

PLANNING WORKSHOP

STRATEGIC WATER RESOURCES PLANNING STUDY

Prepared for
Lone Star Groundwater Conservation District



by
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Project Objectives

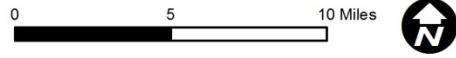
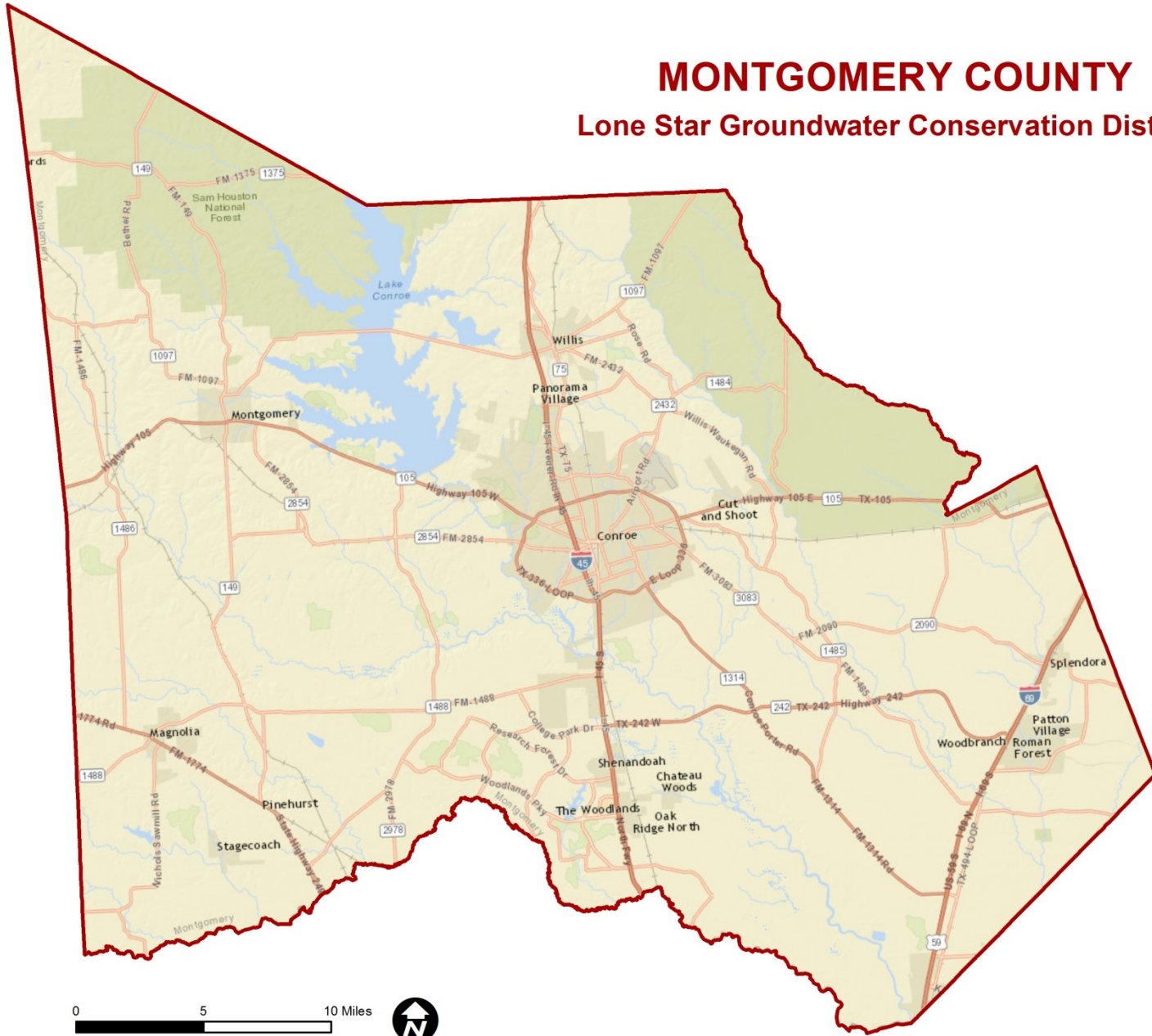
- **Task 0** - Maintain stakeholder communications and input.
- **Task I** - Assess current aquifer water levels and the potential effects of the initial conversion to Alternative Water Supplies in 2016.
Provide recommendations for changes/additions to water level monitoring program and groundwater pumping inventory efforts.
- **Task II** - Review Total Estimated Recoverable Storage (TERS) data from the TWDB and possible implications for groundwater management.

Project Objectives (continued)

- **Task III** - Conduct evaluation of potential opportunities for additional groundwater development in various areas of the district while ensuring long-term viability of the aquifers.

MONTGOMERY COUNTY

Lone Star Groundwater Conservation District



Planning Study Status

- **Task 0 – Project Communications**

- Kick-Off meeting held and scheduling at least quarterly meetings
- Will provide opportunities for stakeholder input at status meetings and review of draft reports

- **Task 1 – Groundwater Production and Monitoring Assessment**

Data collection and evaluation in progress.

