Canebrake Valley Groundwater Basin

- Groundwater Basin Number: 7-46
- County: San Diego
- Surface Area: 5,420 acres (8.5 square miles)

Basin Boundaries and Hydrology
This basin underlies Canebrake Valley and Inner Pasture in eastern San Diego County. The basin is bounded by nonwater-bearing crystalline rocks of the Tierra Blanca to the north and east, of the In Ko Pah Mountains to the south, and of the Sawtooth Mountains to the west. The valley is drained eastward toward Carrizo Valley by Canebrake and North Washes in the southern and central parts of the valley and by an unnamed creek in the northern part of the valley. Annual precipitation ranges from about 10 to 16 inches.

Hydrogeologic Information

Water Bearing Formations
Holocene alluvium and Pleistocene age terrace and nonmarine sedimentary deposits are mapped as the surficial deposits in this valley (Rogers 1965). Water-bearing materials of this basin probably consist of alluvium composed of boulders, gravel, sand, silt, and clay.

Recharge Areas
Recharge to the basin is likely from percolation of runoff from the surrounding mountains through alluvial fans and stream channels.

Groundwater Level Trends
Unknown.

Groundwater Storage
Groundwater Storage Capacity. Unknown.

Groundwater in Storage. Unknown.

Groundwater Budget (Type C)
Budget information is not available.

Groundwater Quality
Characterization. Rising water sampled in 1953 was sodium-calcium bicarbonate in character and had a TDS content of 709 mg/L (DPW 1954).

Impairments. Unknown.
**Well Characteristics**

<table>
<thead>
<tr>
<th>Well yields (gal/min)</th>
<th>Range: 9-125 gal/min</th>
<th>Average: (Well Completion Reports)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Municipal/Irrigation</td>
<td></td>
<td></td>
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<tr>
<td>Total depths (ft)</td>
<td></td>
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<tr>
<td>Domestic</td>
<td>Range: 115 – 679 ft.</td>
<td>Average: (Well Completion Reports)</td>
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</table>

**Active Monitoring Data**

<table>
<thead>
<tr>
<th>Agency</th>
<th>Parameter</th>
<th>Number of wells /measurement frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Groundwater levels</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Miscellaneous water quality</td>
<td></td>
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<tr>
<td>Department of Health Services and cooperators</td>
<td>Title 22 water quality</td>
<td></td>
</tr>
</tbody>
</table>

**Basin Management**

Groundwater management:

- Water agencies
  - Public
  - Private

**References Cited**


**Errata**

Changes made to the basin description will be noted here.