



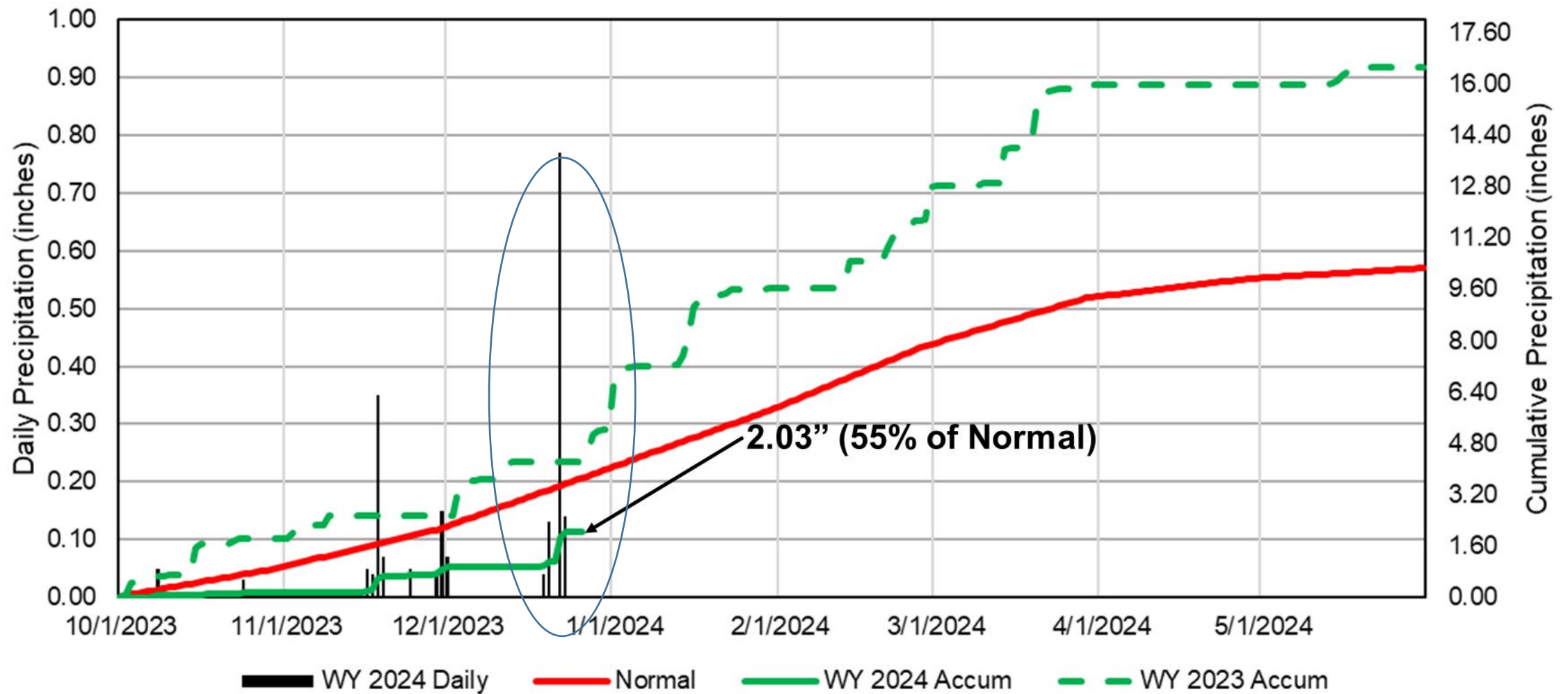
Salt River & Verde River Watersheds Water Supply Update



Delivering water and power™

Stephen Flora, Senior Hydrologist
ADWR Drought MTC Meeting – January 10, 2024

Cumulative Watershed Precipitation: Fall-Winter-Spring (WY 2024)

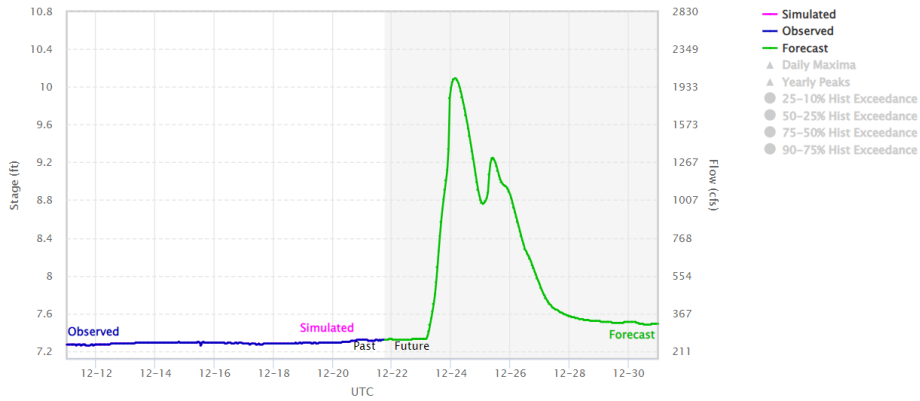


VDTA3 - Verde - Tangle Ck, Blo, Horseshoe Dam, Abv

Related Plots Point Info Downloads Select Show/Hide Scale To **Stage** Flow Zero Flow Min

