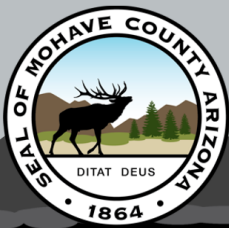


Mohave County Development Services

Sacramento Valley Groundwater Basin Current Health and Status

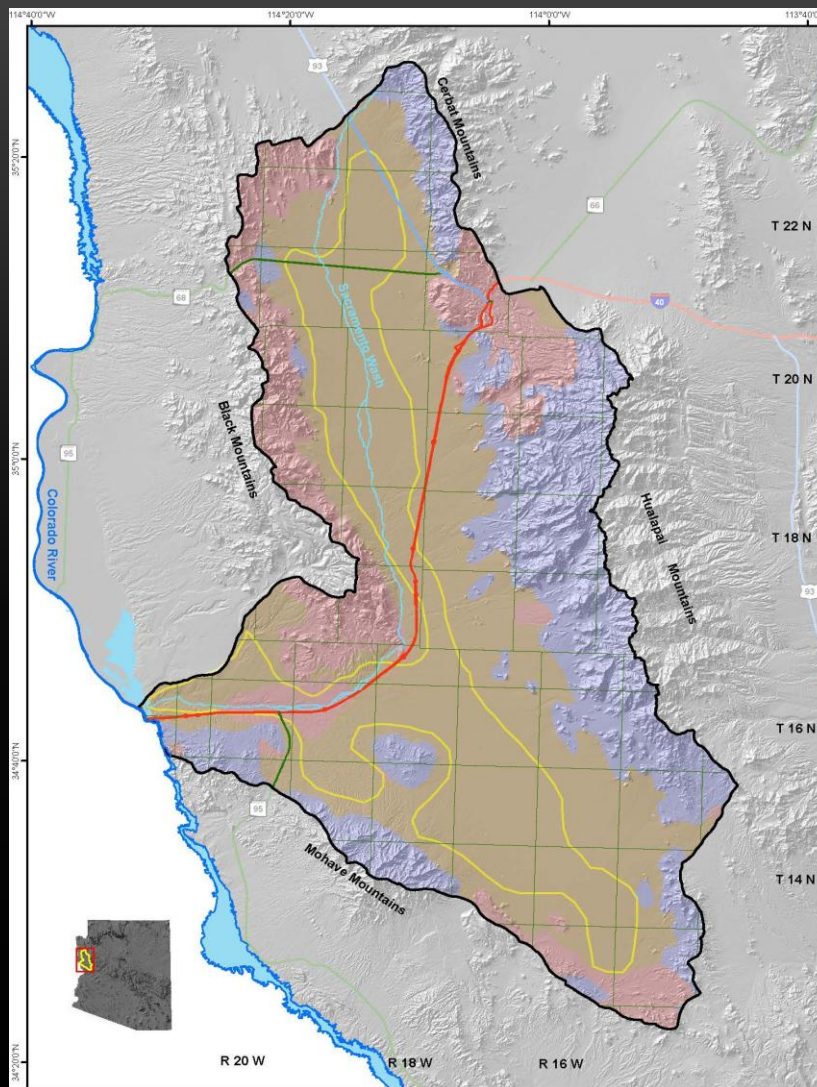
November 17, 2025

Mohave County Development Services



Mohave County Development Services

Sacramento Valley Groundwater Basin



Picture from ADRW Open-File Report
Number 10 Dated March 2008

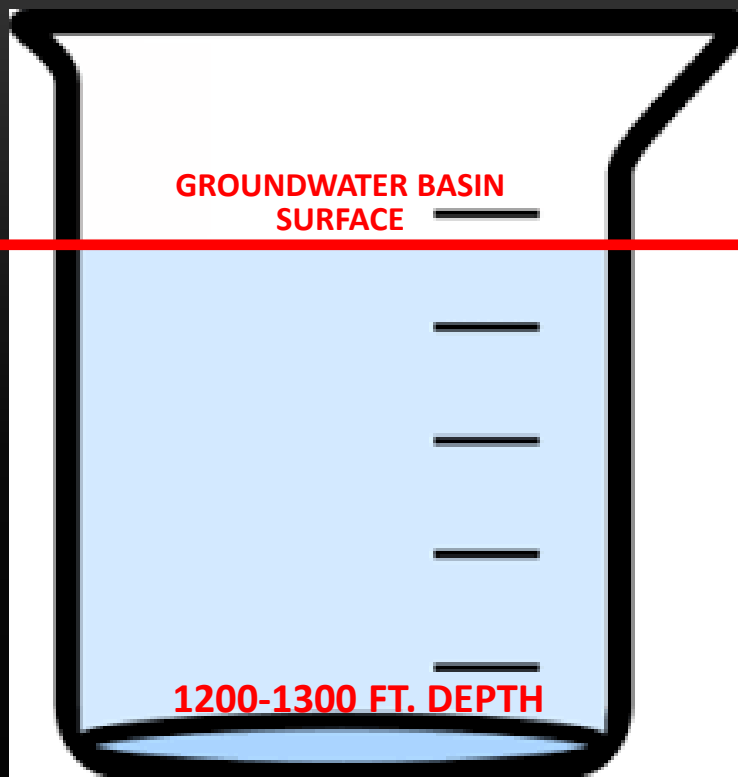


Mohave County Development Services

