











# Town of Queen Creek Assured Water Supply Presentation & Update

**Town Council Regular Meeting** 

July 19, 2023











# ARIZONA DEPARTMENT OF WATER RESOURCES

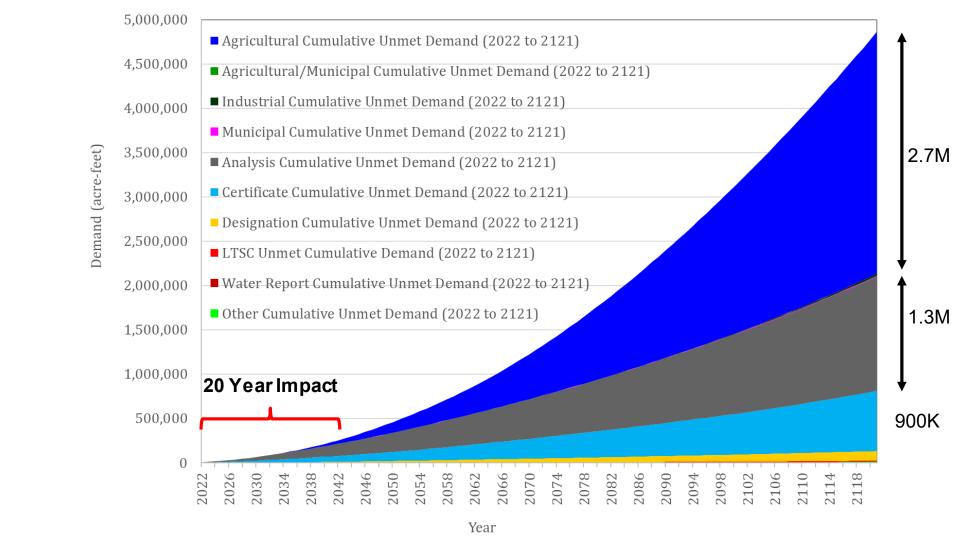
**Technical Memorandum** 

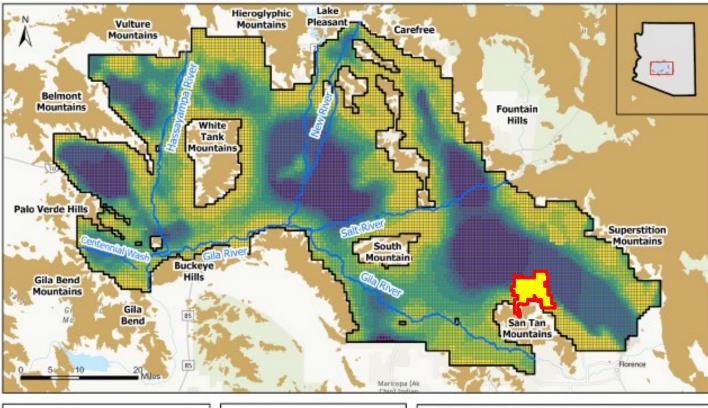
Phoenix AMA

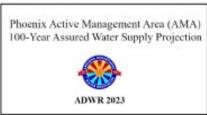
100-Year Assured Water Supply Projection

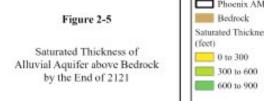
Groundwater Modeling Section
Hydrology Division

