

Fannin County Water Supply Agency Presentation

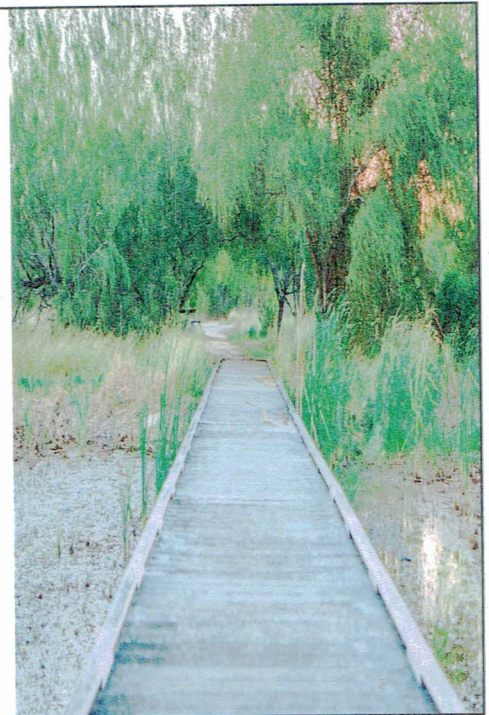
May 22, 2025

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WATER PLANNING IN TEXAS

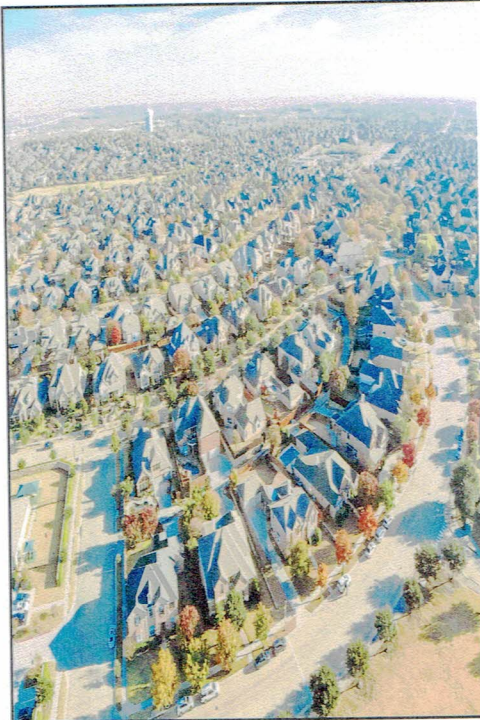
WHAT IS IT?

- ~\$6 billion in economic losses in 1996 due to severe drought conditions
- Passage of Senate Bills 1 & 2 in 1997 and 2001 which established regional water planning
- 16 regional water planning areas created by the Texas Water Development Board (TWDB)
- Grass-roots bottom-up approach to plan for future water needs



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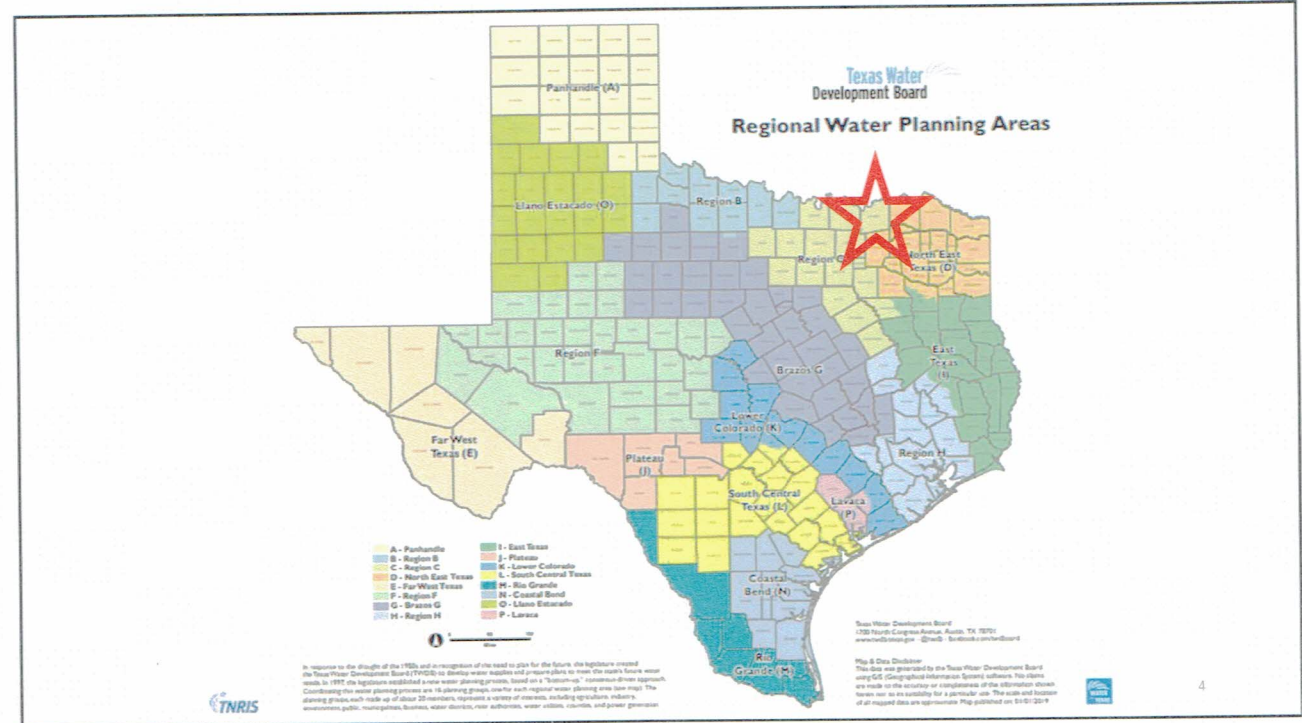
FUNDAMENTALS OF WATER PLANNING

