

Elk Creek Area Groundwater Basin

- Groundwater Basin Number: 5-62
- County: Glenn
- Surface Area: 1,438 acres (2 square miles)

Basin Boundaries and Hydrology

The Elk Creek Area Groundwater Basin lies east of the northwest-trending Coast Range and the Coast Range Thrust Fault. The basin consists of Quaternary alluvium, derived chiefly from older Jurassic- and Cretaceous-aged marine mudstones and sandstones of the Lower Great Valley Sequence exposed to the west and east of the Basin (Jennings et al. 1977). The Basin is at the confluence of several intermittent tributaries to Elk Creek, and is bounded to the east by Stony Creek. A seasonal reservoir pond at the northern edge of the basin receives water from several intermittent streams. Average annual precipitation is about 23 inches.

Hydrogeologic Information

Information was not available for the following subsections:

Recharge Areas

Groundwater Storage

Groundwater Budget (Type C)

Groundwater Quality

Water-Bearing Formations

Available well completion/water well drillers reports submitted to DWR between 1995 and 1997 for private monitoring wells in the southeastern part of the basin indicate groundwater within shale- and sandstone-type rocks.

Available well completion/water well drillers reports submitted to DWR between 1955 and 2000 for domestic wells in the northern part of the basin indicate groundwater within shale and gravelly/sandy clay formations.

Groundwater Level Trends

Available well completion/water well drillers reports submitted to DWR between 1955 and 2000 show static groundwater levels at 6, 14 to 28, and 166 feet below the surface for domestic wells. Available well completion reports submitted to DWR between 1995 and 1997 show static groundwater levels at 7, and 11 to 20 feet below the surface for private monitoring wells.

Well Characteristics

Well yields (gal/min)		
Domestic	Range: 2 – 8	Average: 5.5 (based on 6 well completion reports [WCRs])
Total depths (ft)		
Domestic	Range: 60 – 180	Average: 133 (based on 9 WCRs)
Municipal/Irrigation	Unknown	

Active Monitoring Data

Agency	Parameter	Number of wells / measurement frequency
DWR	Groundwater levels	None
DWR	Miscellaneous water quality	None
Department of Health Services and cooperators	Title 22 water quality	Unknown

Basin Management

Groundwater management:	Glenn County adopted a Groundwater Management Plan in 2000, later amended to be the Preliminary Plan (Plan) for Groundwater and Coordinated Resource Management, adopted in 2006. In 2012, the County renamed the Plan as the Groundwater Coordinated Resource Management Plan. However, the County's Basin Management Objectives Sub-Areas do not include Elk Creek 5-62.
Water agencies	
Public	Elk Creek Community Services District (surface water only)
Private	None

References Cited

Jennings CW, Strand RG, and Rogers TH. 1977. Geologic map of California: California Division of Mines and Geology, scale 1:750,000.

Errata

Changes made to the basin description will be noted here.