

Egg Lake Valley Groundwater Basin

- Groundwater Basin Number: 5-41
- County: Modoc
- Surface Area: 4,100 acres (6 square miles)

Basin Boundary and Hydrology

The Egg Lake Valley Groundwater Basin is bounded to the south by Tertiary volcanics of Egg Lake Butte, to the east by Recent basalt, and on all other sides by Miocene basalt. The basin consists of Quaternary lake deposits (Gay 1968). Annual precipitation ranges from 19- to 21-inches.

Hydrogeologic Information

Hydrogeologic information was not available for the following:

Water-Bearing Formations

Groundwater Level Trends

Groundwater Storage

Groundwater Budget

Groundwater Quality

Water Quality in Public Supply Wells

Constituent Group ¹	Number of wells sampled ²	Number of wells with a concentration above an MCL ³
Inorganics – Primary	6	0
Radiological	0	0
Nitrates	7	0
Pesticides	2	0
VOCs and SVOCs	2	0
Inorganics – Secondary	6	0

¹ A description of each member in the constituent groups and a generalized discussion of the relevance of these groups are included in *California's Groundwater – Bulletin 118* by DWR (2003).

² Represents distinct number of wells sampled as required under DHS Title 22 program from 1994 through 2000.

³ Each well reported with a concentration above an MCL was confirmed with a second detection above an MCL. This information is intended as an indicator of the types of activities that cause contamination in a given basin. It represents the water quality at the sample location. It does not indicate the water quality delivered to the consumer. More detailed drinking water quality information can be obtained from the local water purveyor and its annual Consumer Confidence Report.

Well Characteristics

Well yields (gal/min)	
Municipal/Irrigation	20 (1 Well Completion Report)
Total depths (ft)	
Domestic	300 (1 Well Completion Report)
Municipal/Irrigation	440 (1 Well Completion Report)

Active Monitoring Data

Agency	Parameter	Number of wells /measurement frequency
	Groundwater levels	NKD
	Miscellaneous water quality	NKD

NKD – No Known Data

Basin Management

Groundwater management:	The County of Modoc adopted a Groundwater Management Ordinance in 2000.
Water agencies	
Public	None
Private	None

Selected Reference

Gay TE, Jr., Aune QA. 1968. Geologic Map of California, [Alturas Sheet]. California Division of Mines and Geology. Atlas.

Bibliography

- Bailey EH. 1966. Geology of Northern California. California Division of Mines and Geology. Bulletin 190.
- California Department of Water Resources. 1975. California's Ground Water. California Department of Water Resources. Bulletin 118.
- California Department of Water Resources. 1980. Ground Water Basins in California. California Department of Water Resources. Bulletin 118-80.
- Dickinson WR, Ingersoll RV, Grahm SA. 1979. Paleogene Sediment Dispersal and Paleotectonics in Northern California. Geological Society of America Bulletin 90:1458-1528.
- Planert M, Williams JS. 1995. Ground Water Atlas of the United States, Segment 1, California, Nevada. USGS. HA-730-B.

Errata

Changes made to the basin description will be noted here.