

CASGEM and Groundwater Elevations Borrego Valley



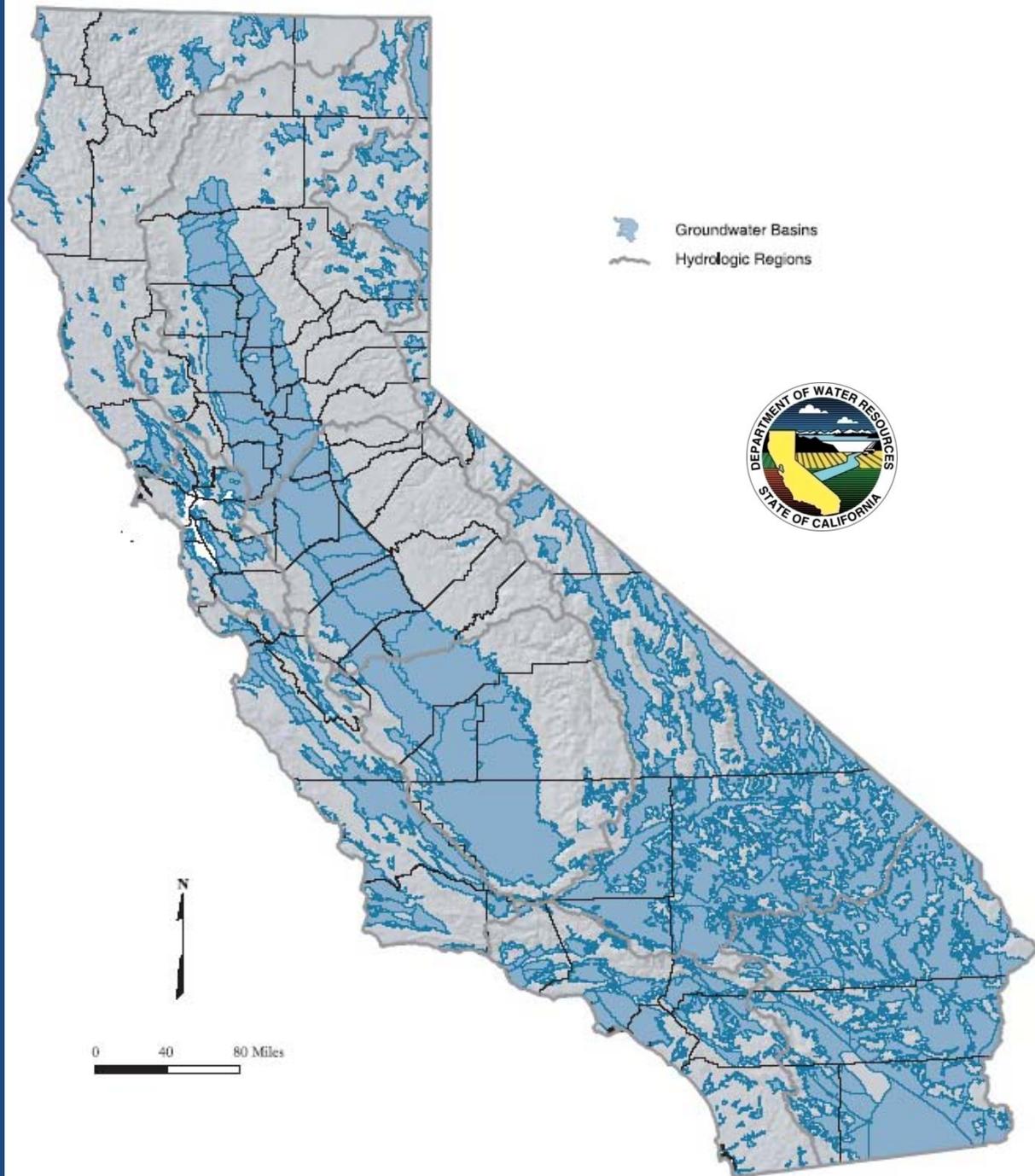
Presented by

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Section

California Statewide Groundwater Elevation Monitoring (CASGEM)

