

CALIFORNIA PRINCIPAL AQUIFERS

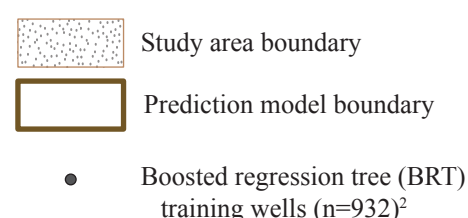
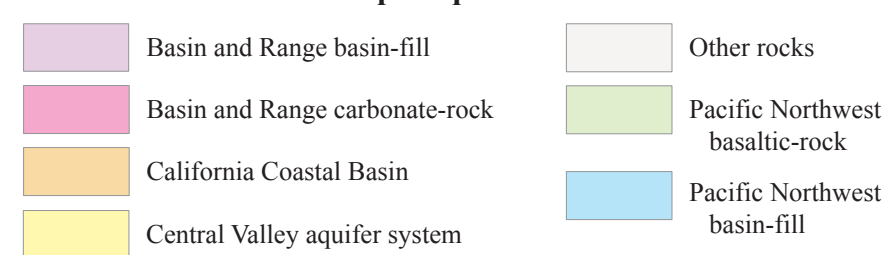
Base modified from U.S. Geological Survey Principal Aquifers of the 48 Conterminous United States, Hawaii, Puerto Rico, and the U.S. Virgin Islands ([https://water.usgs.gov/GIS/metadata/usgswrd/XML/aquifers\\_us.xml](https://water.usgs.gov/GIS/metadata/usgswrd/XML/aquifers_us.xml)), Groundwater Availability of the Central Valley Aquifer, California (<https://pubs.usgs.gov/pp/1766/>), and other Federal digital data, various scales; Albers Equal-Area Conic projection, standard parallels are 29°30' N. and 45°30' N.; North American Datum of 1983

SCALE 1:4,100,000  
50 0 50 MILES  
50 0 50 KILOMETERS

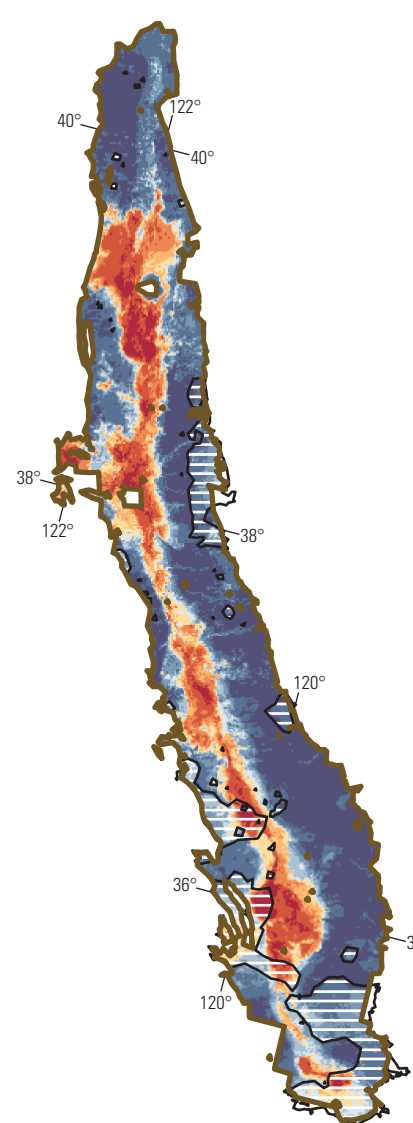


EXPLANATION

Principal aquifer units

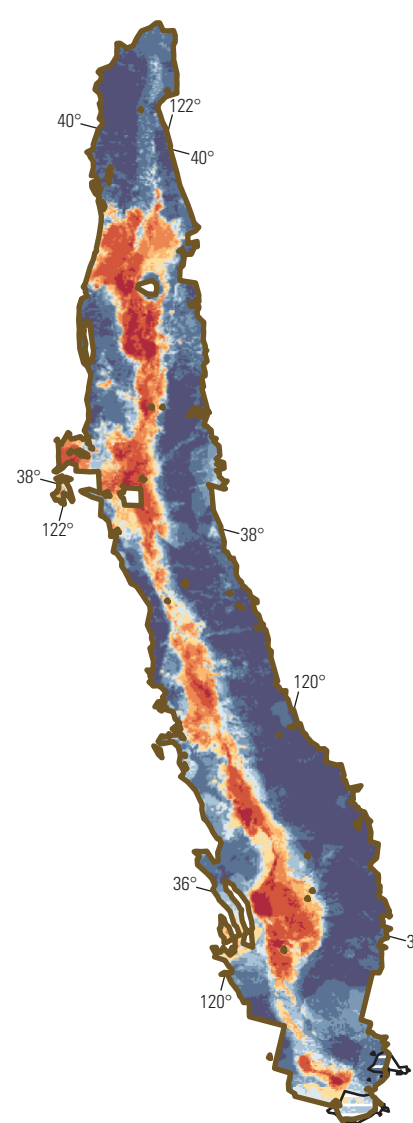


DOMESTIC-SUPPLY DEPTH ZONE<sup>1</sup>  
(100 feet below land surface)

