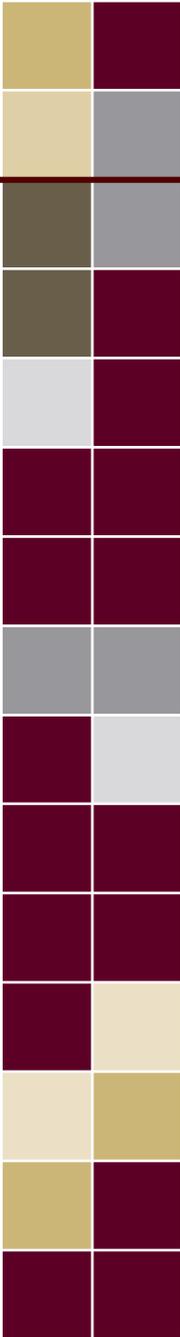


# **The Basin–Wide Approach**

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## **New 303(D) Vision**

Addressing Bacterial Impairments in Upper Trinity  
River Watersheds



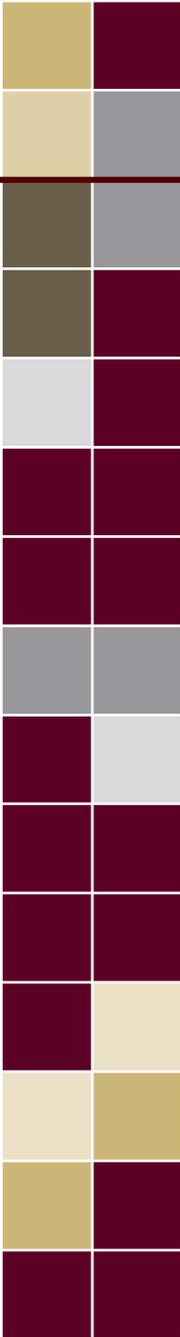
# TCEQ Tasking

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Implement a *River Basin Approach* for addressing multiple **bacterial** impairments simultaneously

## Project Partners

- Texas Institute for Applied Environmental Research (TiAER)
- North Central Texas Council of Governments (NCTCOG)
- Conduct initial outreach to raise awareness in the watershed



# TCEQ Tasking

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## Public Education and Outreach Task

- Facilitating watershed leaders with General Education & Outreach needs across Target Watersheds

## Summarize Existing Water Quality Data Task

- Collection of known existing data information, & previously developed reports
- Overall assessment of the watershed, its impairments, and potential sources

# Impaired and Concern Segments/AUs

<b>Upper Trinity River Basin Impaired Segments FY-2016</b>	
<b><u>Name</u></b>	<b><u>AU</u></b>
<b>Sycamore Creek</b>	<b>0806E</b>
<b>Ash Creek</b>	<b>0809B</b>
<b>West Fork Trinity River Below Bridgeport Reservoir</b>	<b>0810_</b>
<b>Big Sandy Creek</b>	<b>0810A</b>
<b>Martin Branch</b>	<b>0810C</b>
<b>Rowlett Creek</b>	<b>0820B</b>
<b>Wilson Creek</b>	<b>0821C</b>
<b>East Fork Trinity River Above Lake Lavon</b>	<b>0821D</b>
<b>Village Creek</b>	<b>0828A</b>
<b>Walnut Creek</b>	<b>0838C</b>
<b>Cottonwood Creek</b>	<b>0841F</b>
<b>Fish Creek</b>	<b>0841K</b>
<b>Kirby Creek</b>	<b>0841N</b>
<b>Crockett Creek</b>	<b>0841V</b>

# Impaired and Concern Segments/AUs

## Upper Trinity River Basin Concern Segments FY-2016

<u>Name</u>	<u>AU</u>
<b>Marine Creek</b>	<b>0806D</b>
<b>Little Fossil Creek</b>	<b>0806F</b>
<b>West Fork Trinity River Above Bridgeport Reservoir</b>	<b>0812_</b>
<b>Denton Creek</b>	<b>0825_</b>
<b>White Rock Creek Above White Rock Lake</b>	<b>0827A</b>
<b>North Fork Cottonwood Creek</b>	<b>0841P</b>
<b>North Fork Fish Creek</b>	<b>0841Q</b>