- 515 alluvial groundwater basins and subbasins are delineated in *California's Groundwater*, DWR Bulletin 118-2003



CASGEM Goals

Short term

- Encourage local participation throughout the state
- Determine the extent of groundwater elevation monitoring in California's groundwater basins
- Provide assistance to local agencies

Long term

- Establish a statewide groundwater monitoring network that shows seasonal and long-term trends
- DWR Region Offices work with local agencies to better characterize California's groundwater basins

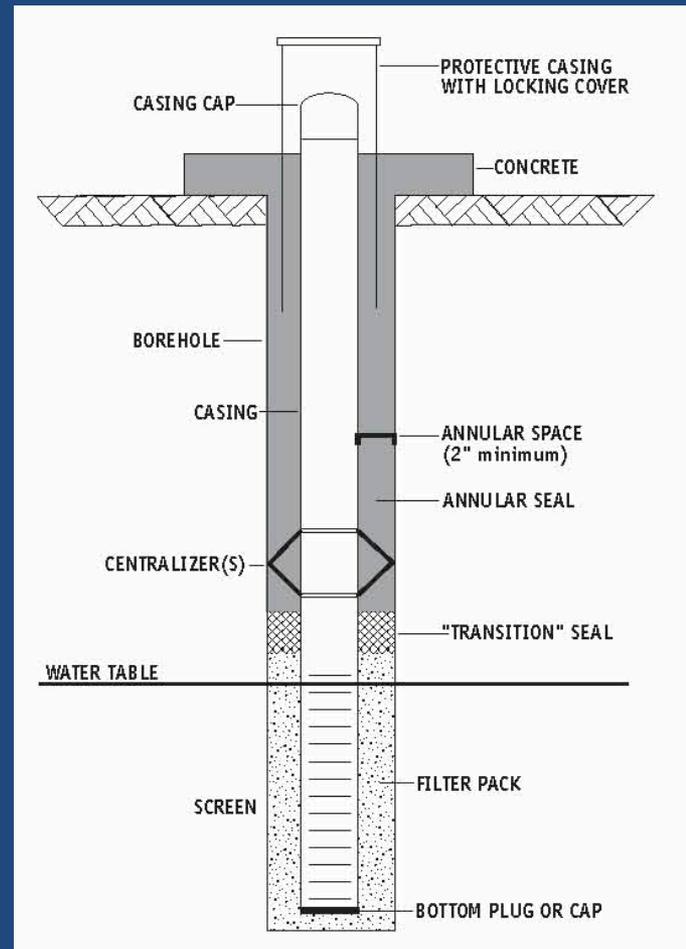
What does a Monitoring Entity do?

- The Monitoring Entity(s) in a basin work with DWR to establish an effective monitoring plan
- Measure and collect groundwater level measurements from cooperating agencies
- Submit the collected data to DWR



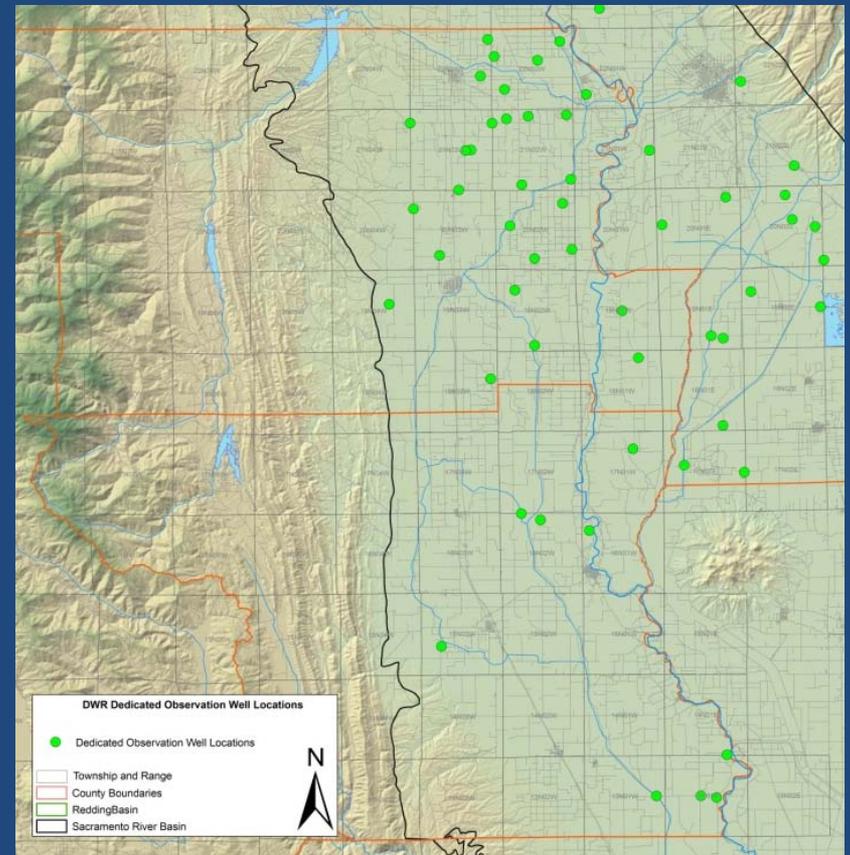
What would be included in a monitoring network plan?

