

Antelope Creek Groundwater Basin

- Groundwater Basin Number: 5-91
- County: Colusa
- Surface Area: 2,040 acres (3 square miles)

Basin Boundary and Hydrology

The Antelope Creek Groundwater Basin is located east of Black Mountain in Antelope Valley. The basin consists of Quaternary alluvium and is bounded on all sides by Upper Cretaceous marine deposits. Several northeast trending faults may transect the valley (Jennings 1960). The basin is drained to the north by Antelope Creek. Annual precipitation is approximately 18 inches.

Hydrogeologic Information

Hydrologic 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 1993 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 2 acre-feet. Deep percolation of applied water is estimated to be 1 acre-foot.

Groundwater Quality

Well Characteristics

Well yields (gal/min)	
Municipal/Irrigation	NKD
Total depths (ft)	
Domestic	NKD
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:	Colusa County adopted a groundwater management ordinance in 1998.
Water agencies	
Public	None
Private	None

Selected References

Jennings CW, Strand RG. 1960. Geologic Map of California [Ukiah Sheet]. 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, Grahm SA. 1979. Paleogene Sediment Dispersal and Paleotectonics in Northern California. Geological Society of America Bulletin 90:1458-1528.

Ingersoll RV, Rich EI, Dickerson WR. 1977. Field Guide: Great Valley Sequence, Sacramento Valley.

McLaughlin RJ, Ohlin HN, Blome CD. 1983. Tectonostratigraphic Framework of the Franciscan Assemblage and Lower Part of the Great Valley Sequence in the Geysers-Clear Lake Region, California. American Geophysical Union, Eos, Transactions.

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.

Funks Creek Groundwater Basin

- Groundwater Basin Number: 5-90
- County: Glenn, Colusa
- Surface Area: 3,000 acres (5 square miles)

Basin Boundary and Hydrology

The Funks Creek Groundwater Basin is located north of Antelope Valley and overlies the boundary of Glenn and Colusa Counties. The basin is north of a series of northeast trending faults and is bounded on all sides by Upper Cretaceous Marine deposits. The basin consists of Quaternary alluvial deposits and is drained to the east by Grapevine Creek and Funks Creek (Jennings 1960). Annual precipitation is approximately 18 inches.

Hydrogeologic Information

Hydrologic 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	NKD
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:	Glenn County adopted a groundwater management ordinance in 2000. Colusa County adopted a groundwater management ordinance in 1998.
Water agencies	
Public	None
Private	None

Selected References

Jennings CW, Strand RG. 1960. Geologic Map of California [Ukiah Sheet]. 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.

Ingersoll RV, Rich EI, Dickerson WR. 1977. Field Guide: Great Valley Sequence, Sacramento Valley.

McLaughlin RJ, Ohlin HN, Blome CD. 1983. Tectonostratigraphic Framework of the Franciscan Assemblage and Lower Part of the Great Valley Sequence in the Geysers-Clear Lake Region, California. American Geophysical Union, Eos, Transactions.

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.