ENSURING A SECURE WATER FUTURE FOR TEXAS AND ITS CITIZENS

- Goal is to meet drought of record water needs
- 50-year planning horizon, 5-year planning cycle
 - 2026 Water Plans plan for 2030 – 2080
 - 2026 Plan due in October 2025
- Water User Groups (WUG): municipal, manufacturing, mining, irrigation, livestock, and steam-electric power
- Water Management Strategy (WMS) = a plan to meet a need for additional water for a WUG

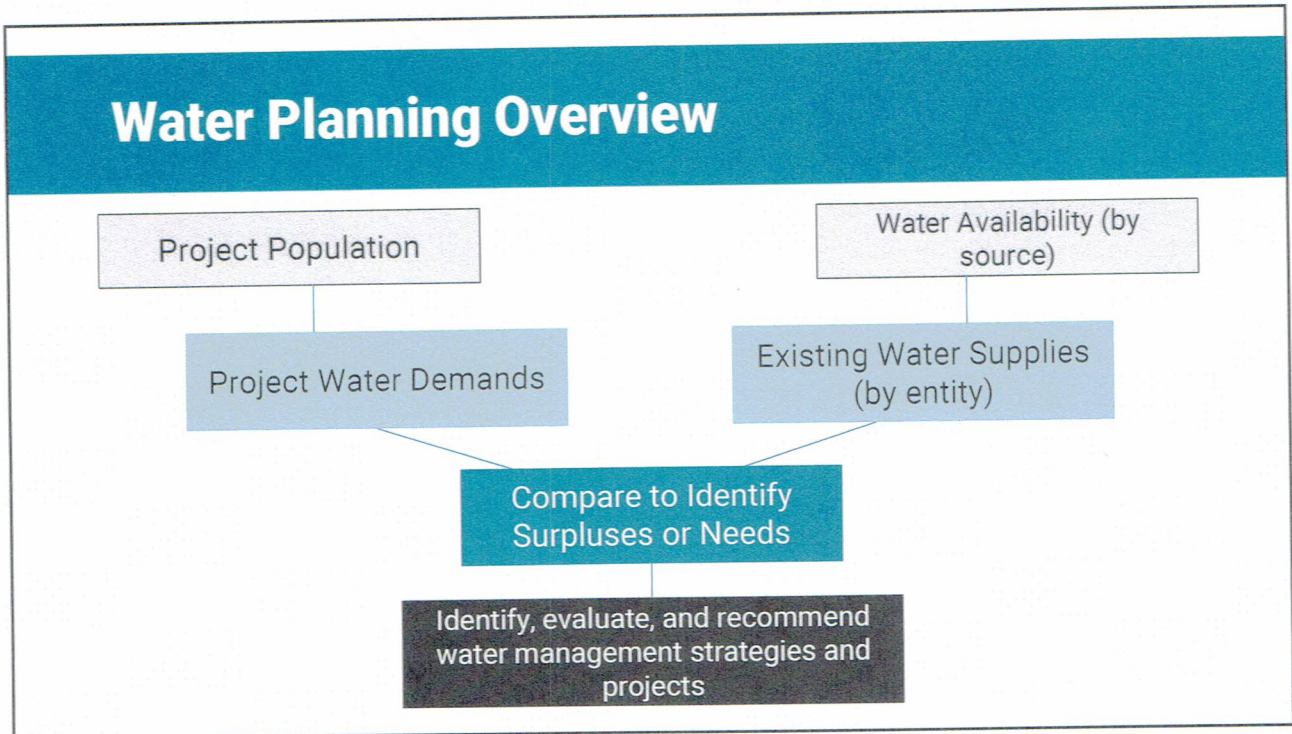
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REGION C WATER PLANNING GROUP

