



CRP Activities in Kerr County

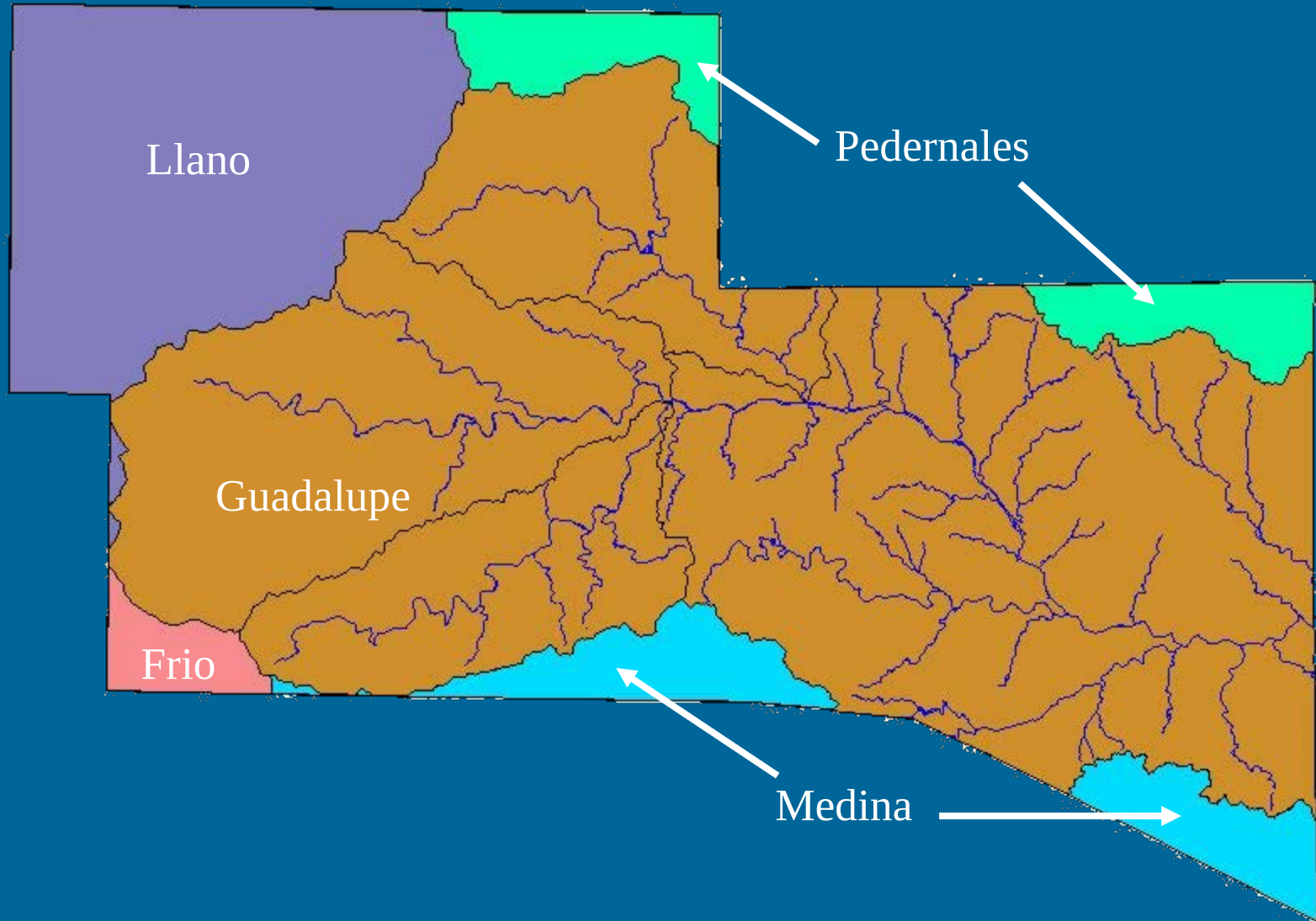
Tara Bushnoe