Forecast Hydrograph – Verde – Tangle Ck, Blo, Horseshoe Dam, Abv (VDTA3) – NOAA/CBRFC

Fcst Date: 12/21/14Z – Latest Ob: 7.32 ft, 254 cfs (12/21/18Z) – Flood: NA – Action: 23.0 ft, 89611 cfs



Potential December Storm Runoff



Colorado Basin
River Forecast Center
National Weather Service

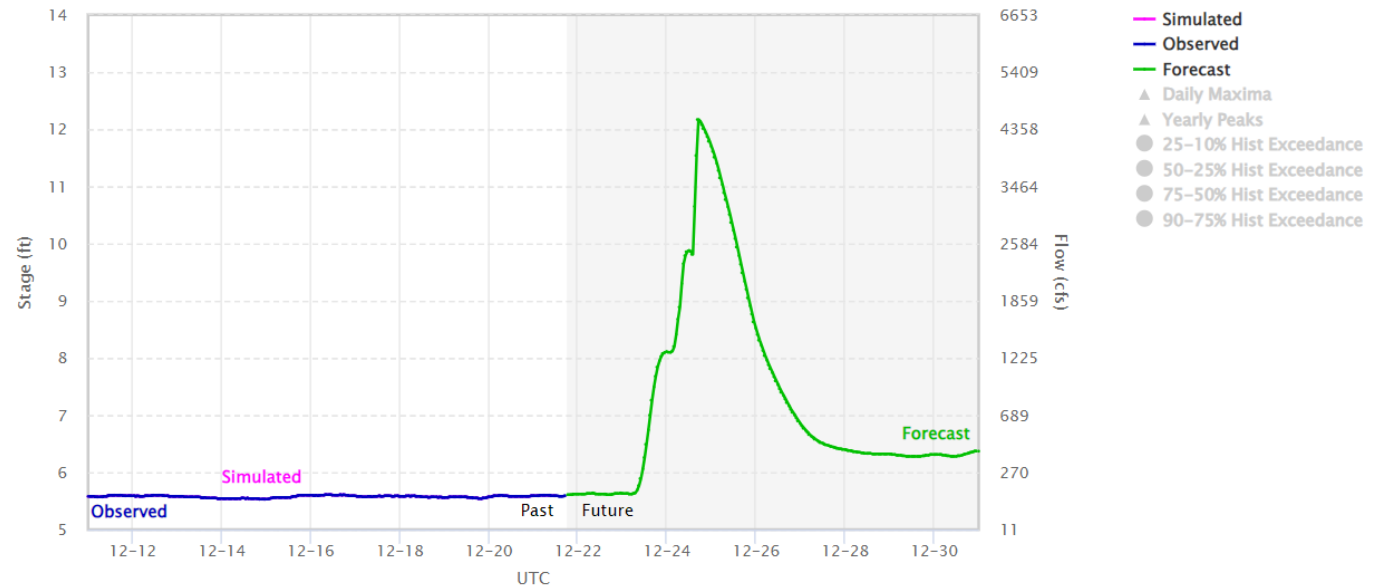
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SLRA3 - Salt - Roosevelt, Nr

Related Plots Point Info Downloads Select Show/Hide Scale To **Stage** Flow Zero Flow Min

Forecast Hydrograph – Salt – Roosevelt, Nr (SLRA3) – NOAA/CBRFC

Fcst Date: 12/21/15Z – Latest Ob: 5.59 ft, 141 cfs (12/21/17Z) – Flood: 30.0 ft, 124957 cfs – Action: 24.0 ft, 49720 cfs

