

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

- California Department of Water Resources. 1963. Northeastern Counties Groundwater Investigation, Volume 1, Text. California Department of Water Resources. Bulletin 98. 224 p.
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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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- Dickinson WR, Ingersoll RV, Graham 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.