

Long Valley Groundwater Basin

- Groundwater Basin Number: 5-44
- County: Lassen, Modoc
- Surface Area: 1,090 acres (2 square miles)

Basin Boundaries and Hydrology

The Long Valley Groundwater Basin is located in eastern Modoc and Lassen counties. The basin is an alluvial filled valley bounded on the west side by a north/south trending fault. The basin is bounded on the northern half of the west side of the valley by Tertiary pyroclastic rocks and on all other sides by Miocene basalt (Gay 1968). Annual precipitation ranges from 25- to 27-inches.

Hydrogeologic Information

Hydrogeologic information was not available for the following:

Water-Bearing Formations

Groundwater Level Trends

Groundwater Storage

Groundwater Budget

Groundwater Quality

Well Characteristics

Well yields (gal/min)	
Municipal/Irrigation	NKD
Total depths (ft)	
Domestic	NKD
Municipal/Irrigation	NKD

NKD – No Known Data

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:	Modoc County adopted a groundwater management ordinance in 2000.
Water agencies	
Public	
Private	

Selected References

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- Gay TE, Jr., Aune QA. 1968. Geologic Map of California [Alturas Sheet]. California Division of Mines and Geology. Atlas.
- Thompson TH, Chappell R. 1983. Maps Showing Distribution of Dissolved Solids and Dominant Chemical Type in Ground Water, Basin and Range Province, Northern California. USGS. WRI 83-4115-B.

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- California Department of Water Resources. 1975. California's Ground Water. California Department of Water Resources Bulletin 118.
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- Dickinson WR, Ingersoll RV, Grahm SA. 1979. Paleogene Sediment Dispersal and Paleotectonics in Northern California. Geological Society of America Bulletin 90:1458-1528.
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Errata

Changes made to the basin description will be noted here.