

Rafael Valley Groundwater Basin

- Groundwater Basin Number: 3-46
- County: San Luis Obispo
- Surface Area: 2,990 acres (4.7 square miles)

Basin Boundaries and Hydrology

Rafael Valley Groundwater Basin underlies Rafael Valley in southeastern San Luis Obispo County. This basin is bounded by Cretaceous and Miocene age marine rocks (Jennings 1958). The valley is drained by Rafael and San Juan Creeks. The basin is generally parallel to, and is crossed by the Chimeneas fault (Jennings 1958). Precipitation ranges from 8 to 10 inches per year.

Hydrogeologic Information

Water Bearing Formations

Quaternary age alluvium is the principal water-bearing unit in this basin.

Restrictive Structures

The Chimeneas fault crosses the basin (Jennings 1958), but it is not known whether or not this fault is a groundwater barrier.

Recharge Areas

No information is available.

Groundwater Level Trends

No information is available.

Groundwater Storage

Groundwater Storage Capacity. No information is available.

Groundwater in Storage. No information is available.

Groundwater Budget (Type C)

No information is available.

Groundwater Quality

Characterization. No information is available.

Impairments. No information is available.

Well Production characteristics

Well yields (gal/min)		
Municipal/Irrigation	Range:	Average:
	Total depths (ft)	
Domestic	Range:	Average:
Municipal/Irrigation	Range:	Average:

Active Monitoring Data

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

Basin Management

Groundwater management:

Water agencies

Public

San Luis Obispo County -
Department of Public Works

Private

References Cited

Jennings, C.W. 1958. Geologic Map of California; San Luis Obispo Sheet. Olaf P. Jenkins edition. Scale 1:250,000.

Additional References

California Department of Water Resources (DWR). 1958. *San Luis Obispo County Investigation*. Bulletin 18. 288 p.

_____. Southern District. 1986. *San Luis Obispo County Master Water Plan Update*.

Errata

Changes made to the basin description will be noted here.