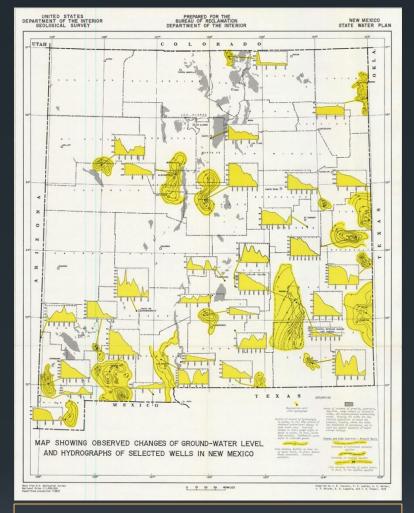
Groundwater level and storage changes for regions of New Mexico

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Water level change may indicate depletion of the aquifer, variations in nearby surface water, fluctuations in recharge amounts, and changes in the total water remaining in storage for future use.

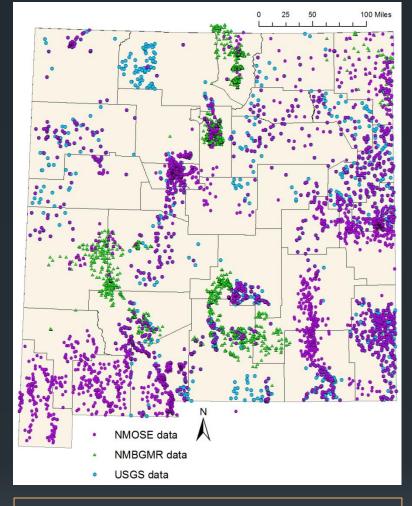
- Step 1: Compile water level data into comprehensive, relational database by December 2014
- Step 2: Select basins/regions
- Step 3: Contour changes in groundwater levels over regionallyappropriate time interval (i.e. 5-10 years)
- Step 4: Calculate changes in water storage over relevant time intervals (where possible)

- Datasets from USGS/OSE, NMBGMR, others
 - Data coverage is NOT evenly distributed statewide; data gaps
 - Intervals of measurement are variable
- Products:
 - Compiled water level database
 - Regional contours of water level changes
 - Estimate of change in groundwater storage
 - Technical report describing methodology*
 * This can be used on other regions of the state, pending future funding.



Above map was compiled in 1974 with a similar idea.

Our project will improve on this idea for several regions with current data and several time periods. Additionally, we will attempt to calculate changes in ground water storage for those regions.



Datasets as of October 2014. Locations with water level measurements from multiple sources, over various time periods. We are currently working to combine these datasets and fulfill data standardization needs.