

## Lower Klamath River Valley Groundwater Basin

- Groundwater Basin Number: 1-14
- County: Del Norte, Humbolt
- Surface Area: 7,030 acres ( square miles)

### Basin Boundaries and Hydrology

The Lower Klamath River Valley Groundwater Basin is located inland from the coast and includes the communities of Requa, Klamath, and Klamath Glen. The basin consists of Quaternary alluvial deposits, terrace deposits, and dune and beach sand deposits from the Klamath River and its tributaries. The basin is bounded on all sides by the Franciscan Formation (Strand 1963). Much of the basin is located within the Yurok Indian Reservation. Annual precipitation ranges from 67- to 79-inches, increasing to the east.

### Hydrogeologic Information

Hydrogeologic information was not available for the following:

***Water-Bearing Formations***

***Groundwater Level Trends***

***Groundwater Storage***

### ***Groundwater Budget (Type B)***

Estimates of groundwater extraction are based on a survey conducted by the California Department of Water Resources in 1996. The survey included landuse and sources of water. Estimates of groundwater extraction for agricultural and municipal/industrial uses are 410 and 160 acre-feet respectively. Deep percolation from applied water is estimated to be 210 acre-feet.

### ***Groundwater Quality***

#### **Water Quality in Public Supply Wells**

<b>Constituent Group<sup>1</sup></b>	<b>Number of wells sampled<sup>2</sup></b>	<b>Number of wells with a concentration above an MCL<sup>3</sup></b>
Inorganics – Primary	10	0
Radiological	6	0
Nitrates	17	0
Pesticides	5	0
VOCs and SVOCs	6	0
Inorganics – Secondary	10	2

<sup>1</sup> 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).

<sup>2</sup> Represents distinct number of wells sampled as required under DHS Title 22 program from 1994 through 2000.

<sup>3</sup> 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: 20 – 275	Average: 75 (47 Well Completion Reports) (1 Well Completion Report)
Municipal/Irrigation	50	

NKD – No known data.

### Active Monitoring Data

Agency	Parameter	Number of wells / measurement frequency
	Groundwater levels	NKD
	Miscellaneous water quality	NKD

### Basin Management

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

### Selected References

Strand RG. 1963. Geologic Map of California [Weed Sheet] Scale 1:250,000, California Division of Mines and Geology.

### Bibliography

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