

# Riverbend Water Resources District Regional Water Issues



## Town Hall Meeting

City of New Boston – Community Center  
November 9, 2016

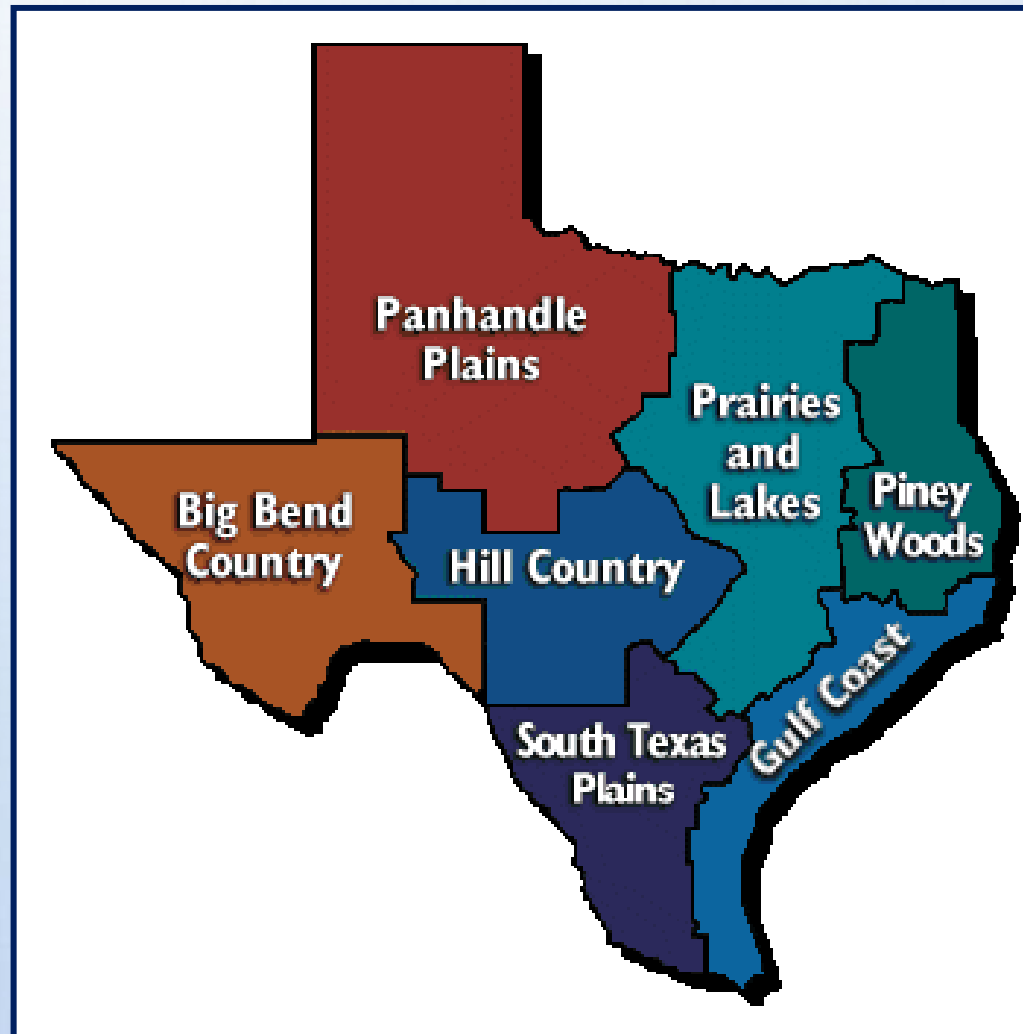
# Who is Riverbend Water Resources District?

- Created by the Texas Legislature in 2009 to conserve and develop water resources in order to control, store, preserve and distribute water to their Member Entities;
- Currently serves the following entities:
  - 12 Cities: Annona, Atlanta, Avery, De Kalb, Hooks, Leary, Maud, Nash, New Boston, Redwater, Texarkana (Texas), and Wake Village
  - 3 Counties: Bowie, Cass and Red River
  - TexAmericas Center-largest industrial park in TX
- Memorandum of Understanding in place with Southwest Arkansas Water District to work on various water issues; and,
- Recently acquired the wet utilities operations at the TexAmericas Center.

