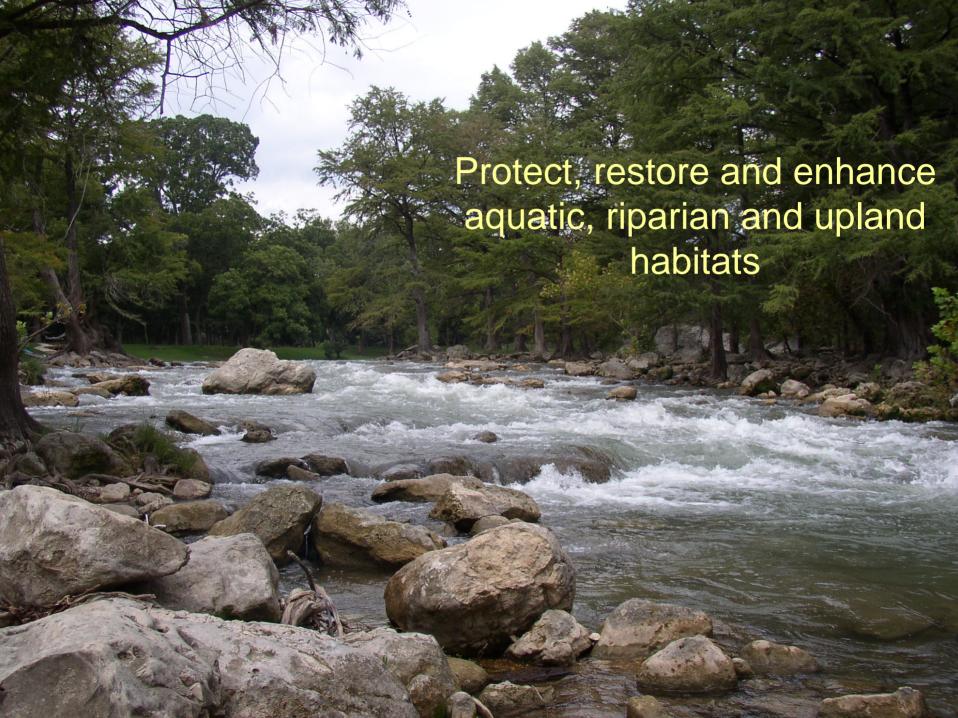
#### TPWD Watershed Policy & Management Program









