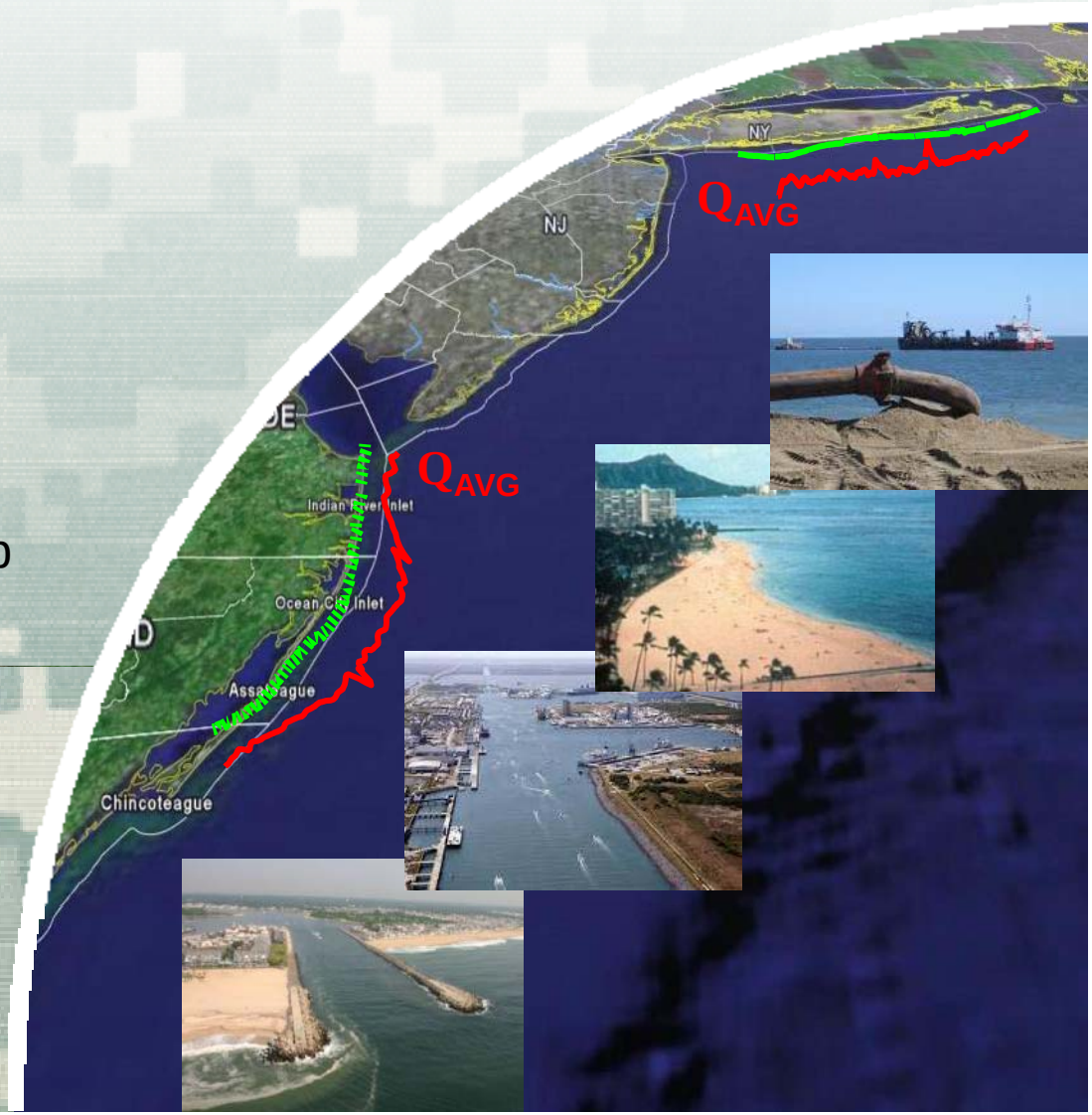
Middle Rio Grande Sedimentation

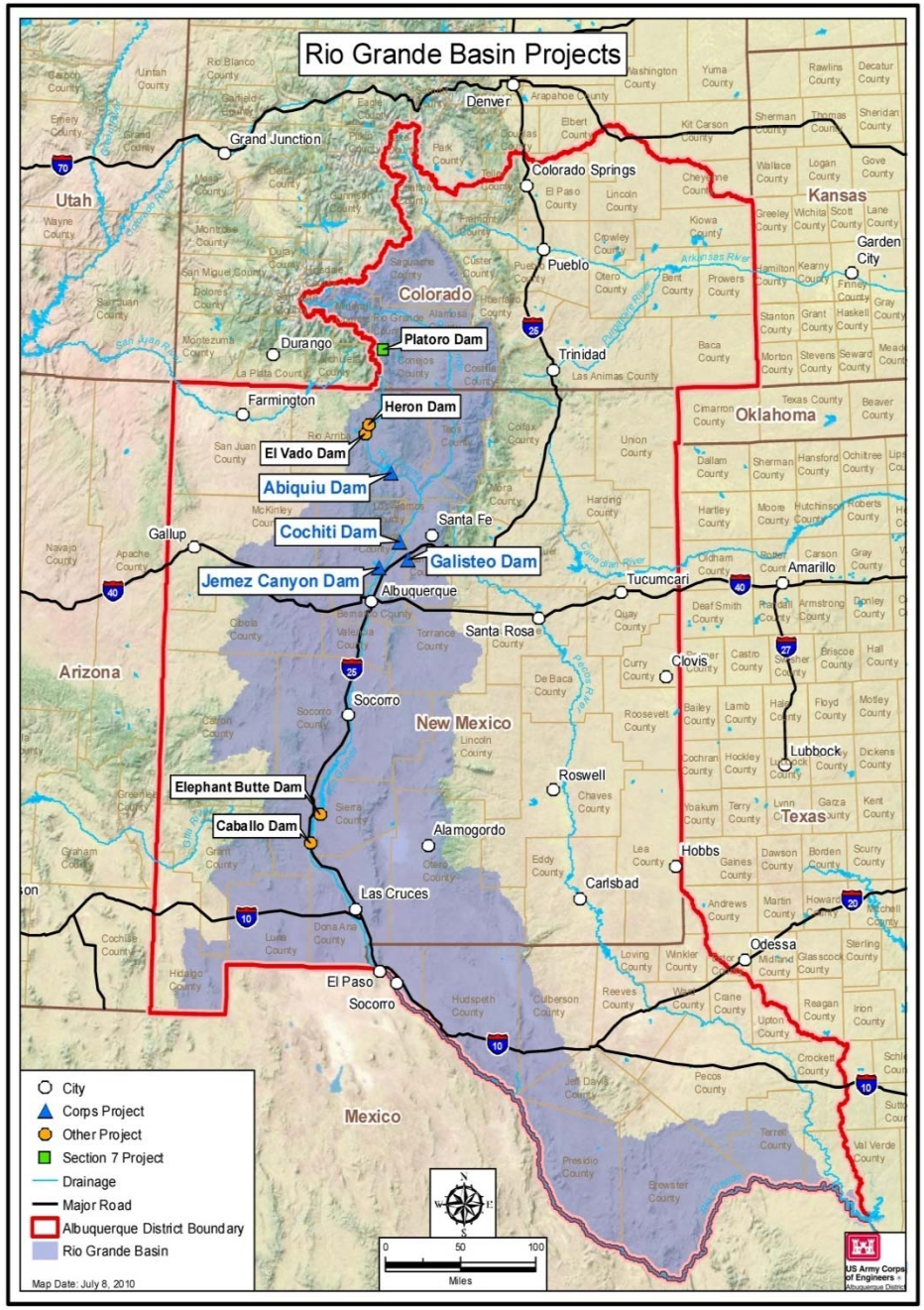
Ryan Gronewold, P.E.
Rio Grande Basin Coordinator,
Reservoir Control Branch

