



Texas State Soil & Water Conservation Board

Water Supply
Enhancement
Program

6/15/2000

Texas State Soil and Water Conservation Board

- Seven Member Board of Directors
 - Five Elected by Soil & Water Conservation Districts
 - Two Governor Appointees
- Non Regulatory Agency
- Coordinate Programs and Provide Assistance to 216 Soil & Water Conservation Districts



State Brush Control Program

- Established -- SB 1083 in 1985
- Purpose -- Develop a plan for controlling brush where brush contributes to a water conservation problem



Current Water Supply Enhancement Projects

Mesquite/ Juniper Projects

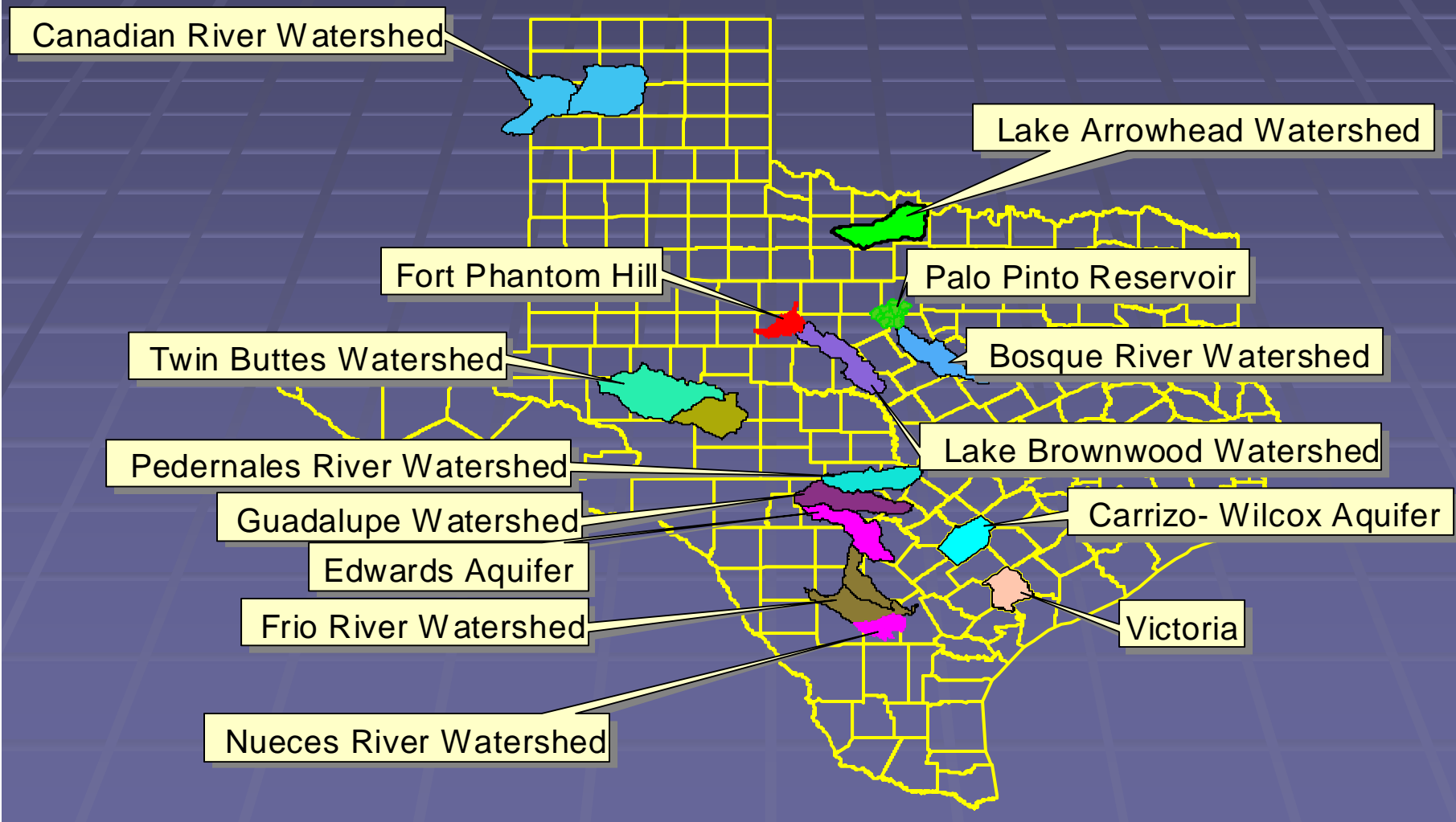
- Green Belt Reservoir
- O.C. Fisher Reservoir
- Guadalupe River
- Edwards Aquifer (Bandera County)
- Fort Phantom Hill Reservoir
- Lower Guadalupe River
- Carrizo-Wilcox Aquifer
- Palo Pinto Reservoir
- Bosque River (Steel Creek)
- Lake Arrowhead Watershed
 - Lake Kickapoo
 - Lake Arrowhead
- Lake Brownwood
- Twin Buttes Reservoir
- Pedernales River Watershed