Natural Resources Coordinator
Upper Guadalupe River Authority

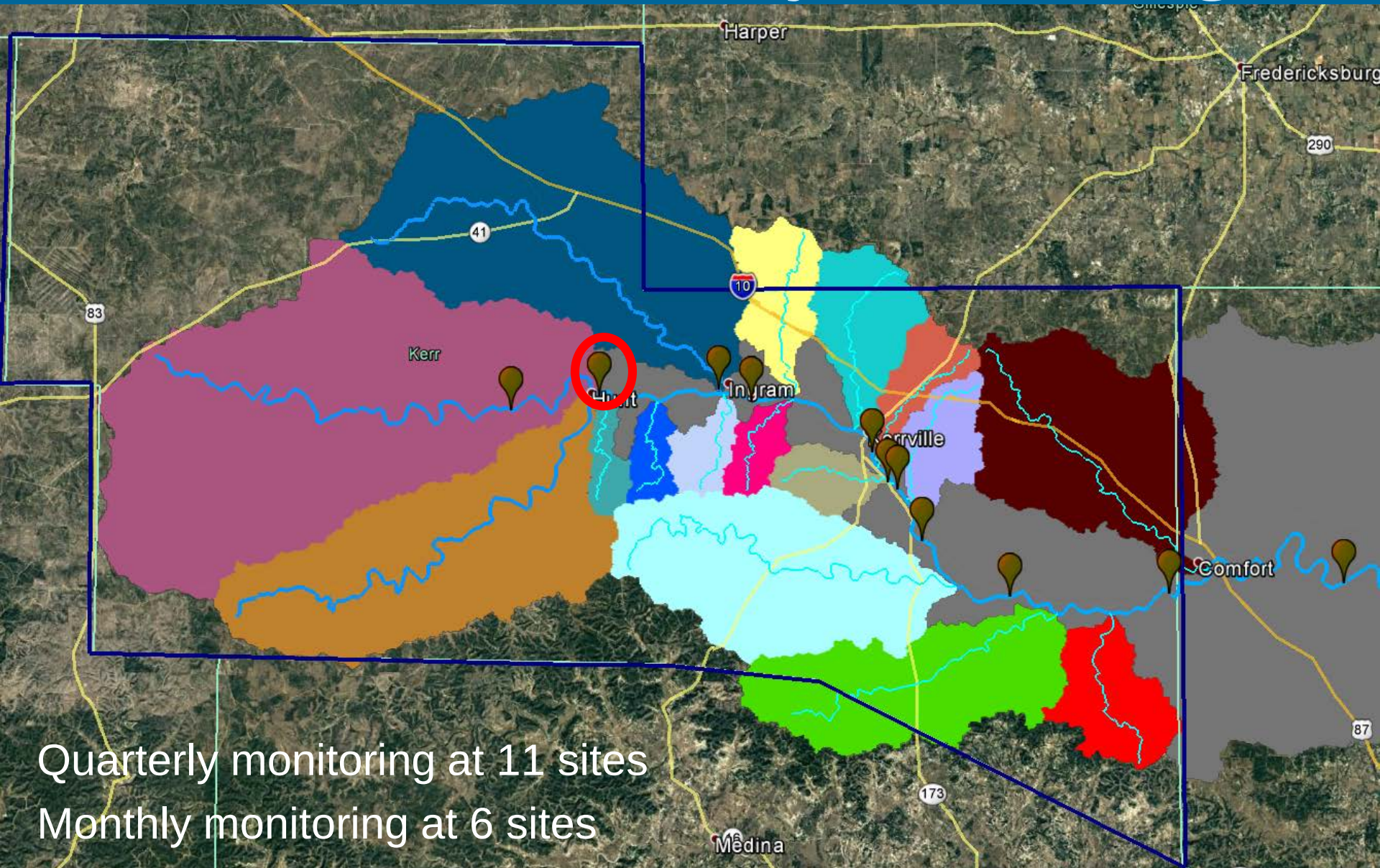