- Groundwater production and well water-level data
- Evaluation of areal coverage of monitoring wells, available water-level data and groundwater production data

Planning Study Status (continued)

- **Task I – Groundwater Production and Monitoring Assessment (continued)**
 - Review of impacts of pumping reductions in north Harris County on aquifers in that area
- **Task II – Review of Aquifer Total Estimated Recoverable Storage published by the Texas Water Development Board**
 - Initiated review of procedures and data sources used in TERS estimates
 - Estimating areas of Chicot, Evangeline, Jasper and Catahoula aquifers with fresh and brackish groundwater

Planning Study Status (continued)

- **Task III – Future Groundwater Availability**
 - Evaluate potential groundwater availability from Chicot, Evangeline, Jasper and Catahoula aquifers in areas outside currently heavily pumped areas with substantial artesian head declines
 - Give consideration to population and water demand projections in future adopted Region H Regional Water Plan

Task III Schedule

- Final task of planning effort
- Initiated following completion of Tasks I and II

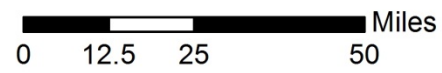
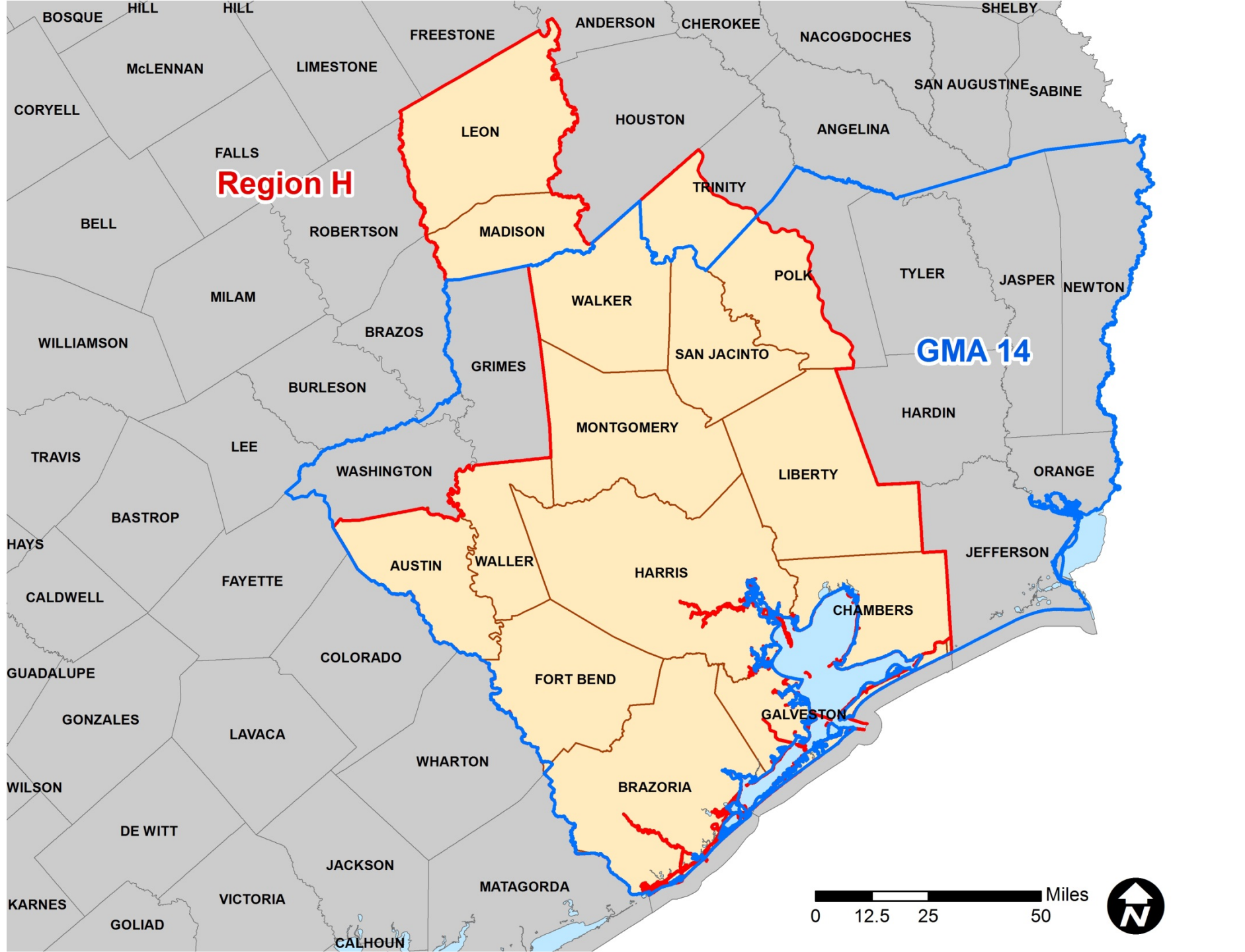
Planning Study Status (continued)

Task III Schedule (continued)

- Results of effort will be available for next round of joint planning in both Region H and Groundwater Management Area 14
- Results will assist Region H planning as available surface water and groundwater supplies are evaluated to satisfy future estimates of water demand
- Results will assist regarding groundwater supplies available within GMA 14 for next water planning cycle beginning in 2017

Region H

GMA 14



Project Schedule

Task Description	Time Frame
0 Project Communications	Duration of Project
1 Groundwater Production and Monitoring Assessment	Months 1 – 8
2 Review of TWDB Total Estimated Recoverable Storage	Months 1 – 8
3 Future Groundwater Availability	Months 9 – 21

A photograph of a dirt road stretching into the distance under a dramatic sunset sky. The sun is low on the horizon, creating a bright orange and yellow glow that filters through the clouds. The sky is filled with various cloud formations, some dark and some catching the light. The foreground and middle ground are dominated by the dark silhouettes of trees and bushes, framing the road.

Questions?

Thank you!