Salt Cedar Projects

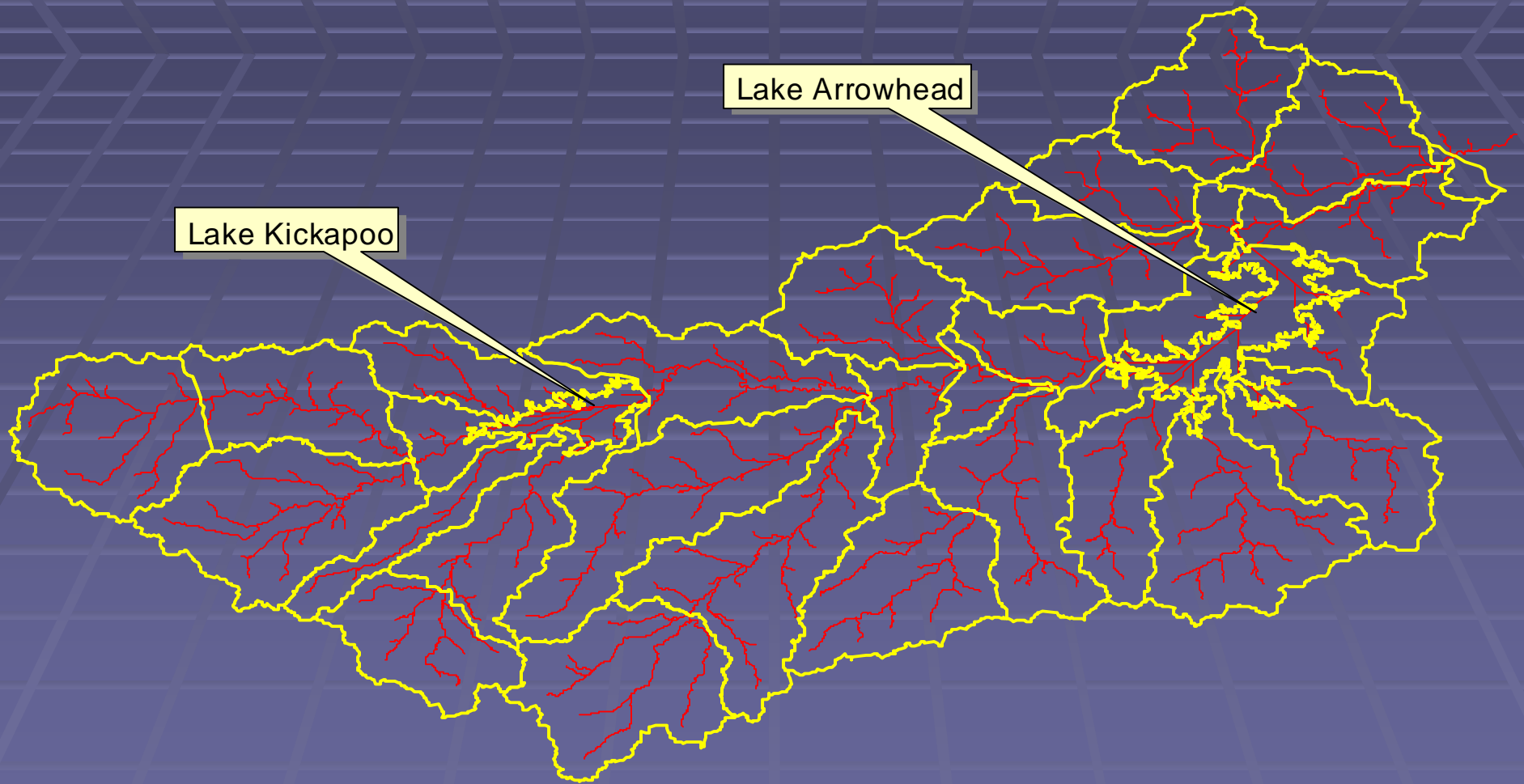
- Canadian River
- Lake O.H. Ivie Reservoir