Sacramento Valley Groundwater Storage Volume

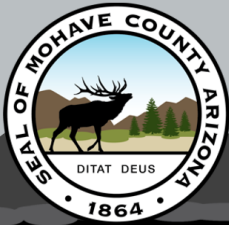
ADWR
Estimated Total
Groundwater Storage
(Water Surface to 1200 ft Depth)
20-30 Million Acre-Feet

Source: ADWR Open-File
Report No. 10 (2008)

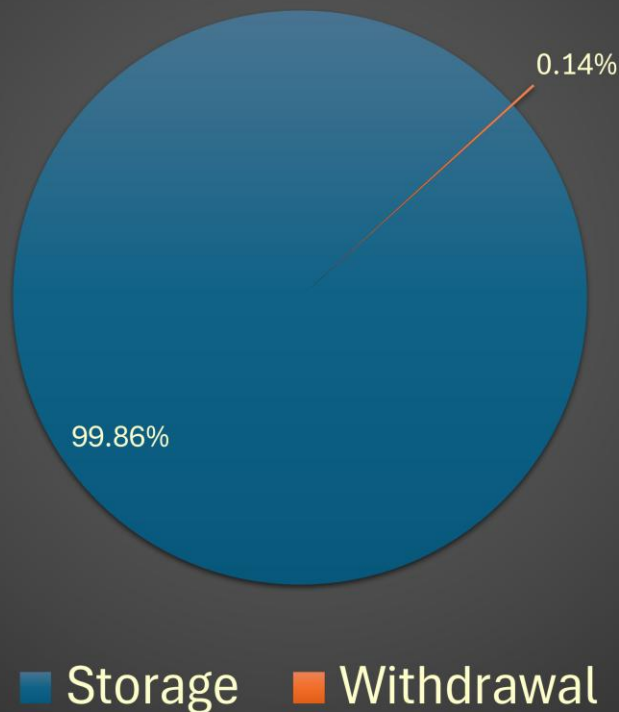


USGS
Estimated Total
Groundwater Storage
(Water Surface to 1300 ft Depth)
28.4 Million Acre-Feet

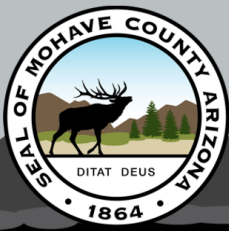
Source: USGS Scientific
Investigations Report
2013-5122



