NM statewide water assessment: Assessment of Spatiotemporal Groundwater Level Changes Throughout New Mexico

Objectives

- Transmit data from a groundwater database into a Geographic Information System (GIS) to map out the spatial distribution of groundwater level changes for visual and spatial analysis.
- Calculate groundwater elevation, change in groundwater elevation, and change in groundwater pumping and population.
- Evaluate the potential impact of increased groundwater pumping on changes in groundwater elevation.

Projected Outcomes

- Statewide maps showing changes in groundwater elevation from 1994 to 2014 (5-year time intervals).
- A map of the change in groundwater levels over time provides a spatiotemporal assessment of the impact of groundwater withdrawals over time throughout NM.
Selected Shallow (0-150ft) Groundwater Data & Trends

Northwestern:
- 2.5 ft/y
- 0.4 ft/y

Northeastern:
- 2 ft/y

Southwestern

Southeastern