# 303(D) Vision

## Watershed Priority Strategy

**EPA**



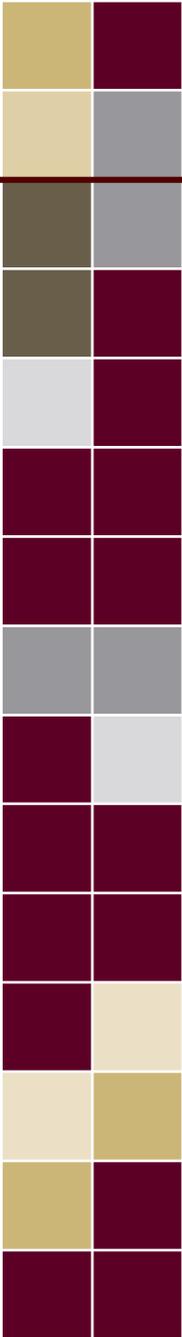
- **New Vision for the CWA 303(d) Program – An Updated Framework for Implementing the CWA 303(d) Program Responsibilities**
- **<http://water.epa.gov/lawsregs/lawsguidance/cwa/tmdl/programvision.cfm>**



# NEW PERFORMANCE MEASURE WQ27

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- **Based on the 303(d) VISION**
- **Developed by the States and EPA 2013**
- **Replaces the current, number of TMDLs per year, measure**
- **A 7 year effort**
- **2016 to 2022**
- **The goal is approved plans for impairments**

