

Arroyo De La Cruz Valley Groundwater Basin

- Groundwater Basin Number: 3-34
- County: San Luis Obispo
- Surface Area: 750 acres (1.2 square miles)

Basin Boundaries and Hydrology

The Arroyo De La Cruz Valley Groundwater Basin is bounded on the west by the Pacific Ocean and on all other sides by impermeable rocks of the Jurassic to Cretaceous age Franciscan Group. The valley is drained by Arroyo De La Cruz. Precipitation ranges from 20 to 24 inches.

Hydrogeologic Information

Water Bearing Formations

Groundwater is found in Holocene and late Pleistocene age alluvium that consists of sand, gravel, and clay and ranges to 130 feet thick (DWR 1975). Groundwater is largely unconfined, with water level elevations above sea level (DWR 1975). The specific yield for the basin is estimated at 18 percent (DWR 1958).

Recharge Areas

Recharge to the basin is largely by percolation of stream flow and, to a lesser extent, from percolation of precipitation in the valley and excess irrigation flow (DWR 1958).

Groundwater Level Trends

No information of groundwater level trends was found. Groundwater movement is generally westward.

Groundwater Storage

Groundwater Storage Capacity. The total storage capacity is estimated at 6,600 af (DWR 1975).

Groundwater in Storage. Unknown.

Groundwater Budget (Type C)

No information is available.

Groundwater Quality

Characterization. Analyses of groundwater from 4 wells in this basin taken during 1957 through 1985 show TDS content ranging from 211 to 381 mg/L.

Impairments. No information is available.

Well Production characteristics

| Well yields (gal/min) | | |
|-----------------------|------------------|----------------------------|
| Municipal/Irrigation | | |
| Total depths (ft) | | |
| Domestic | | |
| Municipal/Irrigation | Range: to 127 ft | Average: 100 ft (DWR 1958) |

Active Monitoring Data

| Agency | Parameter | Number of wells /measurement frequency |
|---|-----------------------------|--|
| Department of Health Services and cooperators | Groundwater levels | NKD |
| | Miscellaneous water quality | NKD |
| | Title 22 water quality | 0 |
| | | |

NKD: No Known Data

Basin Management

Groundwater management:

Water agencies

Public

Private

References Cited

- California Department of Water Resources (DWR). 1958. *San Luis Obispo County Investigation*. Bulletin 18. 288 p.
- _____. 1975. *Sea-Water Intrusion in California: Inventory of Coastal Ground Water Basins*. Bulletin 63-5.

Errata

Changes made to the basin description will be noted here.