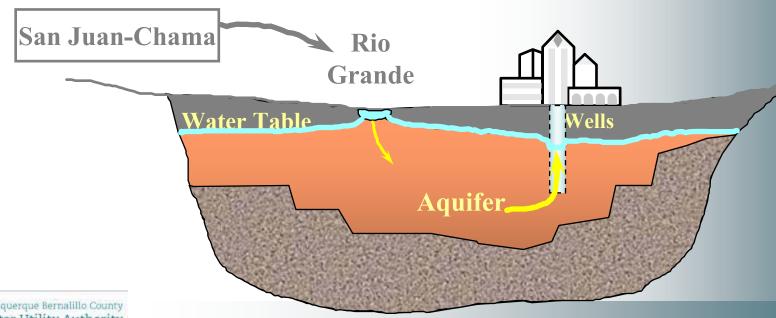
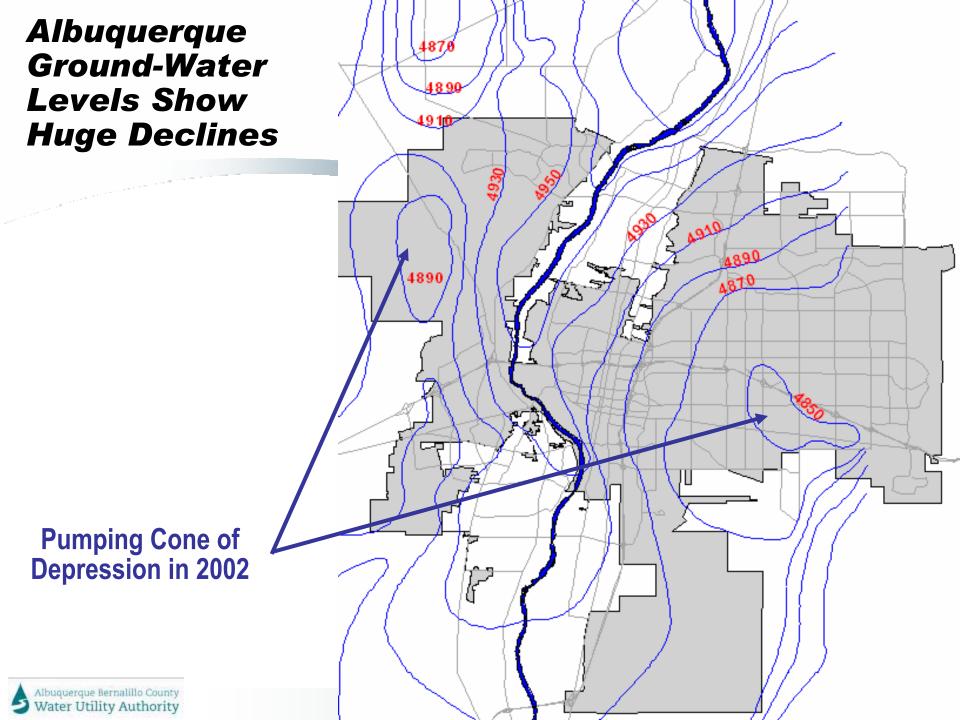


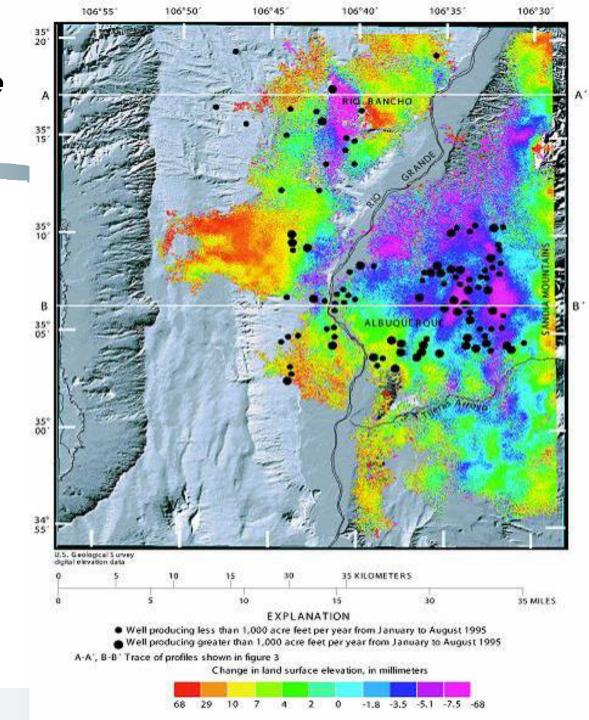
### Problems with the 1960s Plan

- The Rio Grande does not re-supply the aquifer
- The aquifer is smaller than thought

