

| The 38th Annual Texas Environmental Superconference

Jackson Walker LLP

Water Issues

Lynn Sherman

August 6, 2026



WATER USE IN TEXAS BY SECTOR

SURFACE WATER

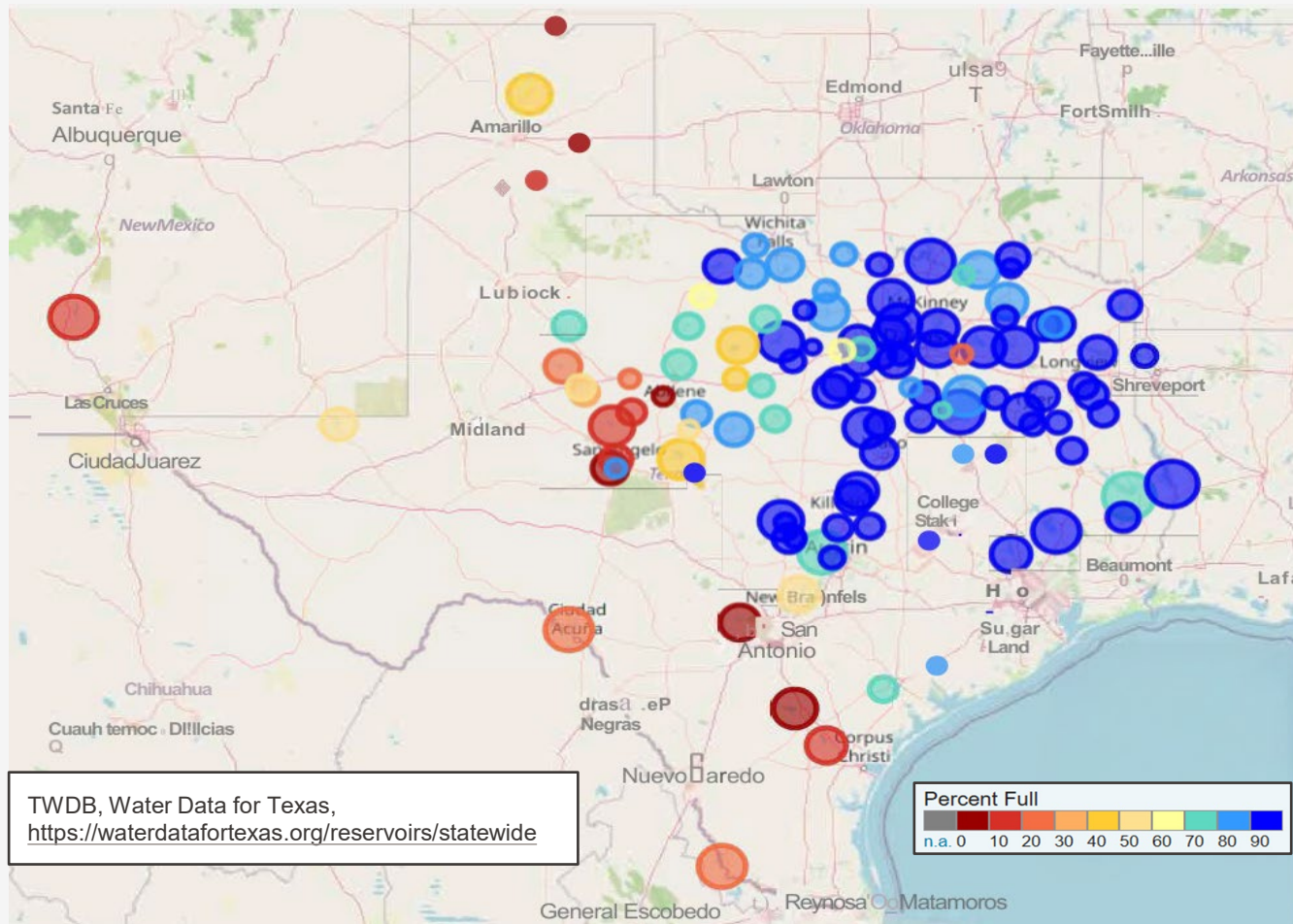
Sector	Annual Use	%
Irrigation	5,670,000 AF	32%
<i>Municipal</i>	<i>1,458,000 AF</i>	<i>46%</i>
<i>Manufacturing</i>	<i>162,000 AF</i>	<i>14%</i>
Mining	162,000 AF	1%
Livestock	162,000 AF	2%
Power	81,000 AF	5%