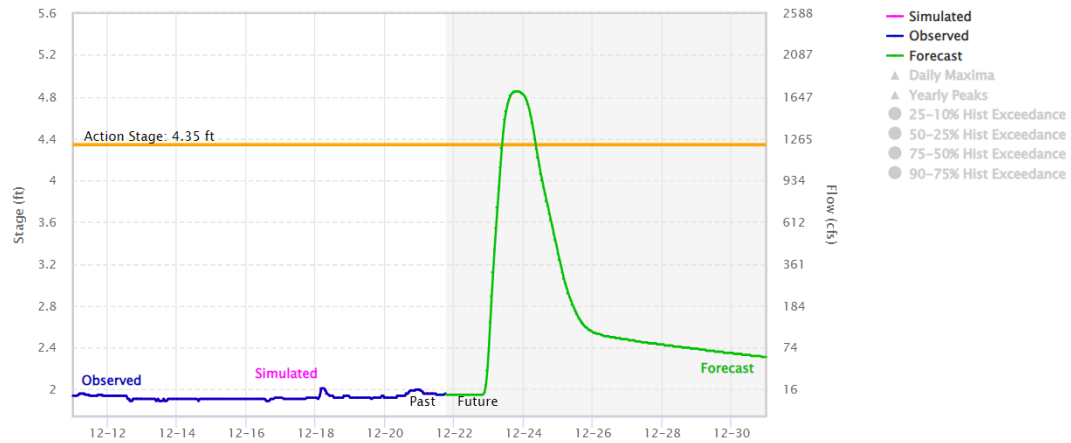


TNRA3 - Tonto Ck - Roosevelt, Nr, Gun Ck, Abv

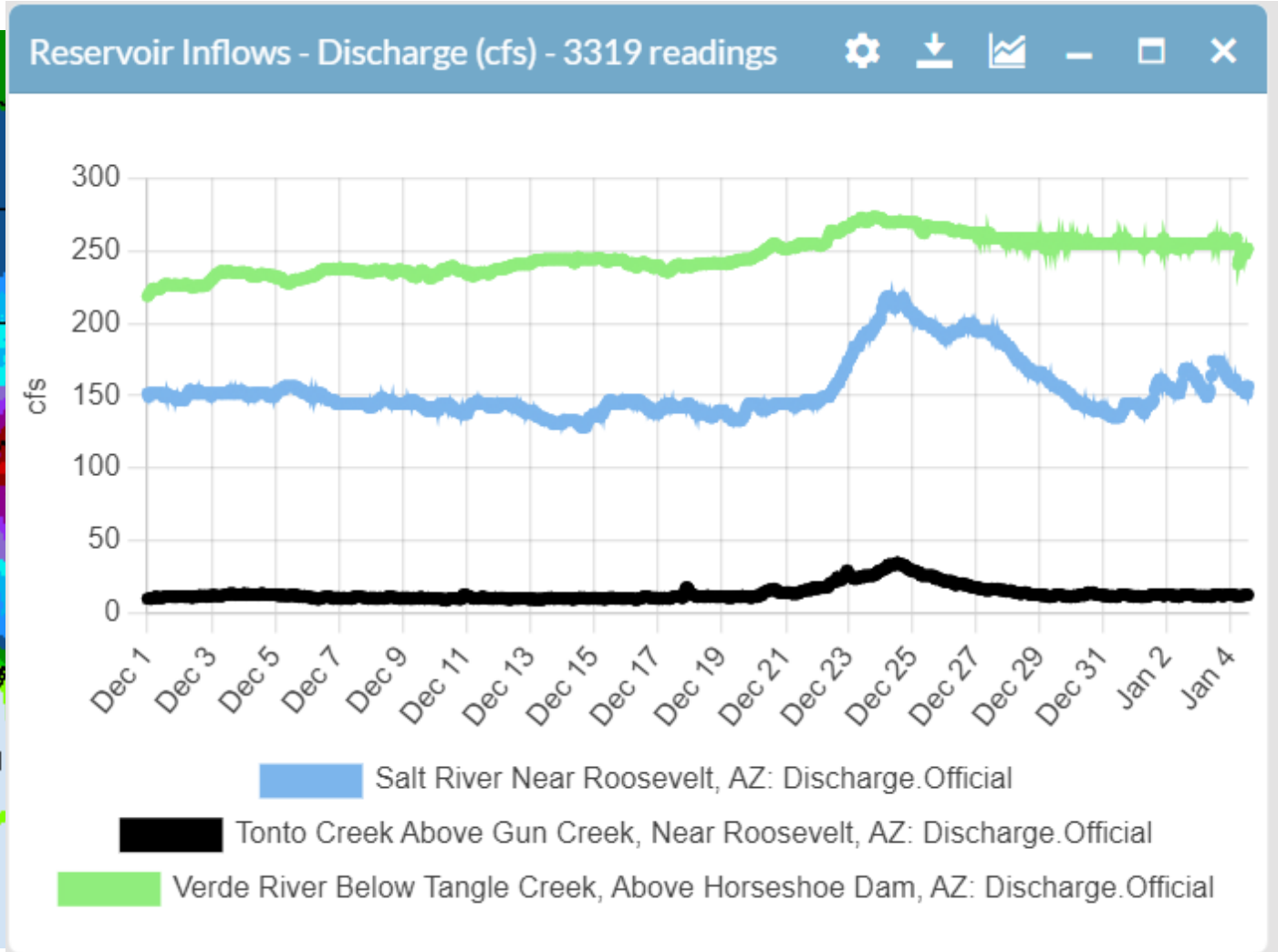