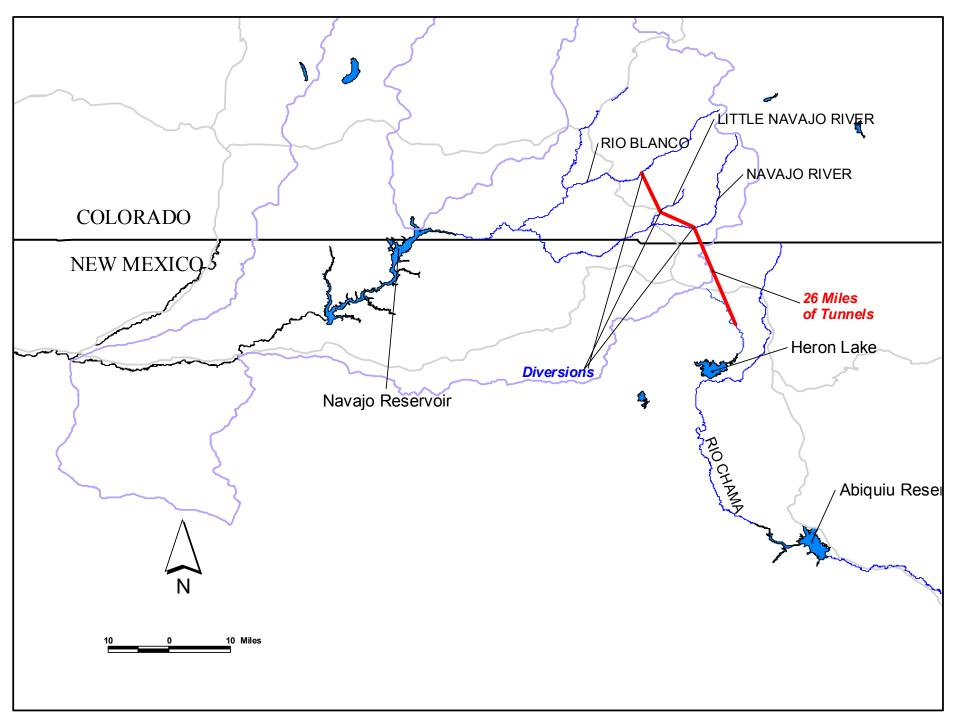




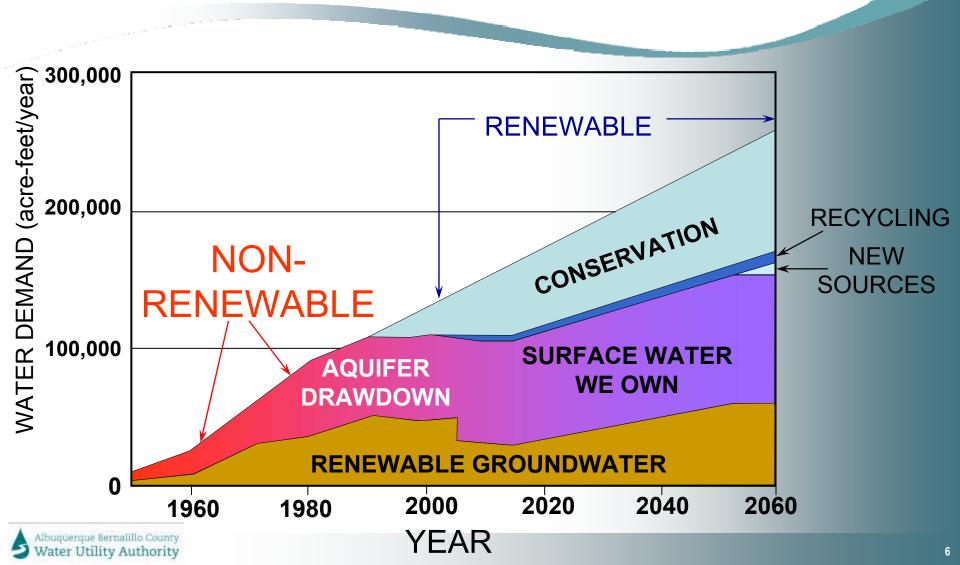
### USGS – Land Surface Subsidence Estimate