DIRECTS THE DEVELOPMENT OF THE REGION C WATER PLAN

- Trinity River Authority is the Political Subdivision
- 23 voting members
- Represent 12 interest groups
- Website: <https://regioncwater.org/>

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OVERVIEW OF INITIALLY PREPARED PLAN

- Region C Initially Prepared Plan
 - Volume I: 10 Chapters
 - Volume II: Appendices
- Available for review at:
 - County Clerk offices
 - 1 public library in each county
 - <https://regioncwater.org/>
 - <https://www.twdb.texas.gov/waterplanning>

Chapters

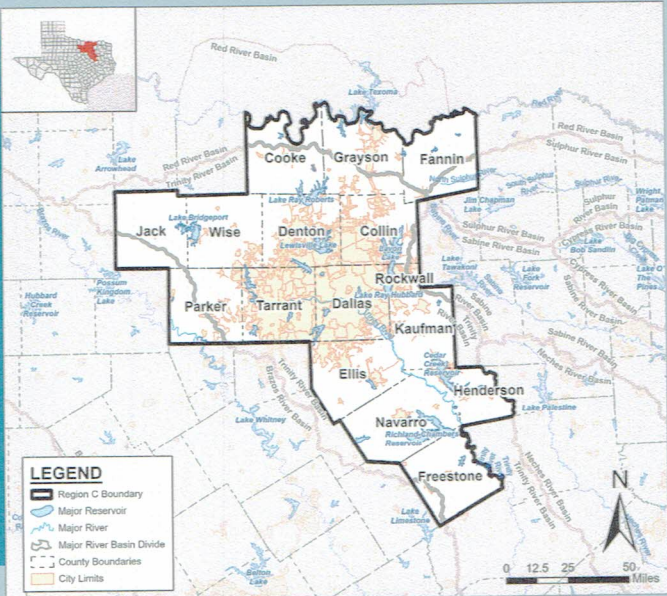
1. Description of Region C
2. Population and Water Demand Projections
3. Analysis of Water Supply
4. Water Needed
5. Water Management Strategies
6. Impacts of Region C Plan
7. Drought Response
8. Legislative Recommendations
9. Comparison to Previous Plan
10. Public Participation

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REGION C OVERVIEW

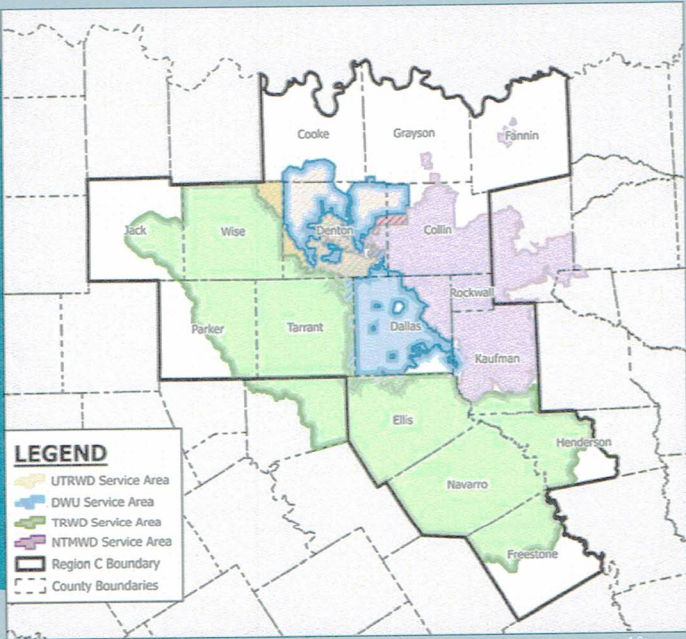
- 16 Counties
- 2021 Population: 7.7 million
- 26% of State's population
- 30% of State's economy
- 10% of State's water use
- 56 Cities with over 20,000 population
- 89% of Demand met by surface water