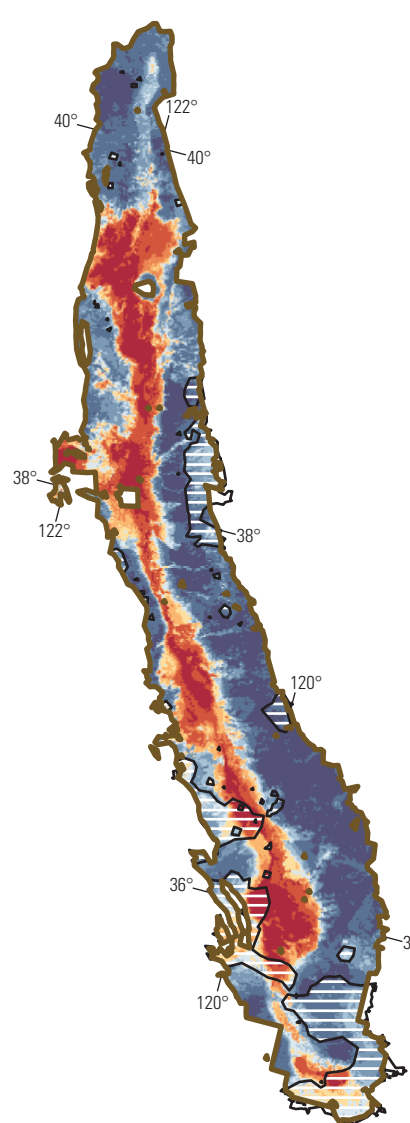


Dissolved oxygen event:  
<0.5 milligram per liter

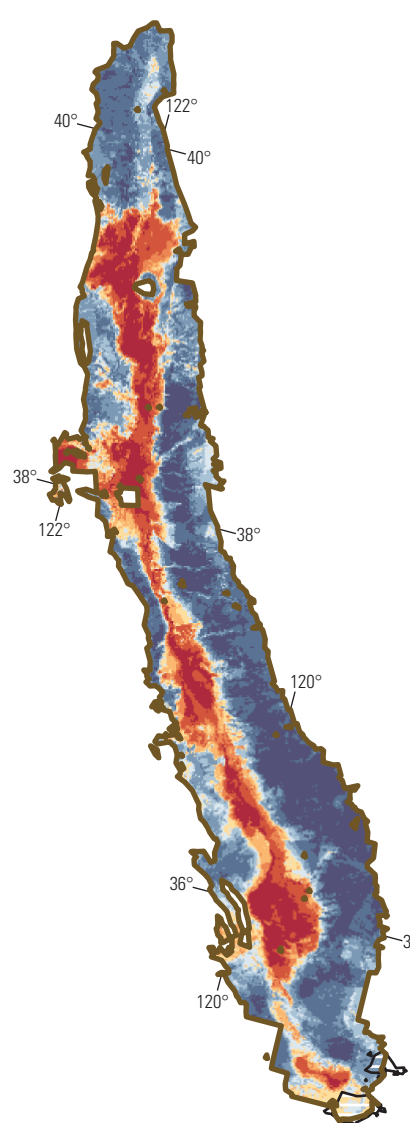
PUBLIC-SUPPLY DEPTH ZONE<sup>1</sup>  
(325 feet below land surface)