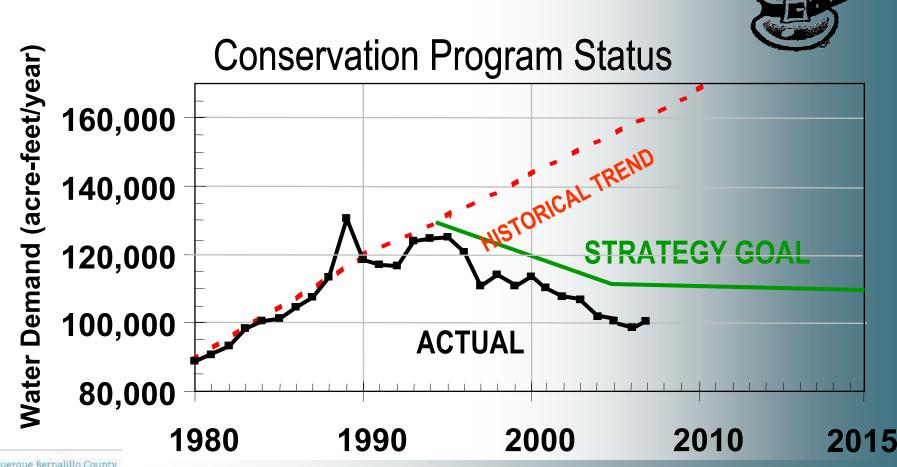




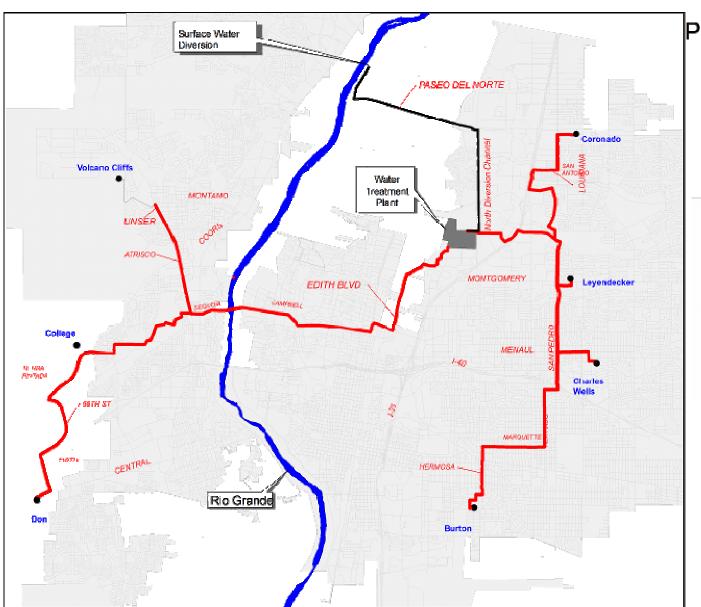
# Albuquerque's Projected Water Demand and Available Supplies