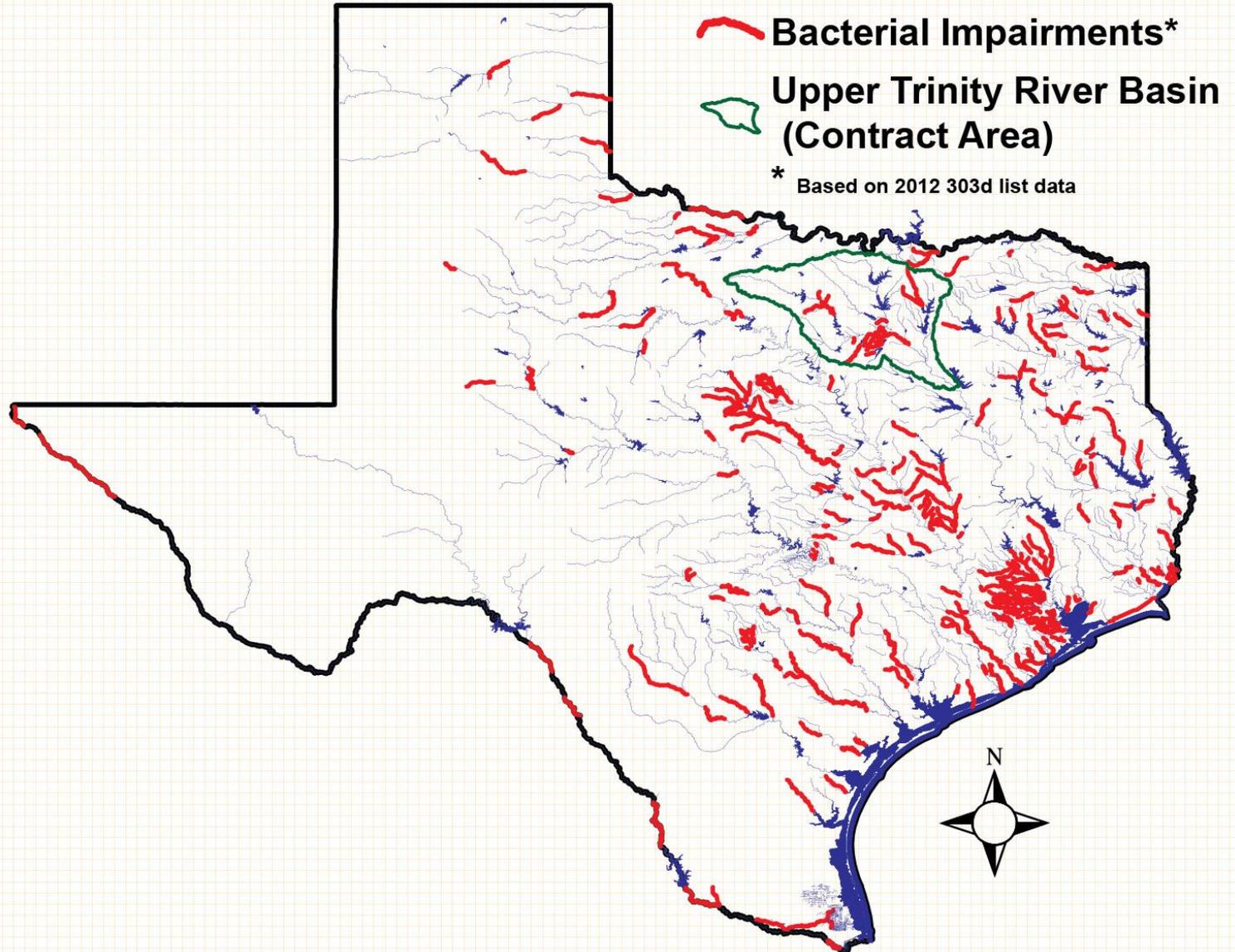


# NEW PERFORMANCE MEASURE WQ27

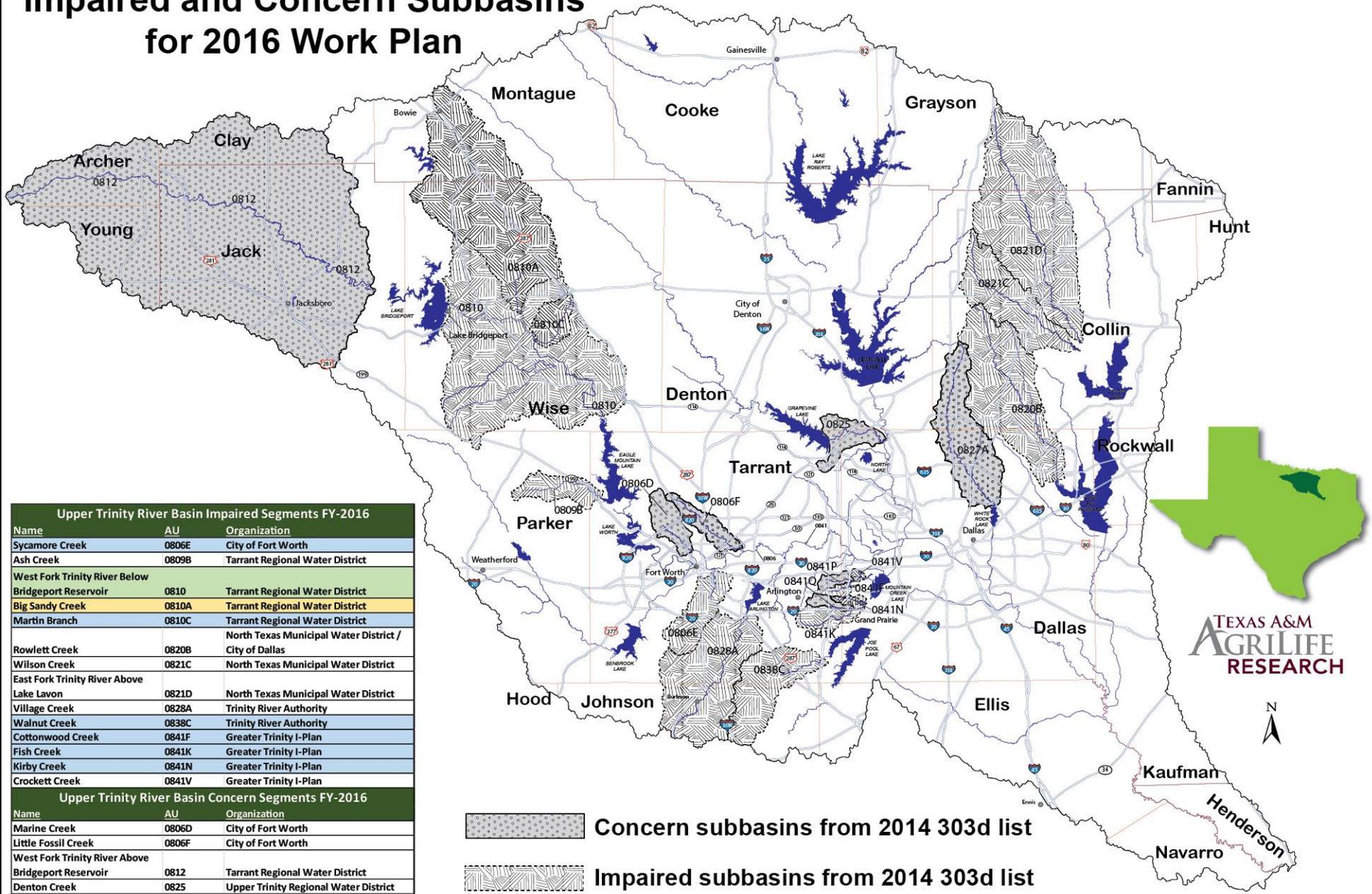
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- **4 Elements**
  - Priority Waters
  - Universe
  - Baseline
  - Targets
- **Performance Measure starts 2016**
- **The goals will be set for 2016 - 2022**