GROUNDWATER

Sector	Annual Use	%
Irrigation	5,670,000 AF	75%
<i>Municipal</i>	<i>1,458,000 AF</i>	<i>18%</i>
<i>Manufacturing</i>	<i>162,000 AF</i>	<i>2%</i>
Mining	162,000 AF	2%
Livestock	162,000 AF	2%
Power	81,000 AF	1%

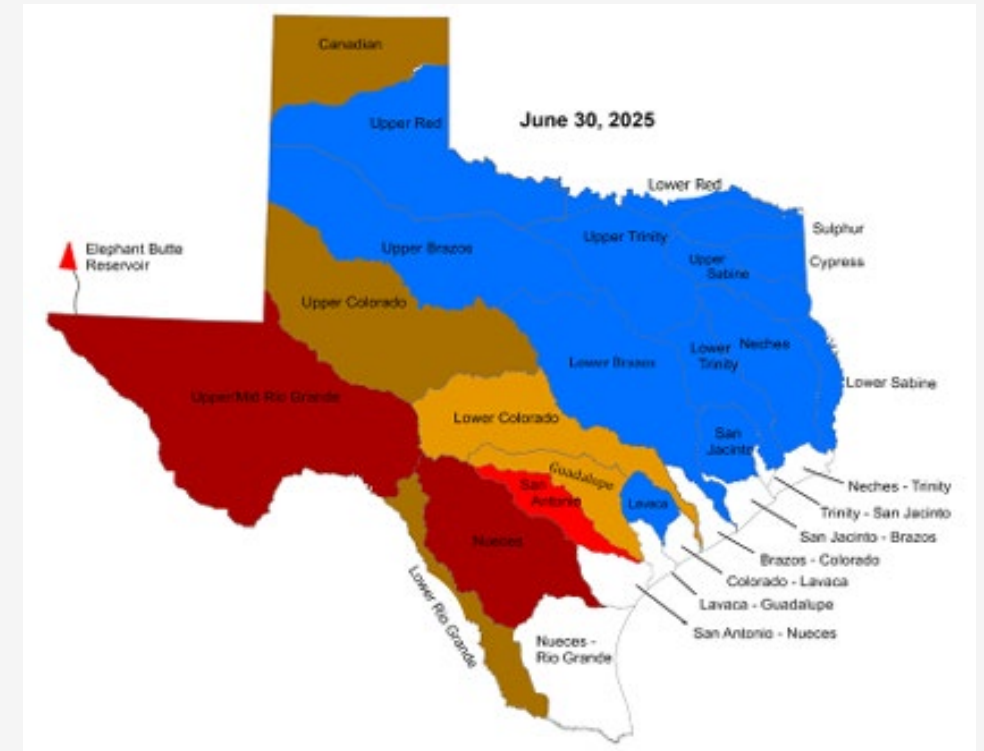
Source: TWDB: Texas Water Use Estimates Summary for 2020 (Sept. 20, 2022)