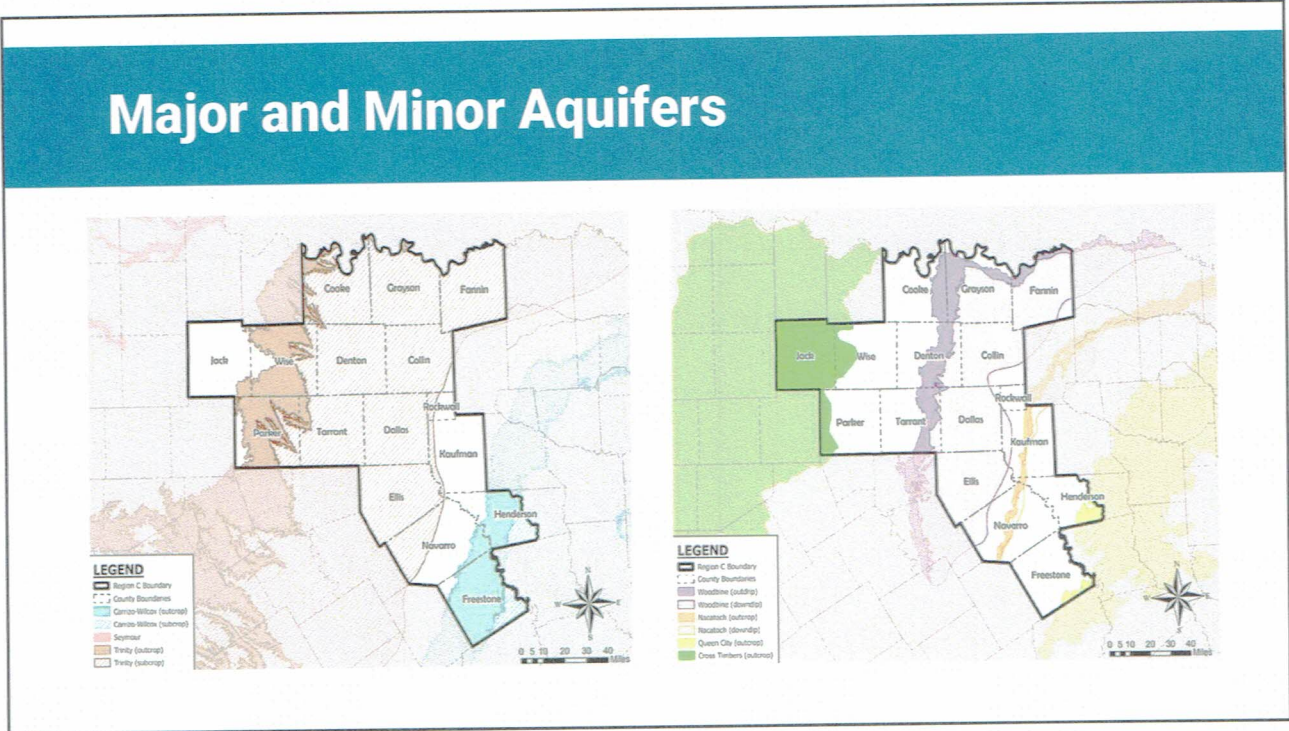


MAJOR WATER PROVIDERS

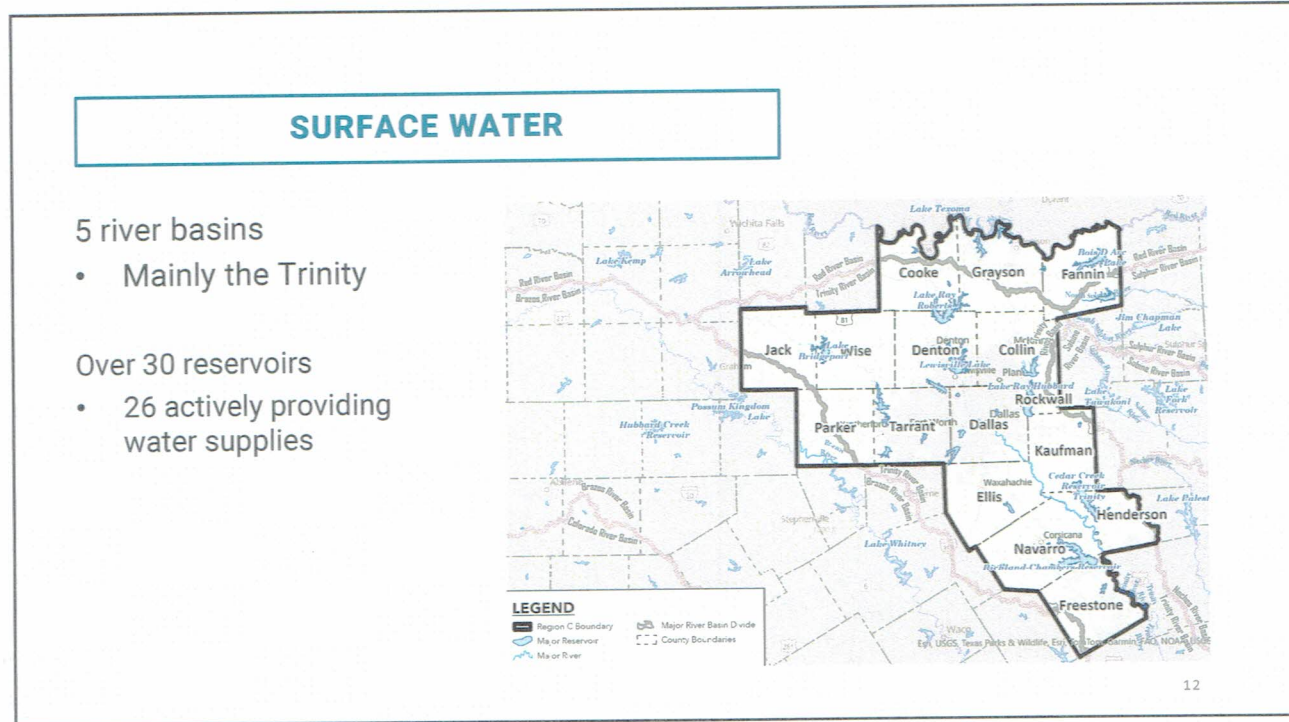
Four MWP's provide over 90% of Region C municipal demand:

