Gravelly Valley Groundwater Basin

- Groundwater Basin Number: 1-48
- County: Lake
- Surface Area: 3,000 acres (5 square miles)

Basin Boundary and Hydrology

The Gravelly Valley Groundwater Basin is located approximately 22 miles northeast of Ukiah and consists of Quaternary alluvium and lake deposits. The basin is bounded to the south by Lake Pillsbury and on all other sides by rocks of the Franciscan Formation (Jennings 1962). Lake Pillsbury is a reservoir formed by Scott Dam on the main stem of the Eel River. Rice Fork, Eel River, Salmon Creek, and Squaw Valley Creek drain directly into the lake (Porterfield 1964). Annual precipitation is approximately 49 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	Range: 32 - 350	Average: 149 (12 Well Completion Reports)
Municipal/Irrigation	Range: NKD	

NKD – No known data

Active Monitoring Data

Agency	Parameter	Number of wells /measurement frequency
	Groundwater levels	NKD
	Miscellaneous water quality	NKD
Department of Health Services	Miscellaneous water quality	3

Basin Management

Groundwater management:	The County of Lake adopted a groundwater management ordinance in 1999.
Water agencies	
Public	None
Private	None

Selected References

Jennings CW, Strand RG. 1969. Geologic Atlas of California [Ukiah Sheet]. California Division of Mines and Geology.

Porterfield, G., C. A. Dunnam, et al. (1964). Sedimentation of Lake Pillsbury, Lake County, California, USGS**:** 46.

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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.