TEXAS RESERVOIRS NOT LONG AGO



TWDB, Water Data for Texas,
<https://waterdatafortexas.org/reservoirs/statewide>

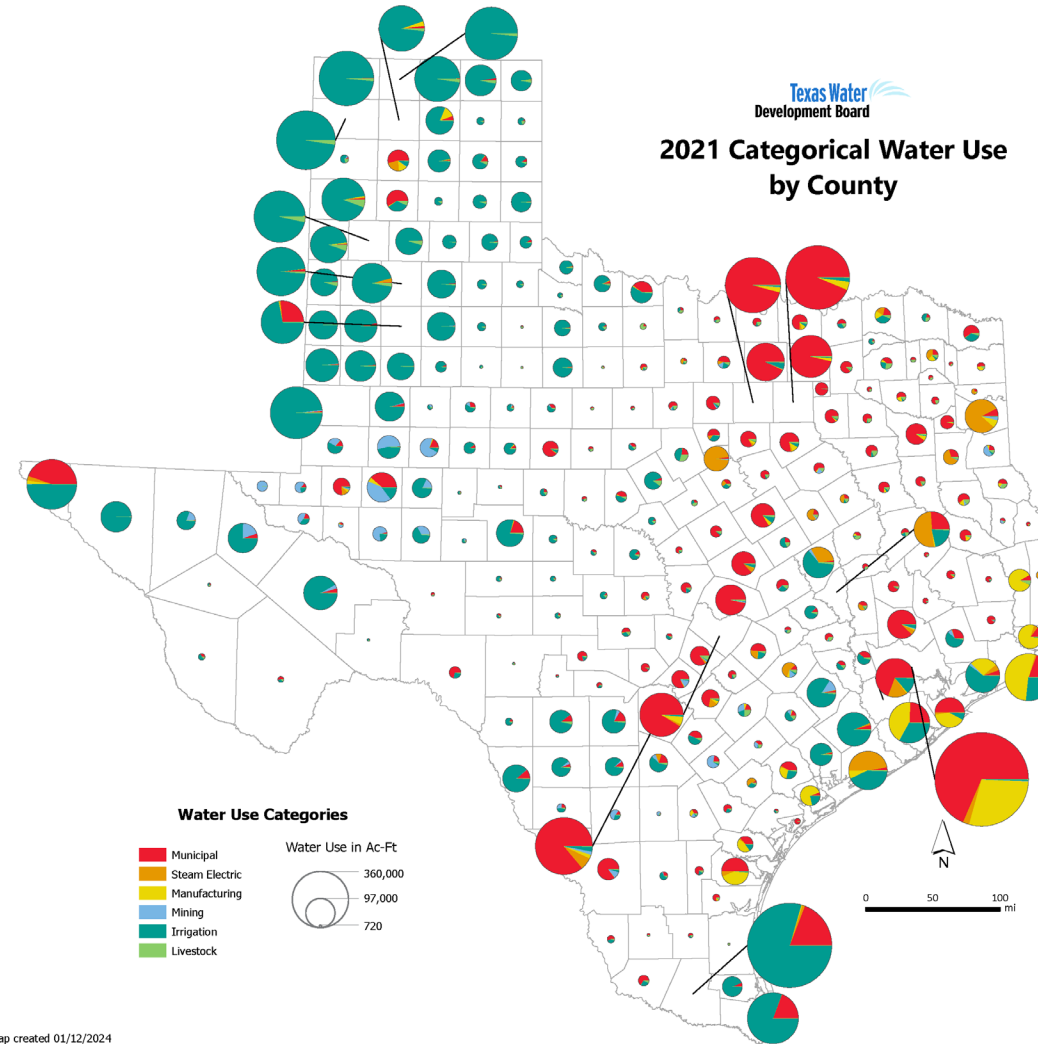
May 2026



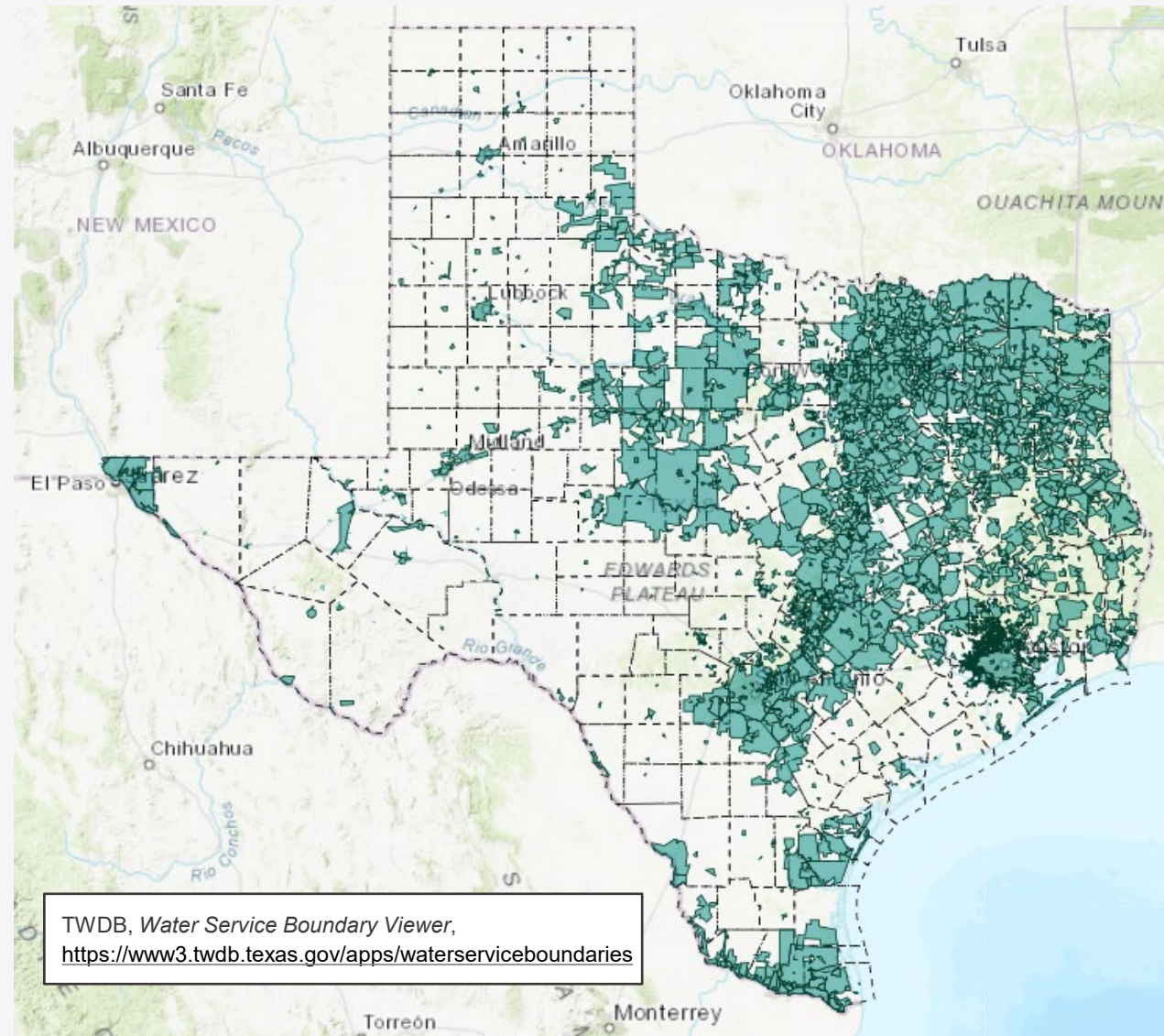
June 2025

CATEGORICAL WATER USE BY COUNTY

- Irrigation ● Livestock
