



A Tradition of Stewardship  
A Commitment to Service

**GRAC**  
**06-28-12**  
**Item No. 6.b**

**Department of Public Works**

1195 Third Street, Suite 201  
Napa, CA 94559-3092  
[www.countyofnapa.org/publicworks](http://www.countyofnapa.org/publicworks)

Main: (707) 253-4351  
Fax: (707) 253-4627

**Steven E. Lederer**  
Interim Director

June 18, 2012

«First» «Last»  
«Mailing\_Address»  
«Company»  
«Cityetc2»

RE: Update on the 2012 CASGEM and Napa County Programs

Dear «Salutation» «Last»:

As a valued participant in the California Statewide Groundwater Elevation Monitoring (CASGEM) program, the Napa County Public Works Department (Public Works) would like to update you on recent changes to the program.

Public Works has been informed that the State's 2012 CASGEM program will provide to the public the ability to view accurate well locations online; the property name and address will remain confidential. In other words, the public would be able to view the location of your well on an online map, as well as its latitude and longitude. This information will be made available on the State's CASGEM website at:

[http://www.water.ca.gov/groundwater/casgem/online\\_system.cfm](http://www.water.ca.gov/groundwater/casgem/online_system.cfm).

Per State Water Code Section 13752 (copy enclosed), well completion reports, which contain information about well location and well construction details, are not to be made available for public inspection without the owner's permission. Public Works is seeking your approval to allow your well construction information to be made public by CASGEM.

We would also like to include your well in the Napa County Groundwater Monitoring effort. The County would like to include the information gathered by CASGEM in its ongoing basin evaluations. The County may also collect water quality samples from your well. All information collected in the County's effort will be subject to its Groundwater Data Confidentiality Policy.

Your continued participation in the CASGEM and County programs is voluntary. We hope you continue to make your well available. If you would like to continue your participation, please sign the enclosed Agreement and return it in the enclosed stamped envelope no later than July 13, 2012.

If you have any questions regarding these changes and the Agreement, please do not hesitate to call Daisy Lee or Deborah Elliott at (707) 259-8600.

Sincerely,

Phillip M. Miller  
Deputy District Engineer

PMM/bf

Enclosures (3)

**AGREEMENT TO PARTICIPATE IN THE COUNTY OF NAPA AND CALIFORNIA  
STATEWIDE GROUNDWATER ELEVATION MONITORING PROGRAMS AND FOR  
RIGHT OF ENTRY TO ACCESS GROUNDWATER WELLS**

Site Address: «Situs\_Address»  
State Well Number: «SWN»  
Napa County Well Number: «County\_Well»

1. «First» «Last», «Company», Owner(s) of property located at the address shown above in the County of Napa (“County”), and Owner(s) of well designated above agree(s) to participate in the California Statewide Groundwater Elevation Monitoring Program (CASGEM) in which groundwater level measurements are collected several times a year; and well construction information, as well as the location of the well, will be provided to the California Department of Water Resources (DWR) and such information will be made available for public viewing. The Owner(s) also agree to participate in the County of Napa Groundwater Monitoring Program which may include groundwater quality and level monitoring.
2. Permission is hereby granted to the County and its authorized agents, assignees, employees and designees to enter the property for the purpose of groundwater monitoring.
3. The term of this Agreement shall begin on the date last signed below and shall continue until terminated in writing by either Party.
4. County shall indemnify, defend and hold harmless Owner(s) from and against all claims, causes of action, damages, liabilities, injuries, actions, costs, and expenses (including reasonable attorneys’ fees and costs), arising from or related to County’s use of the property, exercise of County’s rights under this Agreement, excepting only such loss, damages, or liability arising from intentional acts or sole negligence of the Owner(s).