- Tarrant Regional Water District
- Dallas Water Utilities
- North Texas Municipal Water District
- Upper Trinity Regional Water District





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Key Takeaways

- Region C is experiencing rapid growth that is outpacing current water supplies
 - Some providers are experiencing shortages today
- Conservation and reuse are an essential part of the solution but will not be able to meet the needs of the Region alone
- The water supply shortage can be solved but Region C will need to use water from other parts of the state
- The 2026 Region C IPP has unmet municipal water needs
 - Delays in project implementation can increase unmet needs
- The ability to develop new water supplies and meet future growth is critical to the State's economy

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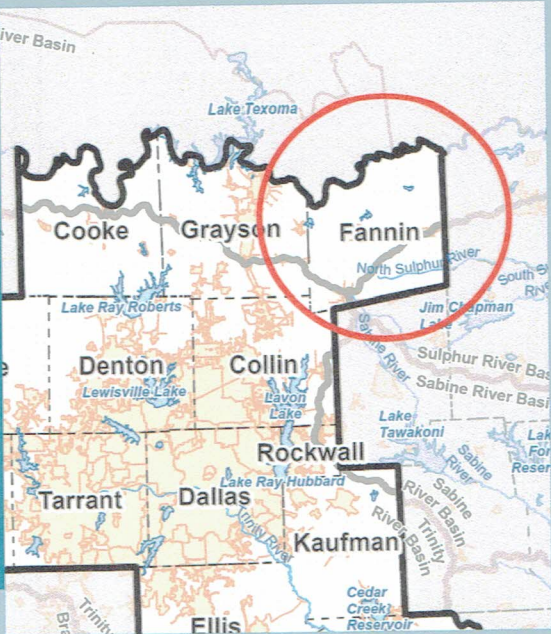
Overview of Region C 2026 Initially Prepared Plan: Fannin County



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FANNIN COUNTY OVERVIEW

- 2020 Population: 35,662
- Projected 2080 Population: 84,502
- Projected 2080 Demand: 26 MGD
- County Seat: Bonham
- Economy: Communications; agriculture; government/services; petroleum distribution; tourism; varied manufacturing
- River Basins: Trinity (5%), Red (72%), Sulphur (23%)



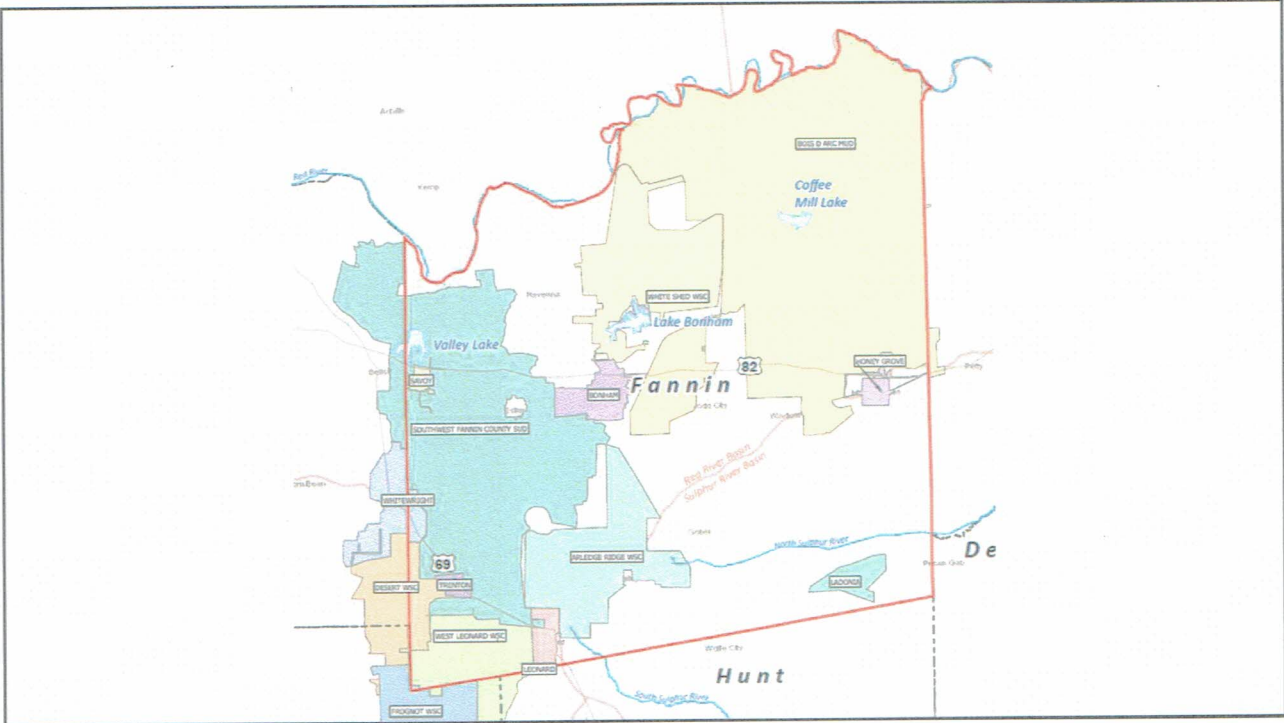
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Fannin County Water User Groups (WUGs)

