Butte Valley Groundwater Basin

- Groundwater Basin Number: 6-81
- County: Inyo
- Surface Area: 8,810 acres (13.8 square miles)

Basin Boundaries and Hydrology
This groundwater basin underlies Butte Valley in the Panamint Range of southern Inyo County. The basin is bounded by impermeable rocks of the Panamint Range, with Needle Peak on the south and Striped Butte on the east (Jennings and others 1962). Average annual precipitation ranges from 6 to 8 inches.

Hydrogeologic Information

Water Bearing Formations
Groundwater is likely found in alluvium of Quaternary age. Such alluvium likely consists of unconsolidated, fine- to coarse-grained sand, pebbles, and boulders with variable amounts of silt and clay.

Restrictive Structures
The southwest-trending Butte Valley fault zone crosses the central portion of the basin; however, it is unknown whether or not this fault is a barrier to groundwater movement.

Recharge Areas
Recharge to the basin is most likely from percolation of precipitation and runoff from the surrounding mountains.

Groundwater Level Trends
Unknown.

Groundwater Storage
Groundwater Storage Capacity. Unknown.

Groundwater in Storage. Unknown.

Groundwater Budget (Type C)
No information is available.

Groundwater Quality
Characterization. Unknown.

Impairments. Unknown.
Well Production characteristics

<table>
<thead>
<tr>
<th>Well yields (gal/min)</th>
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<tbody>
<tr>
<td>Municipal/Irrigation</td>
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<tr>
<td>Domestic</td>
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<td>Municipal/Irrigation</td>
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</tbody>
</table>

Total depths (ft)

Active Monitoring Data

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

Groundwater management:

Water agencies:

- Public
- Private

References Cited


Additional References


Errata

Changes made to the basin description will be noted here.