

Iron Ridge Area Groundwater Basin

- Groundwater Basin Number: 7-50
- County: San Bernardino
- Surface Area: 5,250 acres (8.2 square miles)

Basin Boundaries and Hydrology

This groundwater basin underlies a valley in San Bernardino at the northern boundary of the Colorado Desert Region County. The basin is bounded by nonwater-bearing rocks of the Iron Ridge Mountains on all sides (Rogers 1967). The West Calico fault bounds the eastern portion of the basin. Annual average precipitation ranges from about 4 to 8 inches.

Hydrogeologic Information

Water Bearing Formations

Groundwater is found in unconsolidated younger Quaternary alluvial deposits and the underlying unconsolidated to semi-consolidated older Tertiary to Quaternary alluvial deposits. Maximum depth of the valley fill is at least 400 feet (DWR 1954).

Restrictive Structures

The West Calico fault bounds the basin on the east sides (Rogers 1967); however it is unknown whether or not this fault is a barrier to groundwater movement.

Recharge Areas

Recharge to the basin is chiefly from the infiltration of runoff through alluvial deposits at the base of the surrounding mountains.

Groundwater Level Trends

No information available.

Groundwater Storage

Groundwater Storage Capacity. Unknown.

Groundwater in Storage. Unknown.

Groundwater Budget (Type C)

No budget information available.

Groundwater Quality

Characterization. Unknown.

Impairments. Unknown.

Well 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
Department of Health Services and cooperators	Groundwater levels	
	Miscellaneous water quality	
	Title 22 water quality	

Basin Management

Groundwater management:

Water agencies

Public

Private

References Cited

Rogers, T. H. 1967. *Geologic Map of California, San Bernardino Sheet*. Single Map Sheet, Scale 1:250,000.

Additional References

California Department of Water Resources (DWR). 1954. *Ground Water Occurrence and Quality Colorado River Basin Region*. Water Quality Investigations Report No. 4.

_____. 1975. *California's Ground Water*. Bulletin 118. 135 p.

Errata

Changes made to the basin description will be noted here.