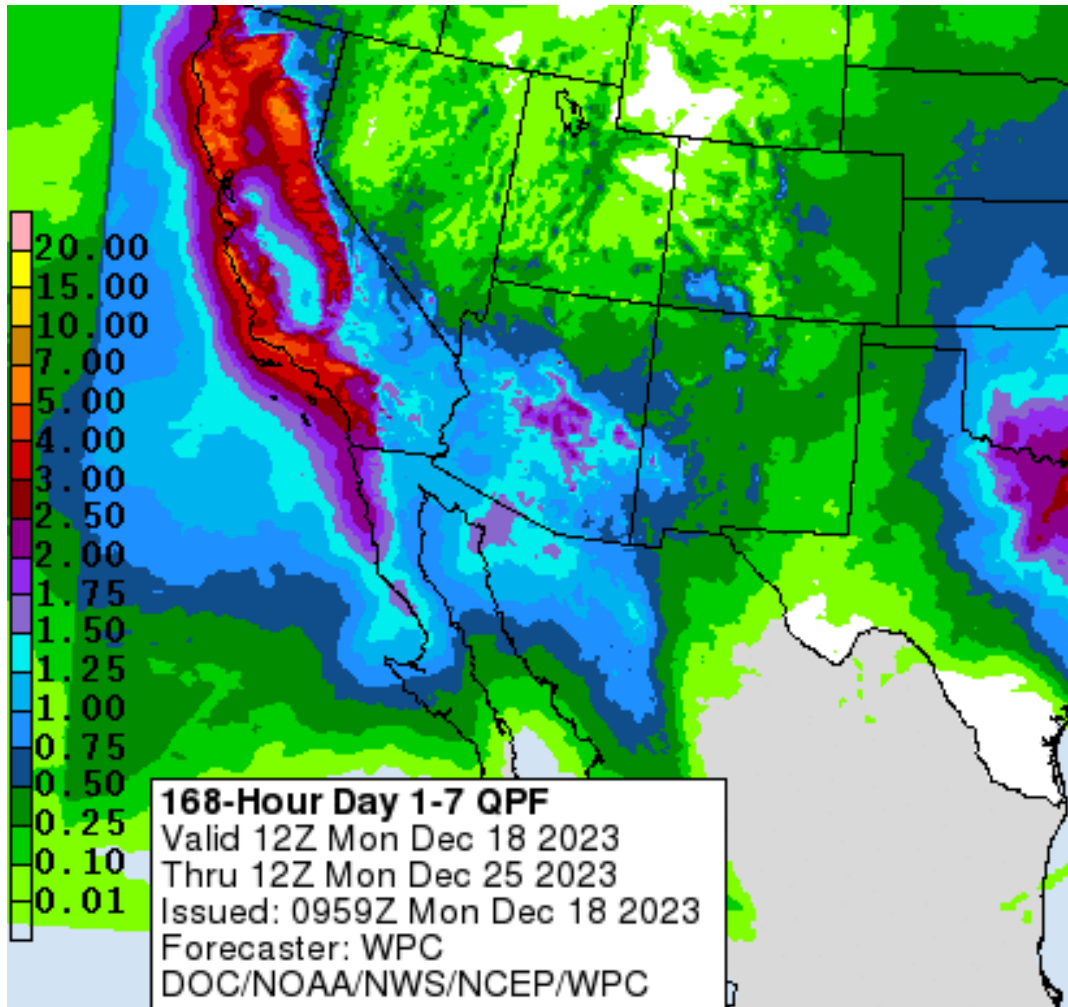
Related Plots Point Info Downloads Select Show/Hide Scale To **Stage** Flow Zero Flow Min

