

US EPA ARCHIVE DOCUMENT

Tribal Case Study: Wrapping Mountains

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San Manuel Band of Mission
Indians

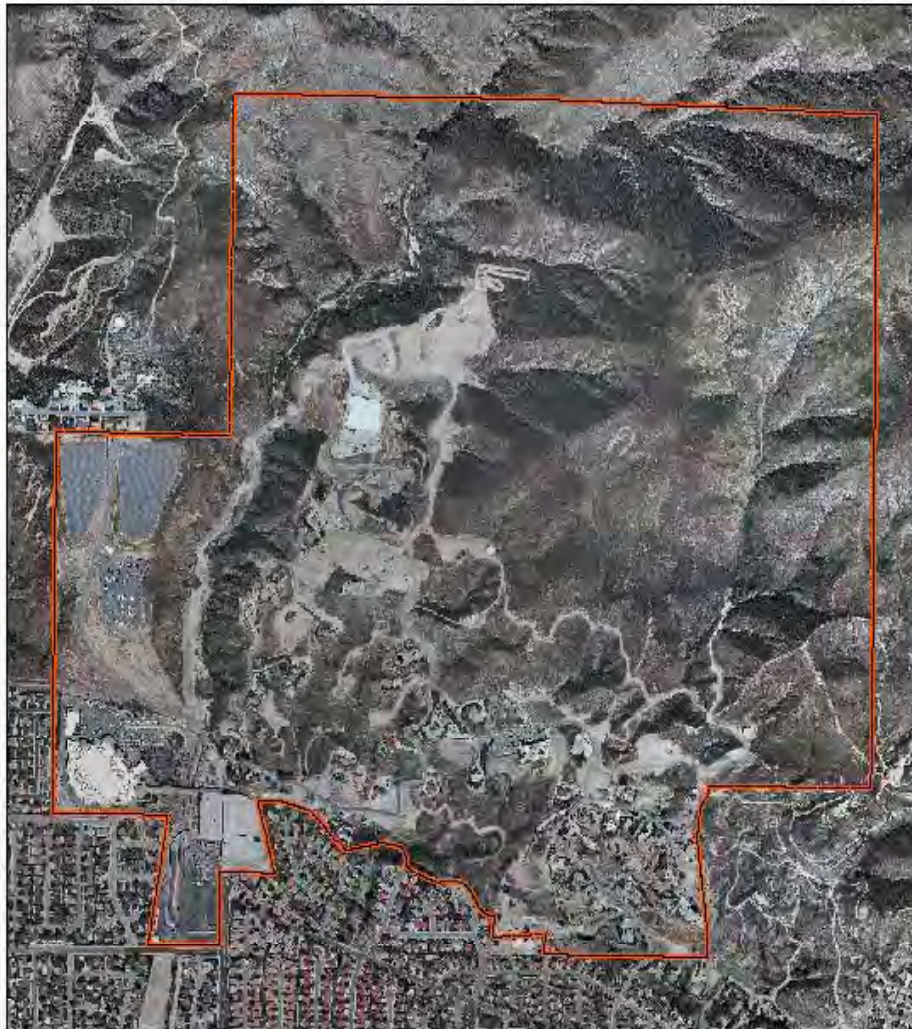
SAN MANUEL



Image Date: 11/15/2009

34°09'09.55" N 117°13'18.01" W elev 1724 ft

Eye alt 3099

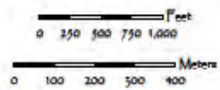


LEGEND

 San Manuel Reservation

SAN MANUEL INDIAN RESERVATION
Highland, CA

San Manuel Band of Mission Indians
26569 Community Center Dr.
Highland, CA 92346
Geographic Information Services
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NOTE:

This map does not convey opinions of location, boundary, or area to the accuracy of a survey map.

Challenges

- ▶ The majority of the reservation is on a 30% grade slope or greater.
 - Soils on these slopes drain excessively and have a low water capacity.

Effectiveness' of BMPs

Success

- ▶ Straw wattles
- ▶ Hydro-seed
- ▶ Coconut fabric
- ▶ Sediment detention basins

Not so much

- ▶ Silt fencing
- ▶ Straw bails
- ▶ Jute netting

Winter 2010 Storm Aftermath



Sand Canyon Sedimentation basin – Flood Control District
(15ft of material deposited)

Sand Canyon Sedimentation Basin





Result of no BMPs used at this site

Day after storm, major slope failures
And severe bank cutting

