Ash Valley Groundwater Basin

- Groundwater Basin Number: 5-54
- County: Lassen
- Surface Area: 6,010 acres (9 square miles)

Basin Boundaries and Hydrology
The Ash Valley Groundwater Basin is located in northeastern Lassen County. The basin is an alluvial filled valley located within a region of northwest trending faults. The basin is bounded to the east and west by Miocene basalt, to the north by Pliocene basalt, and to the north by Tertiary pyroclastic rocks and Pliocene basalt (Gay 1958). The valley is drained to the northwest by Ash Creek. Annual precipitation in the valley ranges from 17- to 21-inches, increasing to the north.

Hydrogeologic Information
Hydrogeologic information was not available for the following:

- Water-Bearing Formations
- Groundwater Level Trends
- Groundwater Storage

Groundwater Budget (Type B)
The estimate of groundwater extraction for Ash Valley Basin is based on a 1997 survey conducted by the California Department of Water Resources. The survey included land use and sources of water. Groundwater extraction for municipal and industrial uses is estimated to be 3 acre-feet. Deep percolation of applied water is estimated to be 560 acre-feet.

Groundwater Quality

Well Characteristics

<table>
<thead>
<tr>
<th>Well yields (gal/min)</th>
<th>Range: 600 - 3000</th>
<th>Average: 2200 (2 Well Completion Reports)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Irrigation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total depths (ft)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Domestic</td>
<td>200 (1 Well Completion Report)</td>
<td></td>
</tr>
<tr>
<td>Irrigation</td>
<td>Range: 365 – 640</td>
<td>Average: 509 (6 Well Completion Reports)</td>
</tr>
</tbody>
</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>NKD</td>
</tr>
<tr>
<td></td>
<td>Miscellaneous water quality</td>
<td>NKD</td>
</tr>
</tbody>
</table>

NKD – No Known Data

Last update 2/27/04
Basin Management

Groundwater management:

Water agencies

Public

Private

Selected References


Bibliography


Errata

Changes made to the basin description will be noted here.