

Fort Worth District

Red River Valley Association

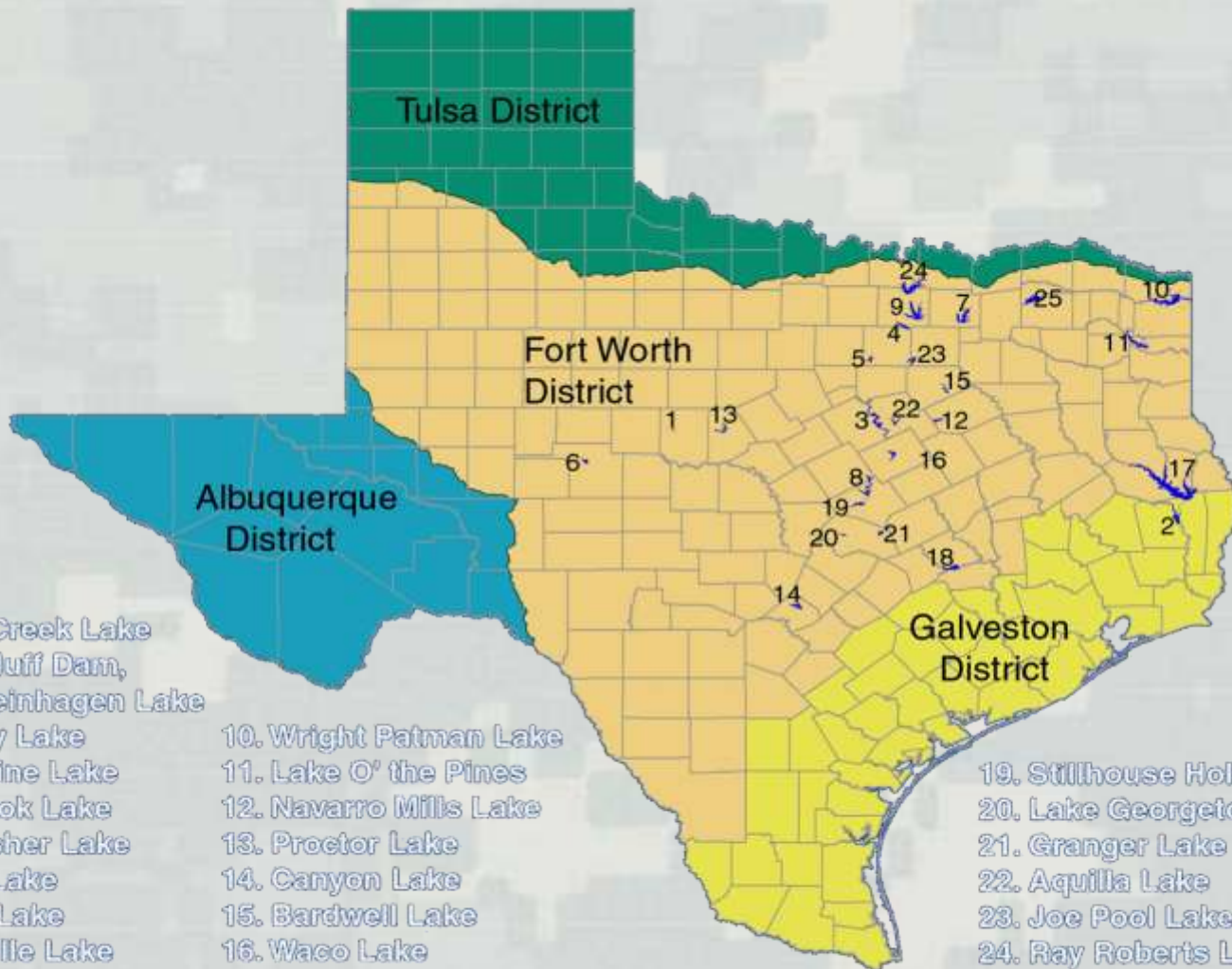
21st Annual Texarkana

Regional Conference

May 31st, 2017



Civil Works Boundaries



- 1. Hords Creek Lake
- 2. Town Bluff Dam,
B.A. Steinhagen Lake
- 3. Whitney Lake
- 4. Grapevine Lake
- 5. Benbrook Lake
- 6. O.C. Fisher Lake
- 7. Lavon Lake
- 8. Belton Lake
- 9. Lewisville Lake

