

Middle Fork Feather River Groundwater Basin

- Groundwater Basin Number: 5-87
- County: Plumas
- Surface Area: 4,340 acres (7 square miles)

Basin Boundary and Hydrology

The Middle Fork Feather River Groundwater Basin consists of Quaternary lake and alluvial deposits. The basin is located within a region of northwest trending faults. A fault forms a basin boundary to the east. The basin is bounded to the north and south by Pliocene and Miocene volcanic rocks and to the east and west by Paleozoic marine deposits (Burnett 1962). The alluvial deposits in the basin are largely located along the North Fork Feather River which drains the basin to the southwest. Annual precipitation ranges from 39 to 47-inches, increasing to the west.

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 1997 survey conducted by the California Department of Water Resources. The survey included land use and sources of water. Groundwater extraction for municipal/industrial use is estimated to be 4 acre-feet. Deep percolation of applied water is estimated to be 34 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	2	0
Radiological	0	0
Nitrates	3	0
Pesticides	0	0
VOCs and SVOCs	0	0
Inorganics – Secondary	2	0

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: 23 – 400 Average 150
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:	No known groundwater management plans, groundwater ordinances, or basin adjudications
Water agencies	
Public	None
Private	None

Selected References

Burnett, J. L. and C. W. Jennings (1962). Geologic Map of California [Chico Sheet], California Division of Mines and Geology.

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California Department of Conservation, Division of Mines and Geology. 1966. Geology of Northern California Bulletin 190.

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California Department of Water Resources. 1980. Ground Water Basins in California. California Department of Water Resources. Bulletin 118-80.

Dickinson WR, Ingersoll RV, Graham SA. 1979. Paleogene Sediment Dispersal and Paleotectonics in Northern California. Geological Society of America Bulletin 90:1458-1528.

Errata

Changes made to the basin description will be noted here.