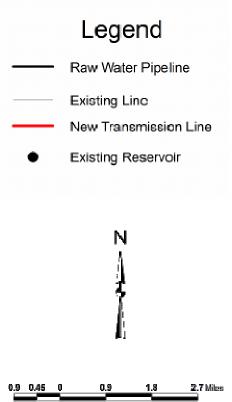
# WRMS – Conservation - 40% Reduction







#### Proposed Surface Water Distribution System





## **Diversion Dam Construction**





# **Diversion Dam**



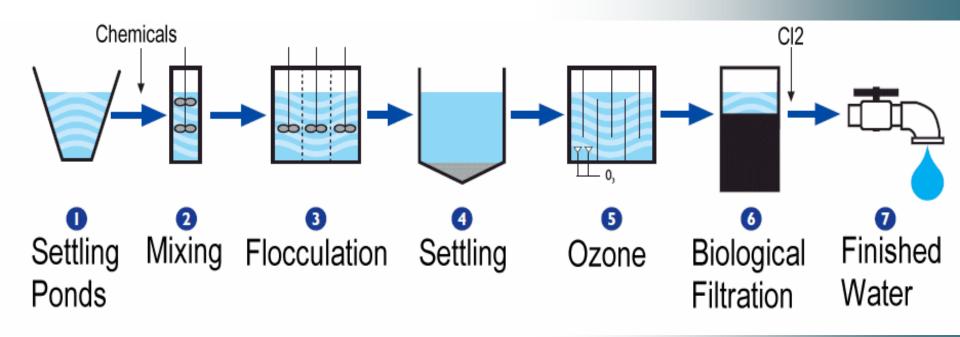
## Finished Diversion Dam







### Water Treatment Process





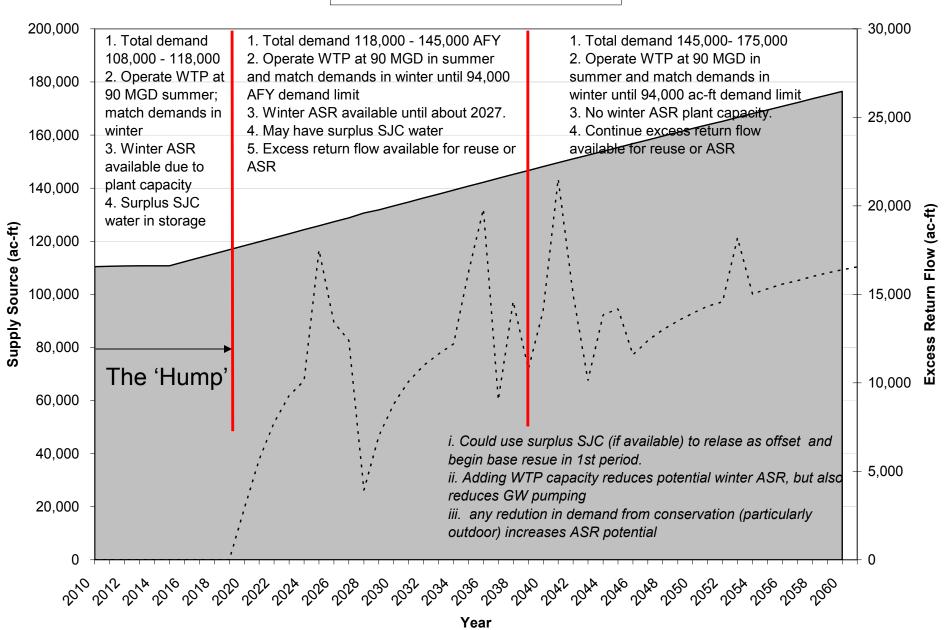


# Transition to San Juan-Chama DWP – December 2008

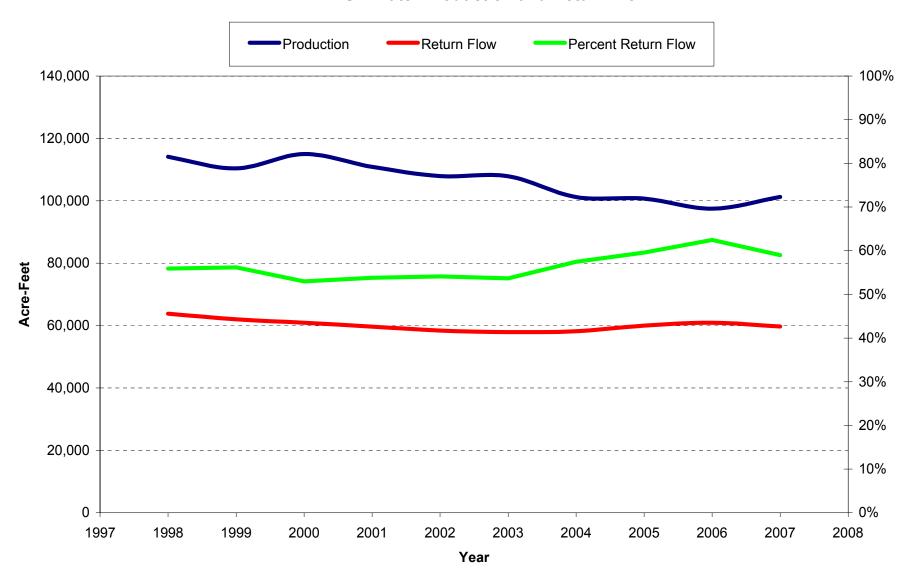
- 25% of demand for 1st year
- 50% of demand for 1st/2nd year
- Full transition in 2<sup>nd</sup>/3<sup>rd</sup> year
- flexibility will change mix depending on customer and water system reaction



