

Hydrology Report – February 2025

Upper Basin Hydrology

- In January, the upper basin received 60% of average precipitation bringing the cumulative precipitation to 87% for the year.
- Temperatures in the upper basin in January were 1 to 7 degrees F below normal.
- Snowpack accumulation is currently at 83% (as of 2/10/2025).
- The Basin Forecast Center is estimating Lake Powell inflow for water year 2025 at 6.8 million acre-feet or 71% of average.

Current reservoir status

- As of February 9, 2025, Lake Mead is at an elevation of **1,067.2** feet and has about 8.9 million acre-feet in storage (34% capacity).
- As of February 9, 2025, Lake Powell is at an elevation of 3,565.5 feet and has about 8.4 million acre-feet in storage (36% capacity).
- Total system storage for the upper and lower basin is around 24.4 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-December of 2024 was 212,398 acre-feet, which is a 2.4% 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

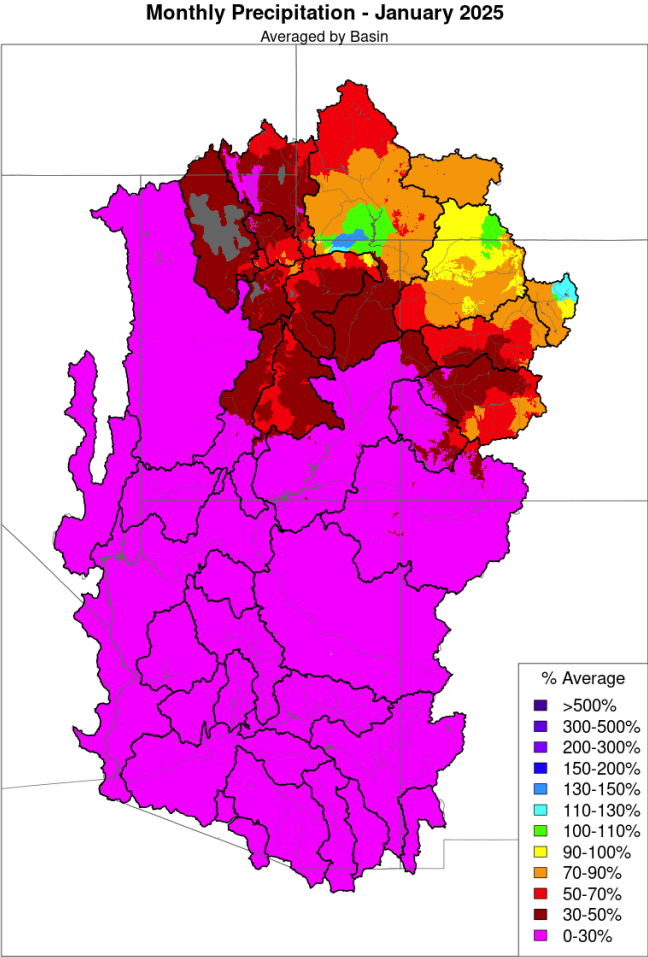
Warren Turkett

February 11, 2025

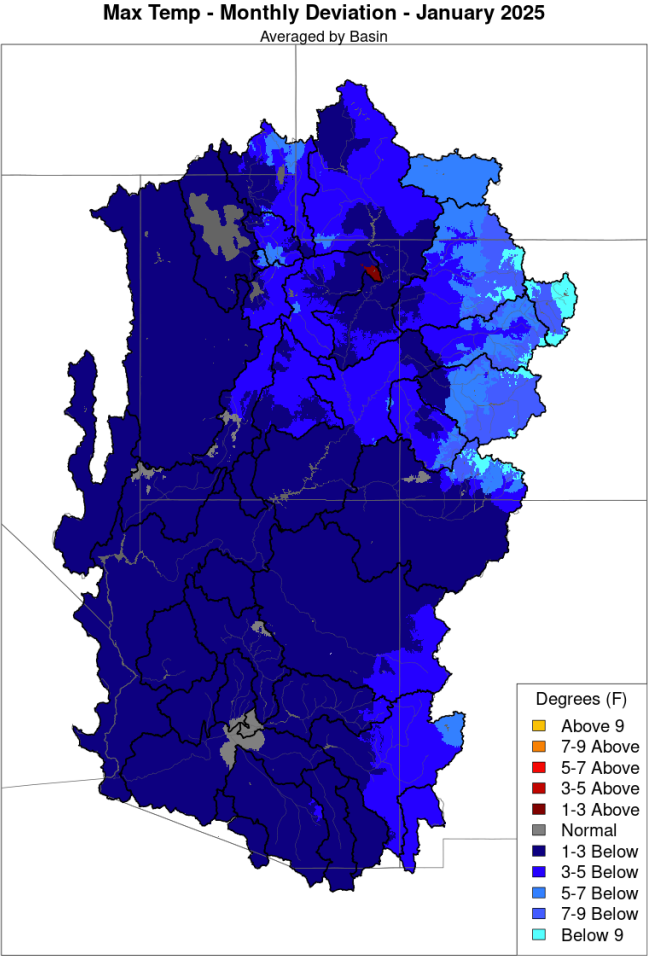




Precipitation and Temperature



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



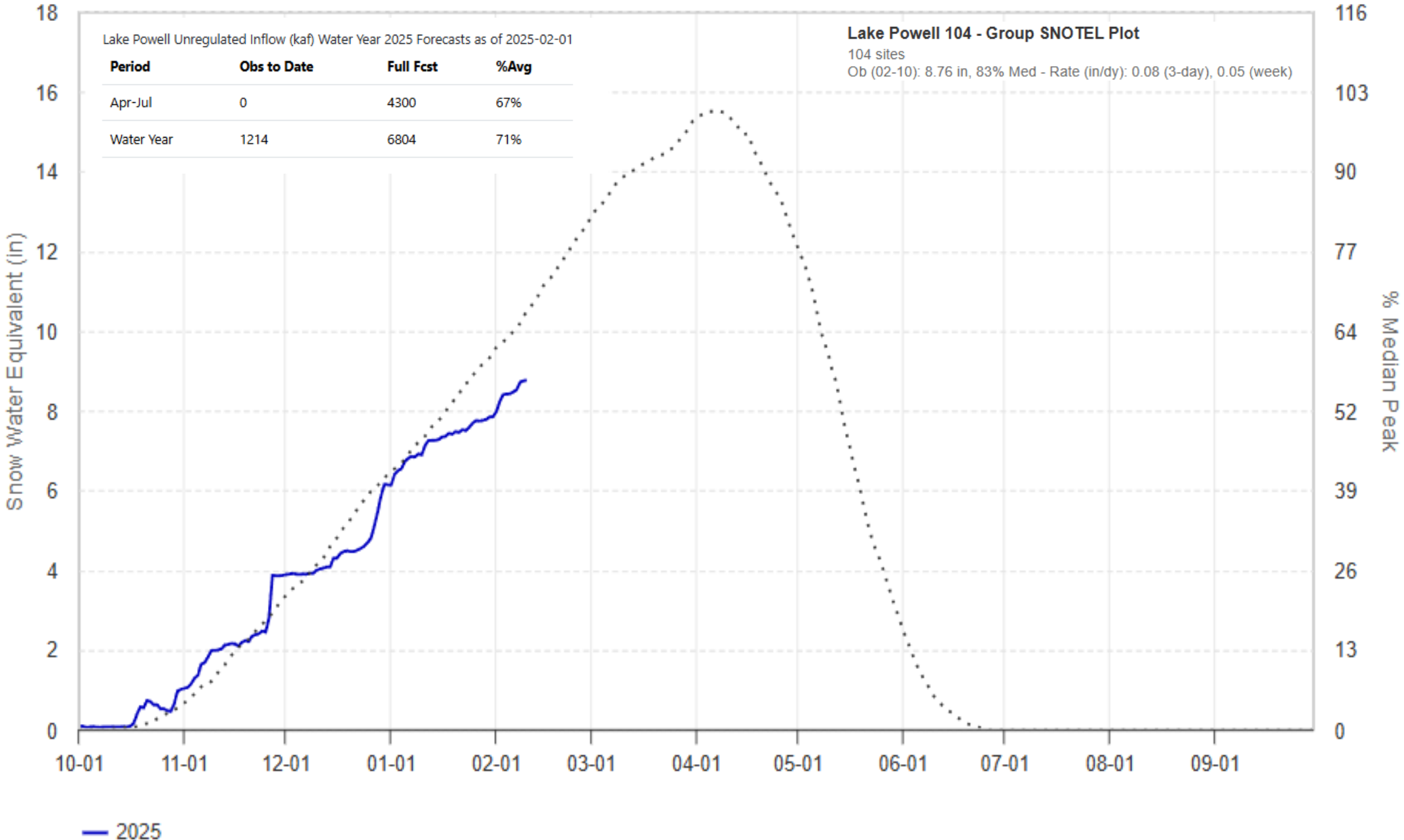
Prepared by NOAA, Colorado Basin River Forecast Center
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Lake Powell %Average Precipitation Water Year 2025

