AQUIFER STORAGE AND RECOVERY - ANNUAL UPDATE

PRESENTED BY:

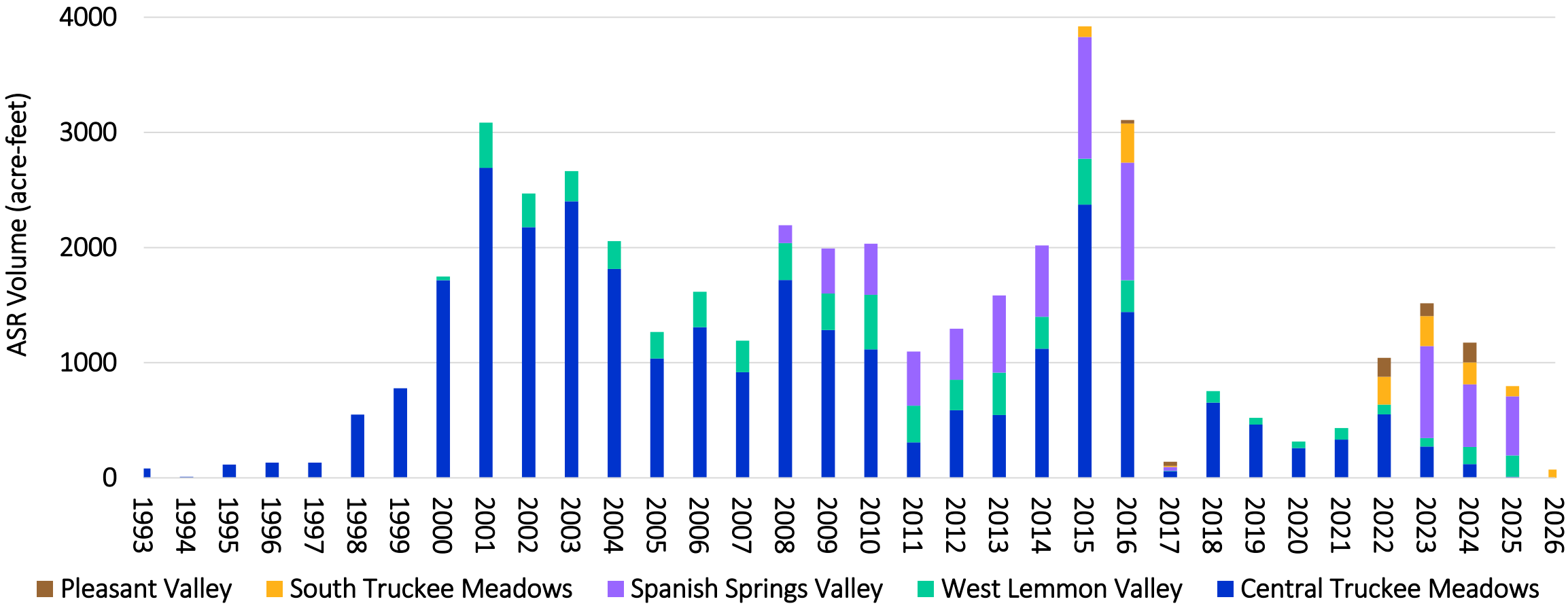
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Quality. Delivered.