# Priority Waters



# Impaired and Concern Subbasins for 2016 Work Plan



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RESEARCH

### Upper Trinity River Basin Impaired Segments FY-2016

Name	AU	Organization
Sycamore Creek	0806E	City of Fort Worth
Ash Creek	0809B	Tarrant Regional Water District
West Fork Trinity River Below Bridgeport Reservoir	0810	Tarrant Regional Water District
Big Sandy Creek	0810A	Tarrant Regional Water District
Martin Branch	0810C	Tarrant Regional Water District
Rowlett Creek	0820B	North Texas Municipal Water District / City of Dallas
Wilson Creek	0821C	North Texas Municipal Water District
East Fork Trinity River Above Lake Lavon	0821D	North Texas Municipal Water District
Village Creek	0828A	Trinity River Authority
Walnut Creek	0838C	Trinity River Authority
Cottonwood Creek	0841F	Greater Trinity I-Plan
Fish Creek	0841K	Greater Trinity I-Plan
Kirby Creek	0841N	Greater Trinity I-Plan
Crockett Creek	0841V	Greater Trinity I-Plan

### Upper Trinity River Basin Concern Segments FY-2016

Name	AU	Organization
Marine Creek	0806D	City of Fort Worth
Little Fossil Creek	0806F	City of Fort Worth
West Fork Trinity River Above Bridgeport Reservoir	0812	Tarrant Regional Water District
Denton Creek	0825	Upper Trinity Regional Water District
White Rock Creek Above White Rock Lake	0827A	City of Dallas
North Fork Cottonwood Creek	0841P	Greater Trinity I-Plan
North Fork Fish Creek	0841Q	Greater Trinity I-Plan

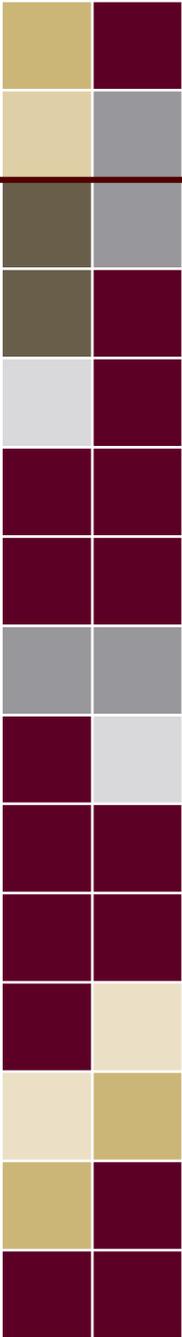
RUAAs Complete - TCEQ Developing Recommendation  
 Recommended to Retain PCR  
 Recommended to Change to SCR1



