Indian Valley Groundwater Basin

- Groundwater Basin Number: 5-9
- County: Plumas
- Surface Area: 29,400 acres (46 square miles)

Basin Boundaries and Hydrology

The Indian Valley Groundwater Basin is an irregular shaped basin bounded by Paleozoic to Mesozoic marine, volcanic, and metavolcanic rocks. The basin includes Genessee Valley, Indian Valley, and Bucks Valley. Indian Creek flows south and drains the basin at the southwest corner. Annual precipitation ranges from 31- to 43-inches, increasing to the southwest.

Hydrogeologic Information

Hydrogeologic information was not available for the following:

Water-Bearing Formations

Groundwater Level Trends

Groundwater Storage

DWR (1960) estimates storage capacity to be 100,000 acre-feet for a saturated depth interval of 10 to 210-feet.

Groundwater Budget (Type B)

The estimate of groundwater extraction is based on a 1997 survey conducted by the California Department of Water Resources. The survey included landuse and sources of water. Groundwater extraction for municipal and industrial uses is estimated to be 100 acre-feet. Deep percolation of applied water is estimated to be 2,600 acre-feet.

Groundwater Quality

Water Quality in Public Supply Wells

Constituent Group[1]	Number of wells sampled[2]	Number of wells with a concentration above an MCL[3]
Inorganics – Primary	14	0
Radiological	5	0
Nitrates	17	0
Pesticides	1	0
VOCs and SVOCs	1	0
Inorganics – Secondary	14	1

[1] A description of each member in the constituent groups and a generalized discussion of the relevance of these groups are included in *California's Groundwater – Bulletin 118* by DWR (2003).
[2] Represents distinct number of wells sampled as required under DHS Title 22 program from 1994 through 2000.
[3] Each well reported with a concentration above an MCL was confirmed with a second detection above an MCL. This information is intended as an indicator of the types of activities that cause contamination in a given basin. It represents the water quality at the sample location. It does not indicate the water quality delivered to the

consumer. More detailed drinking water quality information can be obtained from the local water purveyor and its annual Consumer Confidence Report.

Well Characteristics

	Well yields (gal/min)	
Municipal/Irrigation	NKD	
	Total depths (ft)	
Domestic	Range: 10 – 593	Average: 126 (397 Well Completion Reports)
Municipal/Irrigation	Range: 45 – 400	Average: 145 (29 Well Completion Reports)

NKD – No known data

Active Monitoring Data

Agency	Parameter	Number of wells /measurement frequency
	Groundwater levels	NKD
DWR	Miscellaneous water quality	4 wells bi-yearly
	Miscellaneous water quality	9

NKD – No known data

Basin Management

Groundwater management:	No known groundwater management plans, groundwater ordinances, or basin adjudications
Water agencies	
Public	None
Private	None

Selected References

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Errata

Changes made to the basin description will be noted here.