**Owner(s):**

\_\_\_\_\_  
\_\_\_\_\_

**Date** \_\_\_\_\_

**Accepted for County:**

**By:** \_\_\_\_\_

**Title:** \_\_\_\_\_

**Date** \_\_\_\_\_

**Reference: State Water Code**

13751. (a) Every person who digs, bores, or drills a water well, cathodic protection well, groundwater monitoring well, or geothermal heat exchange well, abandons or destroys such a well, or deepens or re-perforates such a well, shall file with the department a report of completion of that well within 60 days from the date its construction, alteration, abandonment, or destruction is completed.

(b) The report shall be made on forms furnished by the department and shall contain information as follows:

(1) In the case of a water well, cathodic protection well, or groundwater monitoring well, the report shall contain information as required by the department, including, but not limited to all of the following information:

(A) A description of the well site sufficiently exact to permit location and identification of the well.

(B) A detailed log of the well.

(C) A description of type of construction.

(D) The details of perforation.

(E) The methods used for sealing off surface or contaminated waters.

(F) The methods used for preventing contaminated waters of one aquifer from mixing with the waters of another aquifer.

(G) The signature of the well driller.

(2) In the case of a geothermal heat exchange well, the report shall contain all of the following information:

(A) A description of the site that is sufficiently exact to permit the location and identification of the site and the number of geothermal heat exchange wells drilled on the same lot.

(B) A description of borehole diameter and depth and the type of geothermal heat exchange system installed.

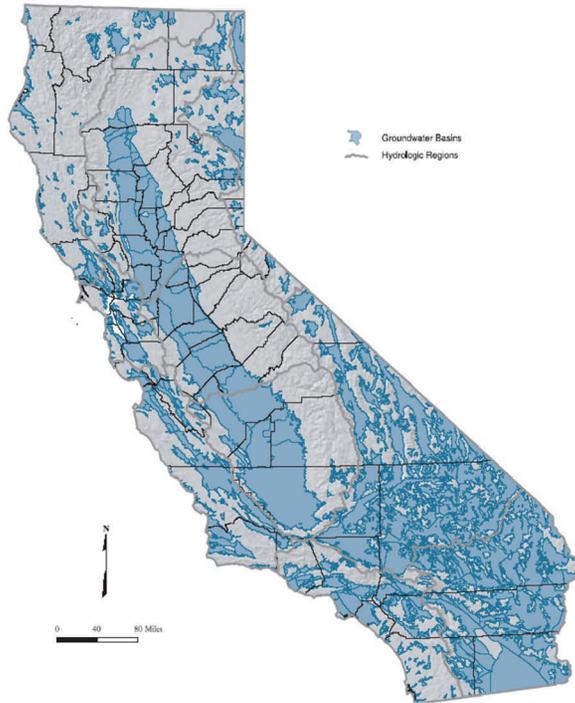
(C) The methods and materials used to seal off surface or contaminated waters.

(D) The methods used for preventing contaminated water in one aquifer from mixing with the water in another aquifer.

(E) The signature of the well driller.

13752. Reports made in accordance with paragraph (1) of subdivision (b) of Section 13751 shall not be made available for inspection by the public, but shall be made available to governmental agencies for use in making studies, or to any person who obtains a written authorization from the owner of the well. However, a report associated with a well located within two miles of an area affected or potentially affected by a known unauthorized release of a contaminant shall be made available to any person performing an environmental cleanup study associated with the unauthorized release, if the study is conducted under the order of a regulatory agency. A report released to a person conducting an environmental cleanup study shall not be used for any purpose other than for the purpose of conducting the study.

## California's Groundwater Basins



## How Will the Groundwater Elevation Data Be Used?

The data will be compiled in a statewide database that is available to the public. Local, state, federal, and all interested parties can use the data to evaluate and monitor groundwater conditions in California's groundwater basins and subbasins. The goal of CASGEM is to determine seasonal and long-term trends in groundwater levels within the basins.

