

Hydrology Report – January 2025

Upper Basin Hydrology

- In December, the upper basin received 65% of average precipitation bringing the cumulative precipitation to 96% for the year.
- Temperatures in the upper basin in December were 3 to 9 degrees F above normal.
- Snowpack accumulation is currently at 91% (as of 1/17/2025).
- The Basin Forecast Center is estimating water year 2025 runoff at 7.83 million acre-feet or 82% of average.

Current reservoir status

- As of January 16, 2025, Lake Mead is at an elevation of **1,065.2** feet and has about 8.8 million acre-feet in storage (34% capacity).
- As of January 16, 2025, Lake Powell is at an elevation of 3,569.4 feet and has about 8.5 million acre-feet in storage (37% capacity).
- Total system storage for the upper and lower basin is around 24.5 million acre-feet (42% capacity).

2025 reservoir operations

- Lake Powell will be operated in the Mid-Elevation Release Tier with a release of 7.48 million acre-feet in water year 2025.
- Lake Mead will operate in a Level 1 Shortage Condition in calendar year 2025.
- Accordingly, in 2025, Nevada's consumptive use will be reduced by 13,000 acre-feet under the 2007 Interim Guidelines and Nevada will make a Drought Contingency Plan contribution of 8,000 acre-feet.
- Arizona and Mexico are also required to take shortage and make a water savings contribution in 2025. Those amounts are significantly larger than Nevada's obligations.
- The total combined volumes for Arizona, Nevada, and Mexico are 613,000 acre-feet in calendar year 2025, which will save the equivalent of about 8 feet in elevation in Lake Mead.

Water Use in Southern Nevada ¹

- Southern Nevada's consumptive use for January-November of 2024 was 201,857 acre-feet, which is a 3.5% decrease compared to the three-year average.

Reclamation's Lake Mead and Lake Powell Projections ²

- Reclamation uses computer models to forecast reservoir elevations based on planned water use and anticipated runoff. The January 24-Month Study forecasts Lake Mead to be between 1,058.8 and 1,054.9 feet in elevation by the end of 2025.
- Reclamations January 24-Month Study is forecasting Lake Powell's elevation to be between 3,572.7 and 3,549.6 feet by the end of 2025.

¹ 2024 consumptive use data is preliminary.

² Reclamation modeling assumes the current operational guidelines and planned conservation activities.