- 10. Wright Patman Lake
- 11. Lake O' the Pines
- 12. Navarro Mills Lake
- 13. Proctor Lake
- 14. Canyon Lake
- 15. Bardwell Lake
- 16. Waco Lake
- 17. Sam Rayburn Reservoir
- 18. Somerville Lake

- 19. Stillhouse Hollow Lake
- 20. Lake Georgetown
- 21. Granger Lake
- 22. Aquilla Lake
- 23. Joe Pool Lake
- 24. Ray Roberts Lake
- 25. Jim Chapman Lake
and Cooper Dam



U.S. ARMY



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Fort Worth District Civil Works Program

Fort Worth District Civil Works Program	Fiscal Year 2017 Workplan	Fiscal Year 2018 President's Budget
Investigations	\$0	\$0
Construction	\$16,000,000	\$0
Operations and Maintenance	\$83,409,000	\$90,375,000



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Fort Worth District Lakes within the Red River Basin

Fort Worth District Lakes	Fiscal Year 2016 Obligations	Fiscal Year 2017 Workplan	Fiscal Year 2018 President's Budget
Jim Chapman Lake	\$1,499,902	\$1,624,000	\$1,975,000
Lake O' the Pines	\$3,337,701	\$4,210,000	\$4,041,000
Wright Patman Lake	\$3,037,652	\$4,990,000 Up from \$3,371,000	\$3,958,000

Wright Patman Additions: \$3.6M Supplemental funds for Design/repair of embankment erosion
\$1.619 in Workplan adds for cultural and camp site repairs





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Civil Works Non-O&M Activities

Red River Tributaries

- ***Cypress Bayou Watershed PAS Study***
 - ***Focuses on environmental flows, Riverware modeling, and monitoring the environmental impacts.***
 - ***\$800K effort, cost shared 50/50***
 - ***Multiple entities: CLI, NETMWD, TPWD, Nature Conservancy, and others***



Civil Works Non-O&M Activities Red River Tributaries

- ***Sulphur River Basin Feasibility Study***
 - ***Focuses on reallocation of storage at Wright Patman Reservoir.***
 - ***We have reinitiated studies, and expect selection of a Tentatively Selected Plan in December 2017.***



Sulphur River Basin Study

- **Feasibility Cost Share Agreement (FCSA)**
 - ***Agreement between Government and Sulphur River Basin Authority – originally executed 24 February 2005.***
 - ***Cost share for study is 50/50; up to 100% of local sponsor's share can be work-in-kind***
 - ***Study is limited to 3 years and \$3,000,000, unless an exception is granted. A request for exception will be pursued after the Tentatively Selected Plan is known.***
 - ***Dam Safety Analysis being incorporated into the study, likely delaying completion of the study until 2019.***