Concern subbasins from 2014 303d list



Impaired subbasins from 2014 303d list



# BASELINE

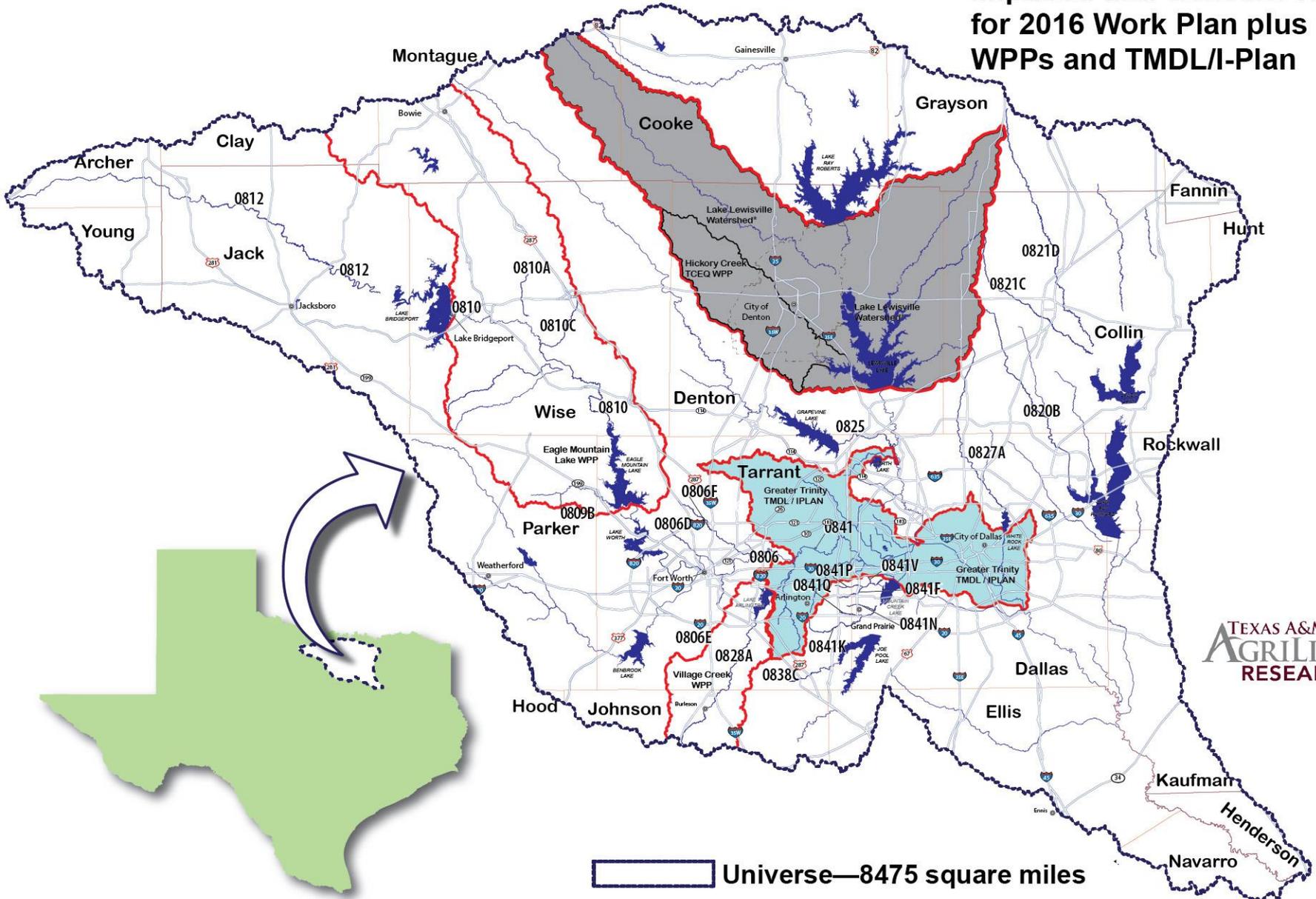
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**The Baseline is the percentage of the Universe that has an approved plan in place [Starting Point]**

**Approved plans include**

- TCEQ adopted and EPA approved TMDL with TCEQ approved Implementation Plan**
- EPA approved Watershed Protection Plan**

# Impaired and Concern Waters for 2016 Work Plan plus WPPs and TMDL/I-Plan



- Universe—8475 square miles
- Baseline—402 square miles
- WPP or TMDL/I-Plan (Active or Complete)

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# TARGETS

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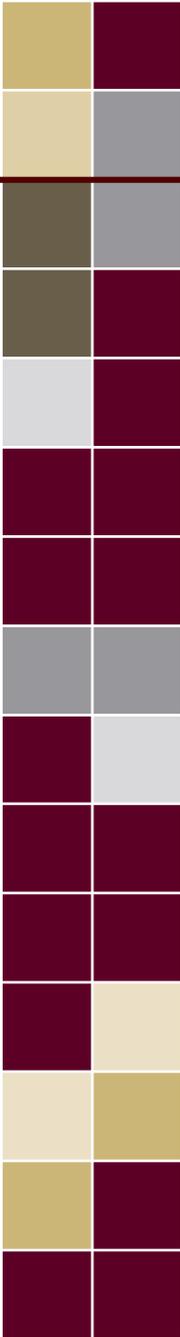
**The extent of areas within the Universe projected to have a TMDL/I-Plan, Watershed Protection Plan, or other per year by 2022**



