US ERA ARCHIVE DOCUMENT

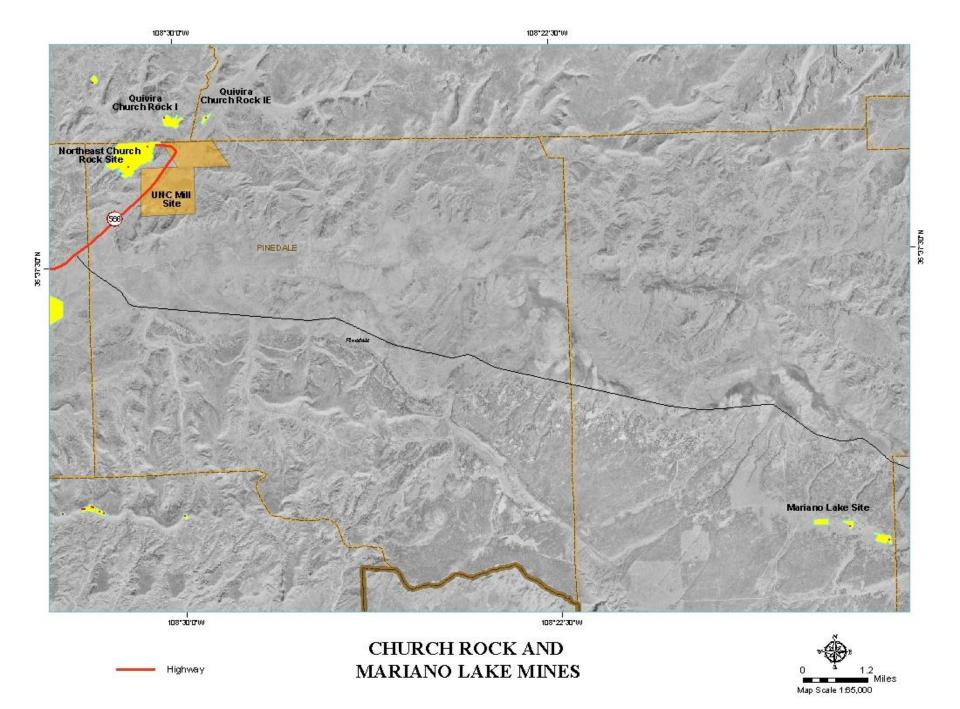






Navajo Abandoned Uranium Mines

Stakeholder Workshop September 2010



Northeast Church Rock Mine

- Largest underground uranium mine in country and highest priority mine for Navajo Nation
- 2006-2008: Completed extensive site investigations
- 2007: Completed cleanup of 1 structure and 4 yards
- 2009: Completed Engineering Evaluation of cleanup options
- 2010: Completed the removal of 100,000 cubic yards of contaminated material



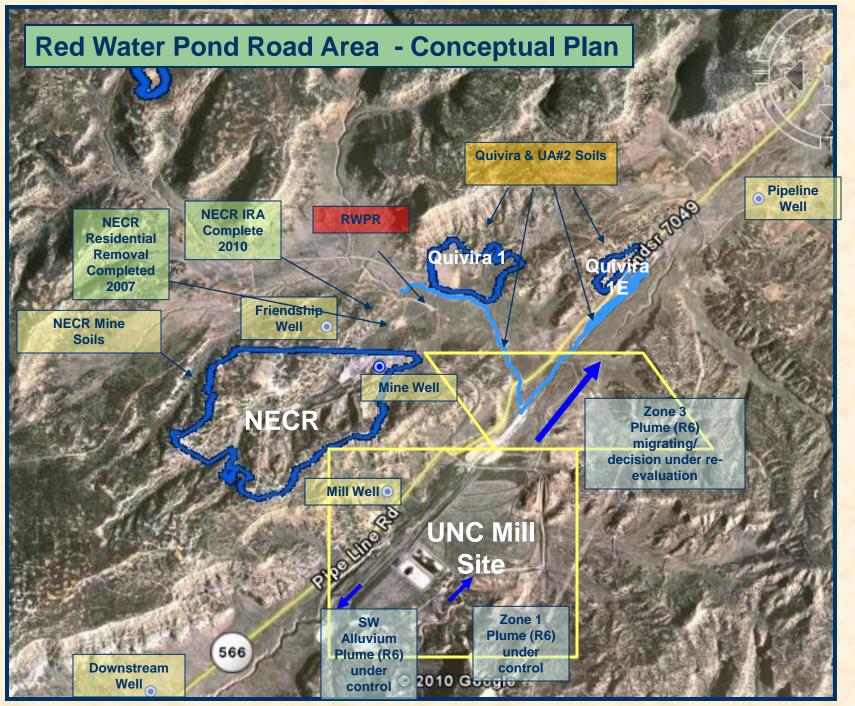
Northeast Church Rock 2007 Excavation

Northeast Church Rock Mine - Next Steps

- Complete an evaluation of area groundwater in 2010
- Continue community
 participation and the
 healing process
 involving more than the
 NECR Site
- Goal to select a cleanup alternative for the NECR site in 2010



Northeast Church Rock and UNC Sites: South View



Quivira Mines - Church Rock

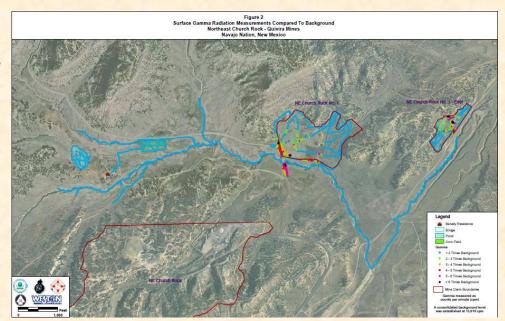
- Signed an Administrative
 Order on Consent with
 Rio Algom September 3
- Pave Red Water Pond Road, fix fences and stabilize the waste pile this Fall



Screening at NE Church Rock 1 mine

Quivira Mines – Next Steps

- Characterize soil contamination Quivira Mines and downstream arroyos
- Identify cleanup options
- Continue working closely with Red Water Pond Road Community Association



Screening – comparison to background

Mariano Lake Mine

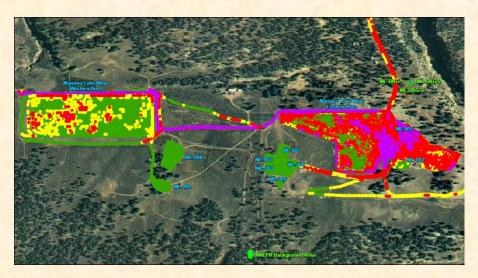
- From 1977 to 1982, Gulf Mineral mined site
- Single shaft approximately519 feet deep
- Stope leaching process solution pumped to a dewatering pond in the western area
- Approximately 31 acres near seven residences
- Some surface areas appear reclaimed, but there are notable exceptions



Horses inside the Mariano
Lake Mine fence line

Mariano Lake Mine - Next Steps

- Emergency Response is working with one family to replace contaminated home items and ensure no one builds on former parking lot
- Work with Potentially Responsible Party to investigate and cleanup the site
- Site Assessment conducting Preliminary Assessment



Mariano Lake Mine

Summary

- Real results at the NECR site
- Positive starts at Skyline, Quivira and Mariano Lake using model process and documents
- EPA has the benefit of lessons learned
- EPA will continue to tackle new sites in consultation with the Navajo Nation and the affected communities