

Every Texan can **help conserve** our limited surface water and groundwater supplies.

Our mission

To lead the state's efforts in ensuring a secure water future for Texas.

Through grants and low-interest loans, the TWDB helps ag producers maximize water use efficiency while maintaining productivity and economic viability.

Contact us to learn more about TWDB-funded agricultural water conservation projects.

Who we are

Visit the TWDB website

AgConservation@twdb.texas.gov

Email us



Texas **ag producers work daily** to grow quality food, fiber, and feed crops **with a decreasing amount of available irrigation water.** The TWDB is helping them meet the challenge.



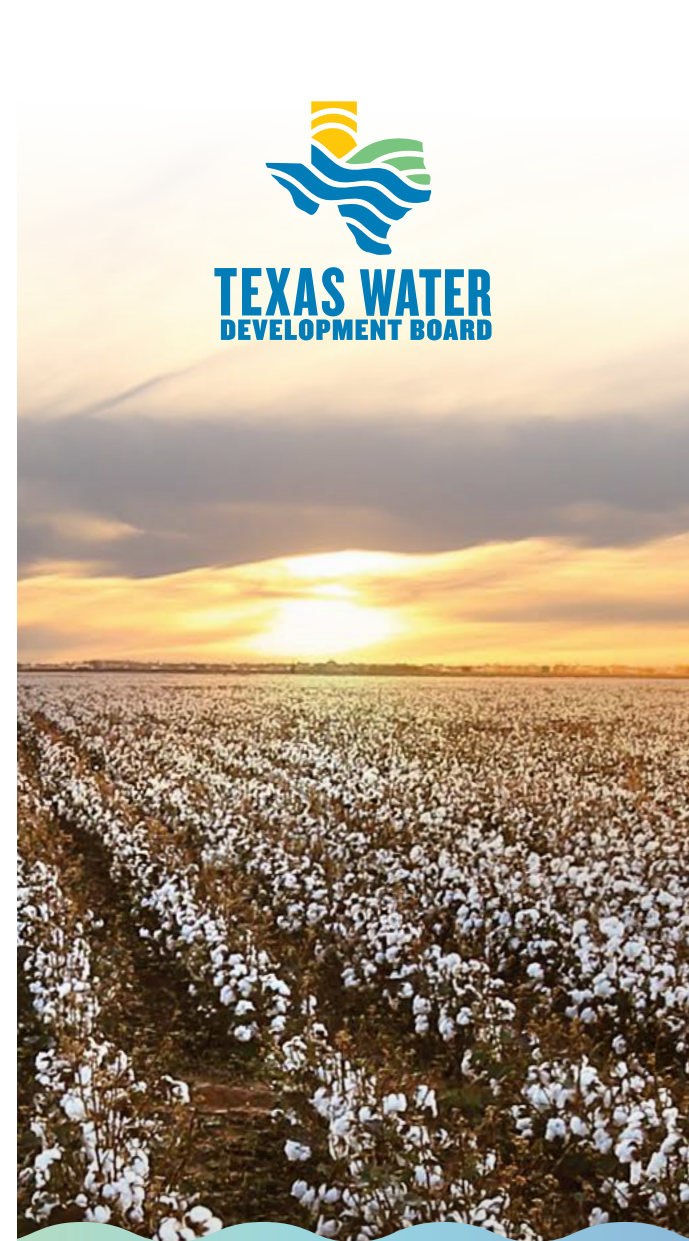
Resources and tools

WaterDataforTexas.org provides the most comprehensive and up-to-date information available on drought conditions and the status of Texas' major water supply reservoirs and groundwater level recorder wells.

Texmesonet.org is a hydrometeorological network capturing real-time data on weather and soil conditions across Texas.

The **Interactive State Water Plan** includes tools that highlight water demands, water needs, and water management strategies to meet water shortages — such as conservation — based on regional water planning data. Visit **texasstatewaterplan.org** to learn more.

The **Texas Geographic Information Office (TxGIO)** is a division of the TWDB that provides historic and current data, education and training, partnerships, and engagement to the geospatial community. Visit **geographic.texas.gov** to learn more.