Sacramento Valley Groundwater Estimated Annual Withdrawal Rate

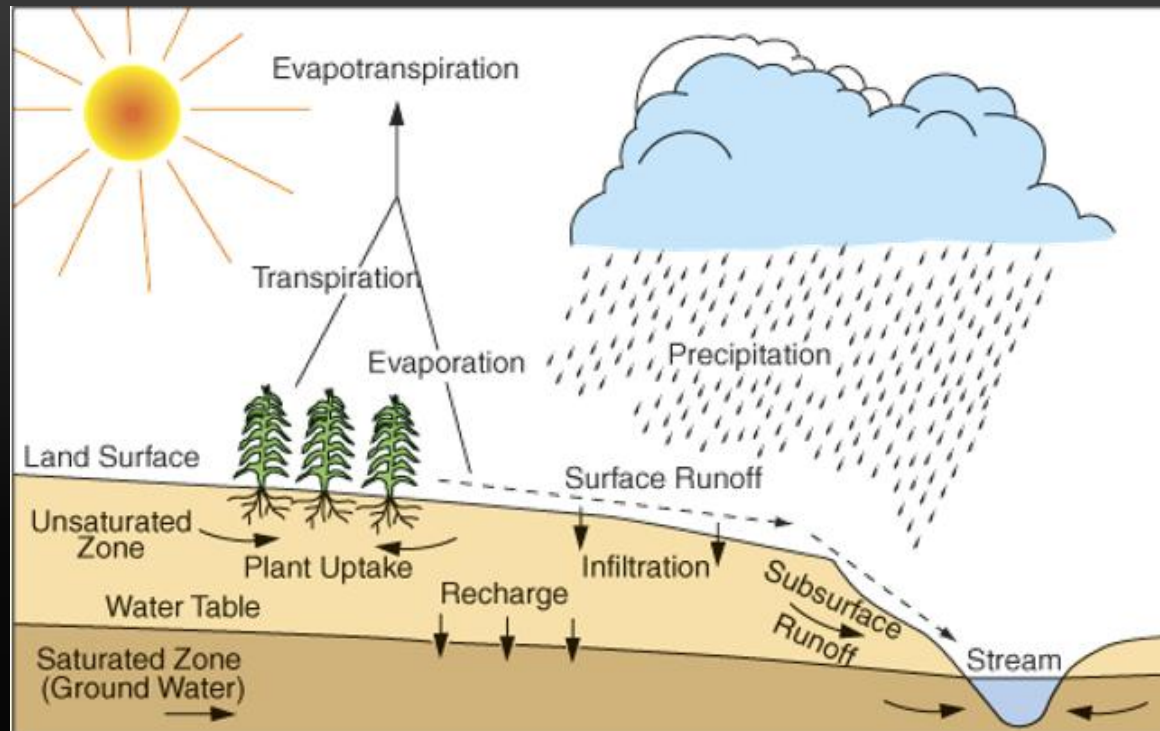


ADWR
Estimated Annual Withdrawals 35,000-40,000 Acre-Feet Per Year
0.13-0.14% of Total Storage if Recharge was Zero



Mohave County Development Services

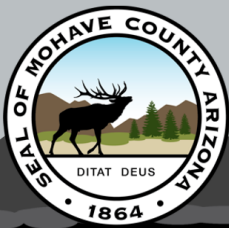
Sacramento Valley Groundwater Recharge



ADWR

**Natural Recharge Estimated Between
5,000-10,000 Acre-Feet Per Year**

Source: ADWR Northwest Basins Resource Assessment (2019)



