Pleasant Valley Groundwater Basin

- Groundwater Basin Number: 7-52
- County: Riverside
- Surface Area: 9,670 acres (15.1 square miles)

Basin Boundaries and Hydrology

This basin underlies Pleasant Valley in northeastern Riverside County. The basin is bounded by nonwater-bearing rocks of the Lost Horse Mountains on the west, of the Hexie Mountains on the northeast, and of the Little San Bernardino Mountains on the south (Rogers 1965). Annual average precipitation ranges from about 8 to 10 inches.

Hydrogeologic Information

Water Bearing Formations

In this basin, groundwater is found in unconsolidated younger Quaternary alluvial deposits and the underlying unconsolidated to semi-consolidated older Tertiary to Quaternary alluvial deposits.

Restrictive Structures

The Dillon Shear and Blue Cut faults traverse the central portion of the basin (Rogers 1965; Jennings 1967); however, it is unknown whether or not these faults are barriers to groundwater movement.

Recharge Areas

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

Groundwater Level Trends

Unknown.

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

Basin Management

Groundwater management:

Water agencies

Public

Private

References Cited

Jennings, C. W. 1967. *Geologic Map of California: Salton Sea Sheet.* Olaf P. Jenkins Edition. California Department of Conservation, Division of Mines and Geology. Scale 1: 250,000.

Rogers, T. H. 1965. *Geologic Map of California, Santa Ana 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.