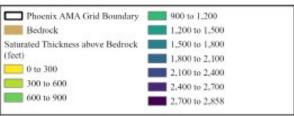
June 2023

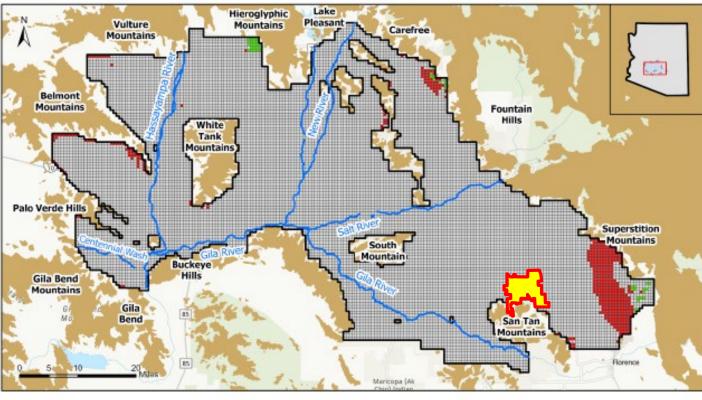


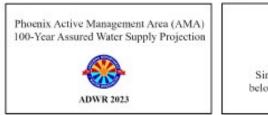


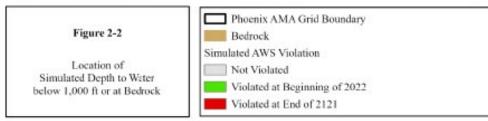


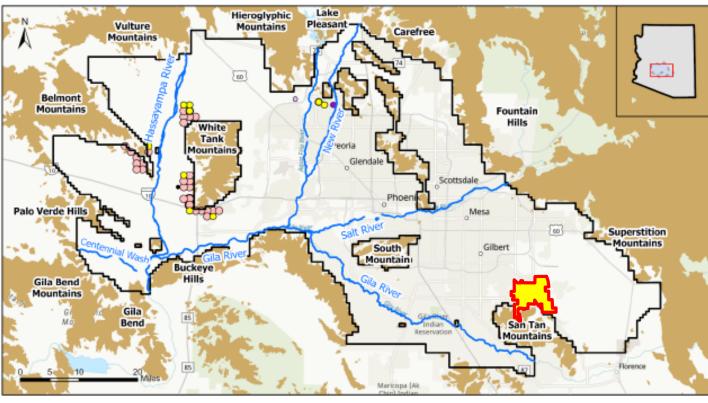




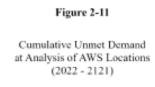


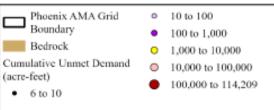


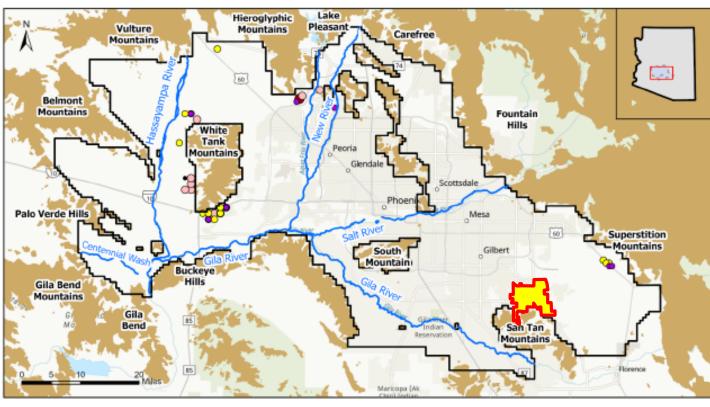




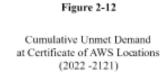


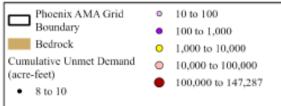


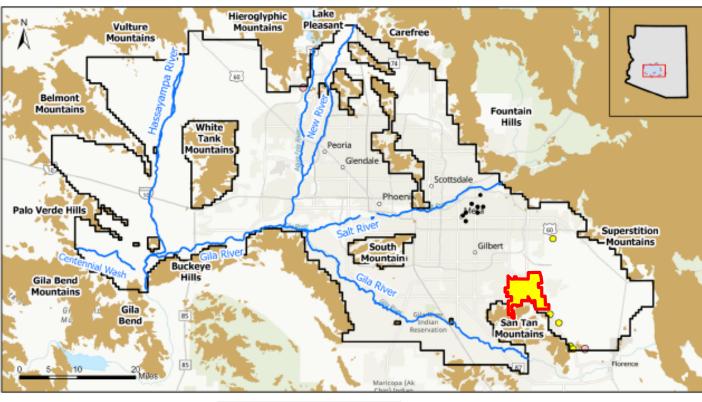


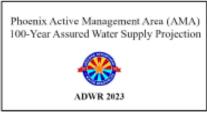


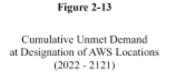


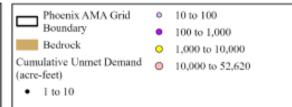






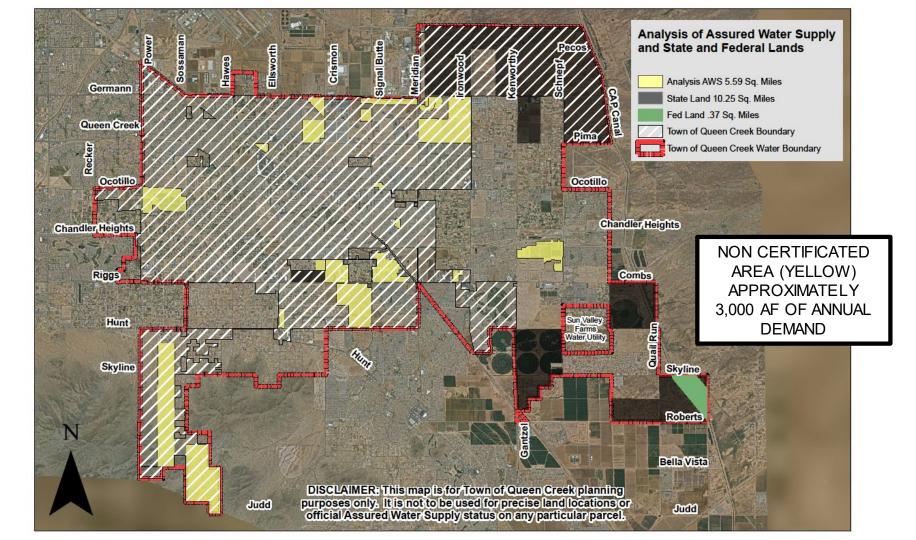








