

Honeydew Town Area Groundwater Basin

- Groundwater Basin Number: 1-29
- County: Humboldt
- Surface Area: 2,370 acres (4 square miles)

Basin Boundaries and Hydrology

The Honeydew Town Area Groundwater Basin is part of the Mattole River system. The basin occupies a small alluvial valley along the Mattole River, which generally follows fault trends in the region. The basin is bounded on all sides by undifferentiated marine Cretaceous deposits of graywacke and shale. Basin deposits consist of Quaternary non-marine terrace deposits (Strand 1962). Annual precipitation ranges from 71- to 79-inches.

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 for the Honeydew Town Area Basin is based on a 1996 survey conducted by the California Department of Water Resources. The survey included landuse and sources of water. Groundwater extraction for agricultural use is estimated to be 17 acre-feet. Groundwater extraction for municipal and industrial uses is estimated to be 3 acre-feet. Deep percolation of applied water is estimated to be 4 acre-feet.

Groundwater Quality

Hydrogeologic information was not available.

Well Production characteristics

Well yields (gal/min)	
Municipal/Irrigation	NKD
Total depths (ft)	
Domestic	100 (2 Well Completion Reports)
Municipal/Irrigation	

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	1

Basin Management

Groundwater management: No known groundwater management plans, groundwater ordinances, or basin adjudications.

Water agencies

Public None

Private None

Selected References

Strand RG. 1962. Geologic Atlas of California [Redding Sheet]: California Division of Mines and Geology.

Fraticeilli LA, Albers JP, Irwin WP, Blake MC. 1987. Geologic Map of the Redding 1 x 2 Degree Quadrangle, Shasta, Tehama, Humboldt, and Trinity Counties, California. USGS. OF-87-257.

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.

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.