- Manufacturing ● Mining
- Municipal ● Steam-Electric



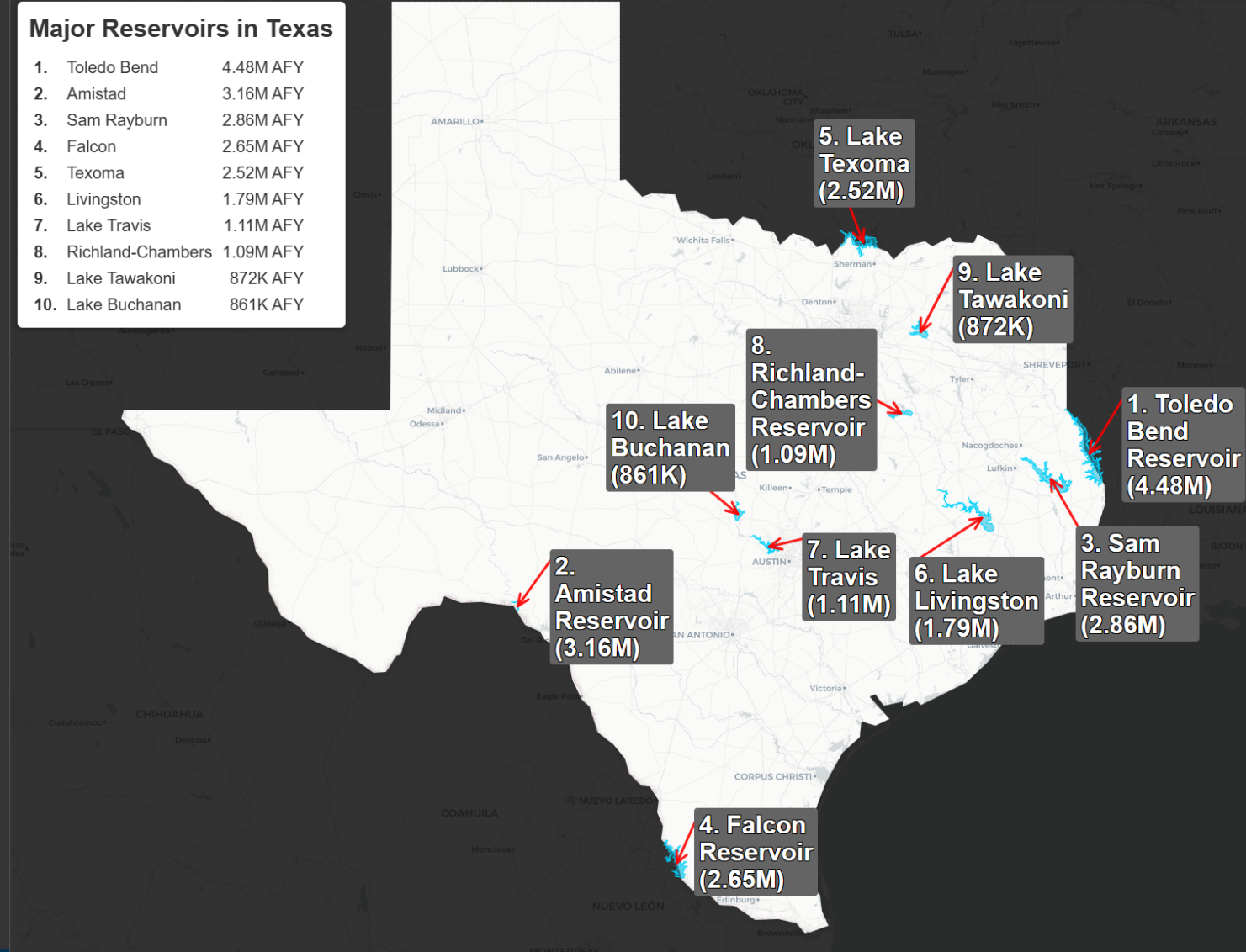
MAP OF TEXAS WATER SERVICE BOUNDARIES



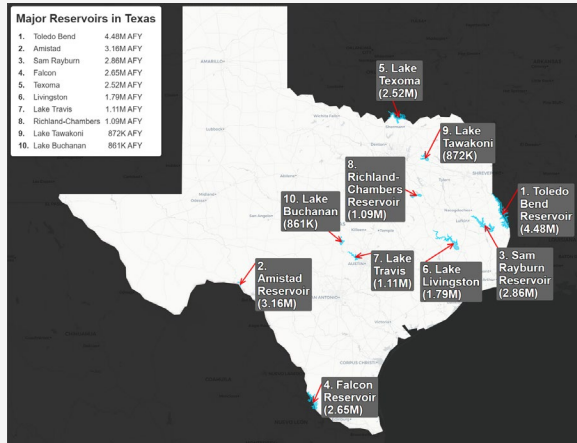
LARGEST TEXAS RESERVOIRS

Major Reservoirs in Texas

- | | |
|----------------------|-----------|
| 1. Toledo Bend | 4.48M AFY |
| 2. Amistad | 3.16M AFY |
| 3. Sam Rayburn | 2.86M AFY |
| 4. Falcon | 2.65M AFY |
| 5. Texoma | 2.52M AFY |
| 6. Livingston | 1.79M AFY |
| 7. Lake Travis | 1.11M AFY |
| 8. Richland-Chambers | 1.09M AFY |
| 9. Lake Tawakoni | 872K AFY |
| 10. Lake Buchanan | 861K AFY |

