

An aerial photograph of a large concrete dam situated in a deep, rugged canyon. The canyon walls are composed of layered, reddish-brown rock. The water behind the dam is a deep blue. The sky is clear and light blue. The text is overlaid on the upper and middle portions of the image.

Salt River Project Initiatives

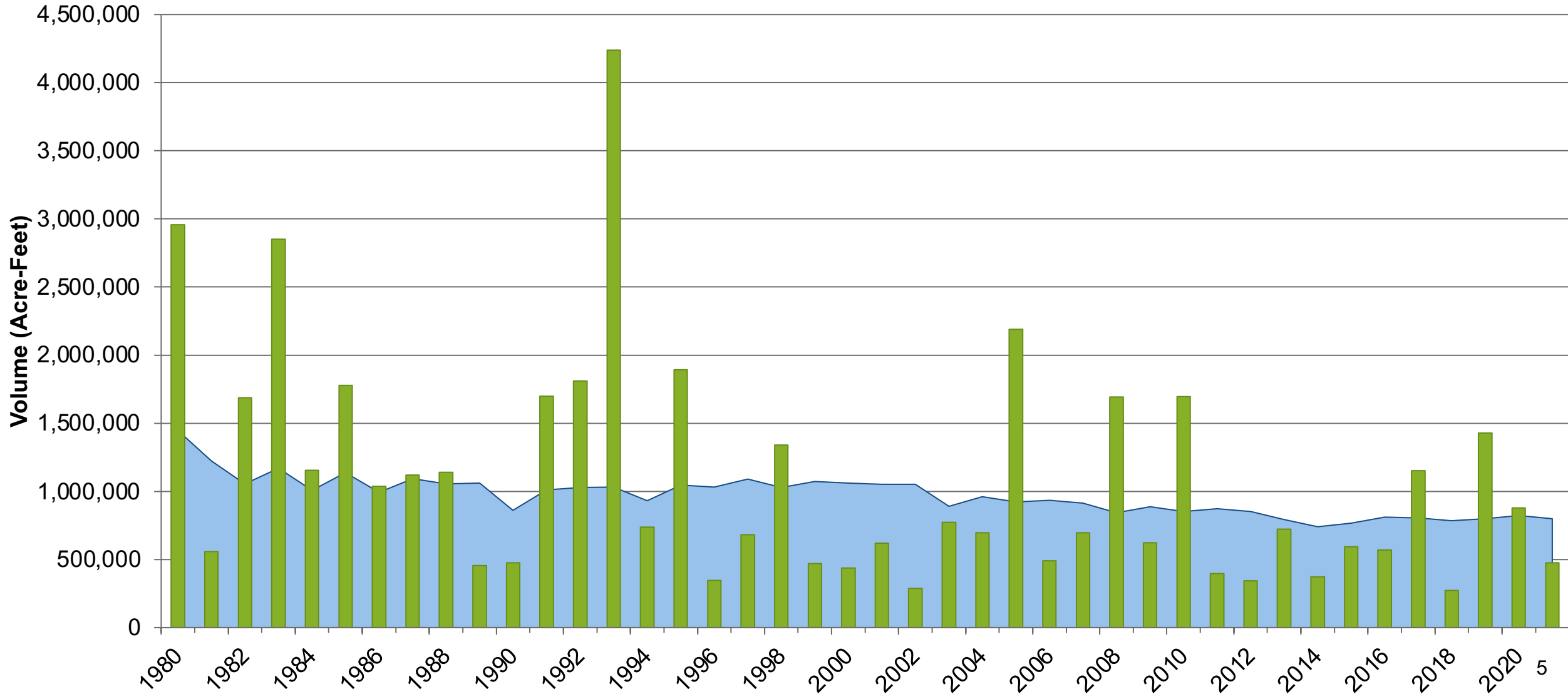
WRRC Annual Conference

March 12, 2024

Modification of Bartlett Dam Project

