



# **Central Arizona Groundwater Replenishment District (CAGRD)**

Lisa Atkins, CAWCD Board Member

Laura Grignano, CAGRD Manager

# Introduction to CAP: Central Arizona Groundwater Replenishment District (CAGRD)

- What is CAGRD?
- Relationship to CAP
- Importance of Groundwater Replenishment
- How does CAGRD work?
- Who are its Members?
- Plan of Operation
- CAGRD's Future Focus



# What is CAGRD?



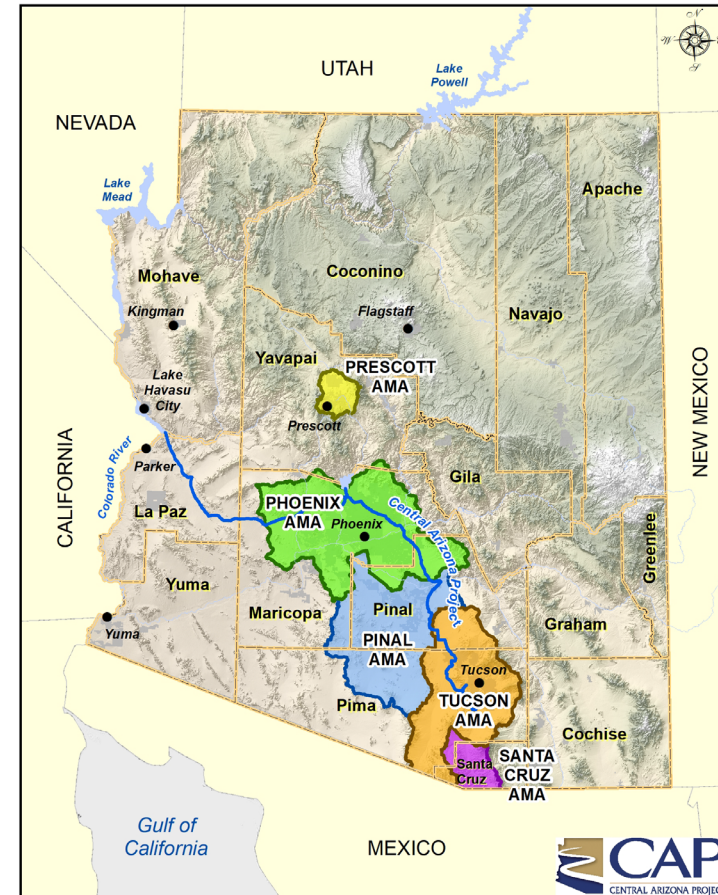
- **CAGRD** was created in the mid 1990s to help water providers and landowners comply with Arizona's groundwater management laws
- CAGRD plays an important role in Central Arizona's groundwater management by replenishing groundwater pumped by its members



# Arizona Groundwater Management

**1980** - Arizona passed the **Groundwater Management Act**, one of the most comprehensive set of groundwater laws in the country

- Regulated groundwater pumping in the most populated areas including Phoenix, Tucson, and Pinal
- Created the **Assured Water Supply Program**





# CAGRD's Relationship to CAP

- Not a separate entity – a special function of CAP
- Governed by the CAWCD Board of Directors and serves members in Maricopa, Pima & Pinal counties
- Financially separate – funded solely by members