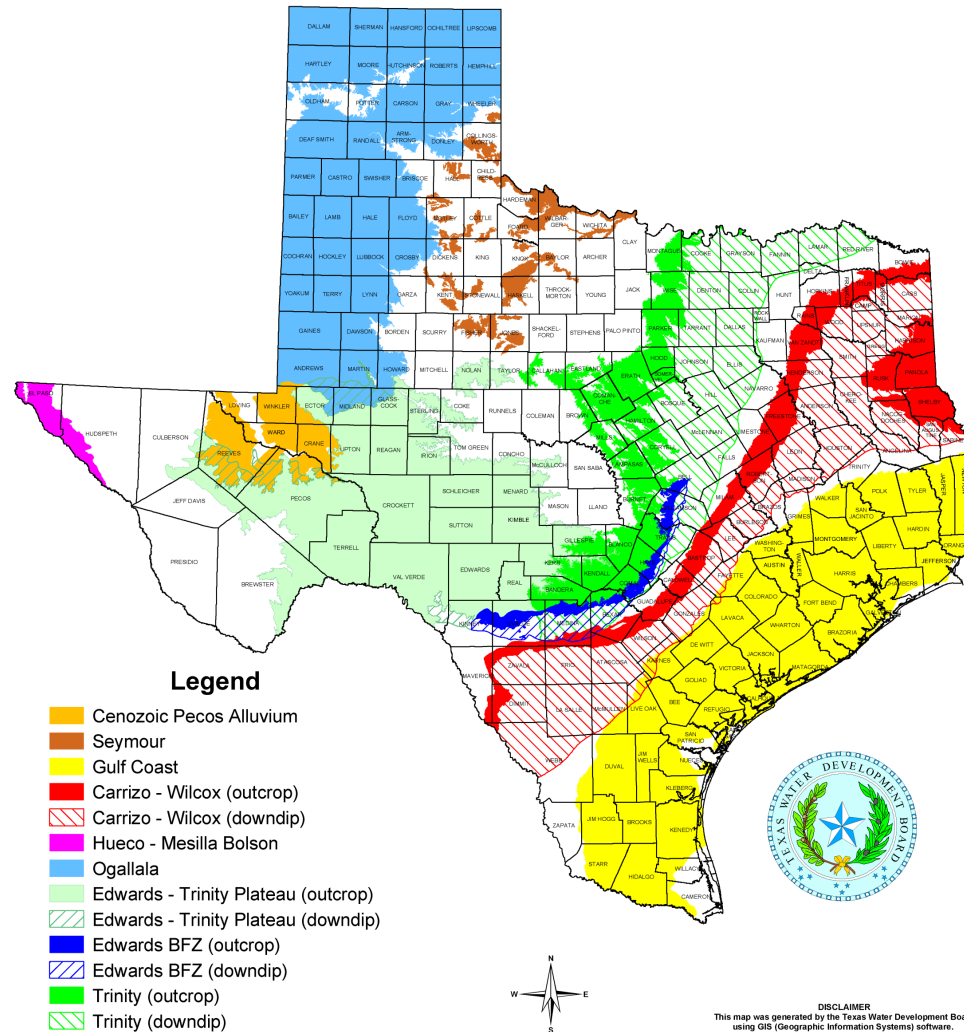


LARGEST TEXAS RESERVOIRS



<u>Reservoir</u>	<u>Yr. Constr.</u>	<u>Conserv. Storage</u>
Buchanan	1938	861k acre-feet
Travis	1942	1.11M acre-feet
Texoma	1944	2.52M acre-feet
Sam Rayburn	1965	2.86M acre-feet
Falcon	1954	2.65M acre-feet
Tawakoni	1960	872k acre-feet
Toledo Bend	1969	4.48M acre-feet
Amistad	1969	3.16M acre-feet
Livingston	1969	1.79M acre-feet
Richland-Chambers	1987	1.09M acre-feet

MAJOR TEXAS AQUIFERS



NOTE: Chronology by Geologic age.
 OUTCROP (That part of a water-bearing rock layer which appears at the land surface)
 DOWNDIP (That part of a water-bearing rock layer which lies or dips below other rock layers)

DISCLAIMER
 This map was generated by the Texas Water Development Board
 using GIS (Geographic Information Systems) software.
 No claims are made to the accuracy or completeness of the
 information shown herein nor to its suitability for a particular use.
 The scale and location of all mapped data are approximate.