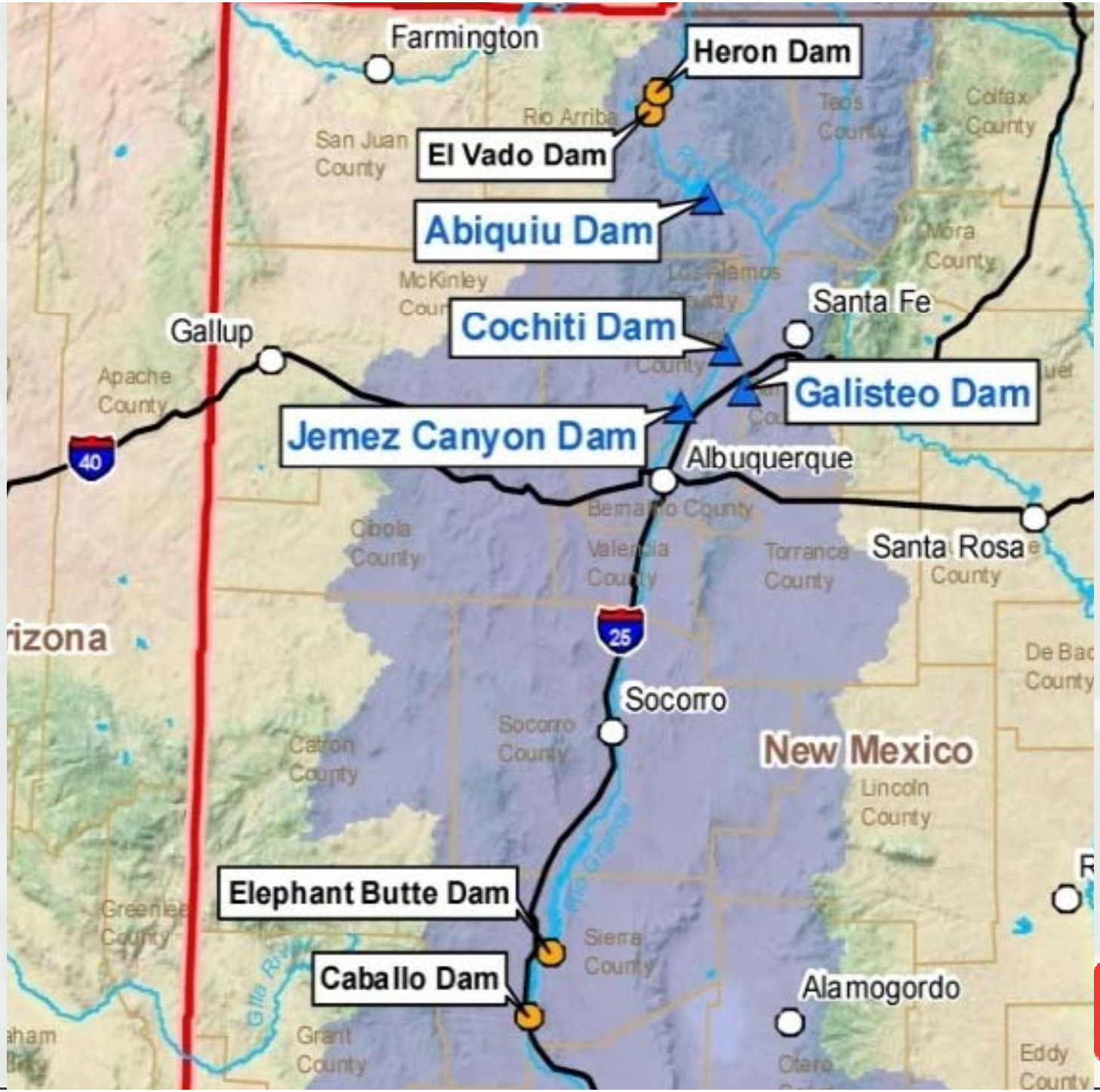


RSM and EWN Inland Workshop
29 April – 1 May 2014
Omaha, Nebraska

US Army Corps of Engineers
BUILDING STRONG®

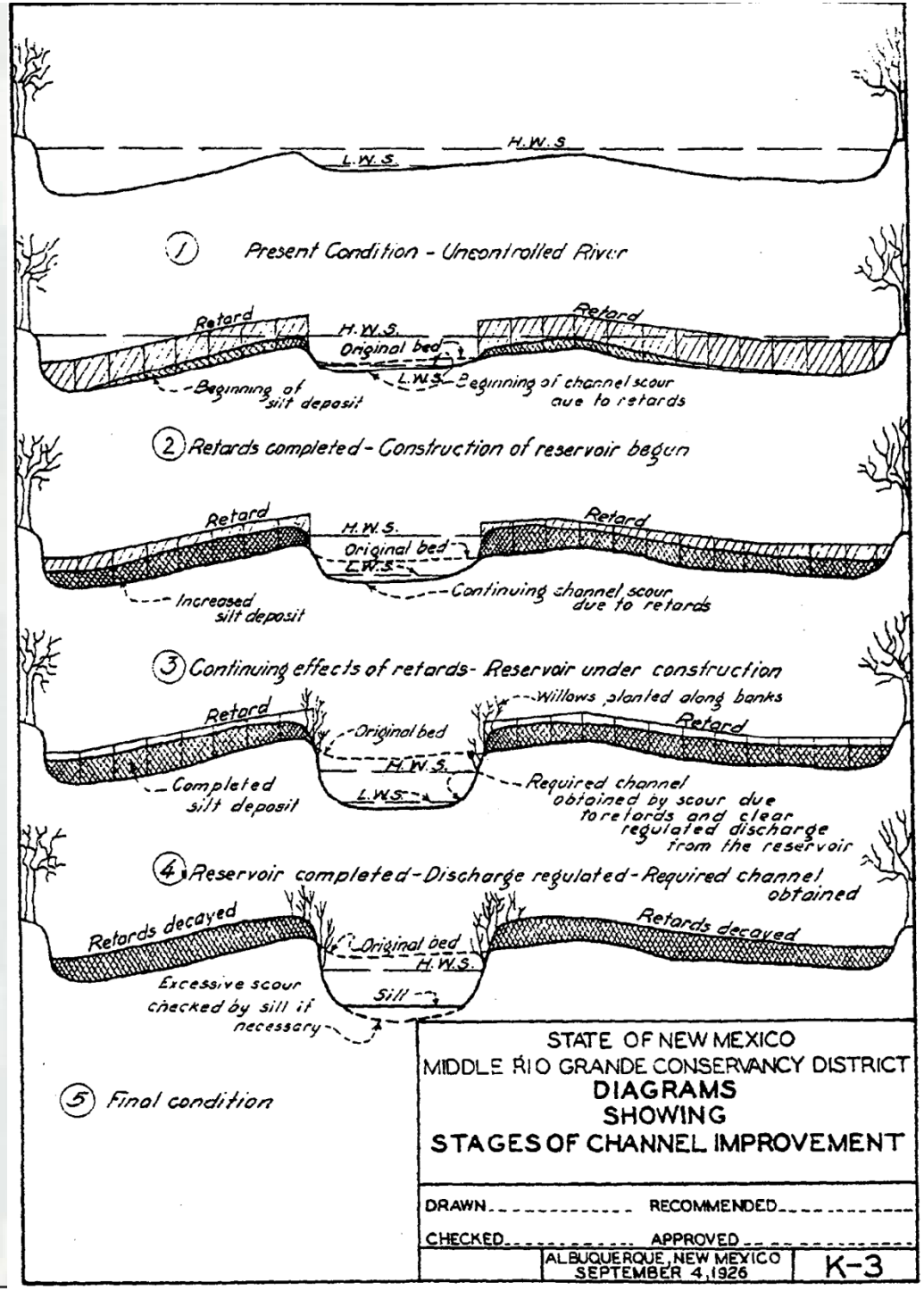
Rio Grande Basin Projects within SPA




Farmington
Heron Dam
Rio Arriba
San Juan County
El Vado Dam
Abiquiu Dam
Colfax County
Mora County
McKinley County
Santa Fe
Cochiti Dam
Gallup
Apache County
Galisteo Dam
Jemez Canyon Dam
40
Albuquerque
Bernalillo County
Cibola County
Valencia County
Torrance County
Santa Rosa
County
rizona
25
Socorro
Socorro County
Catron County
New Mexico
Lincoln County
Elephant Butte Dam
Greenlee County
Sierra County
Caballo Dam
Alamogordo
Grant County
Otero
Eddy County