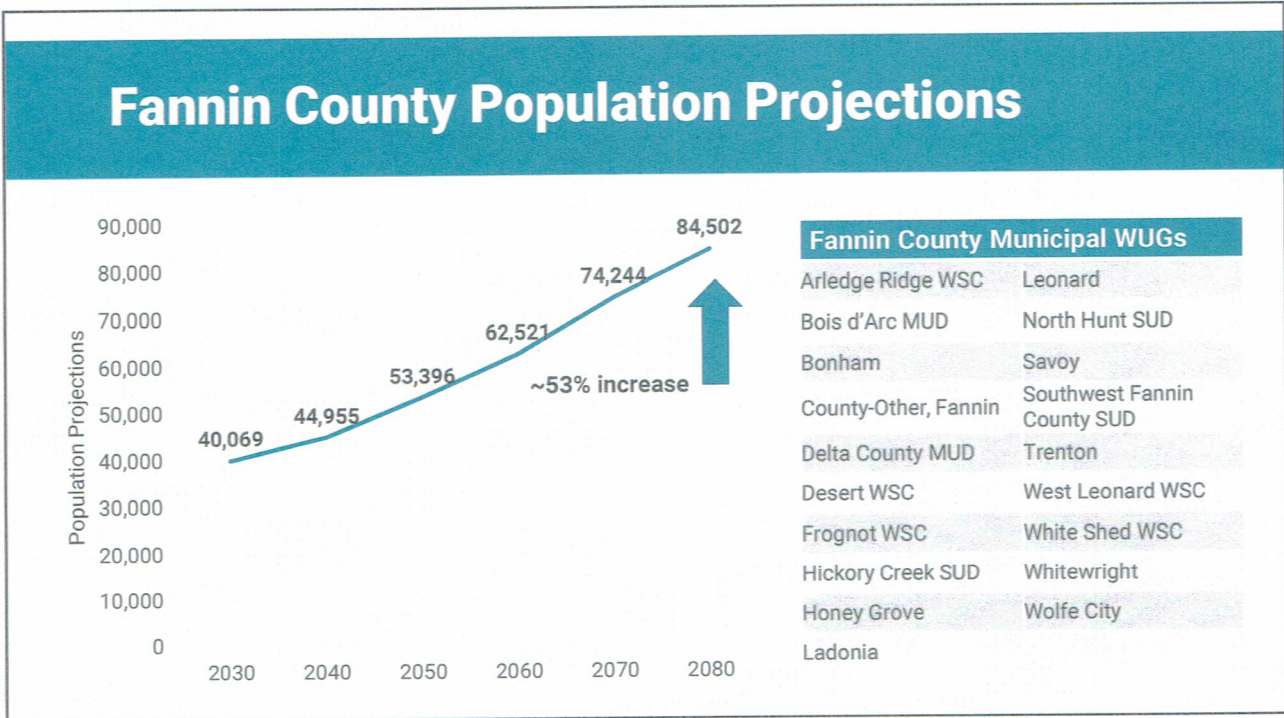
- Stand-alone municipal Water User Groups (WUGs) are defined in regional planning as water systems that provide more than 100 acre-feet of municipal water per year
- Remaining public water systems and self-supplied population is summarized as "County-Other"

Fannin County Municipal WUGs	
Arledge Ridge WSC	Leonard
Bois d’Arc MUD	North Hunt SUD
Bonham	Savoy
County-Other, Fannin	Southwest Fannin County SUD
Delta County MUD	Trenton
Desert WSC	West Leonard WSC
Frognot WSC	White Shed WSC
Hickory Creek SUD	Whitewright
Honey Grove	Wolfe City
Ladonia	