## Contact Us About CASGEM

### Headquarters Office

Mary Scruggs  
901 P Street, Sacramento, CA 95814  
(916) 654-1324, mscruggs@water.ca.gov

### Northern Region Office

Kelly Staton  
2440 Main Street  
Red Bluff, CA 96080  
(530) 529-7344  
staton@water.ca.gov

### North Central Region Office

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### Southern Region Office

Tim Ross  
770 Fairmont Avenue,  
Suite 102  
Glendale, CA 91203  
(818) 500-1645 x278  
tross@water.ca.gov

## Timeline

Preparing to Implement CASGEM:

**Summer 2010.** Public Workshops

**Fall 2010.**

- Develop, solicit public comments, and finalize program guidelines
- Develop online monitoring entity notification and data submittal system
- Local agencies work together to identify prospective monitoring entity for their basin/subbasin

**Late Fall 2010.**

- Online system ready for submission of monitoring entity notifications
- Prospective monitoring entities submit notifications to DWR

**January 1, 2011.** Notifications due to DWR

**Spring and Summer 2011.** Designated monitoring entities submit monitoring network plan to DWR

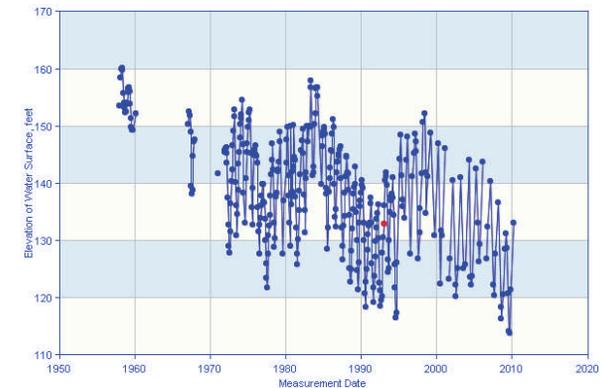
**January 1, 2012.**

- Monitoring entities begin submitting groundwater level data
- DWR submits first CASGEM status report to Governor and Legislature

# California Statewide Groundwater Elevation Monitoring Program

## CASGEM Program

# What Is CASGEM?



*On or before January 1, 2012, local groundwater Monitoring Entities will regularly and systematically monitor groundwater elevations in California's alluvial basins and subbasins in order to determine seasonal and long-term trends, and this information will be made readily and widely available to the public*



Department of Water Resources (DWR)  
California Natural Resources Agency  
State of California

## What Is CASGEM?

### What Is the CASGEM Program?

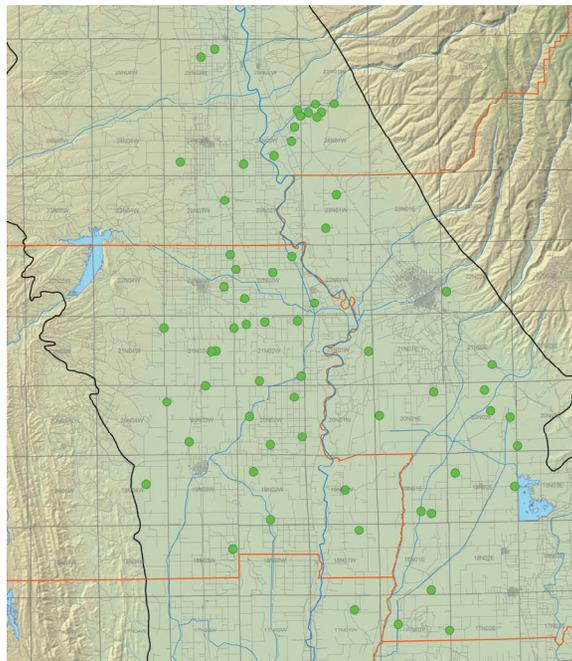
CASGEM (pronounced *KASJem*) is short for California Statewide Groundwater Elevation Monitoring.

The program was created by SBx7 6, Groundwater Monitoring, a part of the 2009 Comprehensive Water Package. By passing the bill, the Legislature established for the first time a statewide program to collect groundwater elevations, facilitate collaboration between local monitoring entities and the Department of Water Resources, and to report this information to the public.