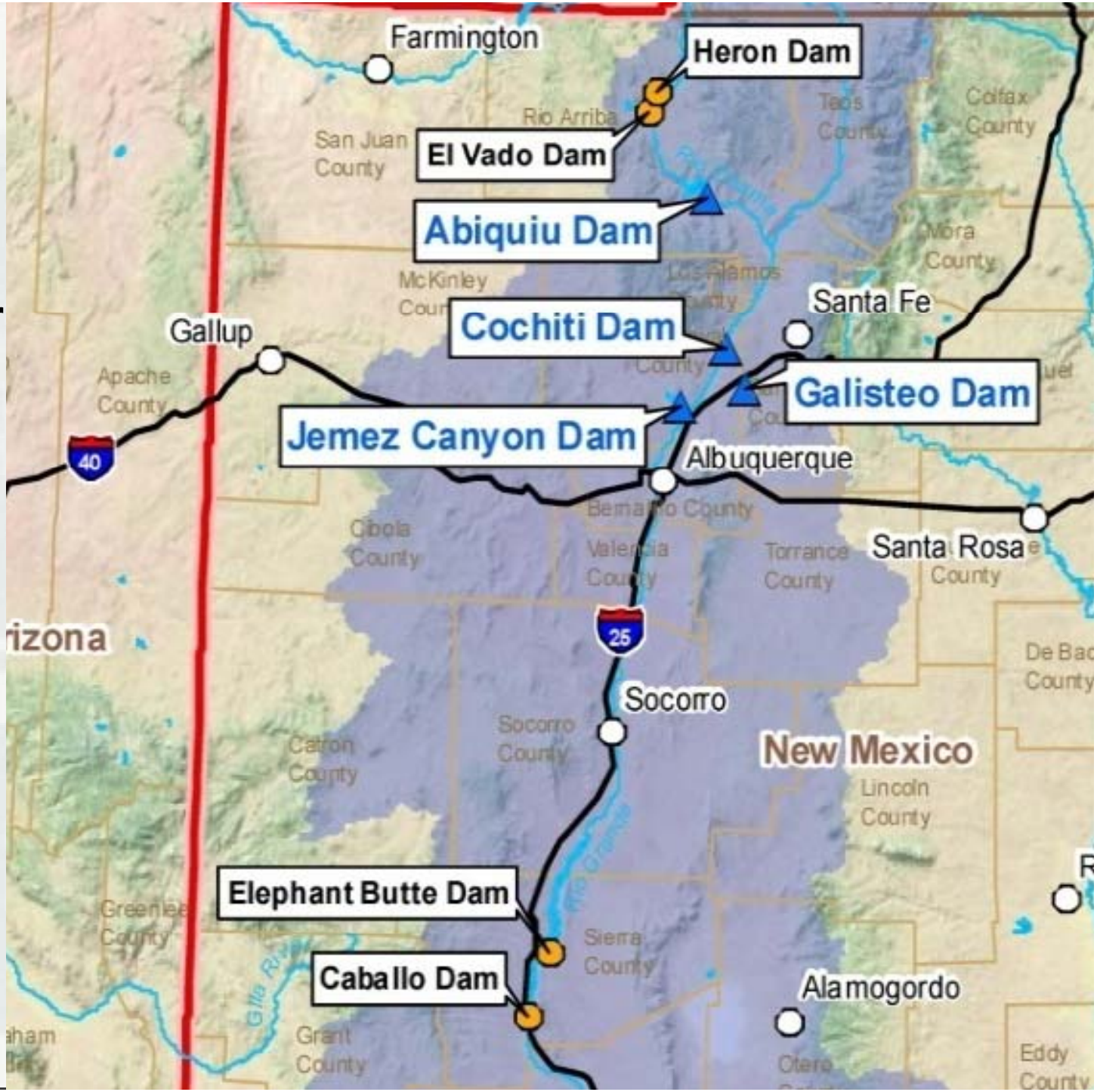
Flooding and Sedimentation

Channel Improvement



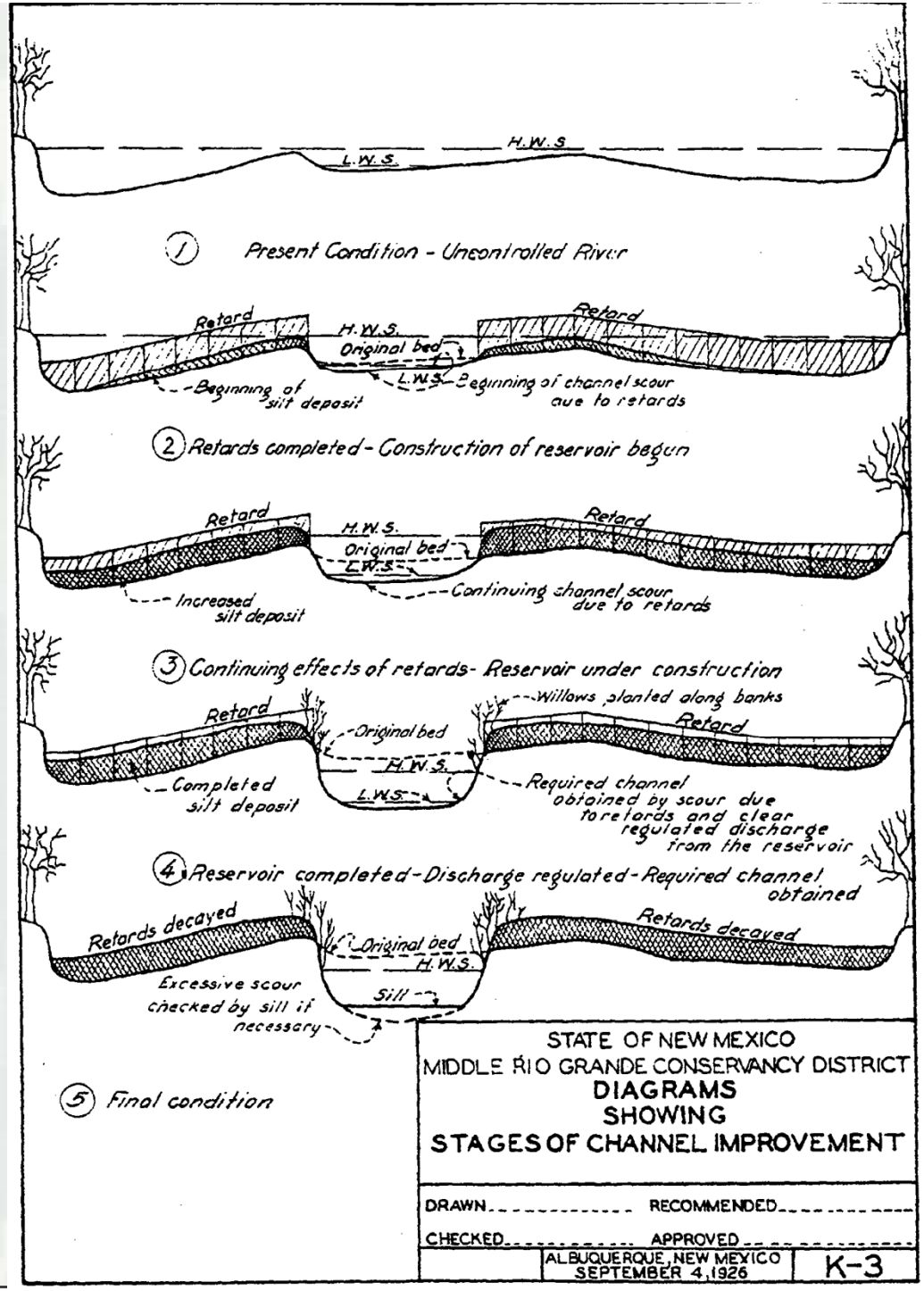
Jetty Jacks

Corps dams authorized for flood and sediment control



Channel Improvements Worked!

- Interior and agricultural drainage improved
- No significant floods since improvements
- Channel capacity at Albuquerque increased from 5,000 cfs to 7,000 cfs