Map created by Mark Hayes, Mapping Coordinator

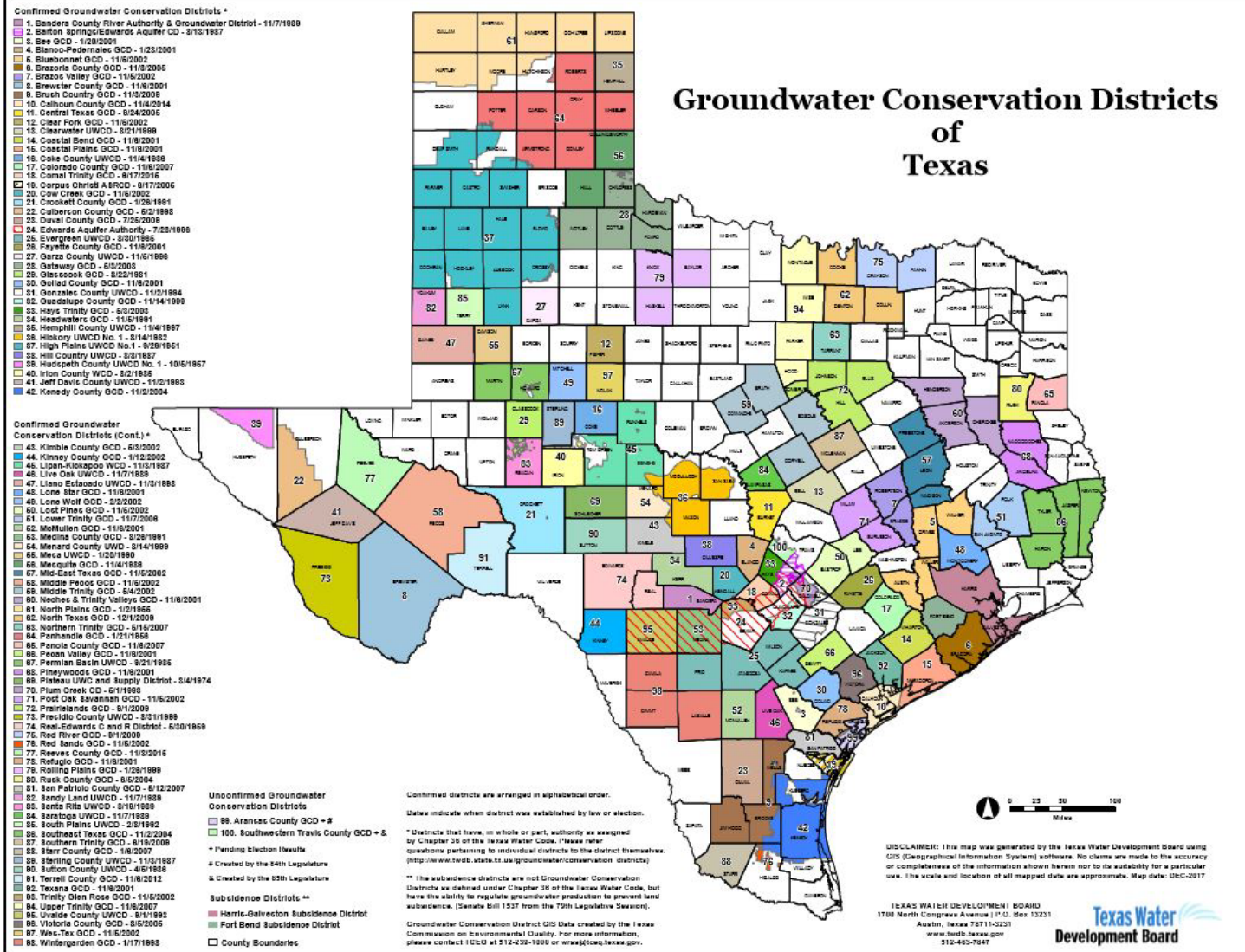
**Conservation Storage Capacity of
All Texas Reservoirs (combined) =
*31.5 million acre-feet¹***

**Recoverable Water Storage in the
Carrizo-Wilcox Aquifer (alone) =
*1.3 billion to 3.9 billion acre-feet²***

¹<https://waterdatafortexas.org/reservoirs/statewide>.

²<https://agrifetoday.tamu.edu/2022/03/21/texas-am-researchers-study-carrizo-wilcox-aquifer/>.

