

Avawatz Valley Groundwater Basin

- Groundwater Basin Number: 6-26
- County: San Bernardino
- Surface Area: 27,700 acres (43.3 square miles)

Basin Boundaries and Hydrology

This groundwater basin underlies Avawatz and Drinkwater Valleys in northern San Bernardino County. The basin is bounded on the north, west, and south by the Granite Mountains, on the east by the Avawatz Mountains and on the southeast by an unnamed fault (Jennings and others 1962). Annual precipitation averages 4 to 8 inches.

Hydrogeologic Information

Water Bearing Formations

Groundwater is likely found in alluvium of Quaternary age (DWR 1975). Such alluvium likely consists of unconsolidated, fine- to coarse-grained sand, pebbles, and boulders with variable amounts of silt and clay.

Restrictive Structures

The northwest-trending Granite Mountains fault zone crosses the central portion of the basin and an unnamed east-trending fault borders the southern portion of the basin; however, it is uncertain whether or not these faults are barriers to groundwater movement.

Recharge Areas

Recharge to the basin is most likely from percolation of precipitation and runoff from the surrounding mountains.

Groundwater Level Trends

Unknown.

Groundwater Storage

Groundwater Storage Capacity. The total storage capacity is estimated at 580,000 af (DWR 1975).

Groundwater in Storage. Unknown.

Groundwater Budget (Type C)

No information is available.

Groundwater Quality

Characterization. Unknown.

Impairments. Unknown.

Well Production Characteristics

Well yields (gal/min)

Municipal/Irrigation

Total depths (ft)

Domestic

Municipal/Irrigation

Active Monitoring Data

Agency	Parameter	Number of wells /measurement frequency
	Groundwater levels	
	Miscellaneous water quality	
Department of Health Services and cooperators	Title 22 water quality	

Basin Management

Groundwater management:

Water agencies

Public

Private

References Cited

California Department of Water Resources (DWR). 1975. *California's Ground Water*. Bulletin 118. 135 p.

Jennings, C. W. , J. L. Burnett, B. W. Troxel. 1962. *Geologic Map of California: Trona Sheet*. Olaf P. Jenkins Edition. California Department of Conservation, Division of Mines and Geology. Scale 1: 250,000.

Additional References

Jahns, R. H., and Wright, L. A. 1960-1962. *L. A. Geologic Map of the Avawatz Mountains, San Bernardino County, California*, scale 1:62,500. Pennsylvania State University.

Thompson, D. G. 1929. *The Mojave Desert Region, California. A Geographic, Geologic, and Hydrographic Reconnaissance*. U. S. Geological Survey Water Supply Paper 578.

Errata

Substantive changes made to the basin description will be noted here.