Rio Grande Silvery Minnow

Restoration Projects

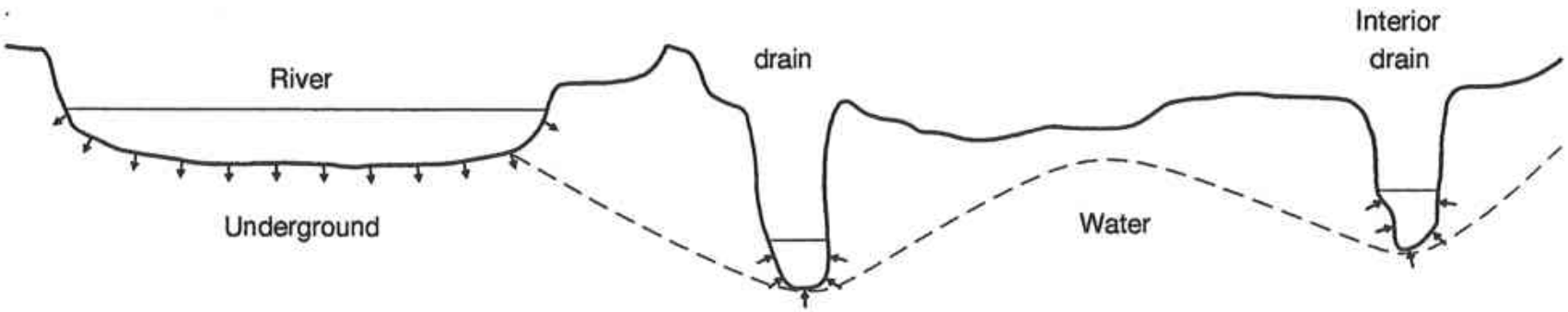
Middle Rio Grande Restoration

Bank Shaving and Willow Swale

Issues…

- Sustainable Ecosystem Restoration Projects
- Flood Protection vs Habitat Improvement
- ESA vs Authorized Purpose
- Sediment Transport Study Underway

Questions?


River
drain
Interior
drain
Underground
Water