**AGRICULTURAL
WATER CONSERVATION
IN TEXAS**

The Texas Water Development Board (TWDB)

supports the people and economy of Texas through water supply and flood planning, data collection and dissemination, and financial and technical assistance to communities across the state.

Help secure the future of Texas water

Agriculture utilizes about 9 million acre-feet of water each year, contributes more than \$160 billion annually to our economy, and is a key part of life in rural communities that shapes the local values, traditions, and identity.

Texas farmers and ranchers lead the way in agricultural water conservation and innovation, implementing water management strategies to address future water needs.

The TWDB provides ag producers with resources and opportunities to engage in efforts to ensure the long-term viability and prosperity of Texas agriculture.

Planning for the future

Texas uses a bottom-up approach to water planning through public involvement in 16 regional water planning areas.

To help facilitate planning for the future, the TWDB provides support and technical guidance to groundwater conservation districts and groundwater management areas that develop desired

future conditions—with input from local ag producers—for the aquifers they rely upon.

Through participation in the regional water planning process, the agricultural community helps identify opportunities to conserve water and recommend strategies to implement best management practices and improve irrigation efficiency.



Did you know the most common crops grown in Texas include corn, cotton, wheat, and sorghum?

These crops are essential to the state's agricultural economy, and they rely on thoughtful water management strategies in order to thrive. In Texas, we promote multiple conservation strategies, including efficient irrigation systems, metering water use, and crop rotation, along with programs that support ag producers adopting these water-saving technologies.

Sharing conservation knowledge

Some of the most progressive agricultural producers in Texas lead by example and employ best management practices through TWDB-funded agricultural water conservation demonstration projects.

The TWDB has provided **nearly \$40 billion in grants and loans** since its creation in 1957.

These large-scale, long-term initiatives demonstrate and evaluate cost-effective technologies for conservation while providing opportunities for local producers to share knowledge.

The TWDB's best management practice guides outline proven, cost-effective conservation measures. Visit www.savetexaswater.org to view and participate in developing and reviewing the best management practices.

The TWDB also provides education and engages Texans through outreach to encourage them to consider where their water comes from and how they use it in their daily lives.

And because water education begins in the classroom, the TWDB Kids program includes K-12 school materials and conservation literature. Visit www.twdb.texas.gov/kids to learn more about our programs for all ages and download resources.



Financial assistance

The TWDB offers a variety of financial assistance programs to help producers and communities secure their water supply and distribution now and for the future. The Agricultural Water Conservation Grant and Loan programs support implementation of strategies and practices aligned with the state water plan that improve agricultural irrigation water use efficiency and water conservation projects.

The State Water Implementation Fund for Texas (SWIFT) program provides financial assistance for projects in the state water plan. To learn more about these programs and others, visit www.twdb.texas.gov/financial.