Area	Oct	Nov	Dec	Jan	Water Year
UC-Powell	111	114	65	60	87



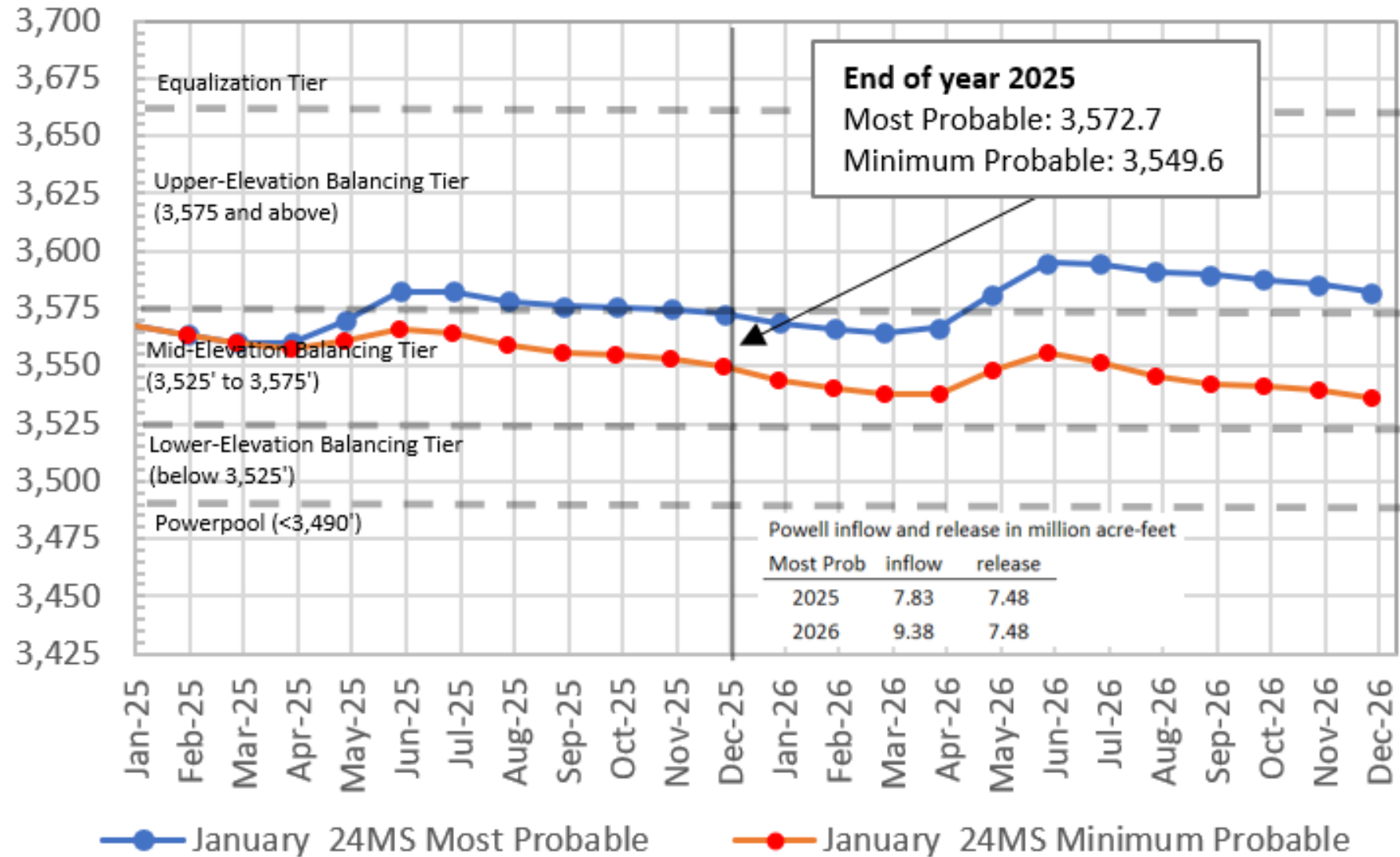
Snowpack





Lake Powell End-of-Month Elevations

January 2025 24 Month Study

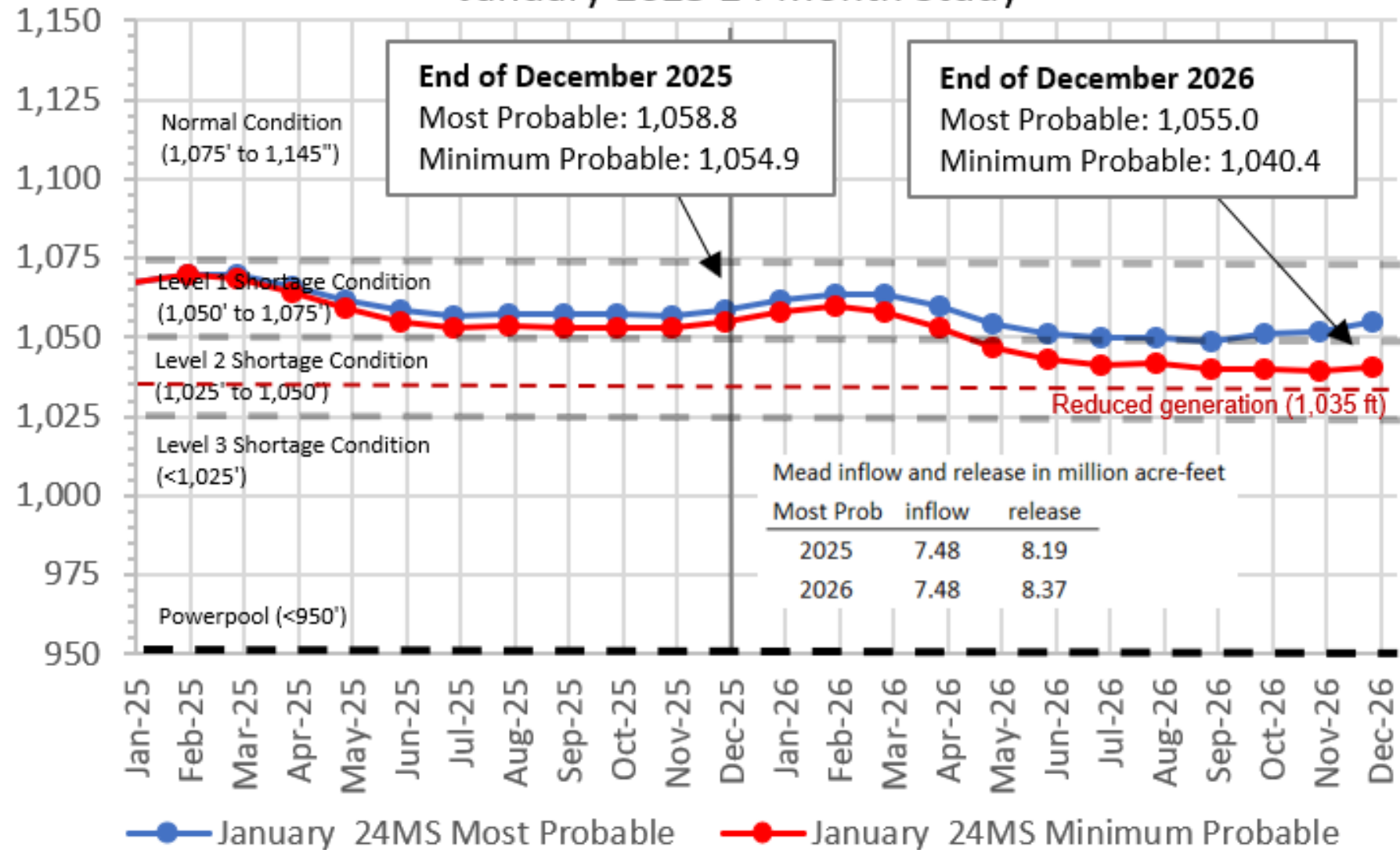


February 9, 2025 elevation: 3,565.5 feet



Lake Mead End-of-Month Elevations

January 2025 24 Month Study



February 9, 2025 elevation: 1,067.2 feet

Water Use In Southern Nevada

2024 January-December Southern Nevada Water Use¹

Acre-Feet

Nevada Annual Allocation	300,000
Drought Contingency Plan contribution	-8,000
Interim Guidelines Shortages	-13,000
Diversions	457,819
Return Flow Credits	245,421
Consumptive Use	212,398
¹ 2024 Consumptive use data is preliminary.	(2.4% decrease compared to 3-year average)