TSSWCB Water Supply Enhancement Projects



Lake Arrowhead Watershed



Goal

- The overall goal of the Water supply Enhancement program in the Lake Arrowhead Watershed is to increase stream flow and water availability into Lake Kickapoo and Lake Arrowhead, which provides municipal, industrial, and recreational uses for the City of Wichita Falls and other smaller surrounding communities.



Voluntary Program

- **Landowners contract with the state for cost share assistance in controlling brush in targeted sub-watersheds through local soil and water conservation districts**
- **Develop conservation plans addressing**
 - **Brush control concerns**
 - **Wildlife habitat concerns**
 - **Grazing management concerns**
- **Landowner pays 30% of maximum cost for improved grazing and wildlife benefits**
- **State pays 65% of maximum cost**
 - **State pays 5% for meeting deferment requirements**

Lake Arrowhead Watershed Project

Project Started in September 2007

- Allocated \$97,650.00 GR07
 - Treated 4500 ac. of Mesquite
- Allocated \$124,998.00 in FY 2008
 - Treated 5904 ac. of Mesquite
- Allocated \$122,430.00 in FY 09
 - Treated 5830 ac. of Mesquite
- Allocated \$ 190,000.00 in FY10
 - 9048 ac. under contract

AWEP

Agricultural Water Enhancement Program

- In 2008 Chisholm Trail RC&D (Resource Conservation and Development) applied as a third party in a national competition to the USDA/NRCS to pursue additional funding to enhance surface water availability in the Lake Arrowhead Watershed. The proposal was awarded \$100,000.00 in August 2009. NRCS manages all funds and contracts are obligated through the NRCS Field offices. Chisholm Trail RC&D has provided outreach and program support to the project along with the Archer County and Little Wichita SWCD's.

AWEP

- This project is designed to complement the TSSWCB's Water Supply Enhancement program in Archer and Clay counties by targeting sub-watersheds that are adjacent to TSSWCB's targeted sub-watersheds and closest to Lake Arrowhead
- The goal is to enhance surface water availability through brush control or suppression, range seeding, prescribe grazing, fencing, farm ponds, water wells, and pipelines. However, priority is given to brush control and management practices.
- NRCS currently has 3 contracts to perform brush management on 1555.8 ac. of mesquite and 1431.7 ac. on prickly pear.
- Currently AWEP is waiting on NRCS's decision based on performance as to whether they will fund this next year at \$100,000 as requested in the proposal.

Monitoring

- The TSSWCB has contracted with Dr. Ken Rainwater and his associates at Texas Tech University to perform monitoring on the Lake Arrowhead Watershed
- Dr. rainwater has selected two sites to perform the monitoring



Other Cooperating Entities

- NRCS (Natural Resources Conservation Service)
- TPWD (Texas Parks and Wildlife Department)
- TDA (Texas Department Of Agriculture)
- TWDB (Texas Water Development Board)
- LCRA (Lower Colorado River Authority)
- UCRA (Upper Colorado River Authority)
- TWRI (Texas Water Resources Institute)
- Texas Tech university

A photograph of a sunset over a landscape. The sun is a large, bright yellow-orange semi-circle in the upper half of the frame. The sky is a deep orange-red. In the foreground, a dark silhouette of a windmill is visible on the left side. The ground is dark and appears to be a field or plain.

For more information on the Water Supply Enhancement Program contact:

Tuffy Wood
Water Supply Enhancement Program Coordinator
325-481-0335
twood@tsswcb.state.tx.us