Seven Oaks Valley Groundwater Basin

- Groundwater Basin Number: 8-8
- County: San Bernardino
- Surface Area: 4,080 acres (0.6 square miles)

**Basin Boundaries and Hydrology**

This basin underlies a mountain valley in the upper reach of the Santa Ana River. The basin is bounded on the east by Big Meadows Valley Groundwater Basin along the Slide Peak fault (Rogers 1967) and elsewhere by impermeable crystalline rocks of the San Bernardino Mountains. The valley is drained by the Santa Ana River and receives an average annual precipitation ranging from 24 to 36 inches.

**Hydrogeologic Information**

**Water Bearing Formations**

Groundwater in the basin is found in alluvium that typically consists of clay, silt, sand, and gravel that reaches at least 50 feet thick.

**Restrictive Structures**

The Slide Peak and Santa Ana faults are mapped as cutting through basin materials (Rogers 1967); however, it is not known whether or not these faults impede groundwater movement.

**Recharge Areas**

Recharge is probably derived principally from percolation of precipitation and stream flow in the Santa Ana River.

**Groundwater Level Trends**

No information is available.

**Groundwater Storage**

**Groundwater Storage Capacity.** The total storage capacity is estimated at 14,000 af (DWR 1975).

**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 Characteristics

<table>
<thead>
<tr>
<th>Well yields (gal/min)</th>
<th>Municipal/Irrigation</th>
<th>Range:</th>
<th>Average:</th>
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<tbody>
<tr>
<td>Total depths (ft)</td>
<td>Domestic</td>
<td>Range:</td>
<td>Average:</td>
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<tr>
<td></td>
<td>Municipal/Irrigation</td>
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Active Monitoring Data

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<th>Agency</th>
<th>Parameter</th>
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<td>Department of Health Services and cooperator</td>
<td>Groundwater levels</td>
<td>Groundwater levels</td>
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<tr>
<td></td>
<td>Miscellaneous water quality</td>
<td>Title 22 water quality</td>
</tr>
</tbody>
</table>

Basin Management

Groundwater management:

Water agencies

- Public
  - San Bernardino County
- Private

References Cited


Additional References


Errata

Substantive changes made to the basin description will be noted here.