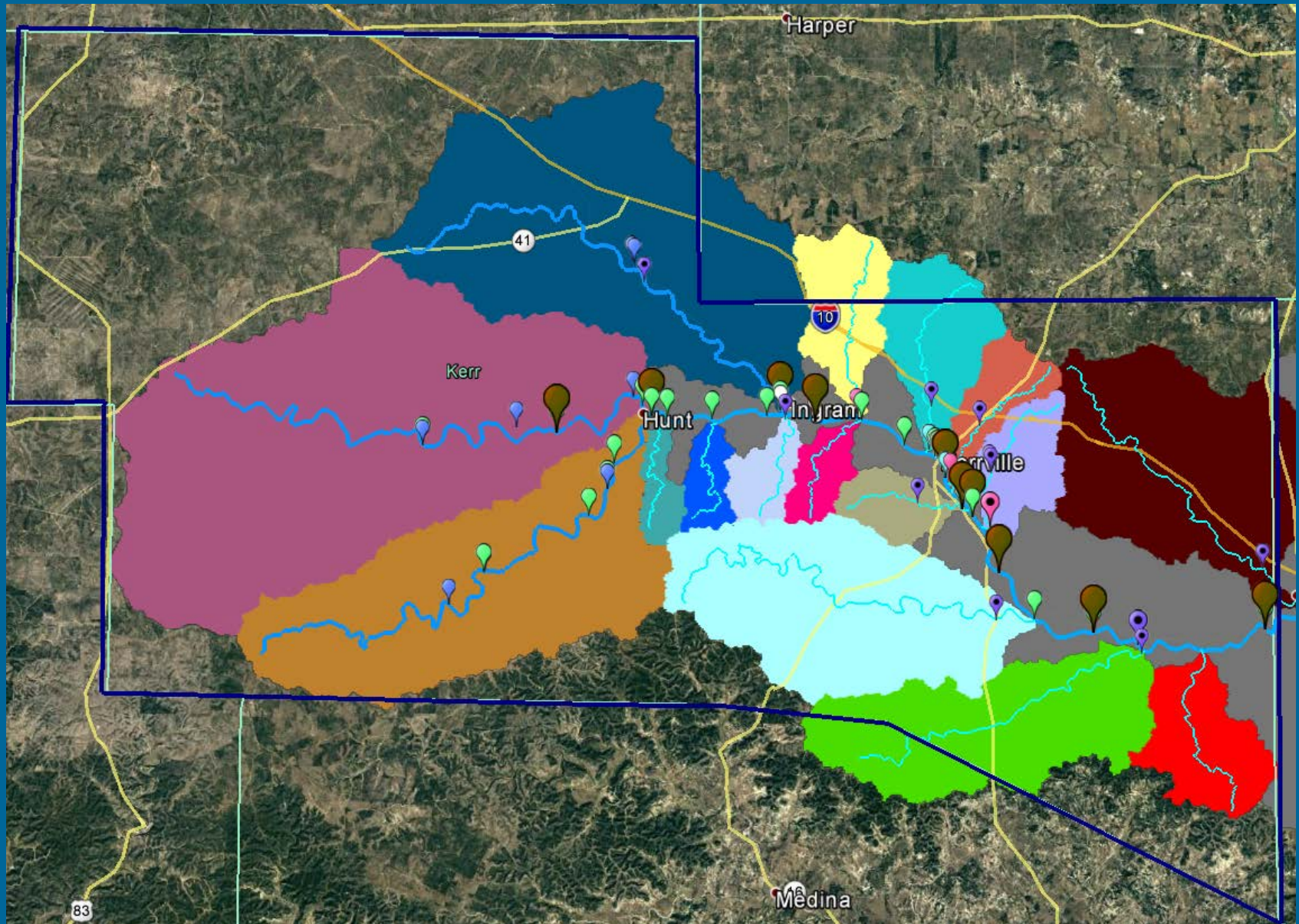
Kerr County Watersheds and Sub Watersheds