- **Wells to be measured** – Representative wells covering spatial distribution of the basin and wells from each of the major aquifers
 - *Public water supply wells are not to be included in the monitoring network plan*
- **Well information should include** – type, depth, screened interval, location coordinates, elevations, who will perform monitoring



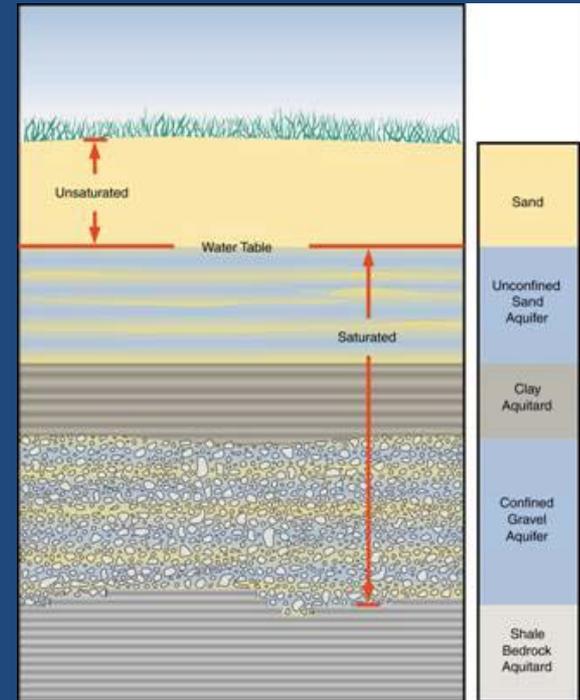
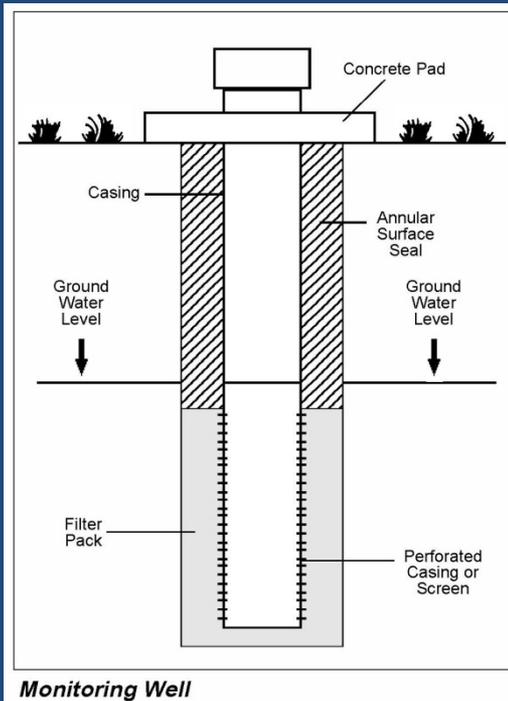
What would be included in a monitoring network plan?