Colorado River Commission of Nevada

Hydrology and River Updates

Warren Turkett

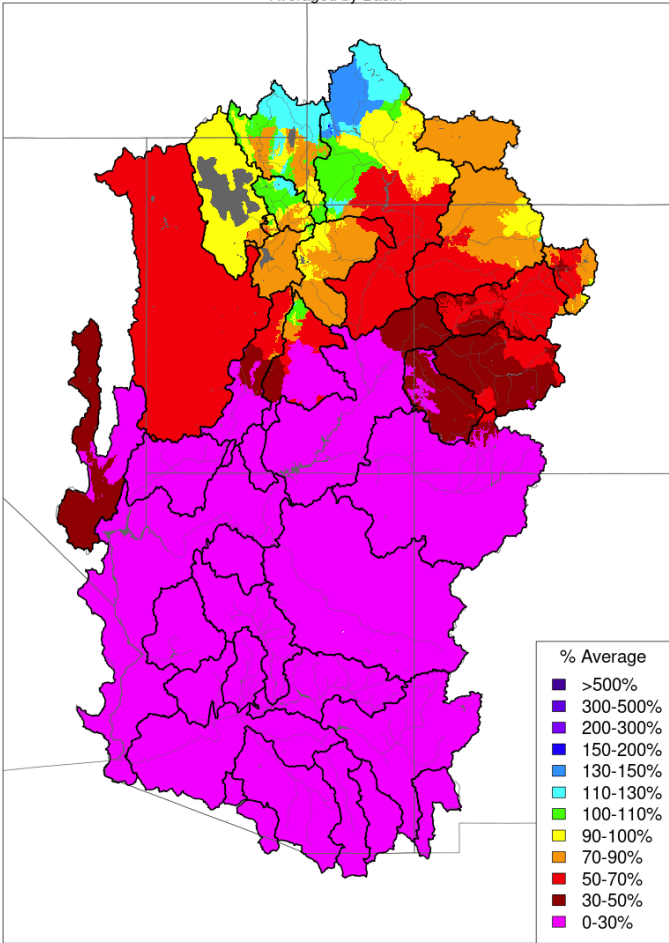
January 17, 2025





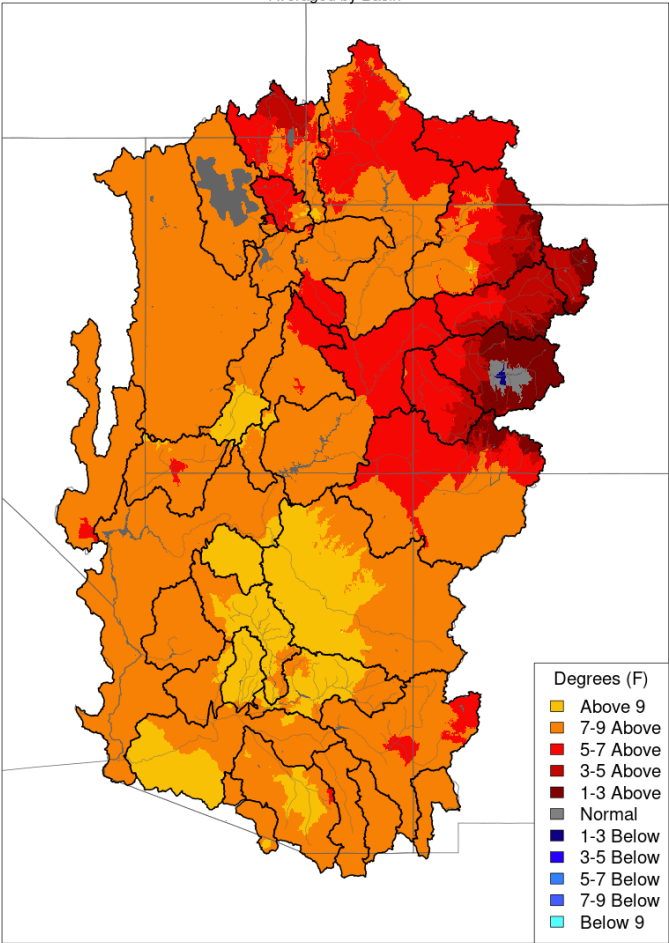
Precipitation and Temperature

Monthly Precipitation - December 2024
Averaged by Basin



Prepared by NOAA, Colorado Basin River Forecast Center
Salt Lake City, Utah, www.cbrfc.noaa.gov

