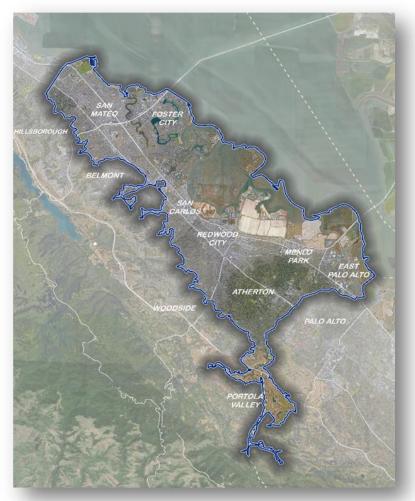
San Mateo Plain CASGEM Monitoring Entity Discussion San Mateo County Environmental Health Charles Ice | January 12, 2018



COUNTY OF SAN MATEO HEALTH SYSTEM

Presentation Overview

- Description of CASGEM
- Monitoring entities
- Implementation
- Benefits
- Contributions by each
 participating agency
- Experiences from other basins

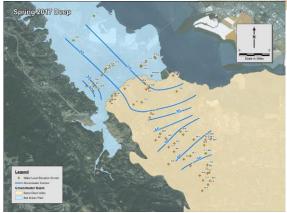




California State Groundwater Elevation Monitoring (CASGEM)

- Developed by Department of Water Resources in 2009
- Established a permanent, locally-managed program of regular monitoring to track seasonal and long term trends in groundwater elevations
- Voluntary, but ...

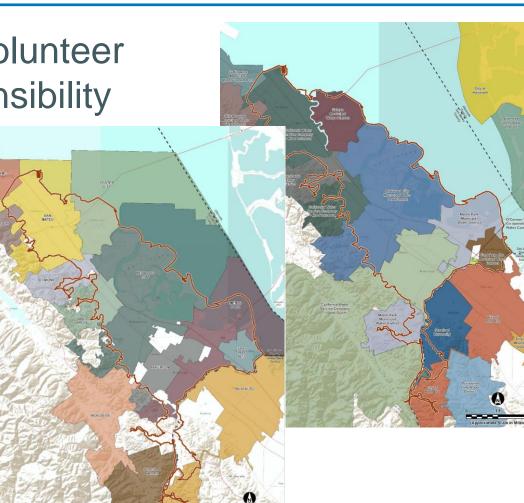






CASGEM Monitoring Entities

- Local agencies volunteer monitoring responsibility within all or part of a basin
- Cooperative association (contract, JPA, MOA)
- 43 local entities





CASGEM Implementation

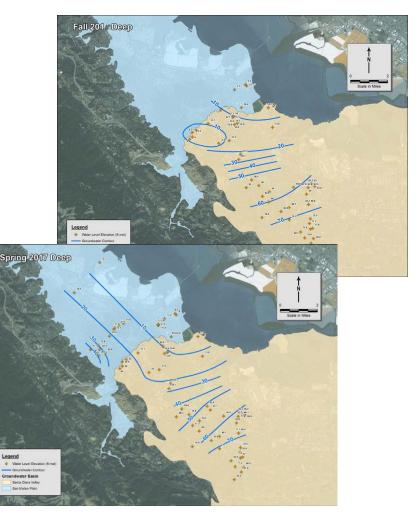
- Fill out application
 - Identify representative and accessible wells
 - Establish a water level monitoring plan
- Collect or compile groundwater elevations, at least twice a year, and submit them to DWR's database

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DATE	TIME	NM	QM	ММ	MM TAPE a	t TAPE at WS	RP to WS	LSD to WS	OBS	CON	MENTS
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CASGEM Benefits

- Makes the groundwater elevation information available publicly
- If no monitoring entity, local agencies ineligible for certain state (DWR) funding
 - Enforcement of this has been focused on higher priority basins





CASGEM Prioritization

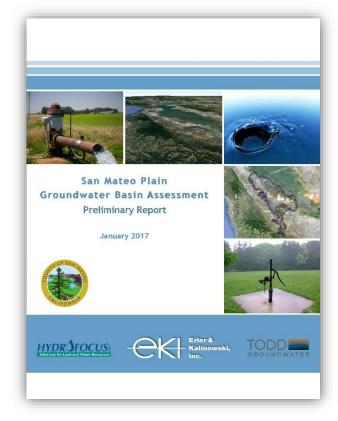
- Basins ranked on population and growth, size, # wells and types, groundwater reliance, and other factors
- San Mateo Plain Subbasin was designated as 'Very Low' priority in 2014





CASGEM Prioritization

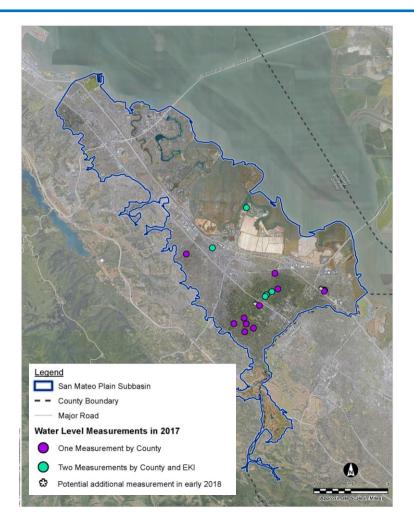
- Groundwater usage less
 than 2,000 AFY
 - Default score of 0 overall
- Would have been 'Medium' priority otherwise
- DWR is updating the CASGEM basin prioritizations in 2018
- Basin may be re-designated





Participating Agencies Contributions

- Access to wells
- Staff time collecting and compiling data
- Coordinating with partners and DWR
- Uploading data
 through portal





CASGEM in Neighboring Basins

- Santa Clara Valley Water District
- Alameda County
 Water District
- East Bay Municipal Utility District
- Westside Basin
 Partners (purple)





Discussion

- Access to wells
- Dedicate staff time
- Timing of commitment
- Agreement mechanism
- Roles and responsibilities