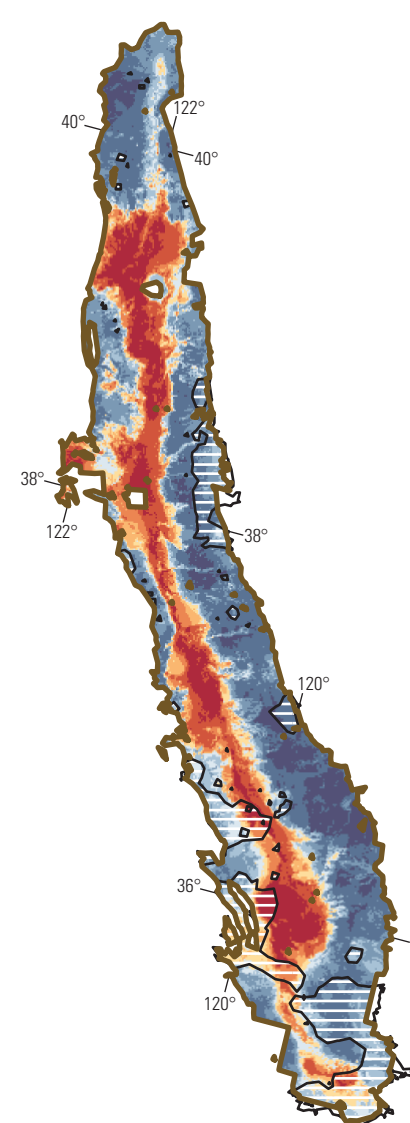
Dissolved oxygen event:  
<0.5 milligram per liter



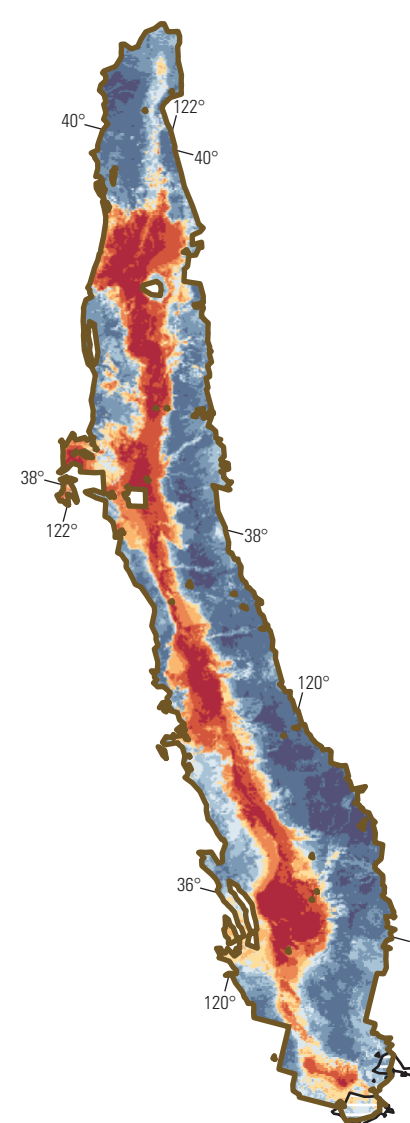
Dissolved oxygen event:  
<1.0 milligram per liter



Dissolved oxygen event:  
<1.0 milligram per liter



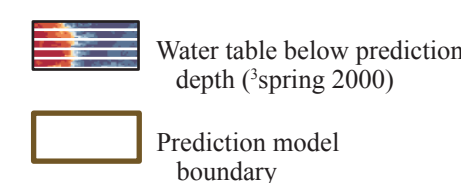
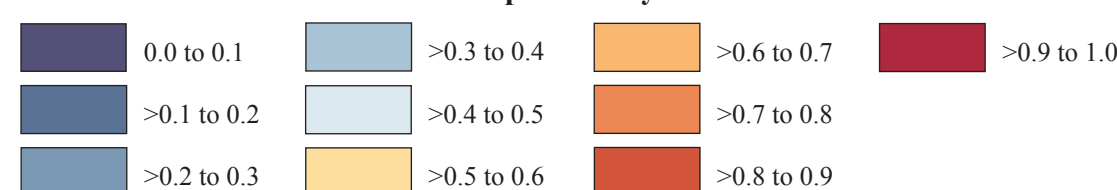
Dissolved oxygen event:  
<2.0 milligrams per liter



Dissolved oxygen event:  
<2.0 milligrams per liter

EXPLANATION

Predicted probability of event



<sup>1</sup>Domestic and public supply depth zones represent median well depths of the training dataset applied to the boosted regression tree (BRT) model that were stratified into shallow and deep drinking water supply depths, respectively, based on previous work. See data release link for summary of details and citation.

<sup>2</sup>BRT models were trained on wells with depth data and required water-quality data for the 1993–2014 model period.

<sup>3</sup>Data from Faunt, C.C., ed., 2009, Groundwater availability in the Central Valley aquifer, California: U.S. Geological Survey Professional Paper 1766, 225 p.

# Spatial Distribution of Predicted Probabilities for Selected Dissolved Oxygen Threshold Events Maps Showing Predicted Probabilities for Selected Dissolved Oxygen and Dissolved Manganese Threshold Events in Depth Zones Used by the Domestic and Public Drinking Water Supply Wells, Central Valley, California

By

Celia Z. Rosecrans, Bernard T. Nolan, and Jo Ann M. Gronberg

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