

Middle Creek Groundwater Basin

- Groundwater Basin Number: 5-94
- County: Lake
- Surface Area: 700 acres (1 square mile)

Basin Boundary and Hydrology

The Middle Creek Groundwater Basin is a north-trending basin located west of Pitney Ridge and east of Middle Mountain. The basin consists of Quaternary alluvium and is likely in hydraulic continuity with the Upper Lake Groundwater Basin. Faulting may extend the length of the western boundary. The basin is bounded to the north and east by the Franciscan Formation. Much of the western portion of the basin is bounded by Lower Cretaceous marine deposits. Annual precipitation ranges from 43 to 45-inches, increasing to the north.

Hydrogeologic Information

Hydrogeologic information was not available for the following:

Water-Bearing Formations

Groundwater Level Trends

Groundwater Storage

Groundwater Budget (Type B)

The estimate of groundwater extraction is based on a 1995 survey conducted by the California Department of Water Resources. The survey included land use and sources of water. Groundwater extraction for agricultural use is estimated to be 28 acre-feet. Deep percolation of applied water is estimated to be 6 acre-feet.

Groundwater Quality

Well Characteristics

Well yields (gal/min)		
Municipal/Irrigation		75 (1 well completion report)
Total depths (ft)		
Domestic	Range: 31 – 250	Average: 108 (31 Well Completion Reports)
Municipal/Irrigation	Range: 54 – 100	Average: 70 (3 Well Completion Reports)

Active Monitoring Data

Agency	Parameter	Number of wells /measurement frequency
	Groundwater levels	NKD
Department of Health Services and Cooperators	Miscellaneous water quality	1
NKD – No known data.		

Basin Management

Groundwater management: Lake County adopted a groundwater management ordinance in 1999.

Water agencies

Public None

Private None

Selected Reference

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Errata

Changes made to the basin description will be noted here.