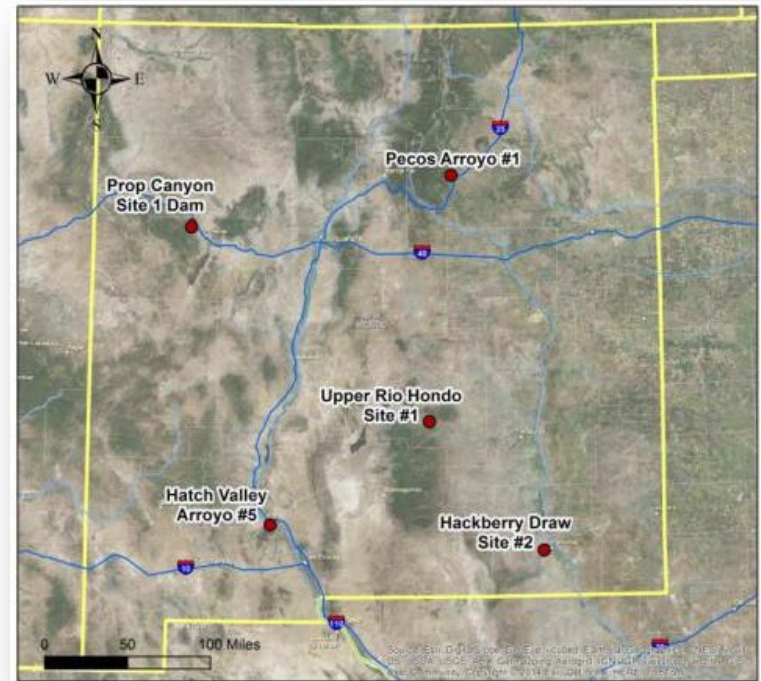
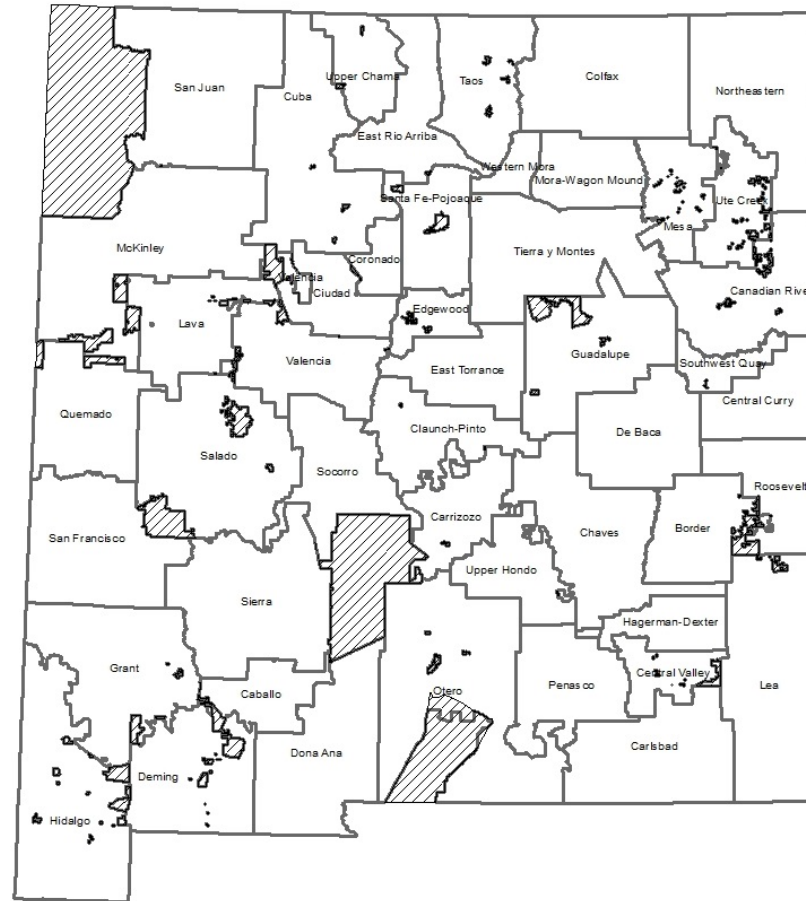


# Soil and Water Conservation District (SWCD) Dam Inundation Mapping and Emergency Action Planning Project

Water and Natural  
Resources  
Interim Committee  
Meeting  
August 31, 2015



# Project Overview



# “2014 Work New Mexico Act”

## HB 55

Under Section 31 (New Mexico State University Projects – Severance Tax Bonds):

“One million dollars (\$1,000,000) to plan, design and construct safety improvements and dam rehabilitation, including inundation mapping, for soil and water conservation district dams statewide.”

