

CASGEM Update

Executive Briefing
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Mary Scruggs
Supervising Engineering Geologist
Department of Water Resources



California Statewide Groundwater Elevation Monitoring (CASGEM)

Voluntary, long-term program to collect groundwater elevations statewide

- Collaboration between DWR and local agencies
- Local agencies collect groundwater elevation data to demonstrate seasonal and long-term trends
- Data readily and widely available to the public
- Requires DWR to prioritize groundwater basins, investigate groundwater basins, and provide status reports to Governor and Legislature



Selected CASGEM Statistics

(as of February 13, 2014)



- 200 Designated Notifications
 - ✓ 167 basins/subbasins (or portion)
 - ✓ 76 Designated Monitoring Entities
- 4,484 CASGEM wells (since 2012)
- >100,000 records (includes historical data)



CASGEM Statewide Basin Prioritization Process

Statewide Data Sets

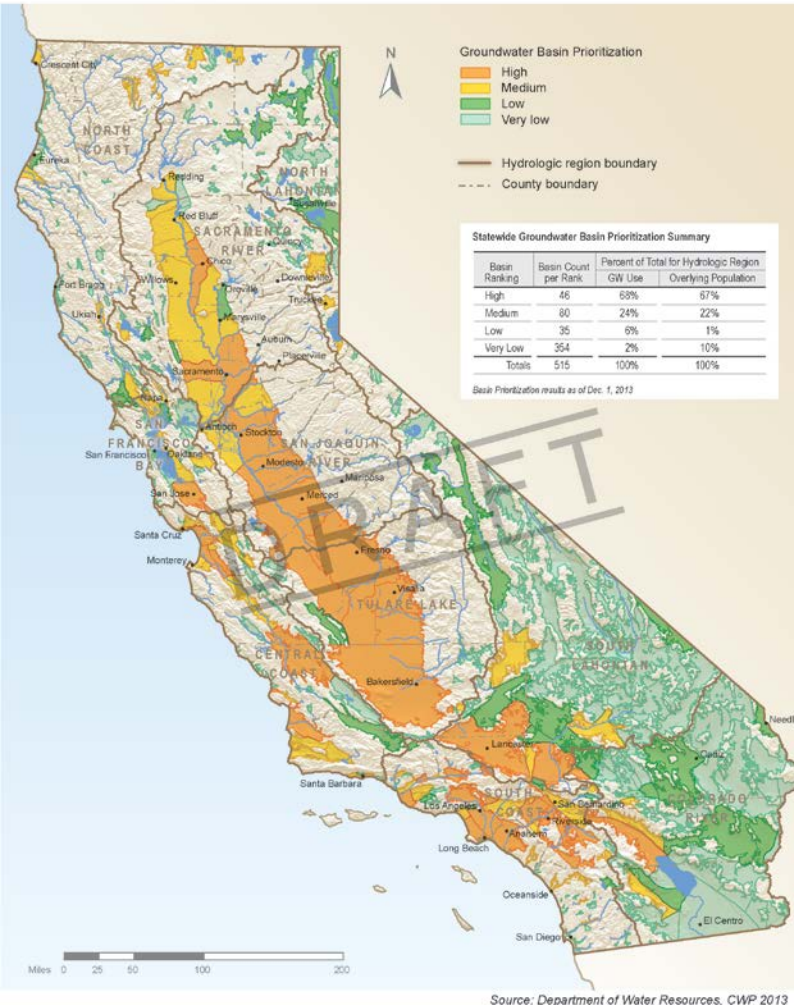
1. Population
2. Population Growth
3. Number of Public Supply Wells
4. Total Number of Wells
5. Irrigated Acreage
6. Groundwater Reliance
7. Documented Impacts
8. Other Information



Draft CASGEM Basin Prioritization

Statewide Results

California Groundwater Basins Prioritization



Basin Prioritization Results

- Prioritization does not reflect basin management or monitoring
- Preliminary Statewide Results
 - ✓ 46 High Priority Basins
 - ✓ 80 Medium Priority Basins
 - ✓ 35 Low Priority Basins
 - ✓ 354 Very Low Priority Basins
- 75% (389) are Low and Very Low Priority Basins
- 25% (126) are High and Medium Priority Basins
 - ✓ 92% of groundwater use, 89% of population overlying the groundwater basin