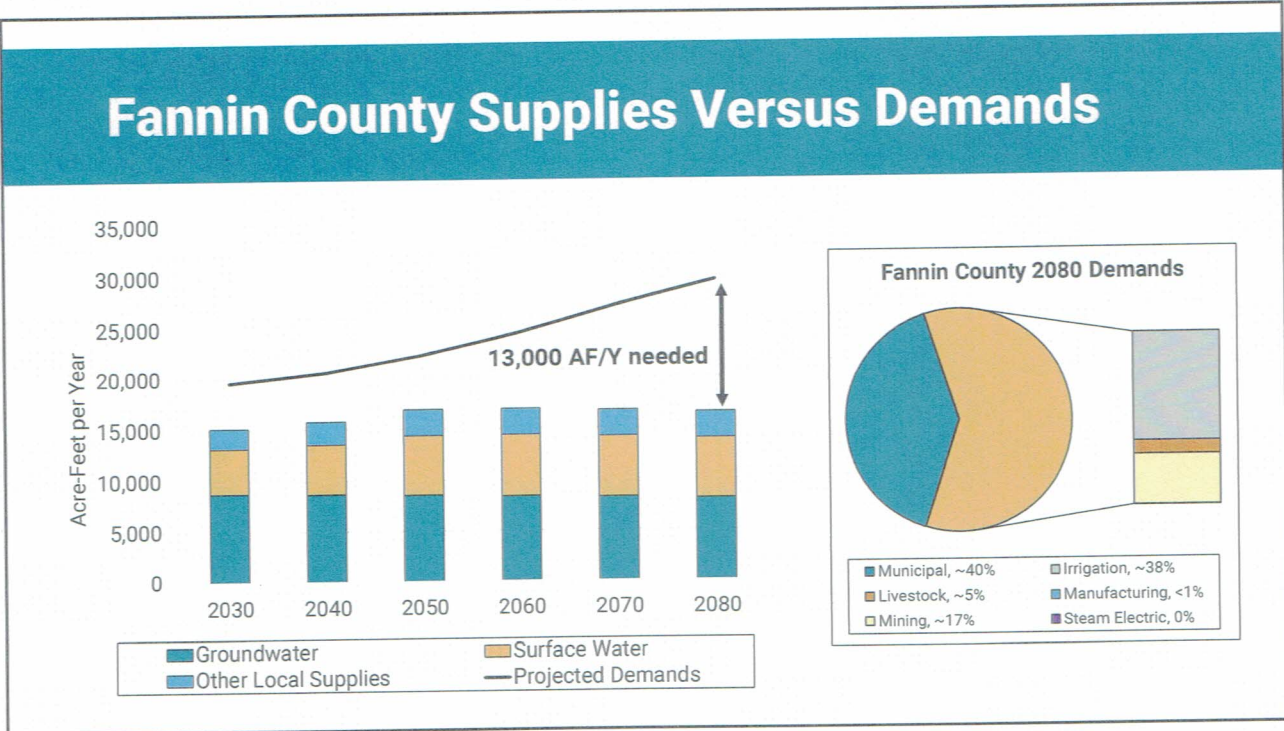
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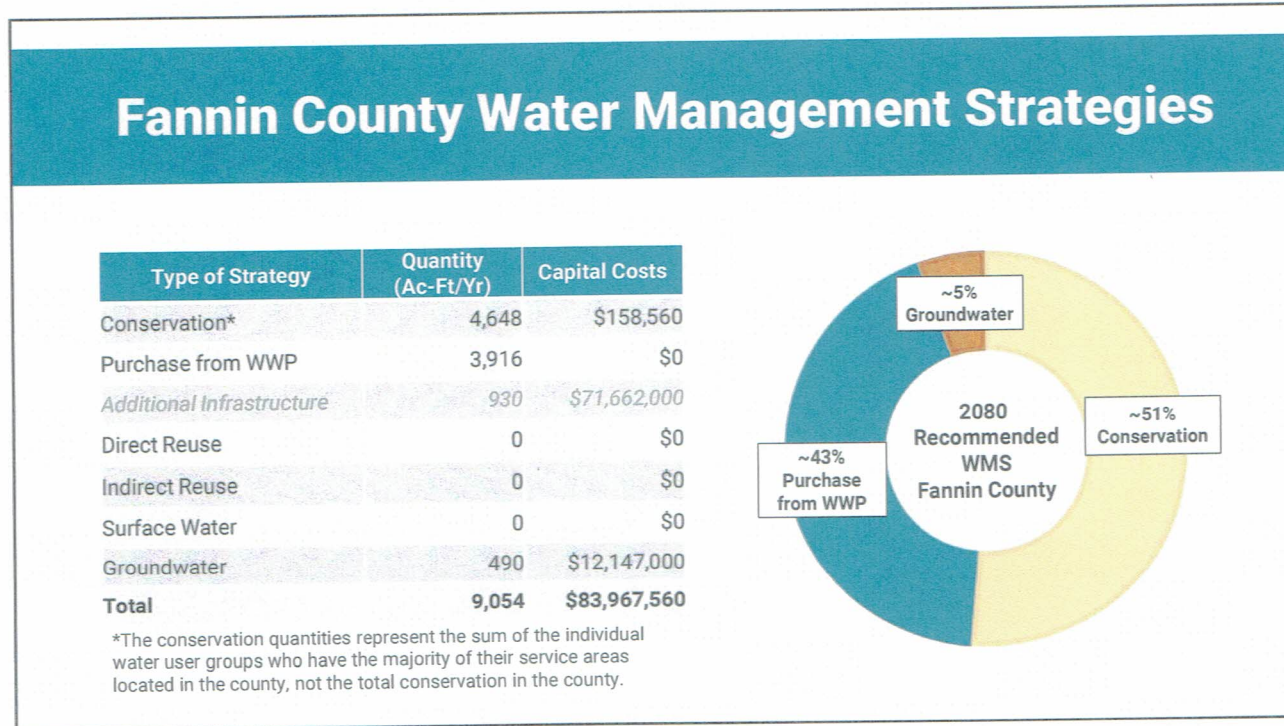
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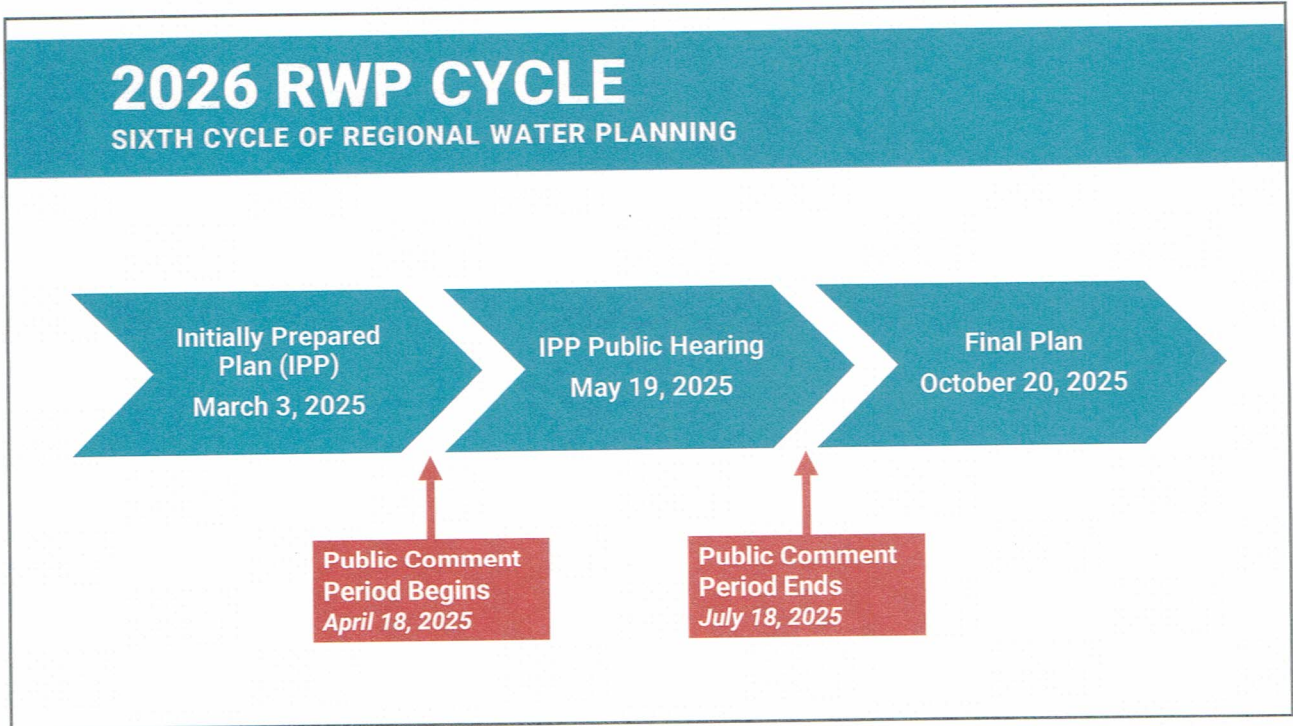
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Fannin County Water Supply Project

- Developed by Fannin County WUGs and NTMWD
- Provide a treated water supply system for Fannin County WUGs by 2040
- Supplies from Bois d’Arc Lake
- Supplies treated at the Leonard WTP and then conveyed through a pipeline to participating entities

Participating WUGs	
Bonham	Leonard
Bois d’Arc MUD	Southwest Fannin County SUD
County-Other, Fannin	Trenton (Alternative)
Honey Grove	

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