Max Temp - Monthly Deviation - December 2024
Averaged by Basin



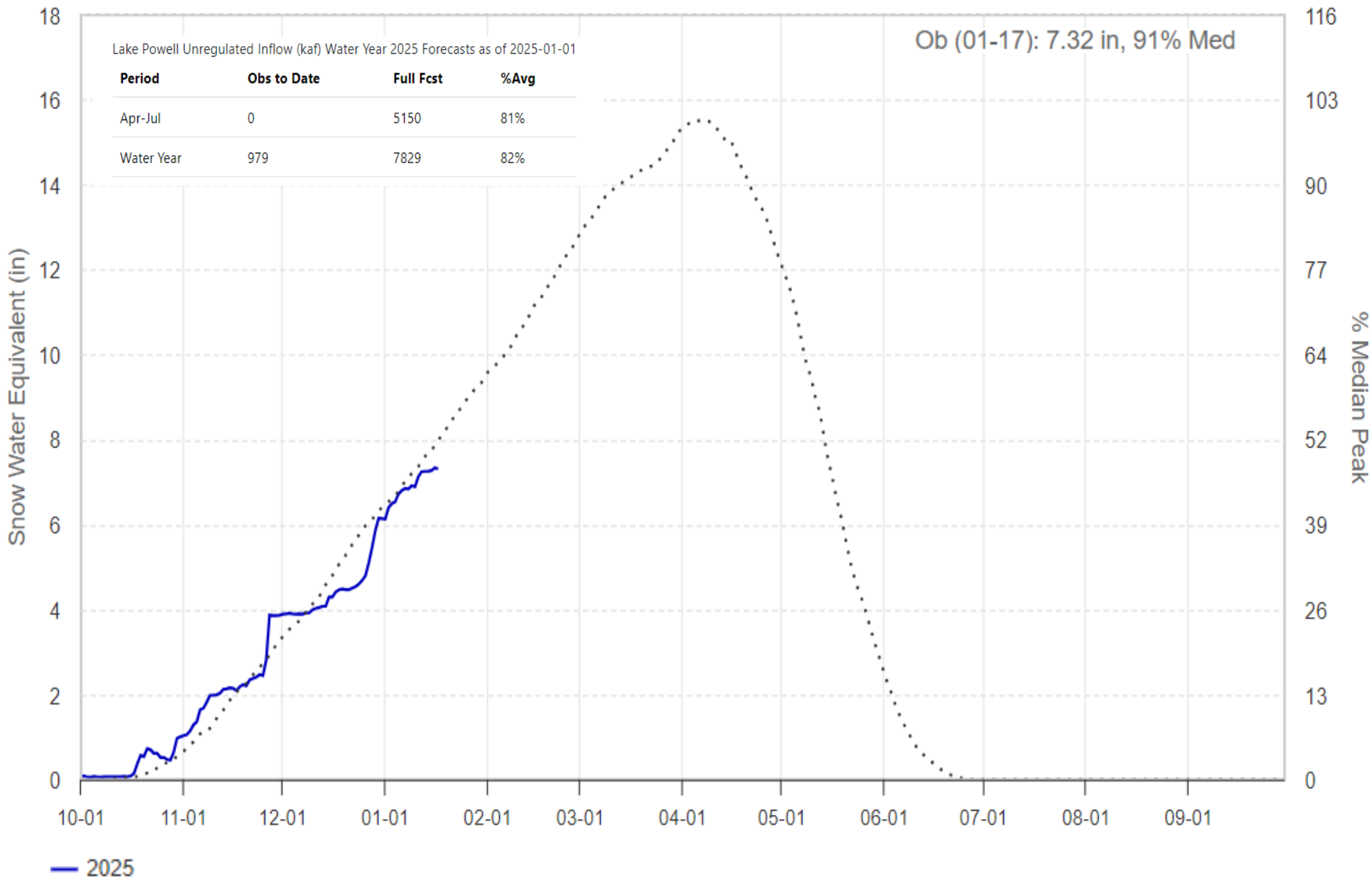
Prepared by NOAA, Colorado Basin River Forecast Center
Salt Lake City, Utah, www.cbrfc.noaa.gov