# Soil and Water Conservation Districts

- 73-20-44: A “soil and water conservation district,” organized under or perpetuated by the provisions of the Soil and Water Conservation District Act [73-20-25 NMSA 1978], is a governmental subdivision of the state, a public body politic and corporate.”
- 47 SWCDs statewide tasked with:
  - (1) control and **prevent soil erosion**;
  - (2) prevent **floodwater** and sediment damage;
  - (3) further the conservation, development, beneficial application and proper **disposal of water**;
  - (4) **promote the use of impounded water** for recreation, propagation of fish and wildlife, irrigation and for urban and industrial needs; and
  - (5) by the application of these measures, conserve and develop the natural resources of the state;
  - (6) provide for **flood control**, preserve wildlife, protect the tax base and promote the health, safety and general welfare of the people of New Mexico.

# AECOM Scope of Work

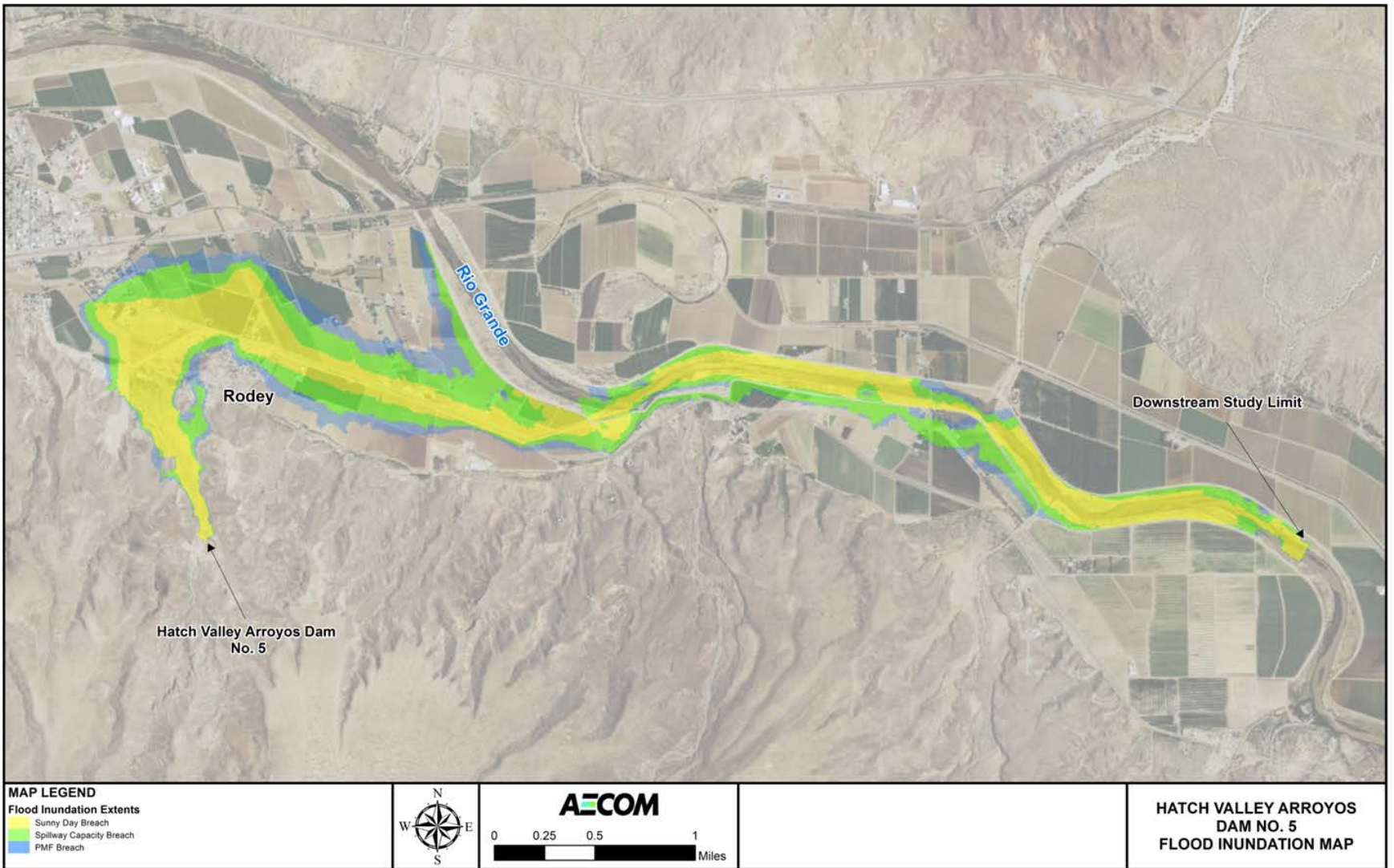


# Scope of Work

- Task 1: Data Collection
- Task 2: Flood Hydrology Report
- Task 3: Dam Breach Report
- Task 4: Inundation Mapping
- Task 5: Emergency Action Plan
  - Only for Pecos Arroyo W.S. Site 1 Dam and Hatch Valley Arroyos Dam No. 5.

