Helendale Valley Groundwater Basin

- Groundwater Basin Number: 7-48
- County: San Bernardino
- Surface Area: 2,637 acres (4 square miles)

**Basin Boundaries and Hydrology**
The Helendale Valley Groundwater Basin underlies Lone Valley in San Bernardino County at the northwestern boundary of the Colorado Desert Region. The basin is bounded by non-water-bearing rocks of the eastern San Bernardino Mountains and receives about 18 to 20 inches of precipitation each year (Flint and Martin 2012).

**Hydrogeologic Information**
Information was not available for the following subsections:

- Groundwater Level Trends
- Groundwater Storage
- Groundwater Budget (Type C)
- Groundwater Quality

**Water-Bearing Formations**
Groundwater is likely found in unconsolidated younger Quaternary alluvial deposits in the Basin. There are no known wells in the basin.

**Restrictive Structures**
A fault that is sub-parallel to the Helendale Fault may cut the northern part of the Basin (Bortugno and Spitler 1986); 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.

**Well Characteristics**

<table>
<thead>
<tr>
<th></th>
<th>Well yields (gal/min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Municipal/Irrigation</td>
<td>Unknown</td>
</tr>
<tr>
<td>Total depths (ft)</td>
<td></td>
</tr>
<tr>
<td>Domestic</td>
<td>Unknown</td>
</tr>
<tr>
<td>Municipal/Irrigation</td>
<td>Unknown</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>
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</thead>
<tbody>
<tr>
<td>DWR</td>
<td>Groundwater levels</td>
<td>None</td>
</tr>
<tr>
<td>DWR</td>
<td>Miscellaneous</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>Water Quality</td>
<td></td>
</tr>
<tr>
<td>Department of Health Services and cooperator</td>
<td>Title 22 water quality</td>
<td>Unknown</td>
</tr>
</tbody>
</table>

Basin Management

- Groundwater management: No known water management agency
- Water agencies
  - Public: Unknown
  - Private: Unknown

References Cited


Errata

Changes made to the basin description will be noted here.