- **Measurement frequency and timing** – At a minimum, measure the yearly high and low for the basin, usually spring and fall, but may vary from basin to basin. It is very important that the timing of all the measurements in the basin are coordinated.
- **Note** – DWR Region Office staff are available to help if needed



What does the Monitoring Entity collect?

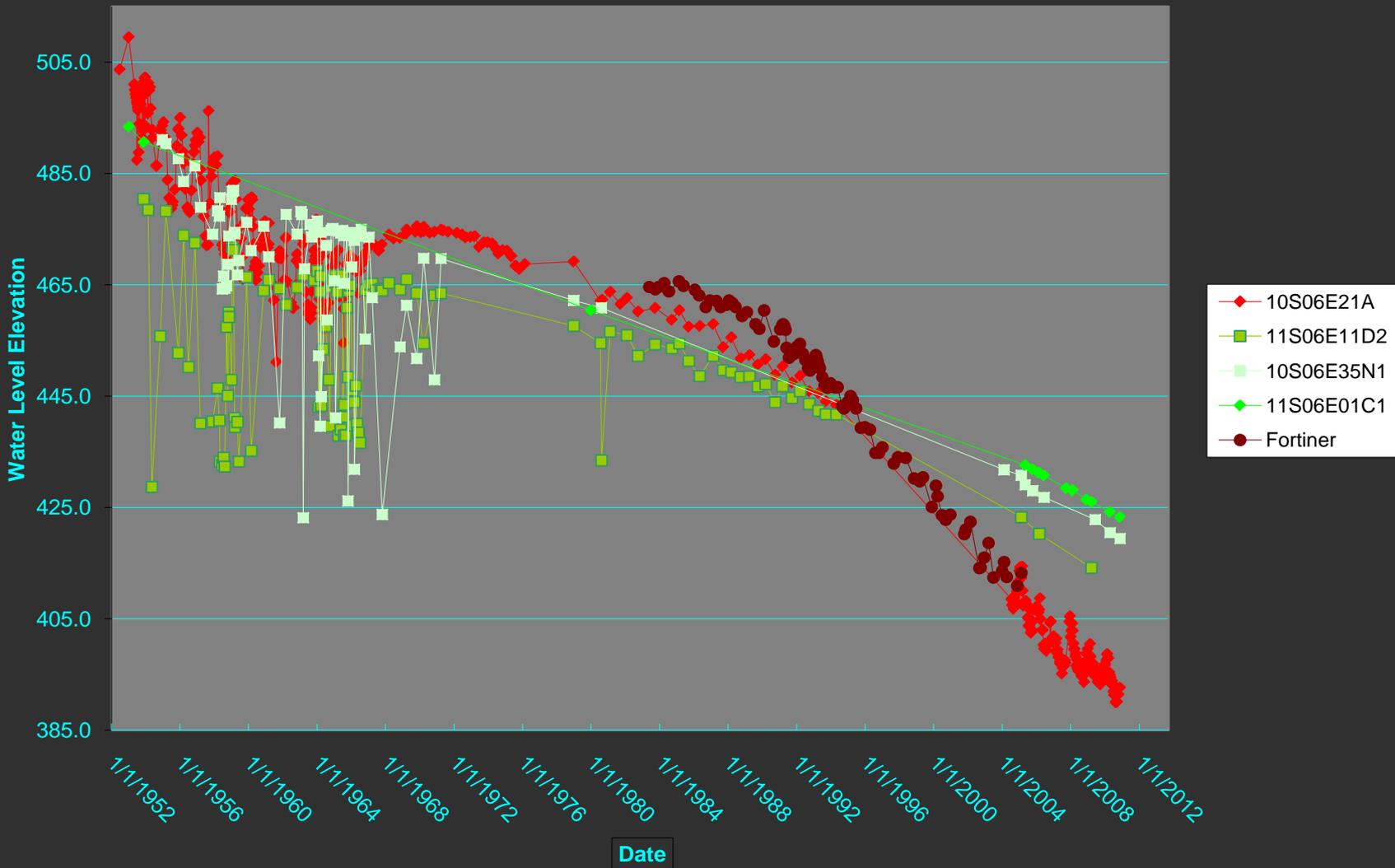
- Groundwater elevation data within their basin to evaluate seasonal and long-term trends