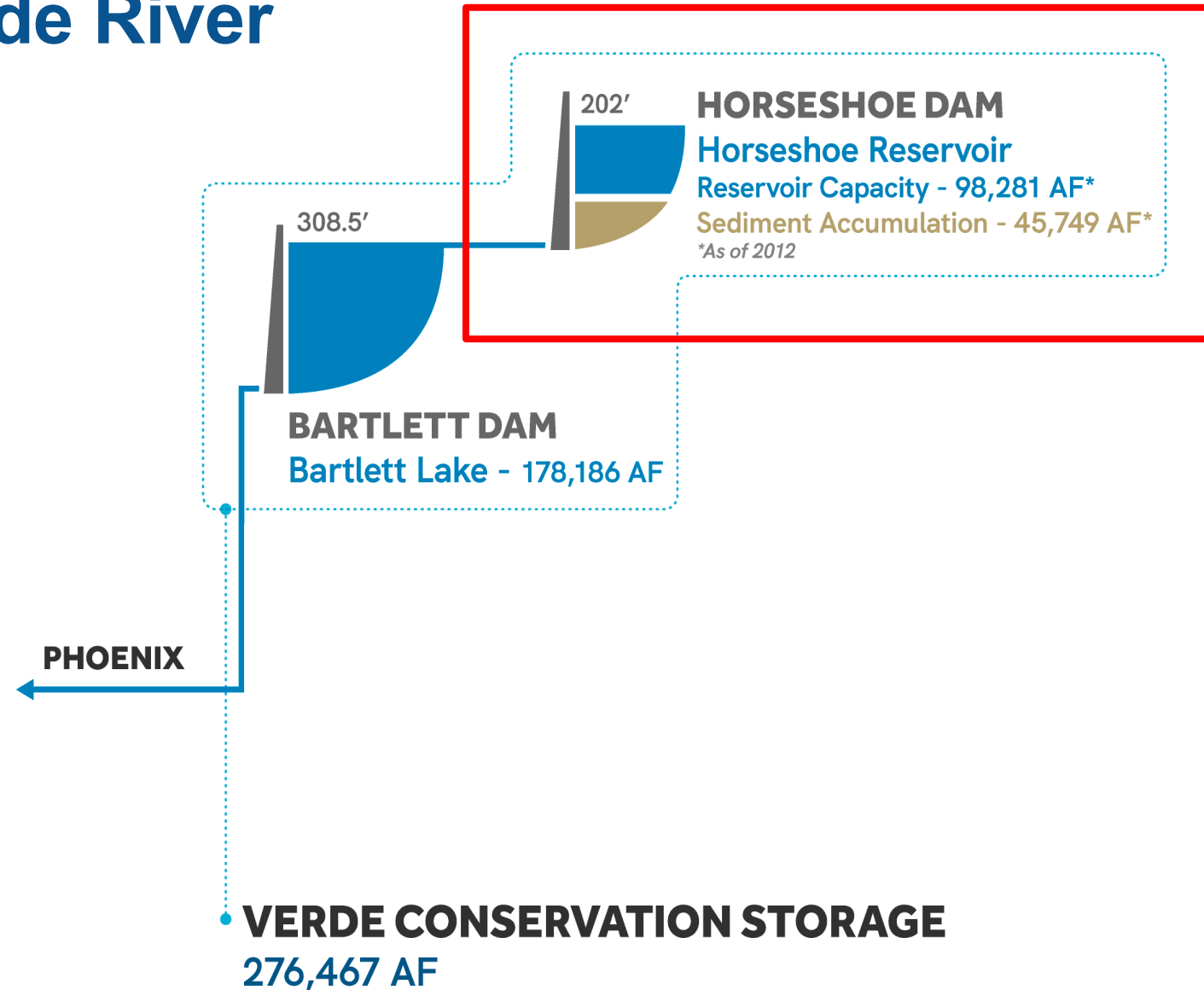
Hannah Hansen, Water Planning Analyst

Creating Resiliency from Variability

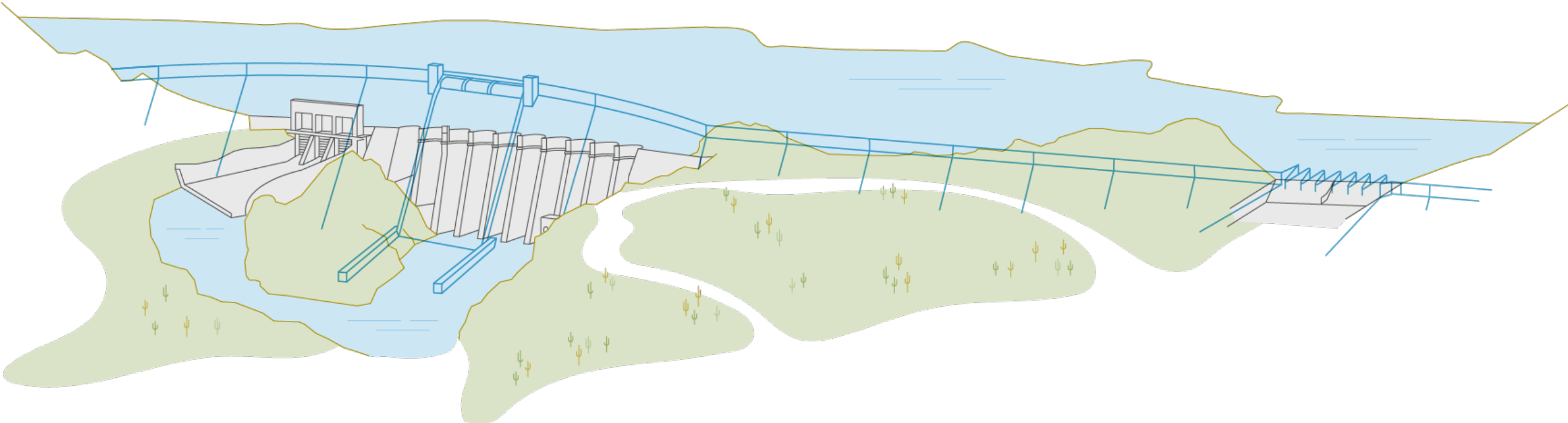


Sedimentation on the Verde River

- Horseshoe Reservoir has lost ~40% of original storage capacity since completion in 1946
- Address lost capacity by increasing storage at Bartlett Reservoir
- Create a new source of water for Central Arizona water users