## 2009

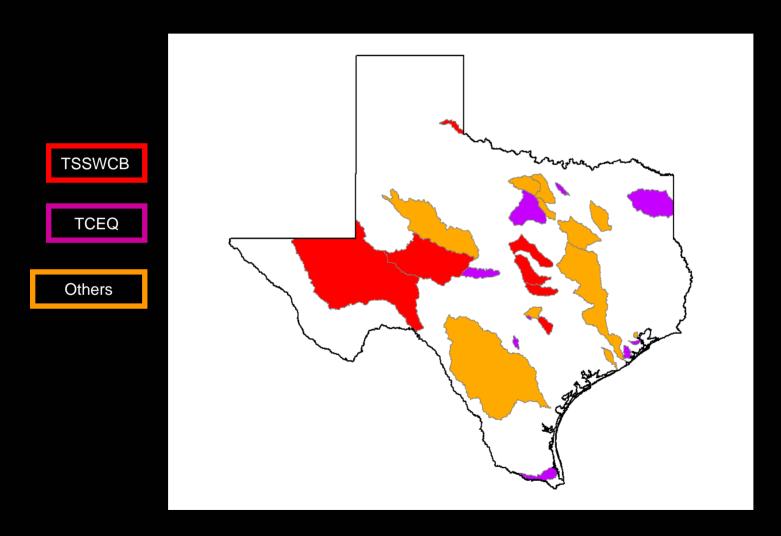
Lake Travis →

# Guadalupe River





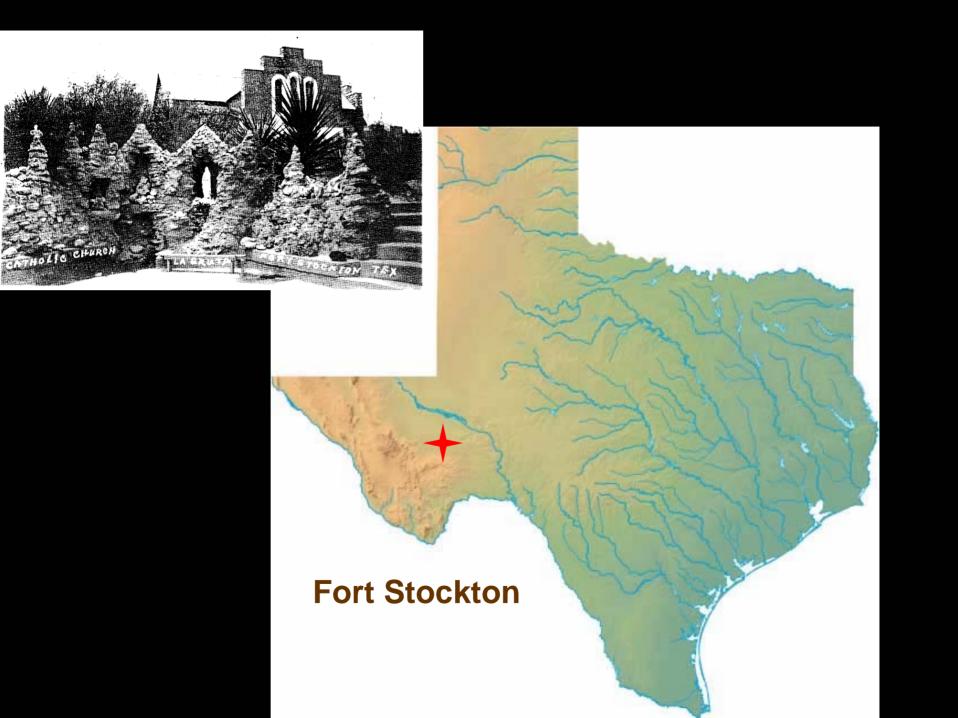
# Existing watershed programs















#### Devils River Minnow Watershed Management Plan





How will limited water supplies affect fish populations, aquatic habitat, and recreational users?



#### Research

- 1) Understand the relations between aquatic communities and hydrology, including in-stream flow requirements for Texas rivers
- 2) Project water availability and effects on aquatic resources
- 3) Estimate the economic consequences of such effects

### General Approach



- Identify watershed segment.
- Organize a Technical Advisory Team.
- Gather data, define challenges and develop objectives.
- Develop an action plan
- Engage private landowners and other partners.
- Ensure that people understand benefits.
- Implement and evaluate efforts.



# Technical Advisory Team

(TPWD, academia, NGOs, etc.)

- Aquatic ecology
- Upland ecology
- Hydrology
- Water quality
- Regulatory
- Legal

## General Approach



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- Engage private landowners and other partners.
- Ensure that people understand benefits.
- Implement and evaluate efforts.

#### **Partners**



- Private landowners
- Local authorities (cities, counties, etc.)
- State agencies (TCEQ, TSSWCB, TDA, Agrilife, etc.)
- Federal agencies (USFWS, EPA, NRCS, etc.)
- Industry and utility companies
- River authorities
- The Nature Conservancy, Texas Farm Bureau, other conservation groups, lake associations, angler clubs, etc.

### General Approach



- Identify watershed segment.
- Organize a Technical Advisory Team.
- Gather data, define challenges and develop objectives.
- Develop an action plan
- Engage private landowners and other partners.
- Ensure that people understand benefits.
- Implement and evaluate efforts.

#### **Primary Objectives**



- upland environments
- riparian zones
  - water quality
  - watershed connectivity
  - hydrologic conditions for biota
  - sediment flows
  - physical habitat
  - ecological balance