#### Demand - - - - Excess Return Flow

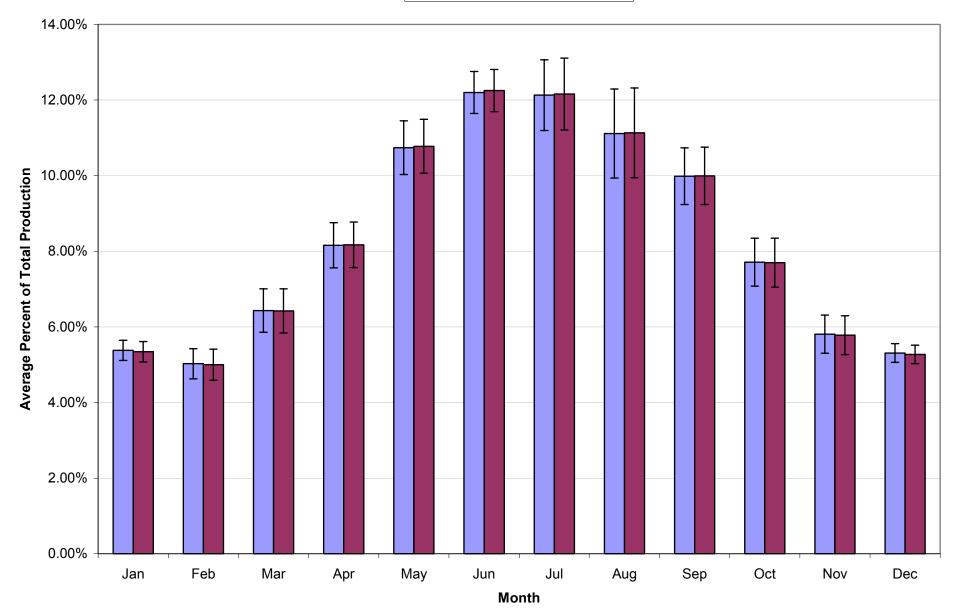


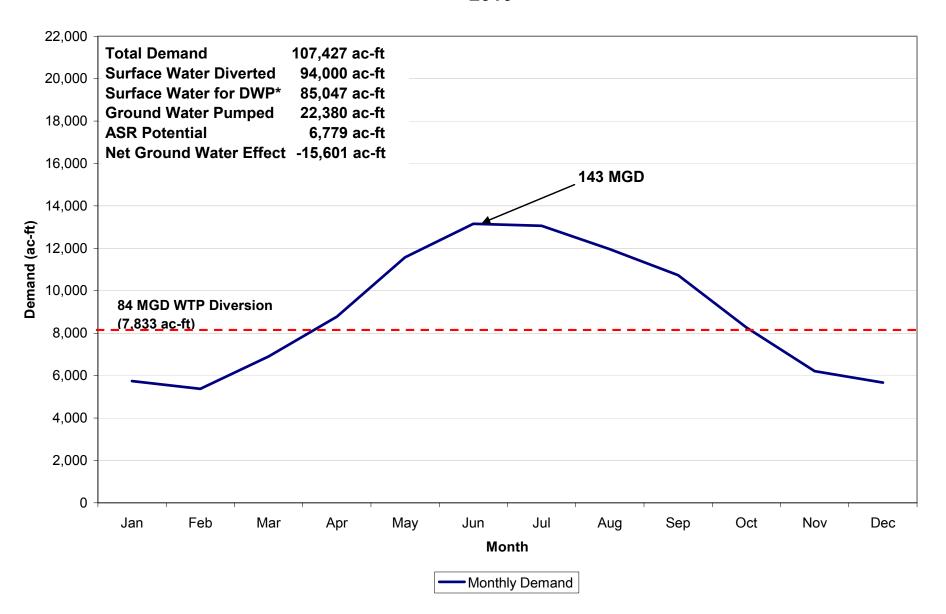
#### **ABCWUA Water Production and Return Flow**