Modified Bartlett Dam Proposal



Bartlett Dam Modification Feasibility Study Partners

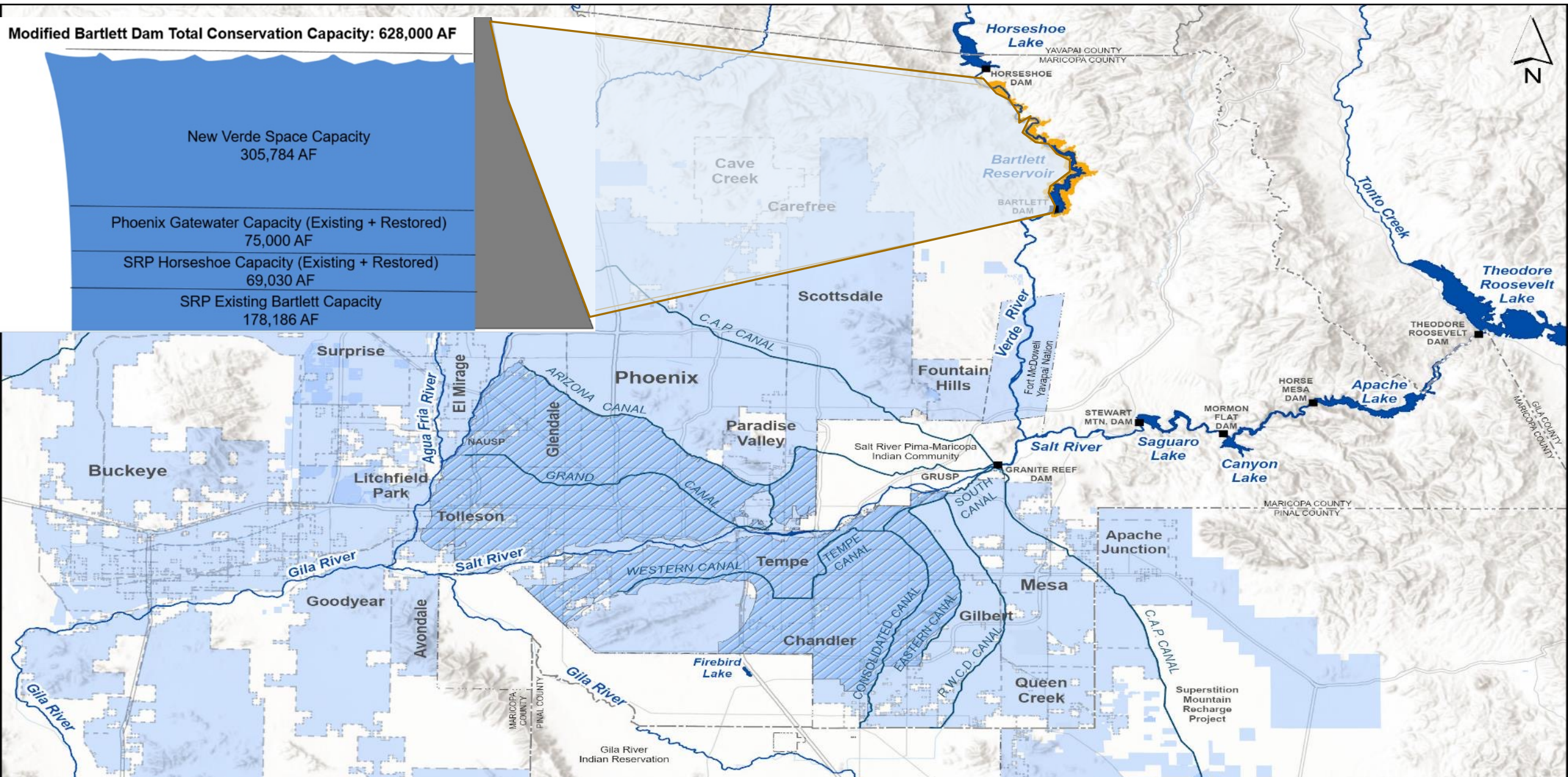
Modified Bartlett Dam Total Conservation Capacity: 628,000 AF

New Verde Space Capacity
305,784 AF

Phoenix Gateway Capacity (Existing + Restored)
75,000 AF

SRP Horseshoe Capacity (Existing + Restored)
69,030 AF

SRP Existing Bartlett Capacity
178,186 AF



Verde River Water Yield with Modified Bartlett Dam (climate adjusted)