Forecast Hydrograph – Tonto Ck – Roosevelt, Nr, Gun Ck, Abv (TNRA3) – NOAA/CBRFC

Fcst Date: 12/21/15Z – Latest Ob: 1.96 ft, 13 cfs (12/21/18Z) – Flood: 16.0 ft, 53142 cfs – Action: 4.3 ft, 1221 cfs

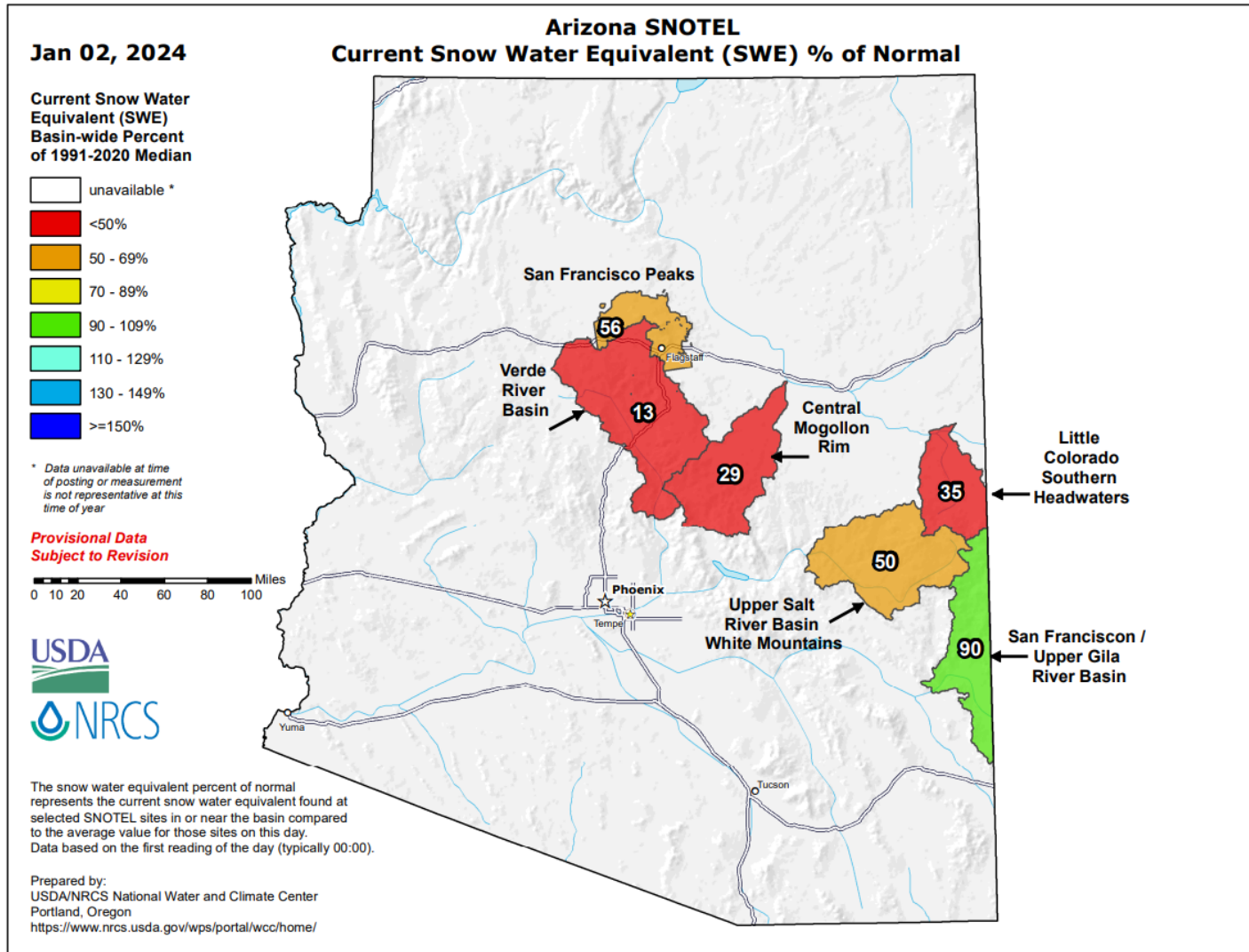


Late December Storm Totals and Runoff



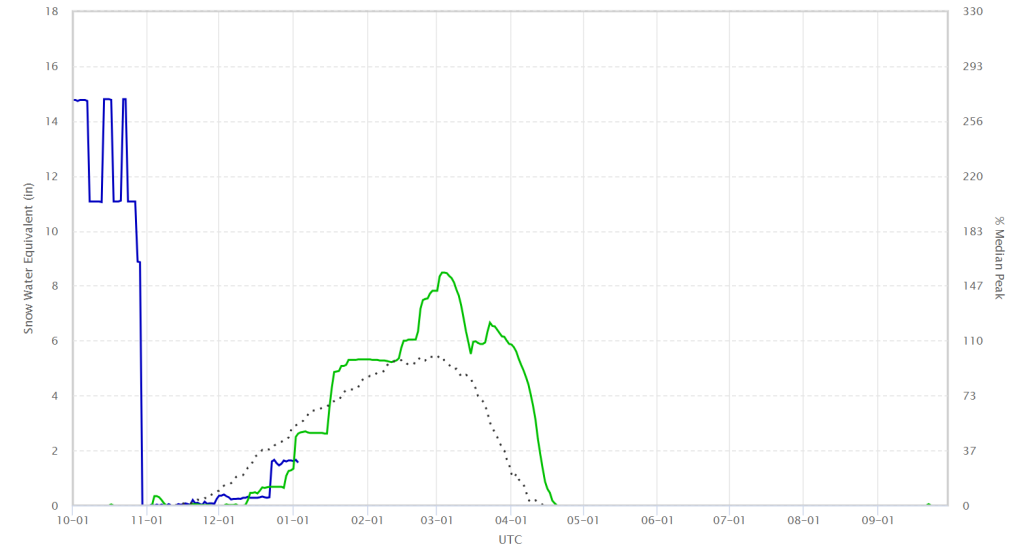
Avg Watershed Precipitation = 1.08" (Dec 18-25)
December 2024 Runoff = 25,500 AF (72% of median)

January 2, 2024: Snowpack Conditions



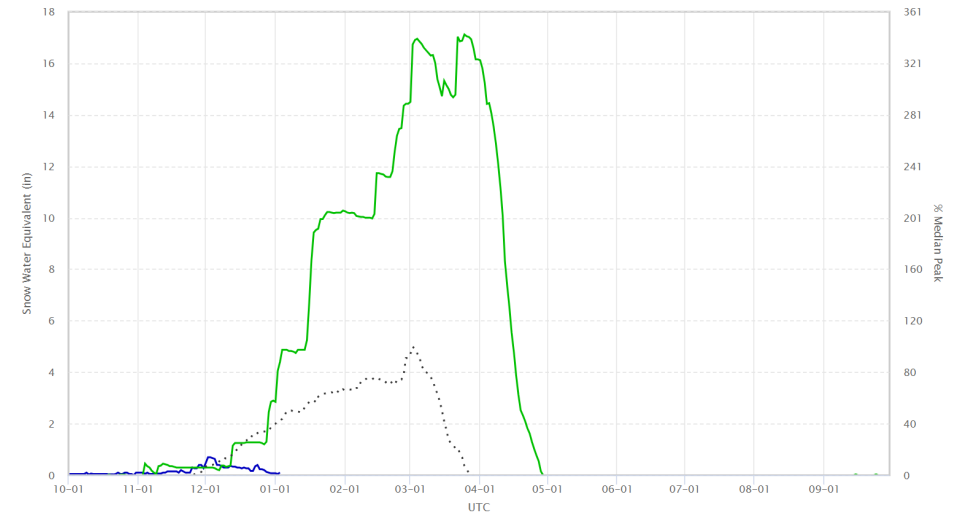
Salt River - Group SNOTEL Plot

BLDA3,CNDA3,HNMA3,MVFA3,WCTA3
 Ob (01-03): 1.56 in, 0% Med - Rate (in/dy): -0.02 (3-day), -0.03 (week)
 Peak (10-14): 14.80 in (271.00% Med Pk) - Med Peak (03-01): 5.46 in