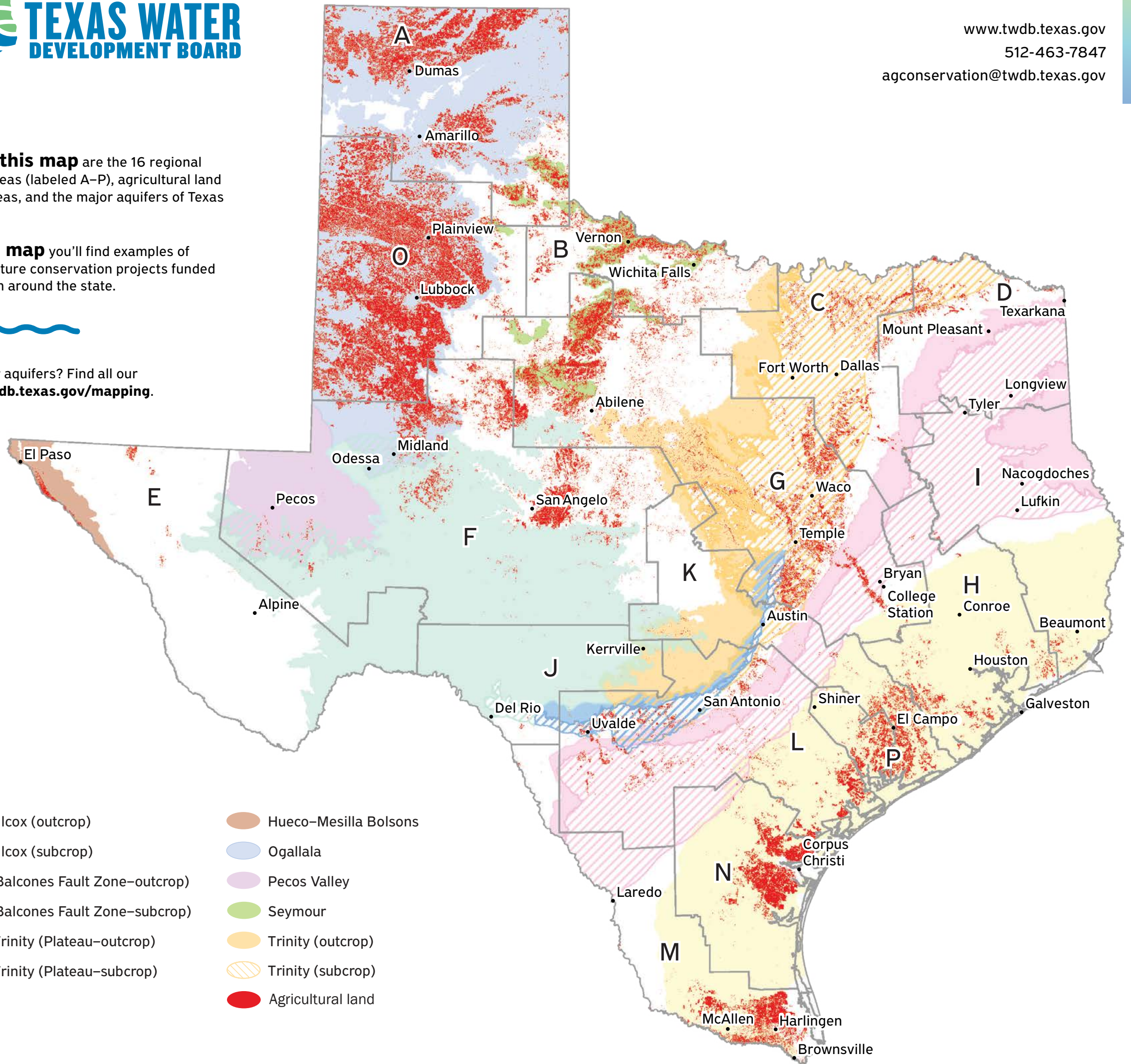
The TWDB has provided **more than \$120 million in grants and low-interest loans** through the Agricultural Water Conservation Program.

















Pictured on this map are the 16 regional water planning areas (labeled A–P), agricultural land (in red), urban areas, and the major aquifers of Texas (key below).

Beneath the map you'll find examples of innovative agriculture conservation projects funded by the TWDB from around the state.

Looking for minor aquifers? Find all our maps at www.twdb.texas.gov/mapping.



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|--|---|
|  Carrizo–Wilcox (outcrop) |  Hueco–Mesilla Bolsons |
|  Carrizo–Wilcox (subcrop) |  Ogallala |
|  Edwards (Balcones Fault Zone–outcrop) |  Pecos Valley |
|  Edwards (Balcones Fault Zone–subcrop) |  Seymour |
|  Edwards–Trinity (Plateau–outcrop) |  Trinity (outcrop) |
|  Edwards–Trinity (Plateau–subcrop) |  Trinity (subcrop) |
|  Gulf Coast |  Agricultural land |



Edwards Aquifer Demo Project

The TWDB funded the Edwards Aquifer Authority's Irrigation Efficiency Improvement Grant Program to improve water conservation strategies and water efficiency among users in the Edwards Aquifer area. For more information, visit www.edwardsaquifer.org.



Rio Grande Demo Project

The TWDB funds research projects through the Texas A&M University - Kingsville Citrus Center to support and advance the Texas citrus industry. For more information, visit www.tamuk.edu/agriculture/institutes-and-other-units/citr/.



Northern High Plains Demo Project

The TWDB helps fund the Master Irrigator Program through the North Plains Groundwater Conservation District. The program showcases advanced conservation irrigation management and how to maximize conservation practices for producers in the district. For more information, visit www.northplainsgcd.org.