

Mountain Meadows Valley Groundwater Basin

- Groundwater Basin Number: 5-8
- County: Lassen
- Surface Area: 8,150 acres (13 square miles)

Basin Boundaries and Hydrology

The Mountain Meadows Valley Groundwater Basin is located to the northeast of Lake Almanor. The basin consists of Quaternary alluvium which encircles Mountain Meadow Reservoir. The basin is bounded to northeast by Jurassic to Triassic metavolcanic rocks and Tertiary non-marine sediments. The basin is bounded to the southeast by Miocene volcanic rocks and to the northwest by Pleistocene basalt. Annual precipitation in the basin ranges from 35- to 39-inches.

Hydrogeologic Information

Hydrogeologic information was not available for the following:

Water-Bearing Formations

Groundwater Level Trends

Groundwater Storage

Groundwater Quality

Groundwater Budget (Type B)

The estimate of groundwater extraction for the Mountain Meadows Valley Basin is based on a 1997 survey conducted by the California Department of Water Resources. The survey included land use and sources of water. Groundwater extraction for municipal and industrial uses is estimated to be 7 acre-feet. Deep percolation of applied water is estimated to be 350 acre-feet.

Well Characteristics

Well yields (gal/min)	
Municipal/Irrigation	NKD
Total depths (ft)	
Domestic	218 (1 Well Completion Report)
Municipal/Irrigation	

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: No known groundwater management plans, groundwater ordinances, or basin adjudications

Water agencies

Public None

Private None

Bibliography

Bailey EH. 1966. Geology of Northern California. California Division of Mines and Geology. Bulletin 190.

California Department of Water Resources. 1960. Northeastern Counties Investigation. California Department of Water Resources. Bulletin 58.

California Department of Water Resources. 1969. Lake Almanor-Mountain Meadows Reconnaissance and Water Quality Study, Lassen and Plumas Counties. California Department of Water Resources, Central District.

California Department of Water Resources. 1975. California's Ground Water. California Department of Water Resources. Bulletin 118.

California Department of Water Resources. 1976. Environmental Impact Report, Lake Almanor Project. California Department of Water Resources.

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.