Verde River - Group SNOTEL Plot

BKBA3,FRYA3,MRMA3,WHLA3
 Ob (01-03): 0.10 in, 0% Med - Rate (in/dy): 0.01 (3-day), -0.01 (week)
 Peak (12-02): 0.70 in (14.00% Med Pk) - Med Peak (03-02): 4.99 in



January Snow accumulation has increased slightly but still below normal



Salt Watershed – Greens Peak



Verde Watershed – Bar M

Reservoir and Watershed Status

Reservoir Total Storage
1,852,099 AF – 81%
(Last year – 66%)

Current Inflow – 419 cfs
Current Outflow – 313 cfs

Reservoir storage decreased
from 85% to 81% between
October 1 – January 2

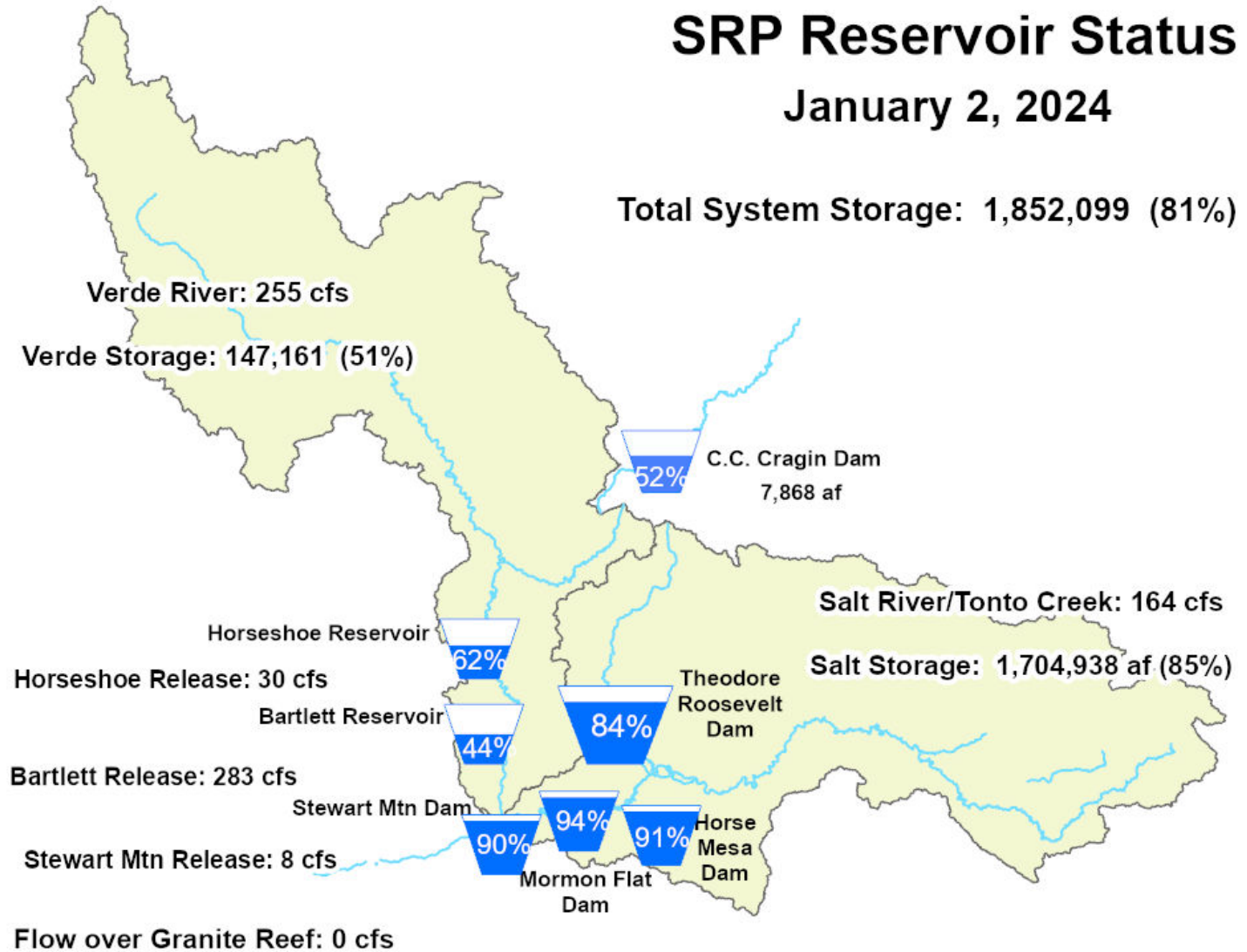
SRP water deliveries/releases
will from the Verde.