### QUEEN CREEK WATER SERVICE AREA IMPACT





# WHAT HAS QUEEN CREEK BEEN DOING





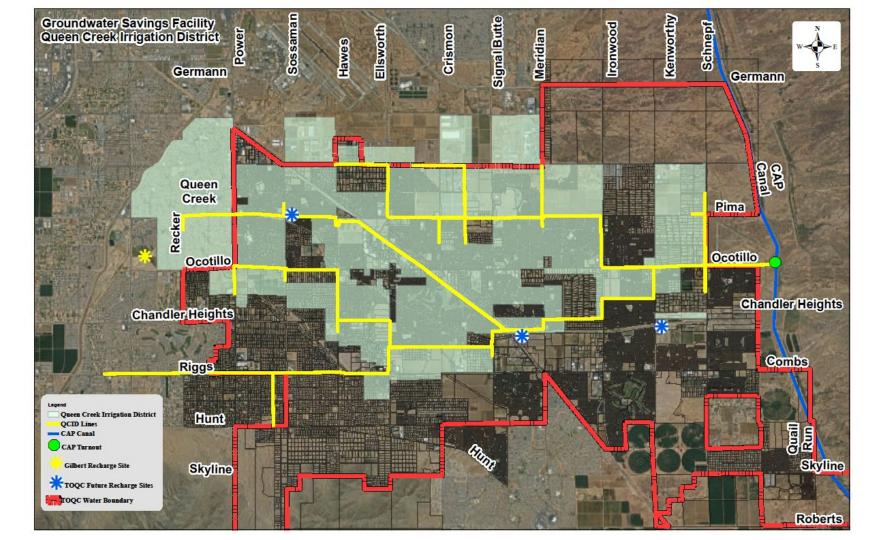


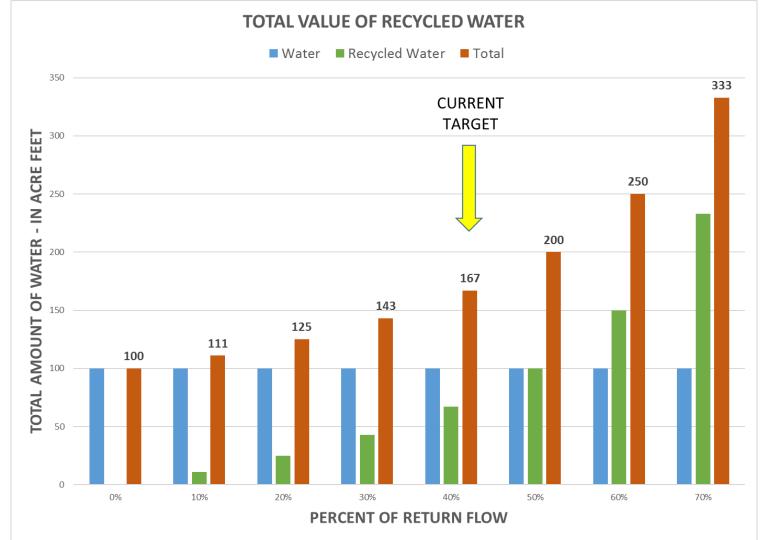


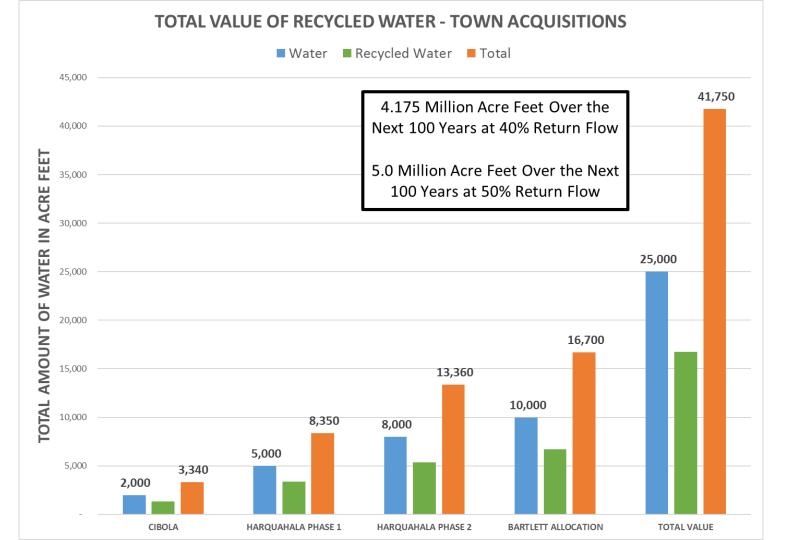


- Reuse and Recharge of Treated Water
- Acquisition of Non-Groundwater Sources

Diversification of Water Sources









#### Phoenix AMA Groundwater Model

June 2, 2023

If you are on the webinar, please have microphones on mute.

At the end of the meeting, we will take questions.

If you are online, please submit a question via the online comment form available in the chat.

# Key Takeaways (1)

- AWS Program is working as intended
  - We have time to make water management decisions
  - This is an inflection point
- Projected future outflows exceed projected future inflows by a factor of 1.4
- At the end of 100 years, depth to water in areas near the edges of the groundwater basin is projected to exceed 1,000 ft or hit bedrock
- Unmet demand in existing and AWS wells is projected to be 4.9 MAF over the 100-year period (4% of total demand)

6/2/2023 20

# Key Takeaways (2)

- Existing homes built pursuant to the AWS program have secure water supplies
- Significant volumes of groundwater and other water supplies are available for continued growth
- Water providers in the Phoenix AMA have diverse water supplies and are not solely reliant on groundwater
- People are not running out of water

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