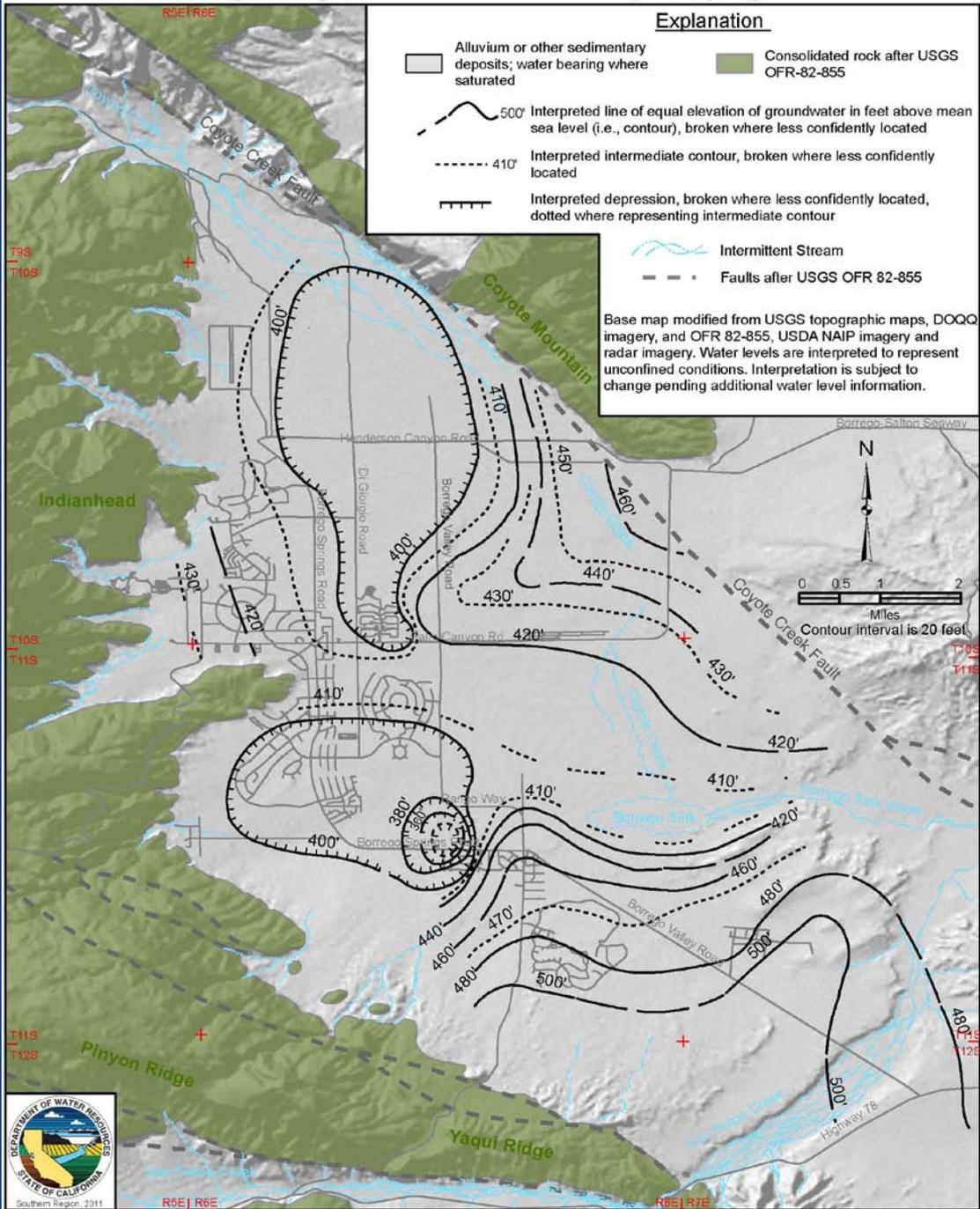
Groundwater Elevations in Borrego Valley



Northern and Central Borrego Valley



Borrego Valley Groundwater Elevation Map for Spring 2010



Borrego Valley Groundwater Elevation Map for Fall 2010

