



Overview of CASGEM Groundwater Data

Background

Groundwater is a valuable source of water supply in California, and monitoring groundwater conditions is a vital element of groundwater management. For many years, DWR and other cooperators have been collecting groundwater level measurements which have been shared and stored in the statewide groundwater level database. This data has typically been available, and still is today, via the Water Data Library. In 2009, the State Legislature enacted legislation that mandates a statewide groundwater elevation monitoring program to track seasonal and long-term trends in groundwater levels. In response to this legislation, the Department of Water Resources (DWR) developed the California Statewide Groundwater Elevation Monitoring (CASGEM) program. The intent of CASGEM is to facilitate locally-managed programs of regular and systematic monitoring in all of California's alluvial groundwater basins. Since the implementation of CASGEM there has been participation by many new cooperators, and the amount and availability of data has increased.

Upon development of the CASGEM Online System, the public can readily access information about monitoring entities, monitored groundwater basins and wells, and groundwater elevation data. Via the DWR Groundwater Information Center website, the public also has access to groundwater level data via the Water Data Library, maps and reports, and via a new interactive map.

Dane Mathis, Senior Engineering Geologist with DWR, will brief the Commission on available groundwater level data, and provide a demonstration of existing web-based tools available to the public.

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