### Why Is Groundwater Important?

In California, groundwater accounts for about 30 percent of the total water supply. During dry years, it is at least 40 percent of the supply. With a projected population of 46 million by the year 2020, California's reliance upon groundwater will increase significantly.

In order to protect and sustain the state's precious groundwater supply, proper management of this limited resource is imperative. Monitoring groundwater elevations in the state's 515 alluvial groundwater basins and subbasins is a fundamental component of successful groundwater management.



Observation well locations, Northern Sacramento Valley

### Are Groundwater Elevations Now Monitored in California?

The Department of Water Resources' four region offices monitor groundwater elevations and report the data on DWR's Water Data Library ([www.water.ca.gov/waterdatalibrary](http://www.water.ca.gov/waterdatalibrary)); however, those data are limited in some areas. Other agencies also collect groundwater elevation data, but are not required to make that data available to DWR for public use.

Implementation of the CASGEM Program will establish a statewide monitoring network for all of California's groundwater basins, and will allow that data to be used to plan for future water supply demands.

### How Does CASGEM Work?

A local agency that has jurisdiction over groundwater management in an area, as defined in the law, notifies the Department of Water Resources by January 1, 2011, that it wishes to be the designated Monitoring Entity for all or part of a groundwater basin. The Monitoring Entity defines and submits a groundwater monitoring plan to DWR that can be used to determine seasonal and long-term groundwater elevation trends in the monitoring area.

The Monitoring Entity can measure groundwater elevations or compile data from other agencies to fulfill the monitoring plan. The Monitoring Entity is also responsible for submitting that data to DWR.

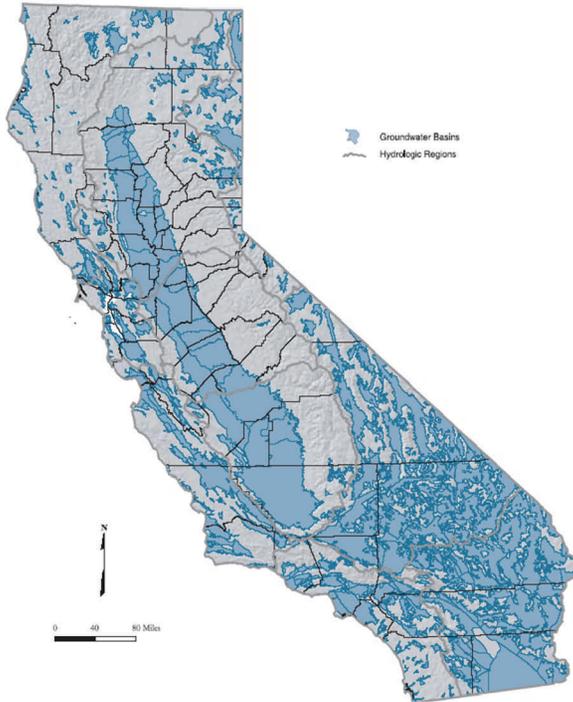
DWR will continue its current monitoring program, provided funding is available.

### Is My Participation Required?

No. However, if no prospective Monitoring Entity comes forward, then DWR will assume the monitoring in the basin. Nonparticipating agencies risk losing eligibility for state water grants.

*CASGEM Program guidelines will be available in fall 2010. The document will include full details on reporting requirements and measurement procedures.*

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## California Statewide Groundwater Elevation Monitoring Program