# Dam Locations

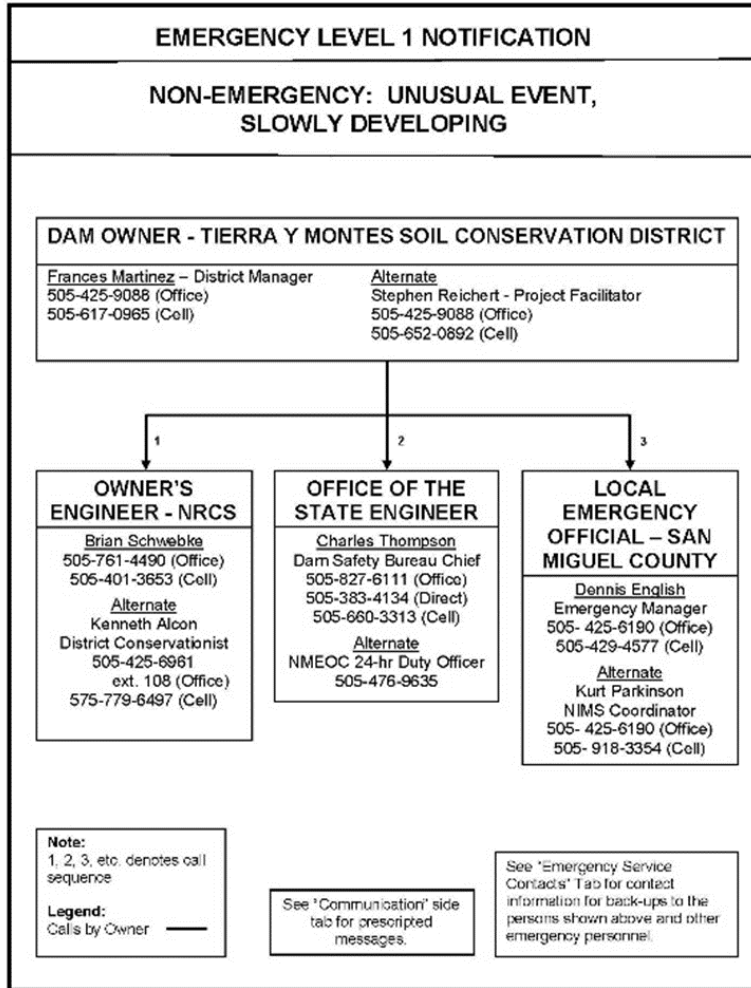






# Emergency Action Plans for Dams

- Prepared following New Mexico Office of the State Engineer Dam Safety Bureau template (generally follows NRCS format)
  - Step 1 – Event Detection
  - Step 2 – Emergency Level Determination
    - Unusual event
    - Potential dam failure
    - Active or imminent dam failure
  - Step 3 – Notification and Communication
    - Notification flow chart
    - Script
  - Step 4 - Expected Actions
    - Monitor
    - Implement mitigation
    - Evacuate
  - Step 5 – Termination and Follow-up

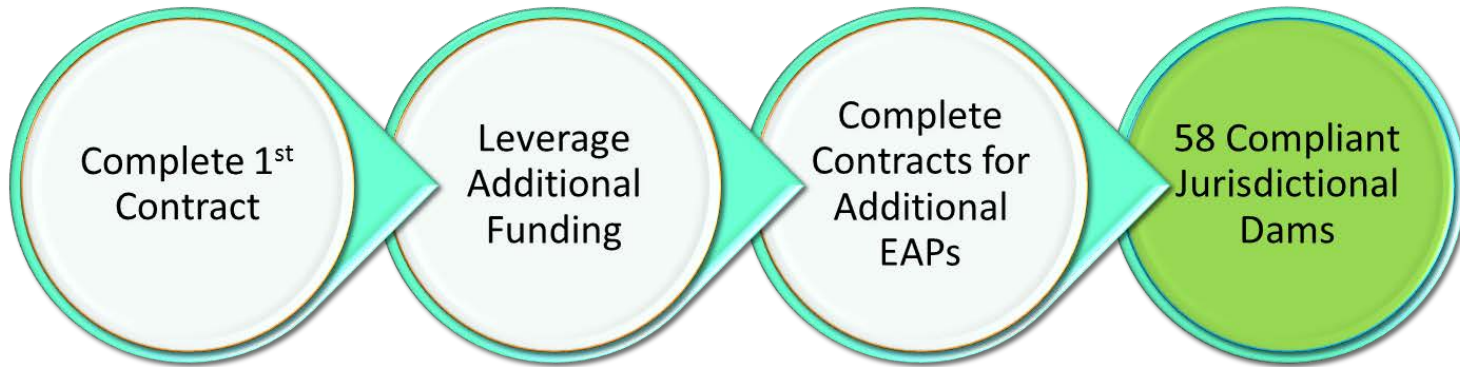


# Project Schedule by Dam

Site Name	Start Date	End Date
Prop Canyon Site No. 1 Dam	5/18/15	12/18/15
Hatch Valley Arroyos Dam No. 5	3/23/15	11/13/15
Hackberry Draw Site No. 2 Dam	5/29/15	12/31/15
Upper Rio Hondo Site 1 Dam	4/27/15	12/4/15
Pecos Arroyo Watershed Site 1 Dam	3/23/15	10/30/15



# Our Next Steps



# Questions