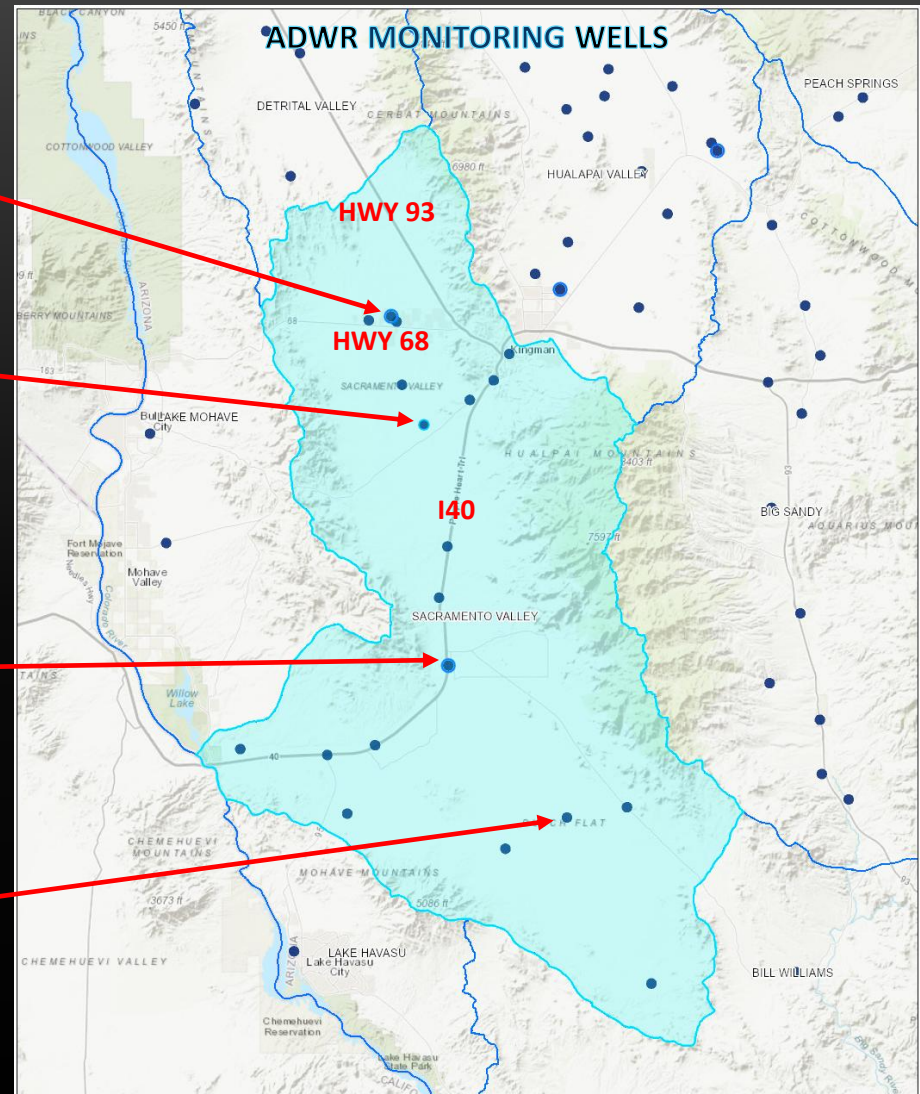
Sacramento Valley Groundwater Water-Level Trends

ADWR Monitoring Well
B-21-18 05DBD Golden Valley
Depth to water (-1') Since 2015
Avg. of 0.1' Drop Per Year

ADWR Monitoring Well
B-20-18 22AAC Golden Valley/Oatman Hwy
Depth to water (-6.2') Since 2015
Avg. of 0.62' Drop Per Year