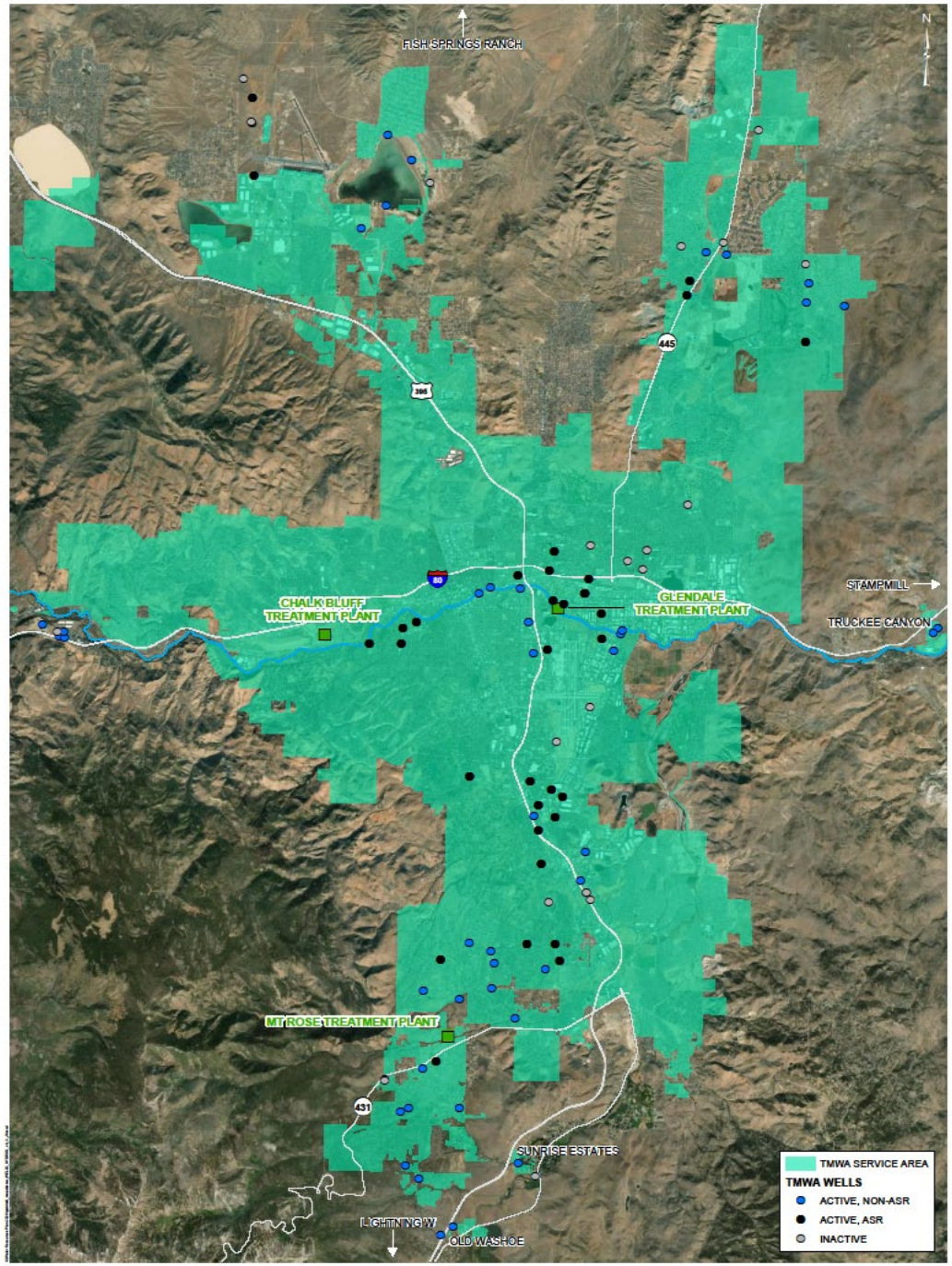
Cumulative ASR Recharge Volume by Hydrographic Basin (43,907 AF Total)



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ASR at TMWA

- ASR remains a critical component of TMWA's water resource strategy.
- Active and passive recharge continue to support groundwater management objectives.
- Current ASR capacity is 1,000-2,000 AF/Year with long term target of 5,500 AF/year including future recharge with APWF at American Flat.