Lake Powell %Average Precipitation Water Year 2025

Area	Oct	Nov	Dec	Water Year
UC-Powell	111	114	65	96



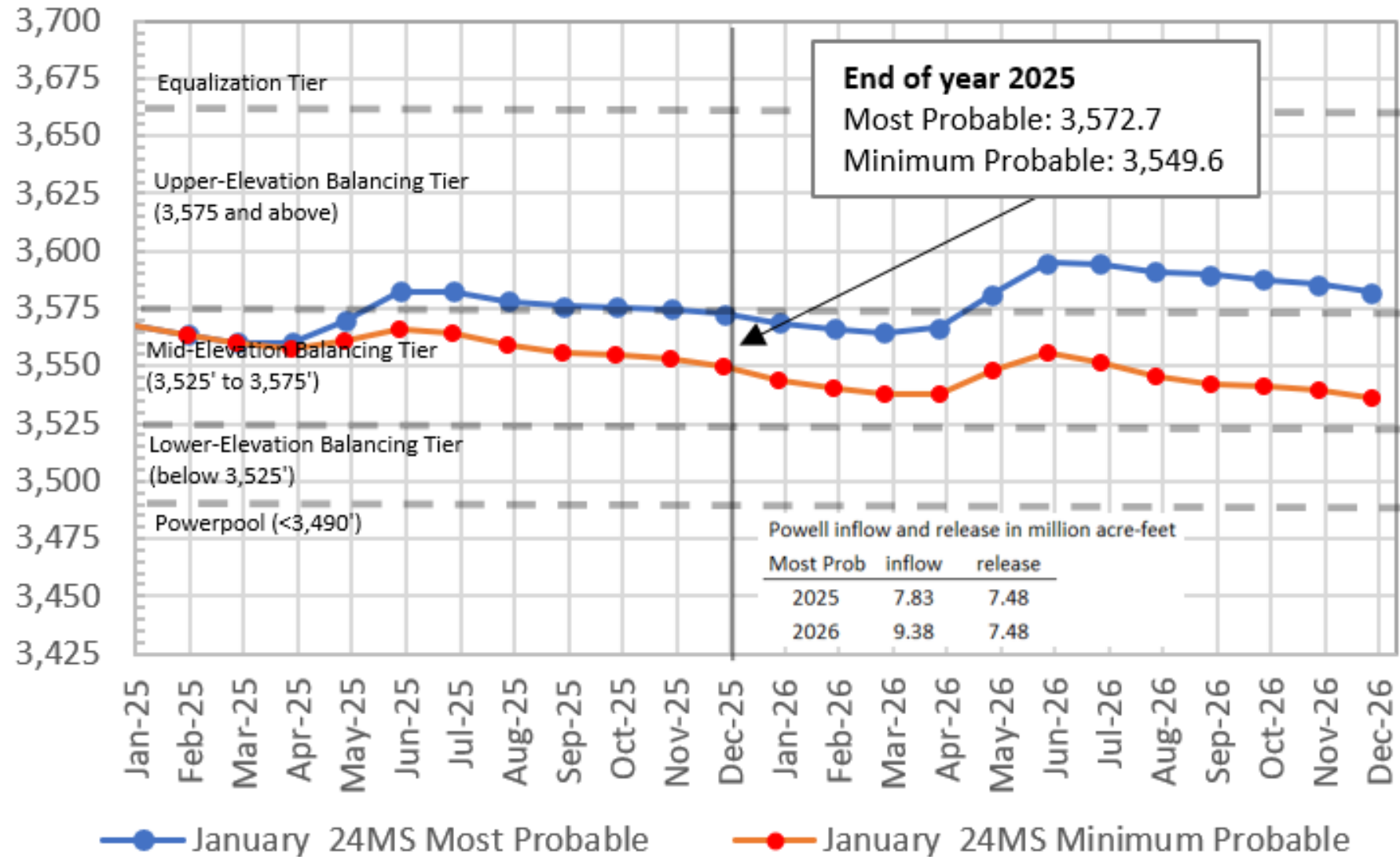
Snowpack





Lake Powell End-of-Month Elevations

January 2025 24 Month Study

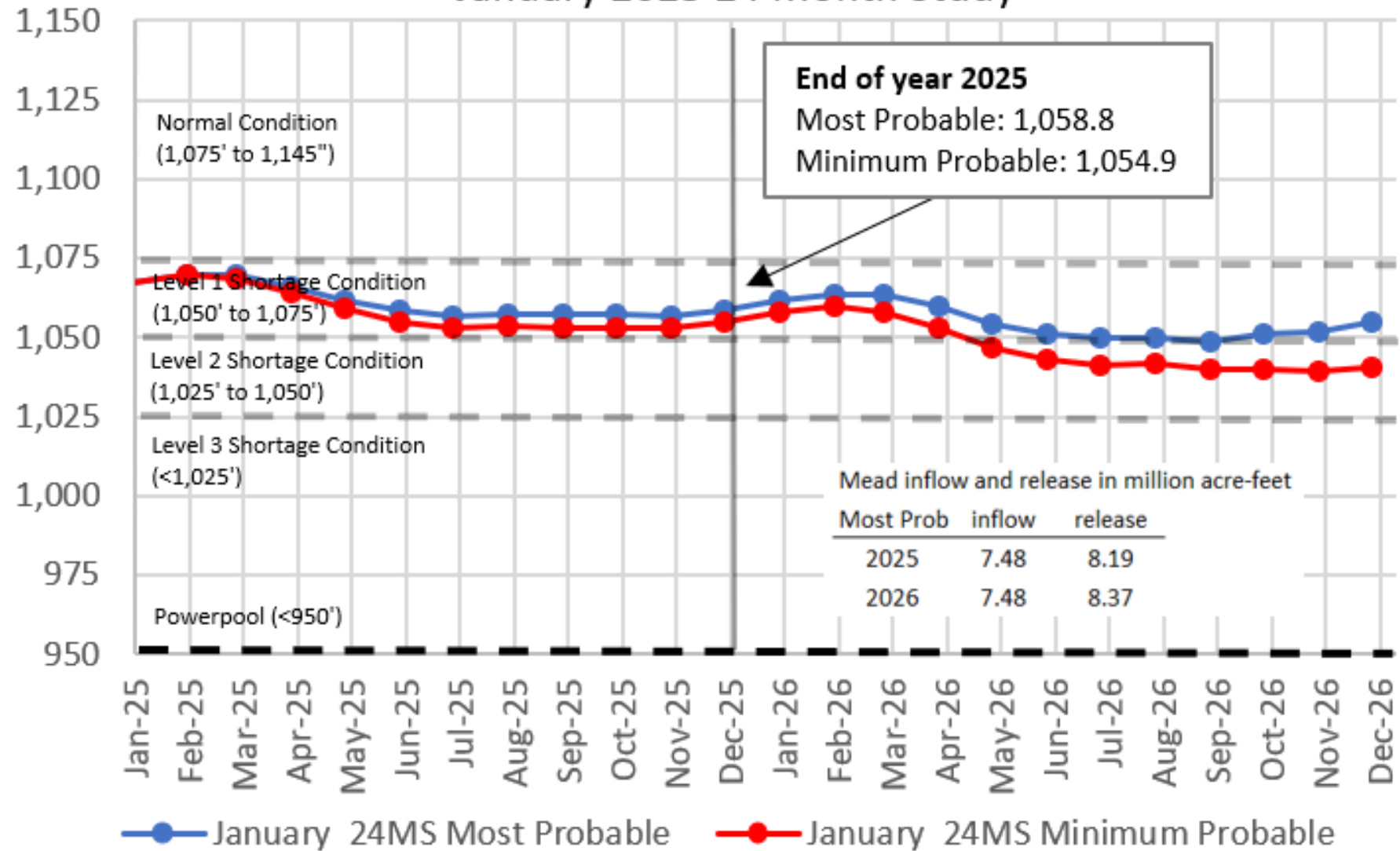


January 16, 2025 elevation: 3,569.4 feet



Lake Mead End-of-Month Elevations

January 2025 24 Month Study



January 16, 2025 elevation: 1,065.2 feet

Water Use In Southern Nevada

2024 January-November Southern Nevada Water Use¹

Acre-Feet

Nevada Annual Allocation	300,000
Drought Contingency Plan contribution	-8,000
Interim Guidelines Shortages	-13,000
Diversions	426,480
Return Flow Credits	224,623
Consumptive Use	201,857
¹ 2024 Consumptive use data is preliminary.	(3.5% decrease compared to 3-year average)