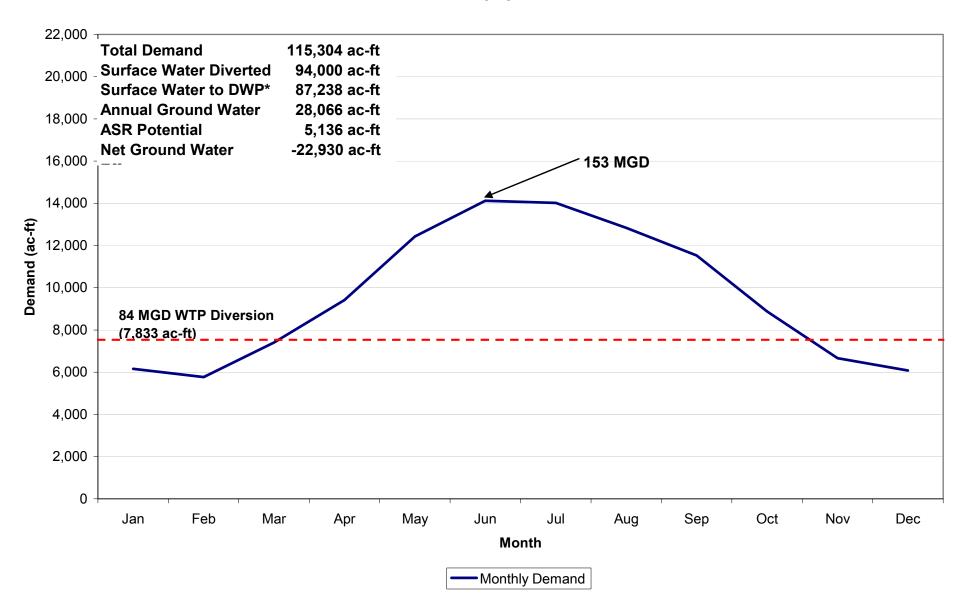


# Percentage Demand by Month

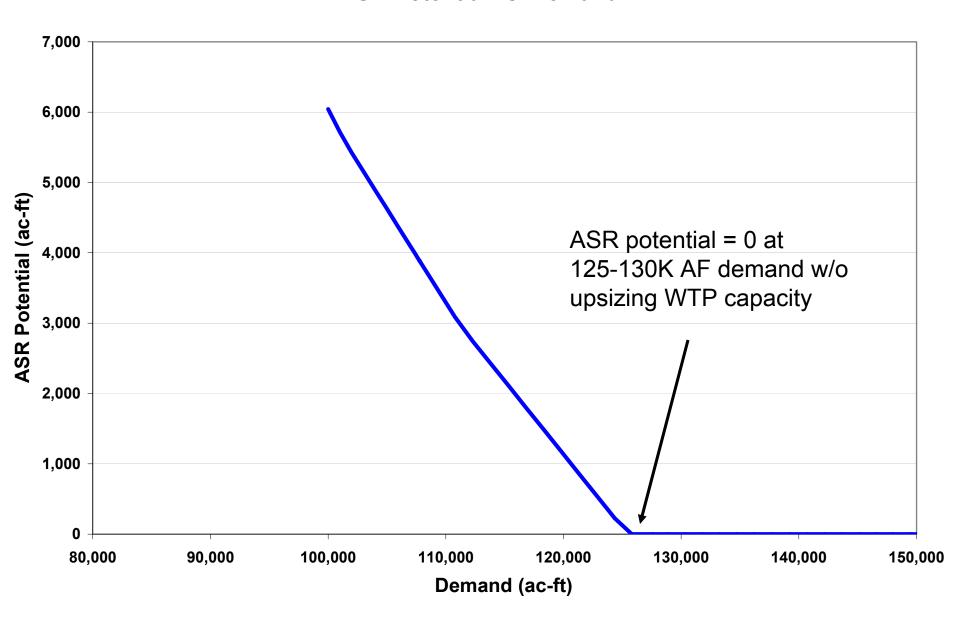
■ System Wells ■ Total Production

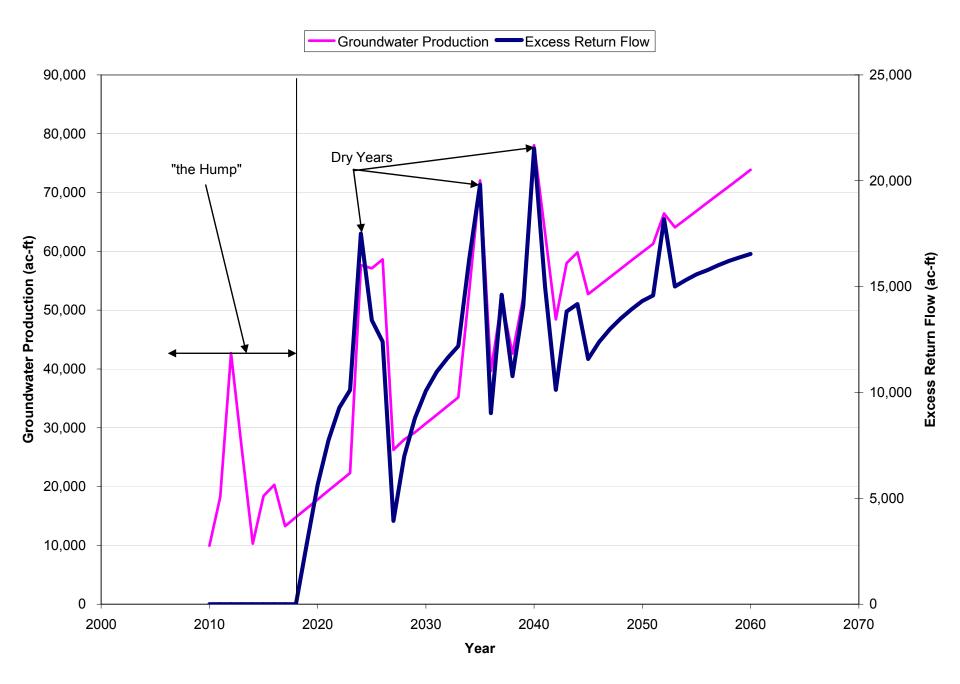




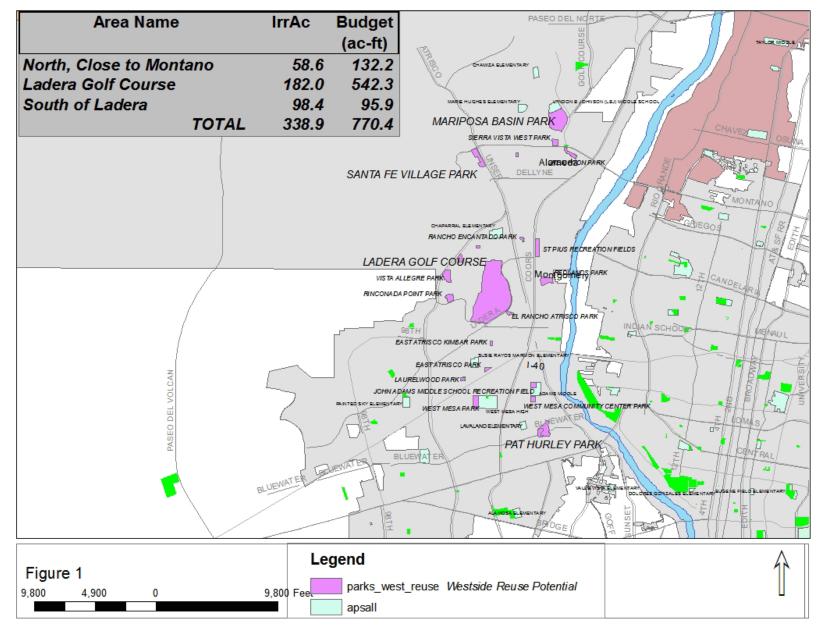


#### **ASR Potential vs. Demand**





### Westside Reuse Potential



# Future Water Supply

- Reuse
  - Southside Reuse Project
  - Mesa del Sol
  - Others?
- ASR
  - Pilot project in Bear Canyon Arroyo
  - Retrofitting wells for dual use
  - Banking water today for use tomorrow
- Desalination
  - Aquifer Characterization quantity and quality of sources
    - sources in the Middle Rio Grande
    - sources outside of the Middle Rio Grande
  - Review of Desalination Technologies and Projects
    - available membrane technology
    - existing and planned projects
    - ongoing research