CRP Water Quality Monitoring



UGRA Water Quality Monitoring



WQ Monitoring Summary 2017

■ CRP

- 16 sampling events
- 16 sites
- 1,052 parameters tested

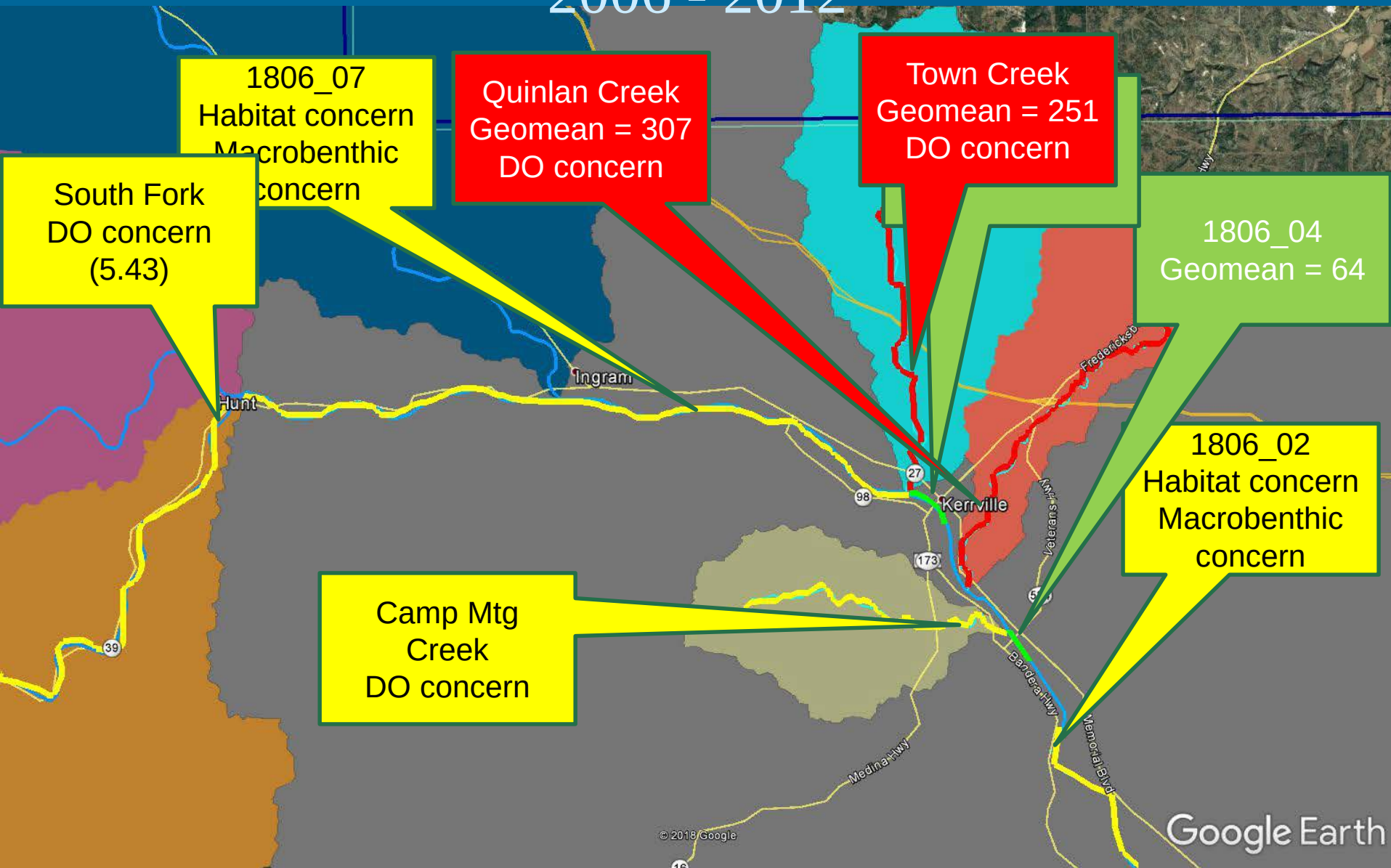


■ UGRA Water Quality Programs

- 40 sampling events
- Over 40 sites
- 1,465 parameters tested
- 8 water quality investigations

2014 Integrated Report Findings

2006 - 2012



Camp Meeting Creek



Average Flow = 1.3 cfs

Camp Meeting Creek 2003 - 2016

AU 1806A_01 General Use					
Parameter	Mean	Maximum	Minimum	# of Measurements	Screening Criteria
Temperature (° C)	20.4	32	4.7	191	30.00
pH	7.5	8.2	6.8	187	6.5 – 9.0
Chloride (mg/L)	40.1	61.1	14.4	64	50.00
Sulfate (mg/L)	39.7	72.3	12.5	65	50.00
Total Dissolved Solids (mg/L)	467	1,106	150	190	400.00
NH3-N (mg/L)	<1	<1	<0.03	9	0.33
Total Phosphorus (mg/L)	0.05	0.71	<0.04	65	0.69
Chlorophyll-a (µg/L)	1.5	9.6	<1	64	14.1
Nitrate Nitrogen (mg/L)	0.65	2.5	<0.05	49	1.95
TKN (mg/L)	0.41	1.0	<0.05	29	N/A
AU 1806A Recreational Use					
E. coli (MPN/100 mL)	130 Geomean	>2400	3	166	126 Geomean
AU 1806A Aquatic Life Use					
Dissolved Oxygen (mg/L)	6.7	13.0	1.8	189	≥4.0 Minimum (≥2.0 Minimum Jul-Sep) ≥6.0 Average

Town Creek



Average Flow = 2.1 cfs

Town Creek 2005 - 2016

AU 1806E General Use					
Parameter	Mean	Maximum	Minimum	# of Measurements	Screening Criteria
Temperature (° C)	20.1	30.0	3.8	153	30.00
pH	7.8	9.8	6.8	151	6.5 – 9.0
Total Dissolved Solids (mg/L)	376	696	131	153	400.00
AU 1806A Recreational Use					
E. coli (MPN/100 mL)	267 Geomean	>2400	8	135	126 Geomean
AU 1806A Aquatic Life Use					
Dissolved Oxygen (mg/L)	6.1	11.7	0.7	153	≥4.0 Minimum & ≥6.0 Average