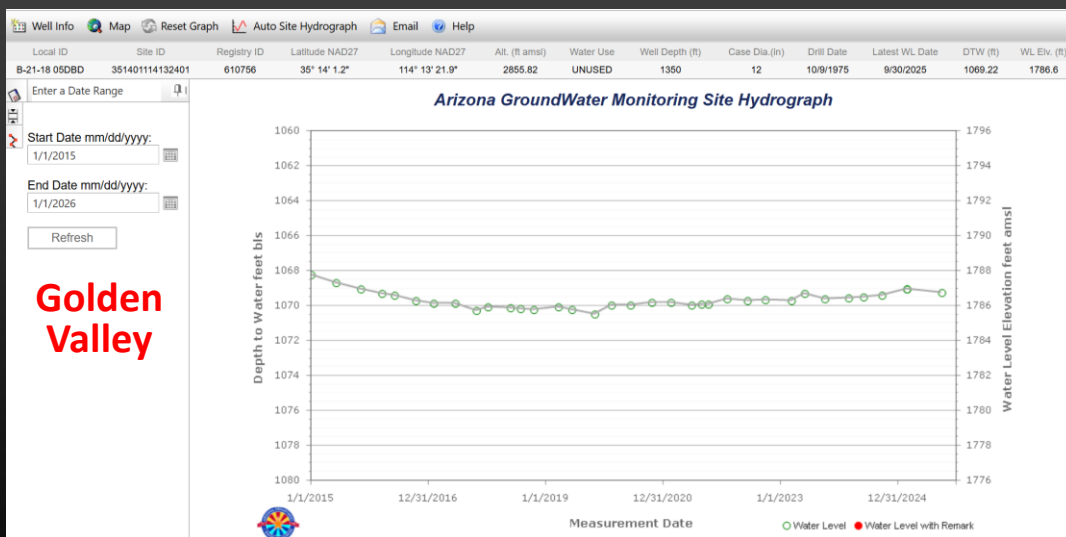
ADWR Monitoring Well
B-17-18 25ADB1 Yucca
Depth to water (+1.8) Since 2015
Avg. of 0.18' INCREASE Per Year

ADWR Monitoring Well
B-15-16 07BDD Yucca/Dutch Flat
Depth to water (-1') Since 2015
Avg. of 0.1' Drop Per Year

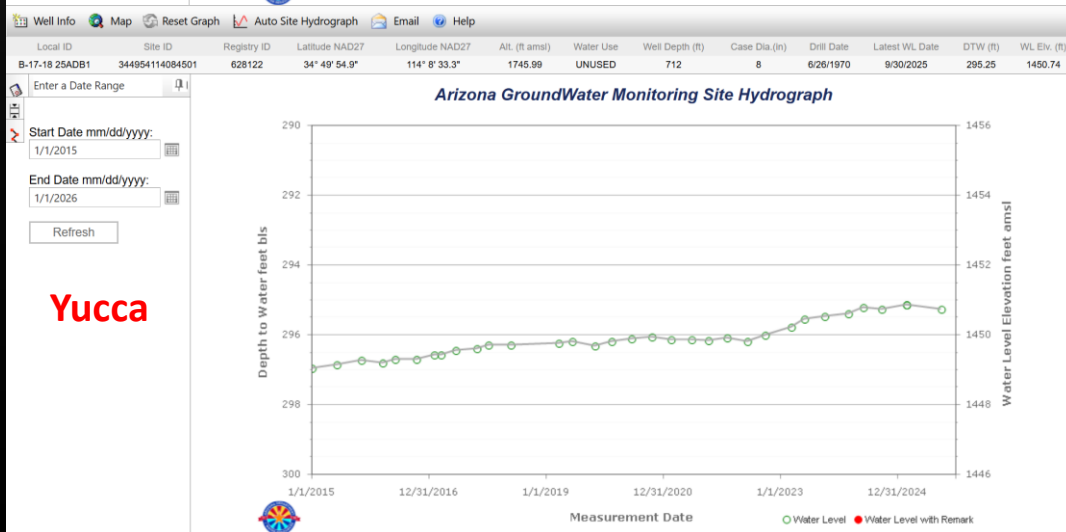




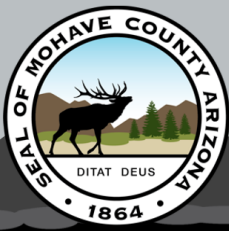
Sacramento Valley Groundwater Water-Level Trends



