

Race Track Valley Groundwater Basin

- Groundwater Basin Number: 6-62
- County: Inyo
- Surface Area: 14,100 acres (22.0 square miles)

Basin Boundaries and Hydrology

This groundwater basin underlies Racetrack Valley and is bounded on all sides by impermeable rocks of the Panamint Range (Jennings 1958). Surface drainage flows toward Racetrack Playa in the southern part of the valley (Jennings 1958). Average annual precipitation ranges from 4 to 8 inches.

Hydrogeologic Information

Water Bearing Formations

Groundwater can likely be found in alluvium of Quaternary age. Alluvium typically consists of unconsolidated, fine- to coarse-grained sand, pebbles, and boulders with variable amounts of silt and clay.

Restrictive Structures

Unknown.

Recharge Areas

The principal source of recharge to the basin is likely percolation of runoff from surrounding mountains, with minor contribution from percolation of precipitation to the valley floor.

Groundwater Level Trends

No wells are known to exist in this basin.

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

Well yields (gal/min)

Municipal/Irrigation

Total depths (ft)

Domestic

Municipal/Irrigation

Active Monitoring Data

| Agency | Parameter | Number of wells /measurement frequency |
|---|--------------------------------|---|
| | Groundwater levels | |
| | Miscellaneous water quality | |
| Department of Health Services and cooperators | Title 22 water quality | |

Basin Management

Groundwater management:

Water agencies

Public

Private

References Cited

Jennings, C. W. 1958. *Geologic Map of California, Death Valley Sheet*. Single Map Sheet, scale 1:250,000.

Additional References

Bedinger, M.S., Sargent, K.A., and Langer, W.H. 1989. *Studies of Geology and Hydrology in the Basin and Range Province, Southwestern United States, for Isolation of High-Level Radioactive Waste- Characterization of the Death Valley Region, Nevada and California*. U.S. Geological Survey Professional Paper 1370-F. 49 p.

California Department of Water Resources (DWR). 1964. *Ground Water Occurrence and Quality, Lahontan Region*, Bulletin 106-1.

_____. 1975. *California's Ground Water, Bulletin 118*. 135 p.

Errata

Changes made to the basin description will be noted here.