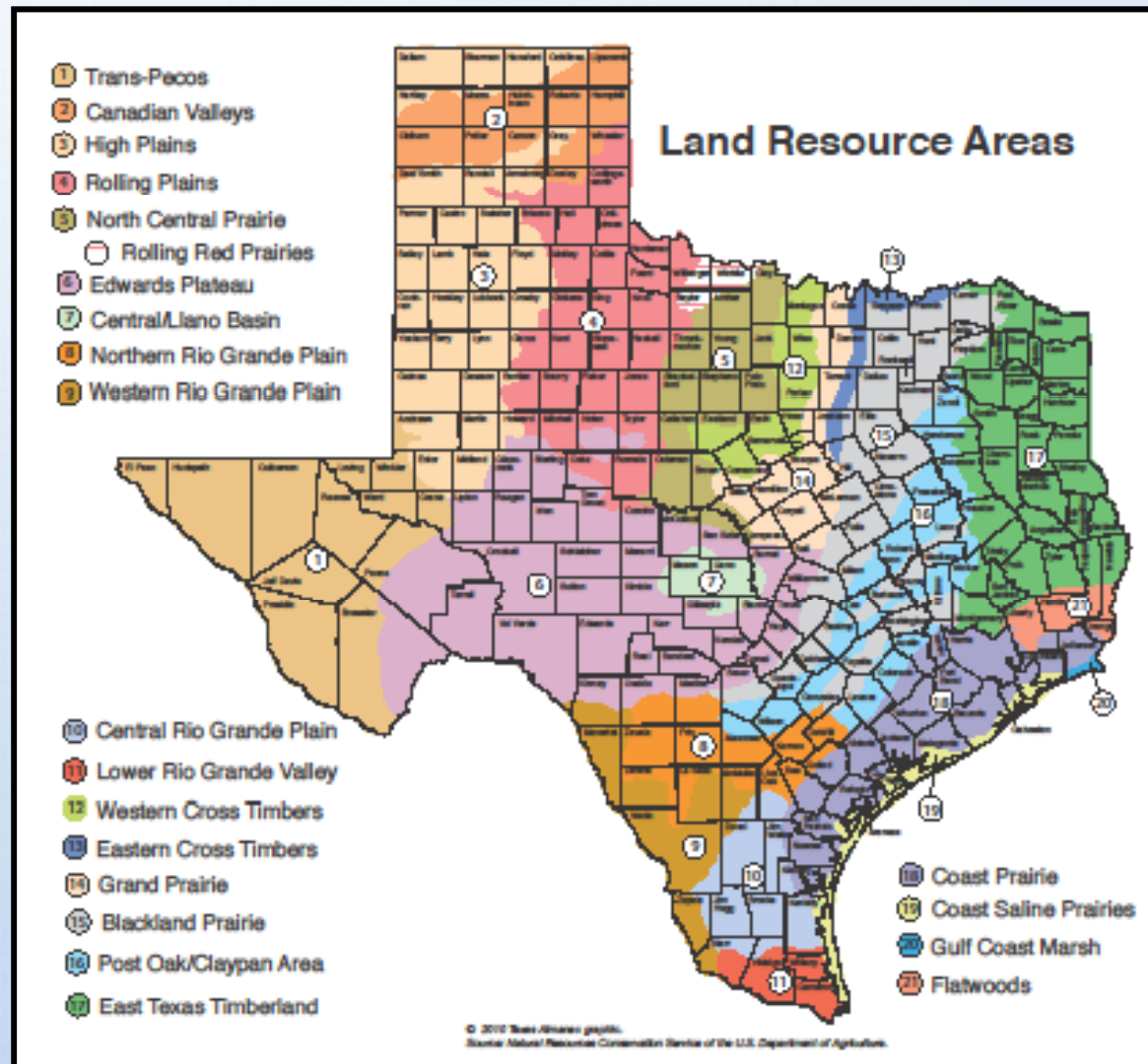


**SUSAN ROTH**  
water and wastewater consulting

# RWRD Located in Piney Woods Region



# RWRD Located in East Texas Timberland



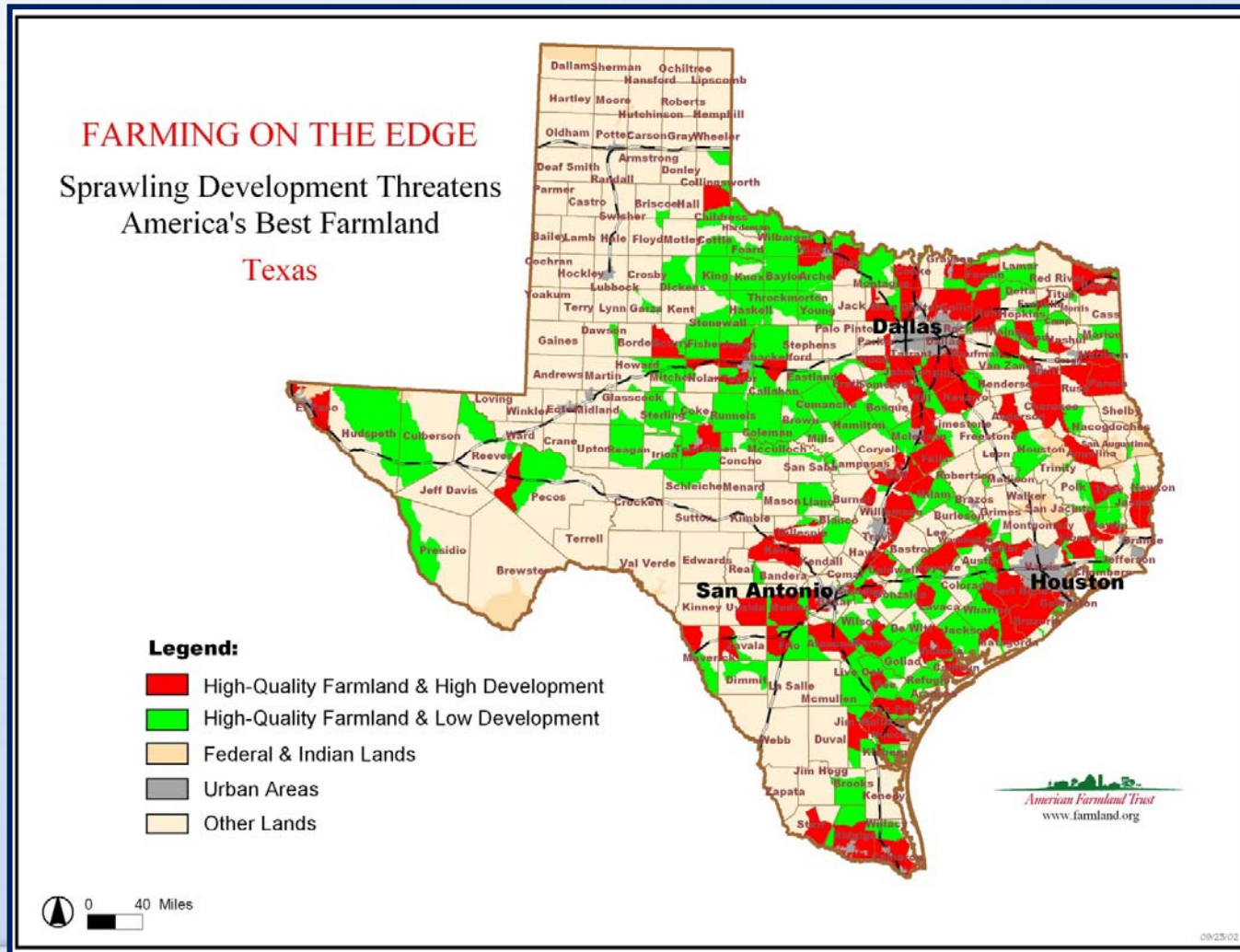
# Overview of RWRD Service Area

- Located in the Piney Woods Region and East Texas Timberlands of Texas;
- Located between the Cities of Dallas (TX) & Little Rock (AR) along I-30 Corridor;
- Primary agricultural crop is Timber;
- Industry in the area includes the manufacture and marketing of lumber products;
- Largest employer is the Red River Army Depot (RRAD) – 18,000-acre facility located 18 miles west of Texarkana;
- Abundant surface water supply – Lake Wright Patman and Lake Millwood; and,
- Transportation, commercial, and industrial center for Texas-Arkansas area, as well as hub for portions of Oklahoma and Louisiana.





# RWRD – High Growth Development & High Quality Farmland



# RWRD Regional Water Master Plan

- Conduct regional study in an **inclusive manner** to allow public involvement and gain buy-in;
- Build upon available information and data from **previous planning activities** for and by RWRD;
- Incorporate a more focused evaluation of **existing water supplies and infrastructure alternatives** available to RWRD;
- Provide a detailed evaluation of **present and future water supply** and needs along with a **defensible approach** for RWRD moving forward;
- Quantify population and water demand projections through a data driven process; and,
- Develop planning **roadmap for RWRD** that aligns with TWDB Region D and well-positions RWRD for various grants and financing alternatives.

# Study Focus Areas

- Feasibility of developing a **regional water system** to replace and/or supplement the multiple systems currently in service;