Utilizing Basin Prioritization

- Focus on evaluating the status of groundwater level monitoring in High and Medium Priority groundwater basins, where monitoring has greatest benefit.
- Does not diminish importance of groundwater on the local scale

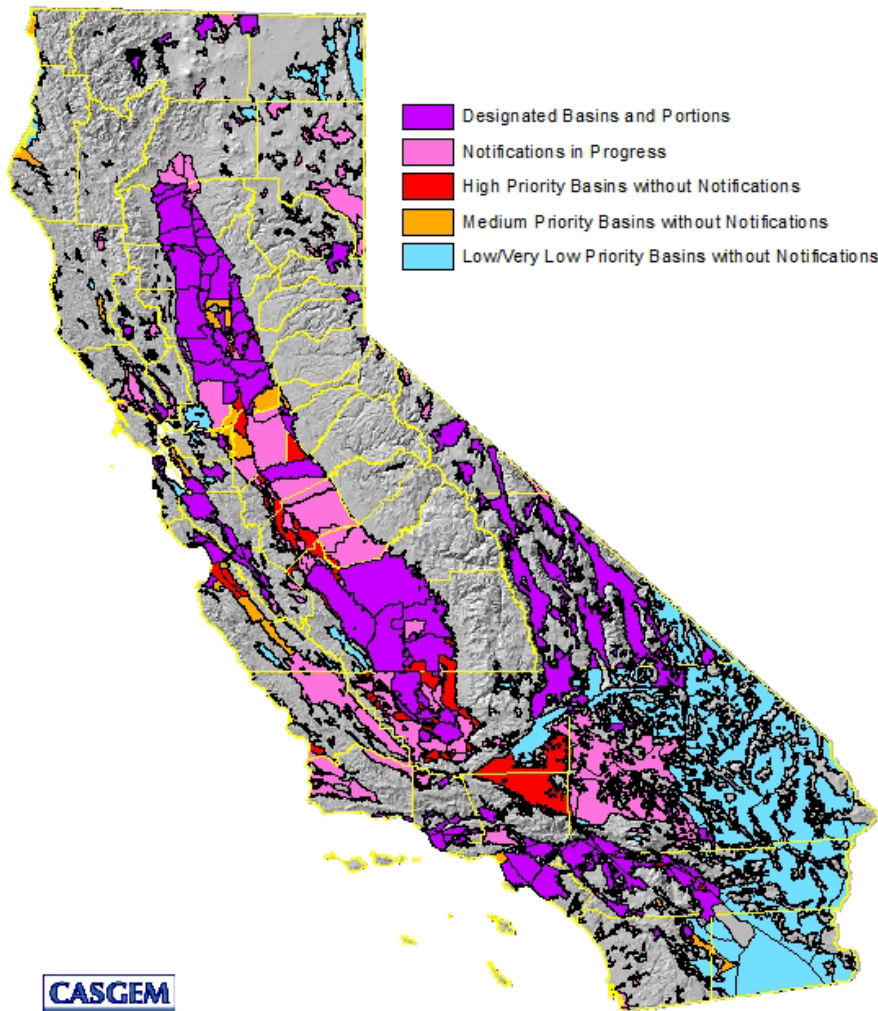


High and Medium Priority Basins

- Identify High and Medium Priority Basins that are not monitored and/or not designated with a Monitoring Entity
 - Preliminary results (as of Feb 13, 2014):
 - 60% (75) of High and Medium Priority basins are monitored under CASGEM
 - 8% (10) of High and Medium Priority Basins are partially monitored under CASGEM
 - 32% (41) of High and Medium Priority Basins are not monitored under CASGEM



Statewide Results as of February 13, 2014



167 groundwater basins/subbasins (including 68% of the 126 classified as high to moderate use) are fully or partially monitored under the California Statewide Groundwater Elevation Monitoring (CASGEM) Program



Future CASGEM Efforts

Emergency Drought Funding and Governor's Budget

- Continue designation of Monitoring Entities
- Evaluate extent of groundwater monitoring
- Using prioritization results, collaborate with local agencies to conduct groundwater basin assessments
- Identify regional trends
- Identify basins subject to overdraft
- Update Bulletin 118 boundaries
- Potentially INSAR data for subsidence



Questions?



Mary Scruggs

mary.scruggs@water.ca.gov

(916) 654-1324

www.water.ca.gov/groundwater/casgem

