

## Public Supply Wells

Municipal Wells Dataset (2025). California State Water Resources Control Board, Groundwater Ambient Monitoring and Assessment (GAMA), Groundwater Information System<sup>1</sup>

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File name: psw\_final\_02112025.shp

### Spatial Reference

Geographic Coordinate System	NAD 1983	Projected Coordinate System	NAD 1983 (Teale) Albers (Meters)
WKID	4269	Projection	3310
Authority	EPSG	Authority	EPSG
Angular Unit	Degree (0.0174532925199433)	Linear Unit	Meters (1.0)
Prime Meridian	Greenwich (0.0)	False Easting	0.00
Datum	D North American 1983	False Northing	-4000000.0
Spheroid	GRS 1980	Central Meridian	-120.0
Semimajor Axis	6378137.0	Standard Parallel 1	34.0
Semiminor Axis	6356752.314140356	Standard Parallel 2	40.5
Inverse Flattening	298.257222101	Latitude of Origin	0.0

### Description

This shapefile contains points corresponding to 20,626 public supply wells in California.

### Methods

We downloaded point locations from [GAMA](#)<sup>1</sup> for all municipal wells on January 27, 2025 (n=35,402). We sub-selected wells monitored by the Department of Drinking Water (DDW) (n=24,860). Next, we assigned additional water system characteristics based on water system ID using information from [SDWIS](#)<sup>2</sup> downloaded on February 5, 2025. (Note, many water systems are served by multiple public supply wells). We excluded 4,234 public supply wells that do not serve active systems and retained the final dataset of 20,626 public supply wells.

### Attribute Table

Field Heading	Field Description
FID	ESRI generated field
Shape	Point – ESRI generated field
DATASET	DDW (Department of Drinking Water)
WELL_ID	Public water system ID (characters 1-9) followed by well code (characters 10-17) in the form of CAXXXXXXX_XXX_XXX
LATITUDE	Latitude in decimal degrees
LONGITUDE	Longitude in decimal degrees

PWSID	Public water system ID in the form of CAXXXXXXX
PWS_Name	Public water system name
PWS_Type	Public water system type (community water system, non-transient non-community system, or transient non-community system)
Population	Population served according to SDWIS. Note: this field refers to the entire system, not the specific public supply well.
Cities_Ser	Name of cities served by the water system
Counties	Name of County served by the water system
Primary_So	Indicates primary water source of water system: surface water, groundwater, groundwater under influence of surface water, surface water purchased
SC	Number of service connections served by water system

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### References

1. Municipal Wells Dataset (2025). California State Water Resources Control Board, Groundwater Ambient Monitoring and Assessment (GAMA), Groundwater Information System, available from <https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/> accessed online January 27, 2025.
2. All Water System Characteristics (2025). US Environmental Protection Agency, Safe Drinking Water Information System (SDWIS), available from [https://sdwis.epa.gov/ords/sfdw\\_pub/r/sfdw/sdwis\\_fed\\_reports\\_public](https://sdwis.epa.gov/ords/sfdw_pub/r/sfdw/sdwis_fed_reports_public) accessed online February 5, 2025.