Current and Future ASR

- Since 2017, recharge operations have shifted from maximizing volume to **targeted recharge** in **specific locations** based on:
  - Groundwater conditions
  - Water quality objectives
  - Drought considerations
  - Well condition
  - NDEP regulations

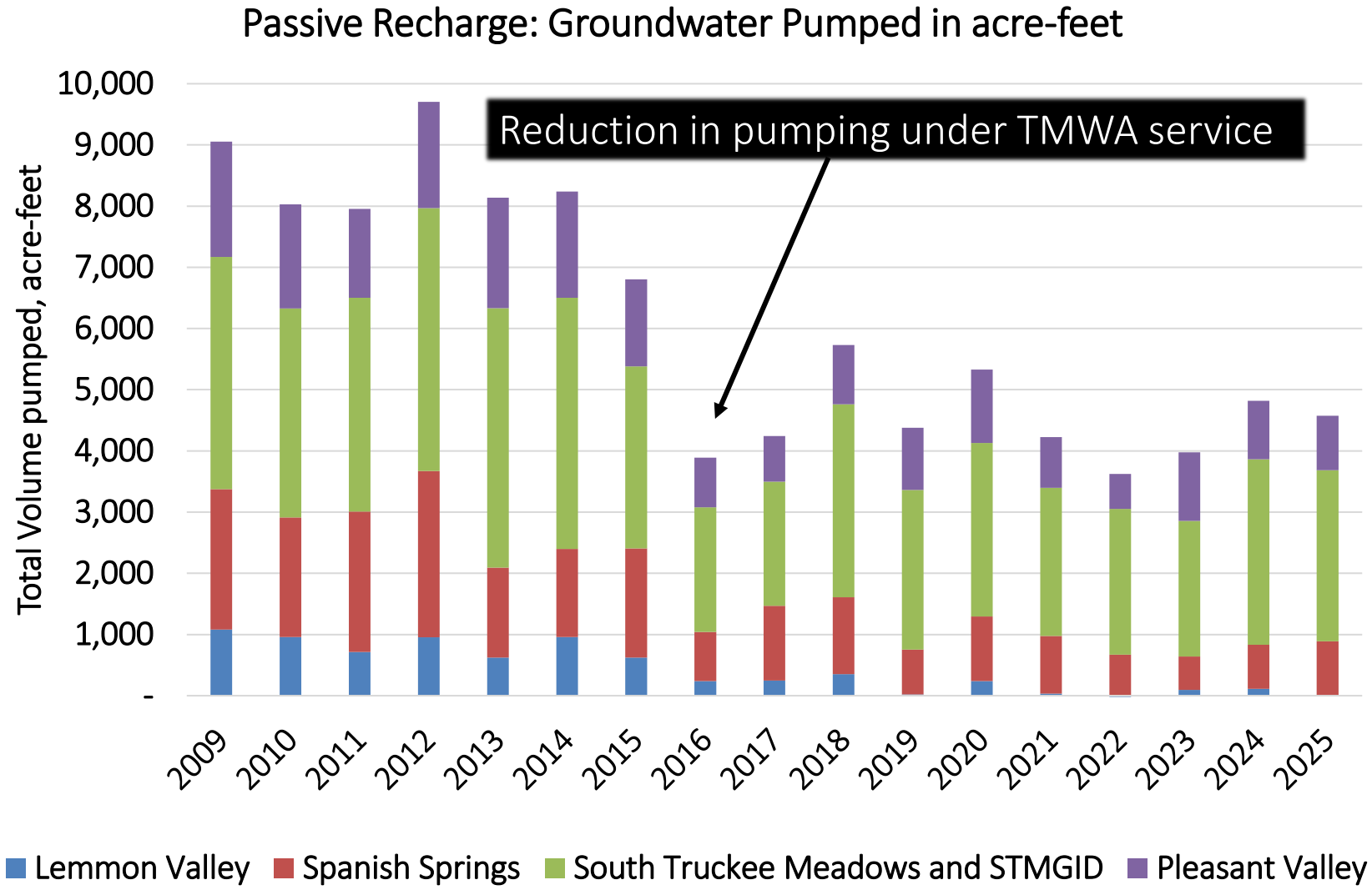
- Outages and repairs in the system can affect the ability to recharge.

- Research and infrastructure improvements are **expected to increase operational flexibility** and **expand ASR capacity.**

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Passive Recharge

The expansion of surface water infrastructure into areas previously reliant on groundwater have reduced overall pumping.



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Thank you!

Questions?

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