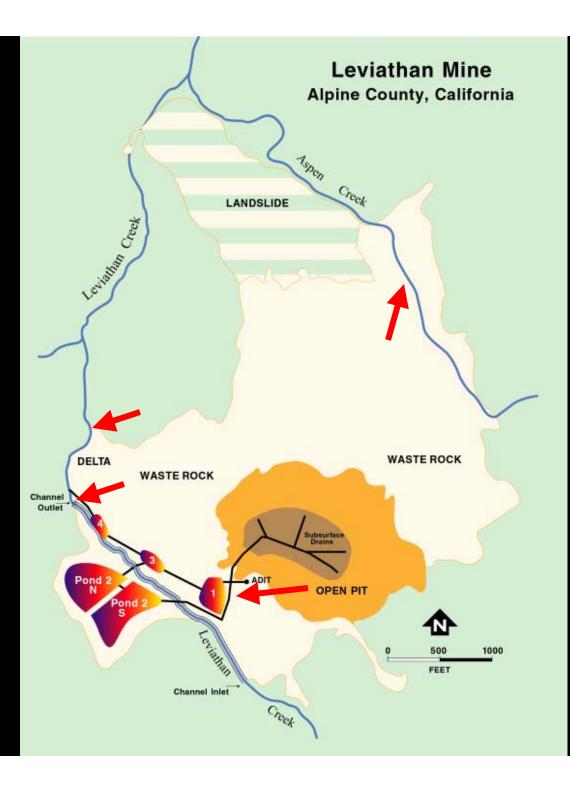
September 23, 1969, East Fork Carson River at Bryant Creek



January, 1999, East Fork Carson River at Bryant Creek

SHORT-TERM APPROACH Capture and Treat Identified Sources Test and Improve Treatment Methods Collect Existing Data Increase Data Gathering as Creeks Improve to Assess Remaining Risk

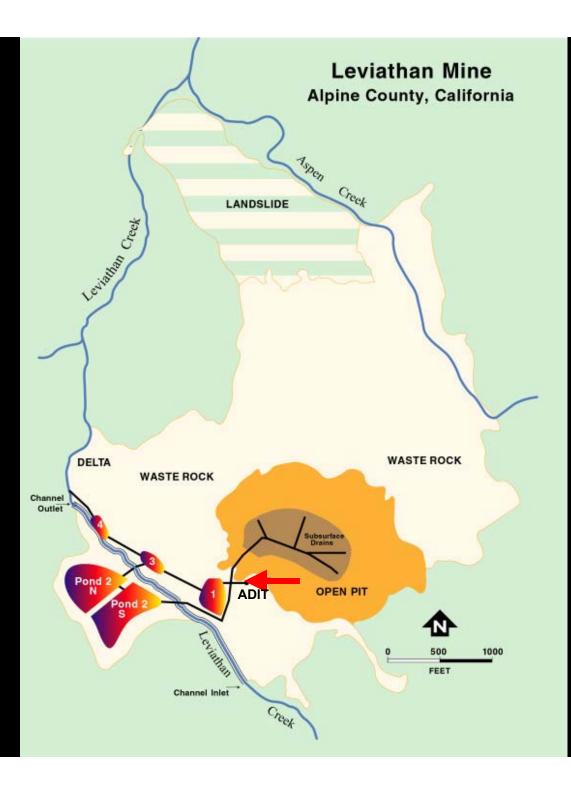




Identified Contaminant Sources

ADIT – Ponds
Channel Underdrain
Aspen Seep
Delta Seep





Contaminant Sources

- ADIT Drainage
- Pond Overflow
 - •Worst Source
 - Evaporation



LEVIATHAN MINE POND 1999, pH 2.5



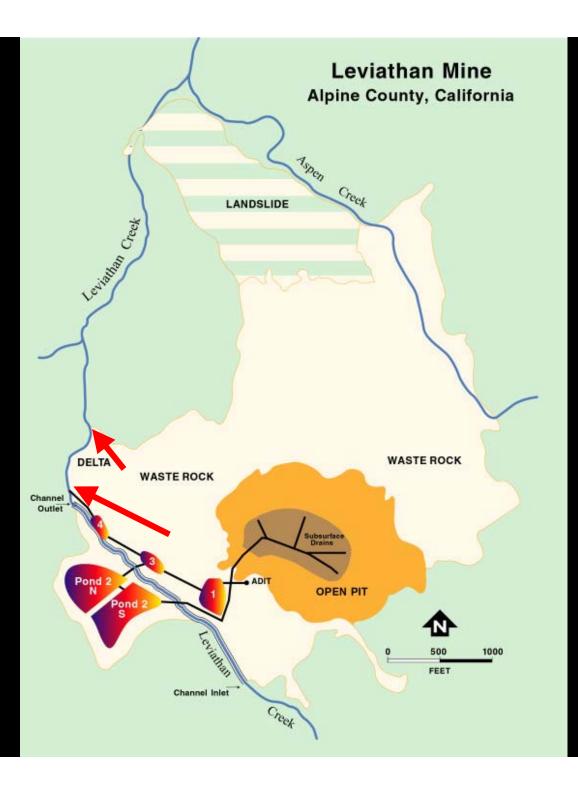
EARLY ACTION – ADIT and PONDS

- Lahontan Regional Board
- Two-Phase Lime Neutralization
- Summers of 1999 through 2004

LEVIATHAN MINE POND - 1999 STATE BI-PHASIC LIME TREATMENT



Leviathan Pond 2S August 2001



Contaminant Sources

•Channel Underdrain and Delta Seep

Not Captured by Ponds

•Atlantic Richfield : Lime Lagoon, 2001-04 Combined Flow, 2003-04



LEVIATHAN MINE – 1999 CREEK DIVERSION CHANNEL CHANNEL UNDERDRAIN

LEVIATHAN MINE 1999 DELTA SEEP

LEVIATHAN MINE – 2002 LIME NEUTRALIZATION CUD and DELTA SEEPS