SRP total Groundwater use for
2024 is 75,000 AF (min).

SRP Reservoir Status

January 2, 2024

Total System Storage: 1,852,099 (81%)



Streamflow Forecast and Reservoir Projections – January 1, 2024

Streamflow Forecast (Jan 1 – May 31)

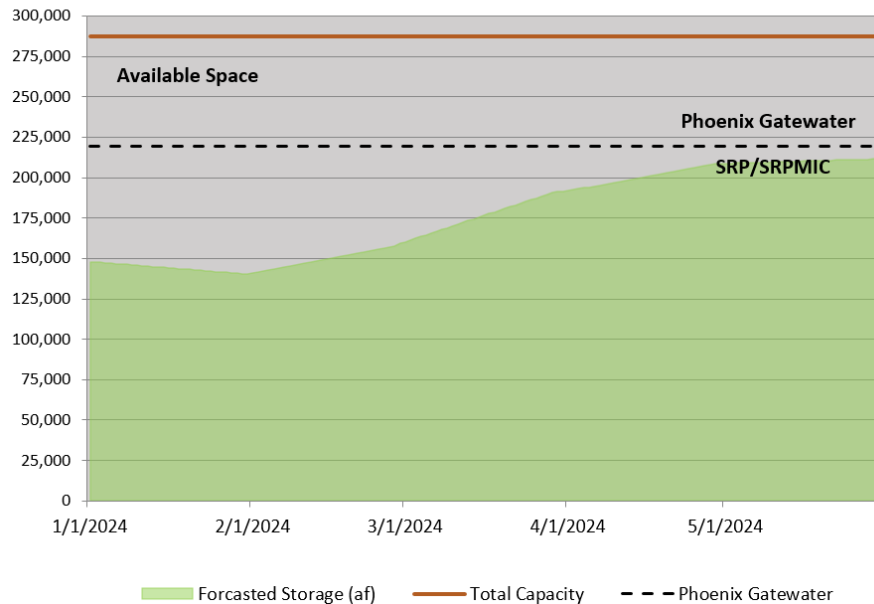
540 KAF (119% of median) - STV

Reservoir Projections by May 1

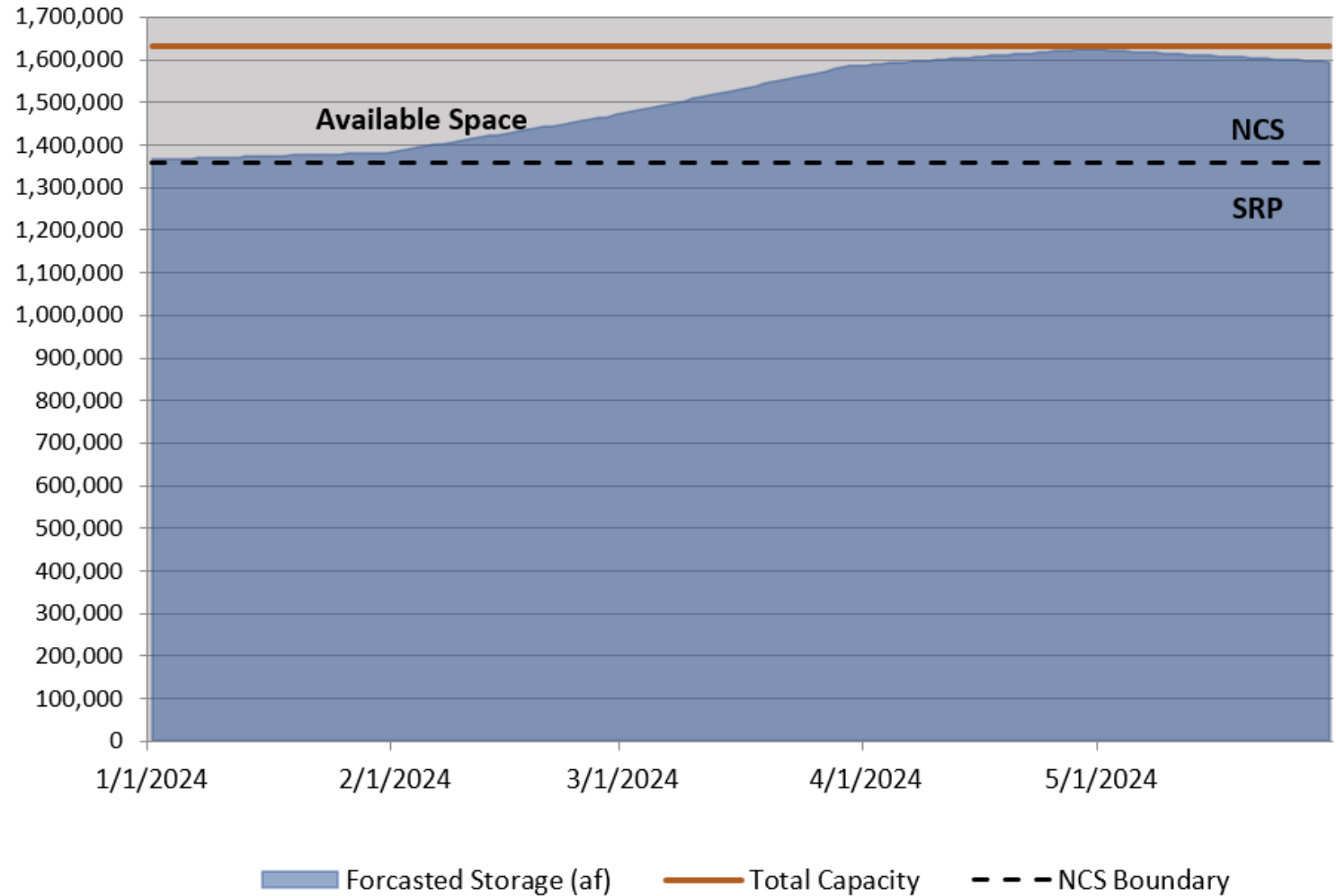
Roosevelt – 1,623 KAF (99%) 2150'