ADWR Monitoring Well
 B-21-18 05DBD Golden Valley
 Depth to water (-1') Since 2015
 Avg. of 0.1' Drop Per Year



ADWR Monitoring Well
 B-17-18 25ADB1 Yucca
 Depth to water (+1.8) Since 2015
 Avg. of 0.18' INCREASE Per Year



Mohave County Development Services

Sacramento Valley Groundwater Impact of Mineral Park Mine Reopening



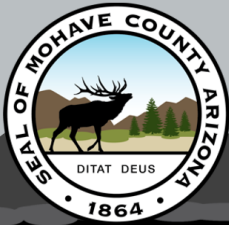
Picture from <https://originmine.com/mineral-park/>

HISTORIC MINERAL PARK MINE WATER USAGE

Year	Water Delivered (Acre-Feet)
2009	4471.59
2010	5287.66
2011	5102.46
2012	3762.65
2013	4887.55
2014	5115.84
AVERAGE	4771.29

What We Know

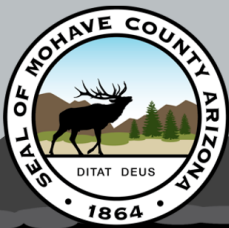
- The mine closed in January of 2015
- The Mine is expected to re-open this year. (Per Origin Mining Co. Website)
- Between 2009 & 2014, the mine used an average of 4771.29 Acre-Feet of water per year. (Based on Valley Pioneer Water Co. Annual Reports)



Mohave County Development Services

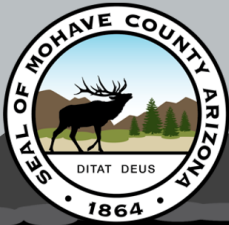
Sacramento Valley Groundwater Water Quality





Sacramento Valley Groundwater Summary/Conclusion

- **Storage** – Approximately 28 million acre-feet of groundwater between surface and a depth of 1200-1300 ft.
- **Withdrawal** – Approximately 40-45 thousand acre-feet per year (including potential mine usage).
- **Recharge** – Approximately 5-10 thousand acre-feet per year of natural recharge. (Evidence of which can be seen on the ADWR hydrographs.)
- **Water Quality** – Within EPA standards.
- **No evidence of basin-wide overdraft or threat to availability.**
- **ADRW will be preparing a comprehensive “*Supply & Demand Assessment Report*” for the Sacramento Valley and other northwest basins, with expected release in the next two years. This report will provide updated metrics for the groundwater basins in Mohave County.**



ONLINE SOURCES FOR THIS PRESENTATION

- **Arizona Department of Water Resources (ADWR) Open File Report No. 10 (2008)**
https://www.azwater.gov/sites/default/files/2022-08/ADWR_OFR10_SacramentoValley_000.pdf
- **US Geological Survey (USGS) Scientific Investigations Report 2013-5122**
<https://pubs.usgs.gov/sir/2013/5122/pdf/sir2013-5122.pdf>
- **ADWR Northwest Basins Groundwater Resource Assessment**
https://www.azwater.gov/sites/default/files/2022-08/NWBasins_Report_Final_Combined.pdf
- **ADWR Groundwater Site Inventory (Wells)**
<https://azwatermaps.azwater.gov/gwsiweb>
- **Golden Valley Improvement District (GVID) 2023 Consumer Confidence Report**
<https://www.mohave.gov/media/3oza5dsk/2024-ccr-final-new-temp-gvid.pdf>
- **Valley Pioneer Water Company 2024 Water Quality Report**
https://valleypioneerswater.com/documents/989/Web_version.pdf
- **Water Usage for Mineral Park Mine (Valley Pioneer Water Co. Annual Reports)**
https://infoshare.azwater.gov/docushare/dsweb/ApplySearch?sort_key1=date&order=ascending
- **Mineral Park Mine Information (Original Mining Company)**
<https://originmine.com/mineral-park>