GROUNDWATER CONSERVATION DISTRICTS



EXAMPLES

Socioeconomic Impact Study of Simsboro Aquifer Desired Future Conditions

A Study of Brazos and Robertson Counties

March 6, 2026

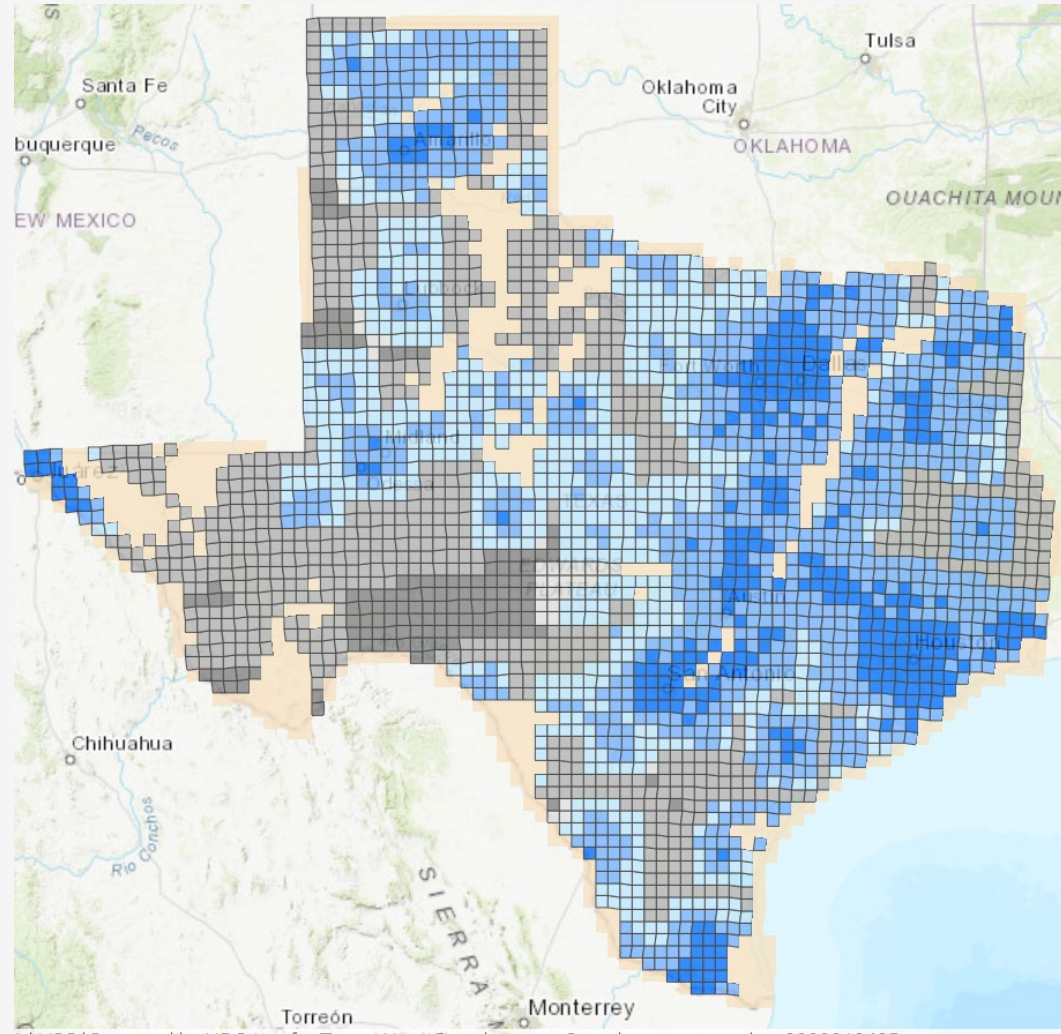
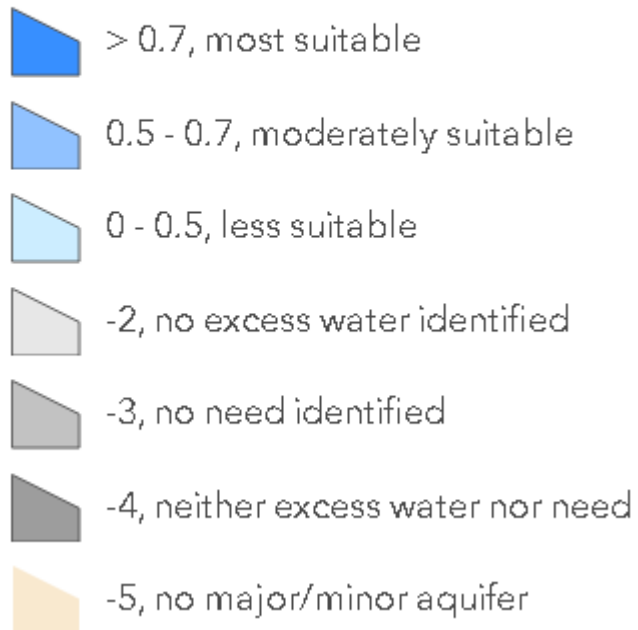
Metric	Value
Cumulative Total (2029 – 2080)	
Total Economic Output	\$79.4 billion
Total Value Added	\$38.4 billion
Total Labor Income	\$18.4 billion
Total Tax Revenue	\$9.8 billion
Cumulative Incremental Water Supply	~1 million acre-feet
Additional Jobs	~5,150 full time equivalents (267,547 job-years)
New Homes Supported	~4,400 Single-Family Equivalents (SFE)

QUESTIONS

AQUIFER STORAGE AND RECOVERY

ASR Final Suitability Score

Final ASR rating



Source: <https://twdb.maps.arcgis.com/apps/instant/basic/index.html?appid=dc7a102f5c1649858ec6f8d2c32dcc04>