

## 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

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Well yields (gal/min)		
Municipal/Irrigation	Range:	Average:

  

Total depths (ft)		
Domestic	Range:	Average:
Municipal/Irrigation	Range:	Average:

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## Active Monitoring Data

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

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## Basin Management

Groundwater management:

Water agencies

Public

Private

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## 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.