# TARGETS

Coordinating Committee will identify annual commitments in each fiscal year to work toward the 2022 target

- The commitments to watershed based plans will be small in the initial years because of the initial work needed for outreach and education so stakeholders can make an informed decision on the approach to be used in their



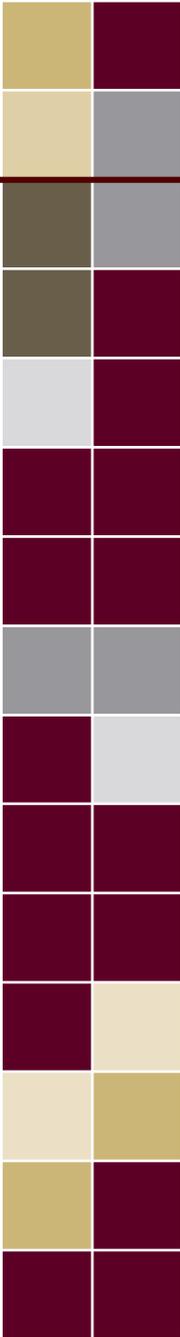
# Time Frame

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## 7 years to complete the plans

### Years 1-4

- Initial outreach to raise awareness in the watershed
- Determine the need for Recreational Use Attainability Analyses (RUAAs) and additional sampling
- Complete the RUAAs and sampling



# Time Frame

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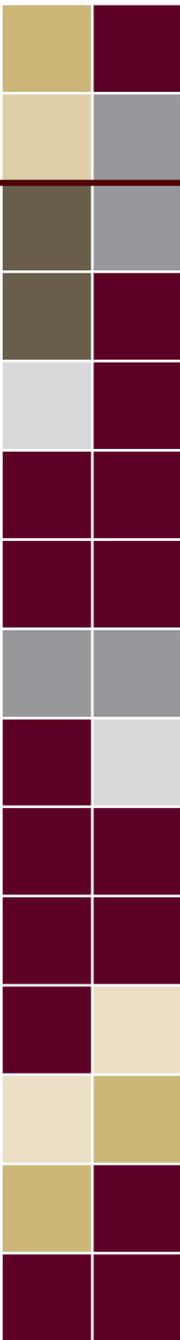
## Years 4-7

- Coordinating Committee will determine what approach will be used to develop plans
- Develop plans
  - TMDL/Implementation Plan
  - Watershed Protection Plan
  - Both
  - Other

# Upper Trinity River Basin Score Card Draft 10/27/2015

Listed Stream Segments	Square miles	Projected completion year	Percent area
<b>Impaired, Plus Concern Watershed Targets</b>			
Cottonwood Creek - 0841F_01	6	<b>2016</b>	
North Fork Cottonwood Creek - 0841P	6		
Fish Creek - 0841K_01	20		
North Fork Fish Creek - 0841Q	6		
Kirby Creek - 0841N_01	33		
Crockett Branch - 0841V_01	1		
Marine Creek - 0806D_01	22		
Little Fossil Creek - 0806F_01	20		
Sycamore Creek - 0806E_01	37		
<b>Subtotal</b>	<b>151</b>		
West Fork Trinity River Below Bridgeport Reservoir - 0810	310	<b>2017</b>	
West Fork Trinity River Above Bridgeport Reservoir - 0812	798		
Big Sandy Creek - 0810A_01	228		
Martin Branch - 0810C_01	21		
Ash Creek - 0809B_01	27		
<b>Subtotal</b>	<b>1384</b>		<b>61%</b>
Denton Creek - 0825	25	<b>2018</b>	
Village Creek - 0828A_01	121		
Walnut Creek - 0838C_01	67		
<b>Subtotal</b>	<b>213</b>		<b>9%</b>
Rowlett Creek - 0820B_01	137	<b>2020</b>	
White Rock Creek above White Rock Lake - 0827A_01	84		
<b>Subtotal</b>	<b>221</b>		<b>10%</b>
Wilson Creek - 0821C_01	76	<b>2021</b>	
East Fork Trinity River above Lake Lavon - 0821D_01	209		
<b>Subtotal</b>	<b>285</b>		<b>13%</b>
<b>Targeted</b>	<b>2254</b>		<b>100%</b>

# Denotes Assessment Units of concern



# Contact

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