### CASGEM Program

# Why Is CASGEM Important?

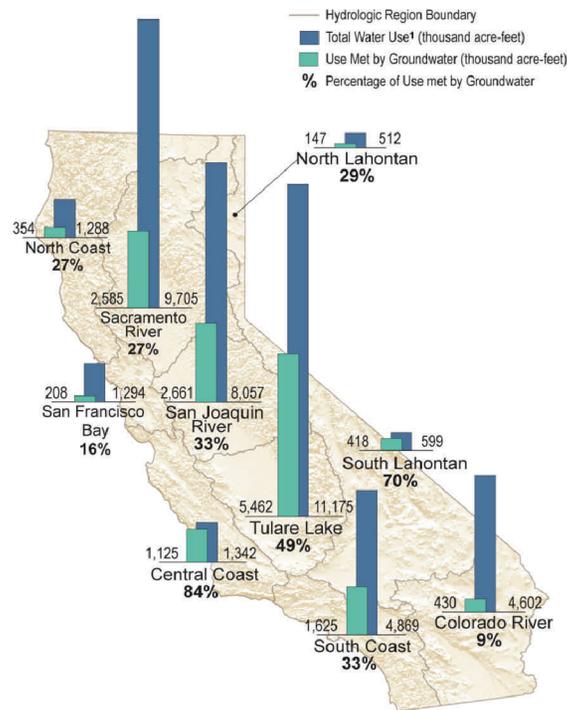


Department of Water Resources (DWR)  
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# Why Is CASGEM Important for Management of California's Groundwater?

## Why Is Groundwater Important To California's Water Supply?

Groundwater accounts for about 30 percent of California's total water supply. In dry years, this increases to over 40 percent. Some coastal basins, cities, and rural areas are entirely dependent upon groundwater for their water supply. With a projected population of 46 million by the year 2020, California will need to rely on groundwater even more.



Blue bars are total water used

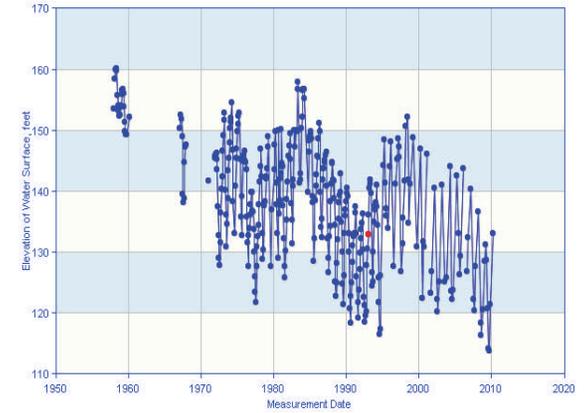
Green bars are the percentage of total water used that was groundwater

## How Will CASGEM Program Help With Groundwater Management?

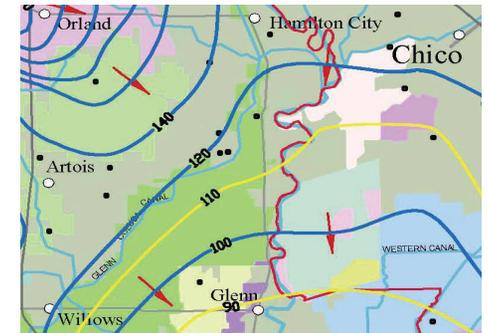
CASGEM (pronounced KASj-em) provides a mechanism for local entities to be active in groundwater monitoring in their basins. It expands the current groundwater elevation monitoring to all 515 of California's groundwater basins. This monitoring allows interested parties to evaluate groundwater conditions and identify areas where there are problems, such as overdraft, occurring within a groundwater basin.

Even if there are no problems currently occurring within a basin, the baseline data that will be collected as part of this program can help to detect future problems before there is damage, such as subsidence, in a groundwater basin.

The data will be compiled in a statewide database that is available to the public. The goal is to determine seasonal and long-term trends in groundwater elevations within the basins. DWR will produce a summary report to the Governor and the Legislature in 2012 and 2015, and every 5 years thereafter.



*Hydrographs depict groundwater elevations in a well or wells over the measurement period.*



*Groundwater elevation contour maps depict groundwater elevations and flow directions.*

## What Will CASGEM Data Tell Us About Groundwater Conditions?

Groundwater elevation measurements can be used in many ways to evaluate groundwater conditions within a basin. Two of the most common ways are to use the data to create hydrographs and groundwater elevation contour maps.