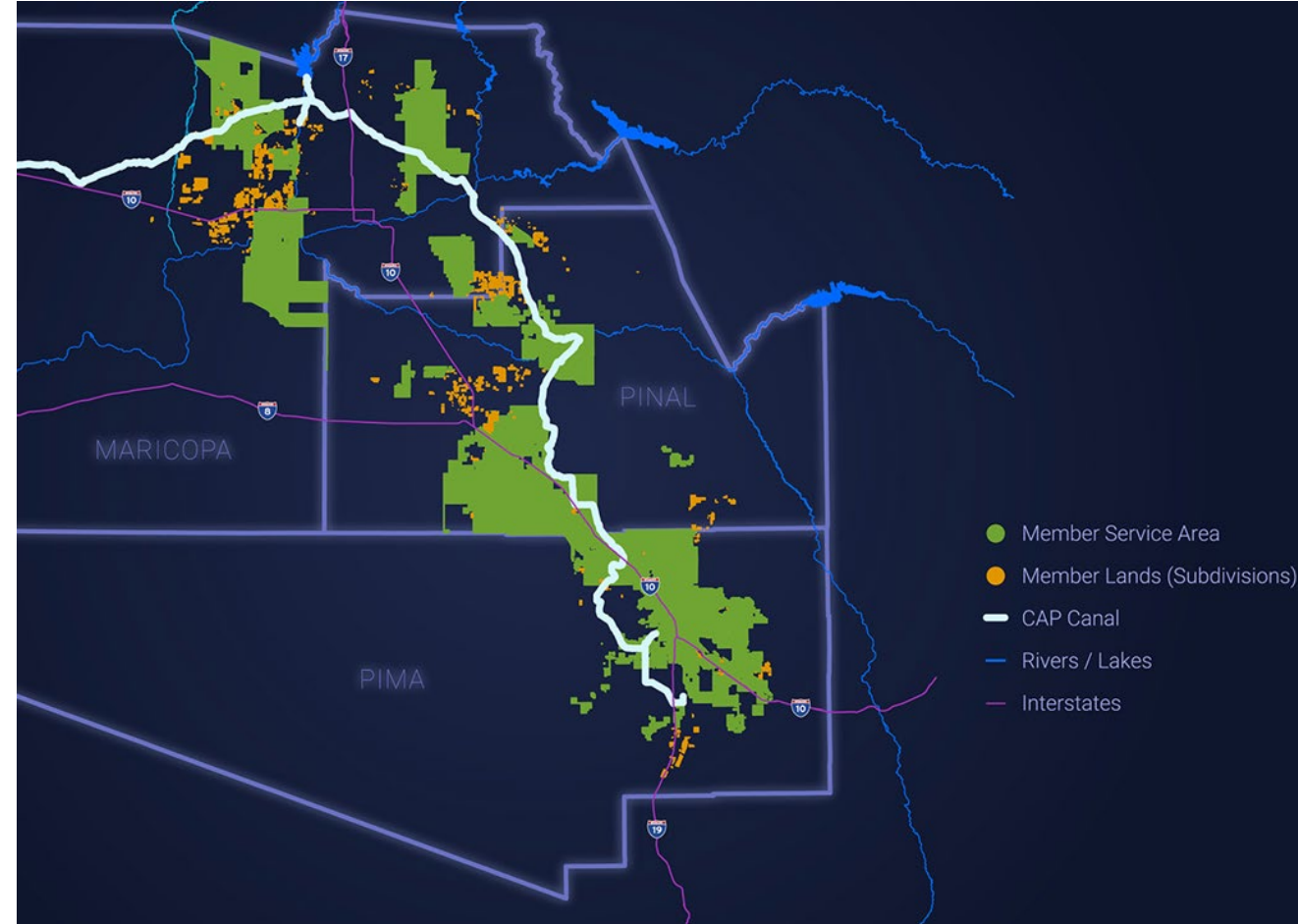
Superstition Mountains Recharge

Canal at Norterra Bridge

# Who joins CAGRD?

Two types of members:

- **Member Service Areas**
  - City, town or private water company
  - Currently 23 enrolled Member Service Areas
- **Member Lands**
  - Subdivisions
  - Over 1,200 enrolled Member Lands





# Groundwater Replenishment

- Aquifers are layers of sand and gravel beneath the ground and contain groundwater
- CAGRDR replenishes aquifers through process of recharge
- It can also send water to farms who would have otherwise pumped groundwater



Hieroglyphic Mountains Recharge

# CAGRD Water Supplies

CAGRD's water portfolio includes:

- CAP allocation
- Effluent (recycled water)
- Leased CAP water
- Stored water





# CAGRD Plan of Operation

- CAGRD operates under a 10-year Plan of Operation
- All plans have been developed with public input and have been approved by the ADWR
- Describes the projected obligations and water supplies for the next 100 years



# CAGRD is Looking to the Future

- Development - 2025 Plan of Operation
- Participate on the **Water Use It Wisely** Steering Committee
- Incentivize water efficient homebuilding in CAGRD



# CAGRD: Key Take-Aways

## CAGRD:

- Plays an important role in Central Arizona's groundwater management by replenishing groundwater pumped by its members
- Is governed by the CAWCD Board of Directors and serves members in Maricopa, Pima & Pinal counties
- Replenishes groundwater through a process called recharge, which involves sending water to basins, where the water percolates through the soil to an aquifer, or to farms
- Is funded solely by its members





# Thank you!

Email Questions to:

**CAPUniversity@cap-az.com**

Keep in touch by subscribing at [www.knowyourwaternews.com](http://www.knowyourwaternews.com) and by following us on Facebook, Twitter, LinkedIn and Instagram!