Verde – 210 KAF (73%)

January 1, 2024 - Forecasted Verde System Storage

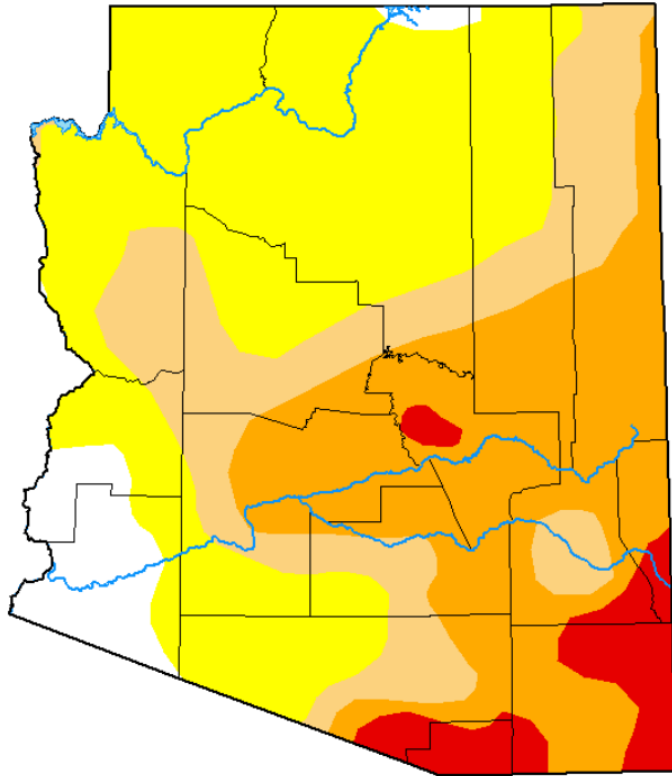


January 1, 2024 - Forecasted Roosevelt Reservoir Storage

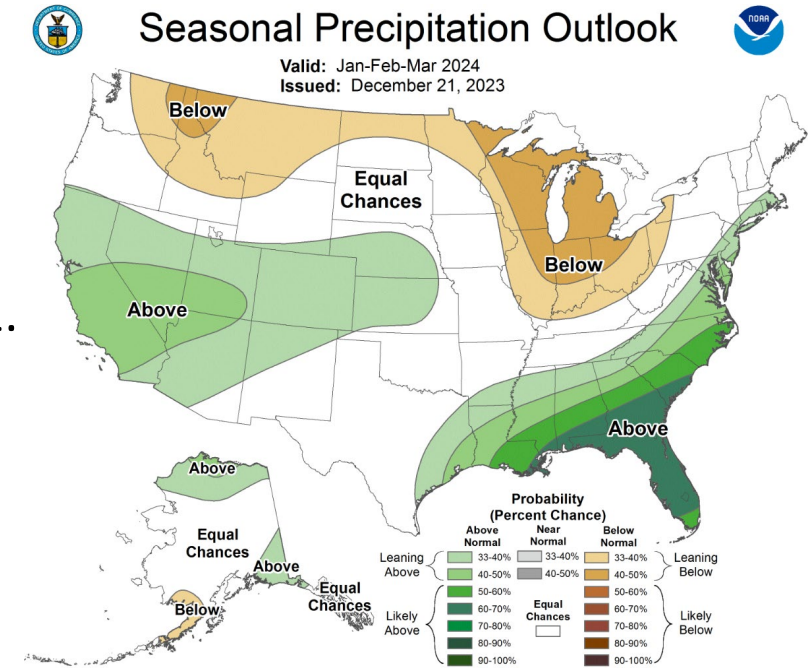


Salt/Verde Watershed & SRP Reservoirs Summary

U.S. Drought Monitor
Arizona
 January 2, 2024



- Fall 2023 continued to be dry and streamflow was below median. Little to no streamflow response from December storms indicate drier conditions remain currently
- Total SRP Surface Water Supply is currently in good condition at 81% total storage capacity as of January 2.
- Snowpack is currently below normal across Salt and Verde Watershed with slight improvements in January.
- Forecast Winter Runoff Season Streamflow is near median at 540,000 AF (Jan 1 – May 31).



Questions?

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