San Pedro Valley Groundwater Basin

- Groundwater Basin Number: 2-36
- County: San Mateo
- Surface Area: 700 acres (1 square mile)

**Basin Boundaries and Hydrology**

The San Pedro Groundwater Basin is located in northern San Mateo County along the Pacific Ocean. The basin is about 10 miles south of San Francisco, and 80 miles southeast of the Sacramento Valley. It is bounded by Whiting Ridge on the east, on the west by the Pacific Ocean, on the south by the foothills of San Pedro Mountain, and on the north by the base of Cattle Hill. San Pedro Creek, the Middle Fork and South Fork are the principal streams flowing through the basin and onto the ocean. The topography of the area consists of gentle slopes of moderate elevation, which vary from sea level to 400 feet.

Climate of the area is typical of the central coastal region with wet, mild winters and cool, dry summers. Mean annual precipitation in the basin is 24 inches in the northwest to greater than 32 inches in the southeast.

**Hydrogeologic Information**

**Water Bearing Formations**

The water bearing aquifers in this coastal area were formed in the quaternary age. The primary deposits in the San Pedro Valley basin are alluvium and artificial fill. The water bearing materials are generally medium to fine-grained and consist of sands and silts.

**Alluvium Deposits.** Alluvial deposits can be found throughout most of the basin. The deposits consist of sands, silts, and clays with some gravels. This includes stream channel and stream terrace deposits. (USGS 1961).

**Groundwater Level Trends**

No published data was found for the San Pedro Valley groundwater basin.

**Groundwater Storage**

**Groundwater Storage Capacity.** No published data was found for the San Pedro Valley groundwater basin.

**Groundwater in Storage.** No published data was found for the San Pedro Valley groundwater basin.

**Groundwater Budget (Type C)**

Due to lack of groundwater budget data, inflows, including natural, applied, and artificial recharge and outflows including urban and agricultural extraction have not been included.

**Groundwater Quality**

**Characterization.** Water quality information for the San Pedro Valley groundwater basin is minimal. Historical data from 1 well in the basin indicates a total dissolved solids average value of 140 mg/l.
Impairments. No published data was found for the San Pedro Valley groundwater basin.

Well Production characteristics

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

Total depths (ft)

<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>Mineral, nutrient, &amp; minor element.</td>
<td>NKD</td>
</tr>
<tr>
<td>Department of Health Services and cooperators</td>
<td>Coliform, nitrates, mineral, organic chemicals, and radiological.</td>
<td>NKD</td>
</tr>
</tbody>
</table>

NKD- No known data

Basin Management

Groundwater management: No known groundwater management plans, groundwater ordinances, or basin adjudications.

Water agencies

Public: North Coast County WD

Private:

References Cited


Additional References


Errata
Changes made to the basin description will be noted here.