- Water management strategies in **more detail in the *2016 TWDB Region D Water Plan*** as they apply to RWRD;
- Various **treatment option/existing facilities** to provide cost-effective & reliable water supply;
- Options to provide a **reliable water supply** in regards to location/type of intake structure; and,
- **Interconnections of existing water systems**, where needed, to provide redundancy in case of system failures.





# Scope of Work

- **Service Area Description – Data Collection**
- **Population & Water Demand Projections**
  - Developed in five-year increments through 2070
- **Existing Water Infrastructure Assessment**
  - Millwood Water Treatment Plant & Ancillary Facilities
  - New Boston Road Water Treatment Plant & Ancillary Facilities
  - International Paper Water Treatment Plant & Ancillary Facilities
- **Existing Water Supply Assessment**
  - Lake Millwood & Lake Wright Patman
- **Raw Water & Distribution System Alternatives**
- **Treatment System Alternatives**
- **Water Conservation/Drought Management Plans**
- **Funding Options**



# Project Timeline

- **Project Kick-off Meeting (July 21, 2016)**
- **Data Collection Activities (August 31, 2016)**
- **WTP Site Assessments (October 26-27 & November 2, 2016)**
- **Second Meeting (mid-January 2017)**
  - Discuss population/water demand data and various regional water supply, distribution/treatment alternatives
- **Third Meeting (April 2017)**
  - Discuss preliminary cost analysis and evaluation of final alternatives for regional supply, distribution and treatment
- **Interim Work Session (June 2017)**
  - Discuss detailed cost analysis of final alternatives selected
- **Fourth Meeting (September 2017)**
  - Discuss comments on Draft Report
- **Finalize Report by December 31, 2017**