Sulphur River Basin Study

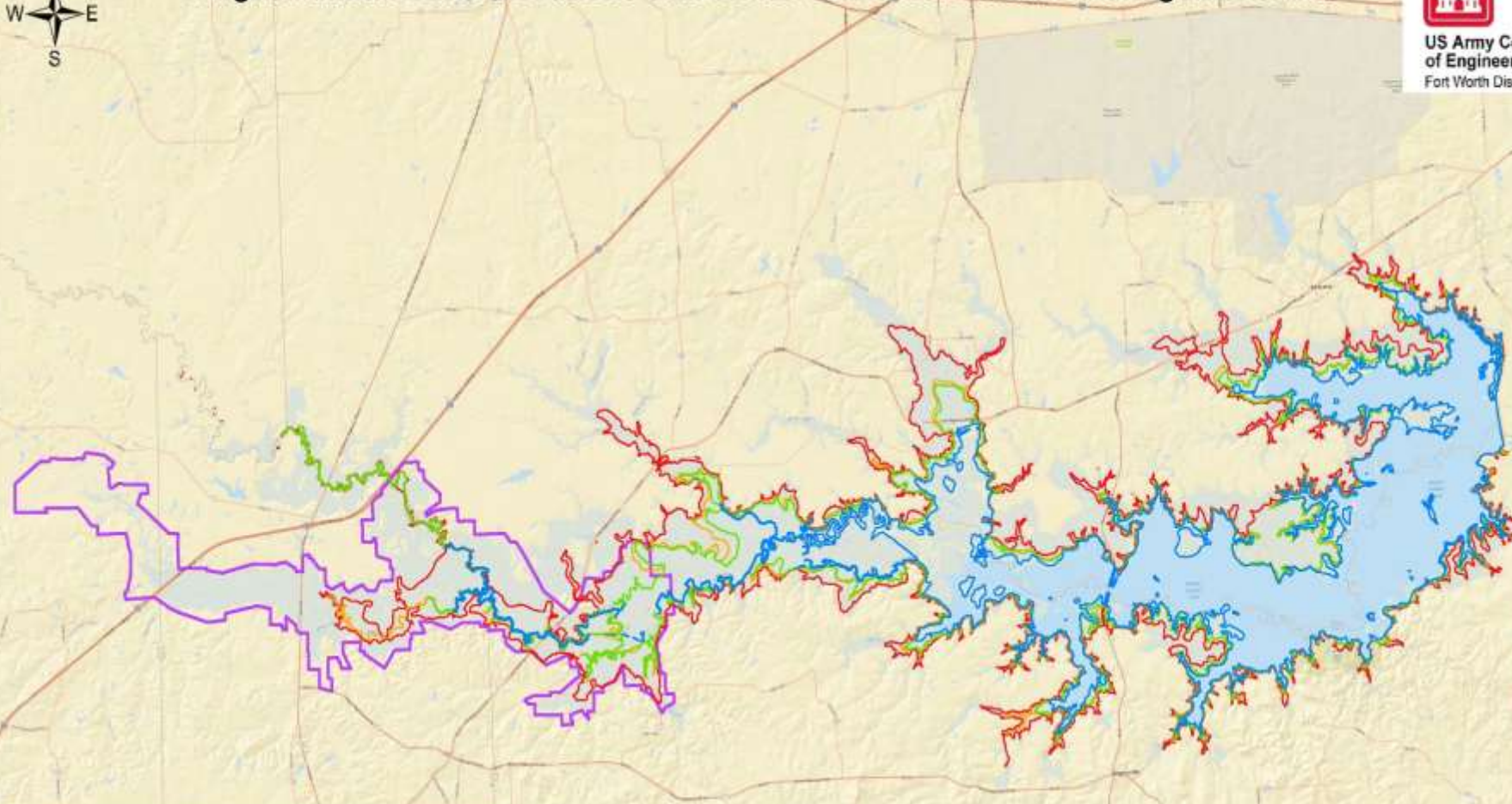
- **The Sulphur River Basin is one of the only areas within Texas with a potential for significant additional water supply.**
- **Proposed Reallocation of flood storage to water supply in Wright Patman is a viable alternative.**
- **Considerations include environmental impacts, cultural resources, and dam safety.**
- **Will not meet all water supply needs requested by the interested water providers.**
- **Will likely require Congressional Authorization, due to significance.**



Wright Patman Lake Elevations and White Oak Creek Wildlife Management Area



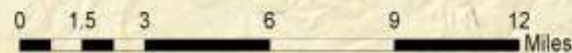
US Army Corps
of Engineers
Fort Worth District



Legend

-  Ultimate Rule Curve Elevation
-  232.5 Elevation
-  235 Elevation
-  242.5 Elevation
-  White Oak Creek Wildlife Management Area

Elevation	Acres
Ultimate Rule Curve	35,128
232.5	48,771
235	50,967
242.5	70,796



Wright Patman Ultimate Rule Curve

- **A permanent Water Storage Contract was executed in 1968 between the city of Texarkana, Texas and the Corps.**
- **It calls for operation of the reservoir at a higher level, known as the Ultimate Rule Curve. It varies by season, with the peak being elevation 228.5.**
- **The increase has never implemented to date, but the Corps is now working with Riverbend Water Resources District to make it happen. Significant cultural resources work must be completed before the pool can be permanently operated at the higher pool.**



CONTACT INFORMATION

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