

Chrome Town Area Groundwater Basin

- Groundwater Basin Number: 5-61
- County: Glenn
- Surface Area: 1,410 acres (2 square miles)

Basin Boundary and Hydrology

The Chrome Town Area Groundwater Basin is a north-south trending basin located near the eastern margin of the Coast Range consisting of Quaternary stream terrace deposits. The basin is bounded to the east by the Jurassic Knoxville Formation and lower Cretaceous marine sedimentary deposits. The basin is bounded on all other sides by the Jurassic Knoxville Formation (Jennings 1969). Annual precipitation is approximately 21 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 Chrome Town Area Basin 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 and industrial uses is estimated to be 5 acre-feet. Deep percolation of applied water is estimated to be 3 acre-feet.

Groundwater Quality

Well Characteristics

Well yields (gal/min)		
Irrigation	NKD	
Total depths (ft)		
Domestic	Range: 93 – 320	Average: 187 (7 Well Completion Reports)
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.

Water agencies

Public

Private

Selected Reference

Jennings CW, Strand RG. 1969. Geologic Atlas 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.

Graham SA, Lowe DR, editors. 1993. Advances in Sedimentary Geology of the Great Valley Group, Sacramento Valley, California.

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

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.