Quinlan Creek



Average Flow = 0.8 cfs

Quinlan Creek 2005 - 2016

AU 1806A General Use					
Parameter	Mean	Maximum	Minimum	# of Measurements	Screening Criteria
Temperature (° C)	21.8	34.0	5.0	120	30.00
pH	8.0	9.0	6.8	119	6.5 – 9.0
Total Dissolved Solids (mg/L)	387	657	91	120	400.00
AU 1806A Recreational Use					
E. coli (MPN/100 mL)	300 Geomean	>4800	10	102	126 Geomean
AU 1806A Aquatic Life Use					
Dissolved Oxygen (mg/L)	8.0	18.8	0.5	120	≥4.0 Minimum & ≥6.0 Average

Bacteria Reduction Plan

- Implementation Plan – 2011
- Town and Quinlan Impairments – 2011
- Technical Support Document – 2017
- Implementation Plan Revision - 2018

Accessing Data

GBRA: <http://gbra.org/crp/sites.aspx>

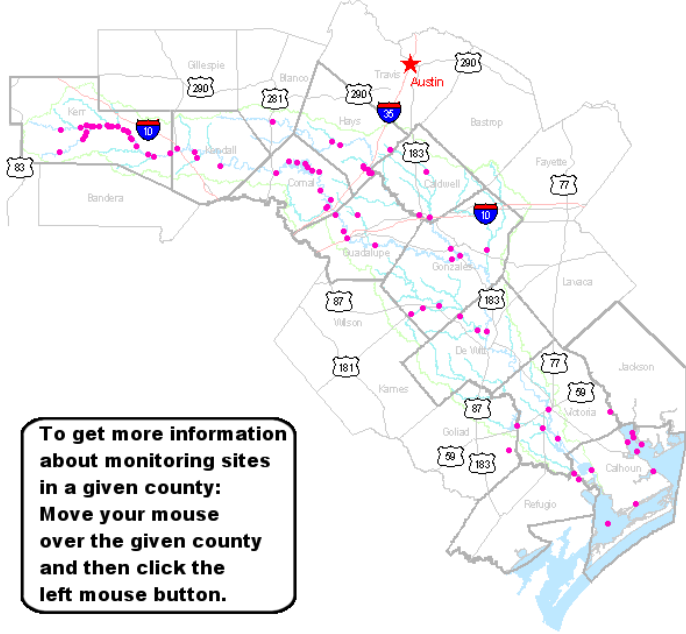


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Geronimo Creek Watershed Plum Creek Watershed Clean Rivers Program Regional Laboratory

Monitoring Sites Map



To get more information about monitoring sites in a given county:
Move your mouse over the given county and then click the left mouse button.

Clean Rivers Program:

- Overview
- Water Quality Data Collection
- Special Studies
- Basin Data Analysis
- Public Participation

Monitoring Sites:

Maps and Data for Monitoring Sites

- Blanco
- Caldwell
- Calhoun
- Comal
- DeWitt
- Goliad
- Gonzales
- Guadalupe
- Hays
- Jackson
- Kendall
- Kerr
- Victoria

Water Quality:

- Regional Laboratory
- Plum Creek Watershed
- Geronimo Creek Watershed

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Accessing Data

- TCEQ Surface Water Quality Monitoring
- <https://www.tceq.texas.gov/waterquality>

Data and Maps

- **Surface Water Quality Data Viewer**
Use this viewer to locate monitoring stations and download water quality data.
- **Clean Rivers Program Data Tool**
Extract data from the TCEQ's Surface Water Quality Information System (SWQMIS).
- **SWQMIS Parameter Search**
A query tool for finding physical, chemical, and biological data available in SWQMIS.
- **Managing Surface Water Quality Data**
Guidance and forms for submitting or requesting water quality data from SWQMIS.
- **Texas Water Data**
An index of available water quality data.
- **Hydrography Maps and Data**
Atlas of Texas Surface Waters and GIS data for classified segments and other hydrology layers.

Public Outreach Activities

40 events in 2017

- Volunteer Summer Study
- Classes
- Special Events
- Workshops
- Radio Programs

- Newspaper articles
- Commercials
- Information booths
- River Clean Ups



2,750 members of the public

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Yellow-crowned Night Heron by T.O. Navarrette