



Snapshot

Resolution Copper Project – Tailings Alternatives

#5: Peg Leg

SUMMARY

This alternative allows an evaluation of a tailings site that is more isolated from existing communities while remaining adjacent to areas of active mining on the landscape.

Alternative 5 also allows for a comparison of the impacts of slurry tailings if placed in a flatter, alluvial setting instead of an upland wash or canyon.

Tailings would be delivered to the Peg Leg location in two separate streams via a dual pipeline from the West Plant Site. One pipeline would carry non-potentially acid generating (NPAG) tailings (also known as scavenger tailings). The adjacent pipeline would carry potentially acid generating (PAG) tailings (also known as pyrite tailings).

Two separate storage facilities for NPAG and PAG tailings would exist throughout the life of the mine.

The PAG facility would consist of 4 separate cells. This would reduce the pond size required for operations and allow for progressive reclamation. Only one cell would be operational at a time. A downstream dam consisting of earthfill and cycloned sand is proposed for the PAG cells.

NPAG tailings would be located primarily on an alluvial soil foundation to the west and slightly downslope from the PAG site. A centerline dam, also consisting of earthfill and cycloned sand, is proposed for NPAG tailings.

Officials project higher seepage because of the alluvial foundation. Seepage containment measures would include low-permeability layers at the PAG facility and low-permeability barriers (liners or fine-grained tailings) for the NPAG tailings. A downstream well field would capture seepage and return it to the TSF.

Location

Bureau of Land Management and Arizona State Land Department property; 18 miles south of Superior, 15 miles east of Florence, and 6 miles west of SR 177

Numbers

5,900 acres – disturbance footprint at tailings storage

10,800 acres - total footprint within fenceline for auxiliary facilities and tailings storage

310 feet – embankment height

7 miles – embankment length

*Two options are analyzed for tailings conveyance from the West Plant Site. Only one option would be selected for use to transport the tailings slurry streams to the Peg Leg tailings storage facility. the east option is approximately 23 miles long.

*28 miles & 1,722 acres – length and additional disturbance for western pipeline corridor

*23 miles & 1,353 acres – length and additional disturbance for eastern pipeline corridor

ALTERNATIVES OVERVIEW

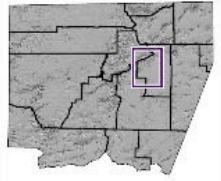
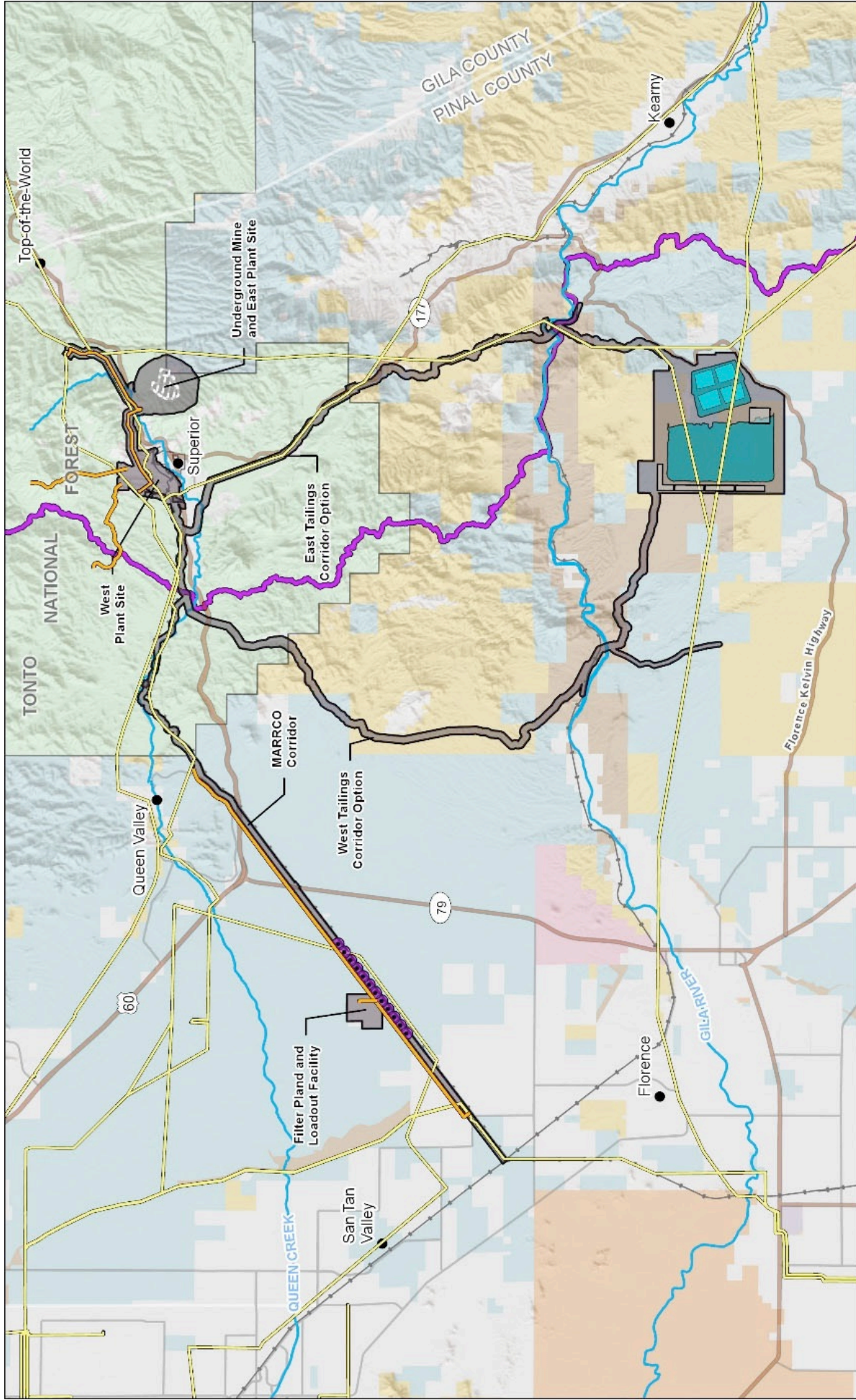
The National Environmental Policy Act requires the Forest Service to investigate alternatives to the various aspects of the proposed action as part of the Environmental Impact Statement process for the Resolution Copper Project and Land Exchange.

Alternatives are a mix of reasonable strategies that meet the purpose of and need for the proposed action, while resolving or addressing key issues identified during scoping.

In addition to the No Action Alternative (sequentially known as Alternative #1), the Forest Service is considering five reasonable “action” alternatives. A Draft EIS document will include an alternatives chapter that expands on each reasonable alternative. The Forest Service is projecting a late July/early August 2019 release of the Draft EIS.

Resolution Copper Project and Land Exchange info is available online at:

<http://www.resolutionmineeis.us/>.



- Bureau of Land Management
 - Bureau of Reclamation
 - Department of Defense
 - State
 - Private/Other
 - Tribal
-
- Tailings Storage Facility
 - PAG Cell
 - Borrow Area
 - Mining Panel
-
- Land Ownership**
 - Forest Service
-
- Pumping Wells
 - New Power Line
 - Existing Power Lines
 - AZ Scenic Trail
 - Railroad
 - Proposed Action Component

Resolution Copper Project and Land Exchange

