



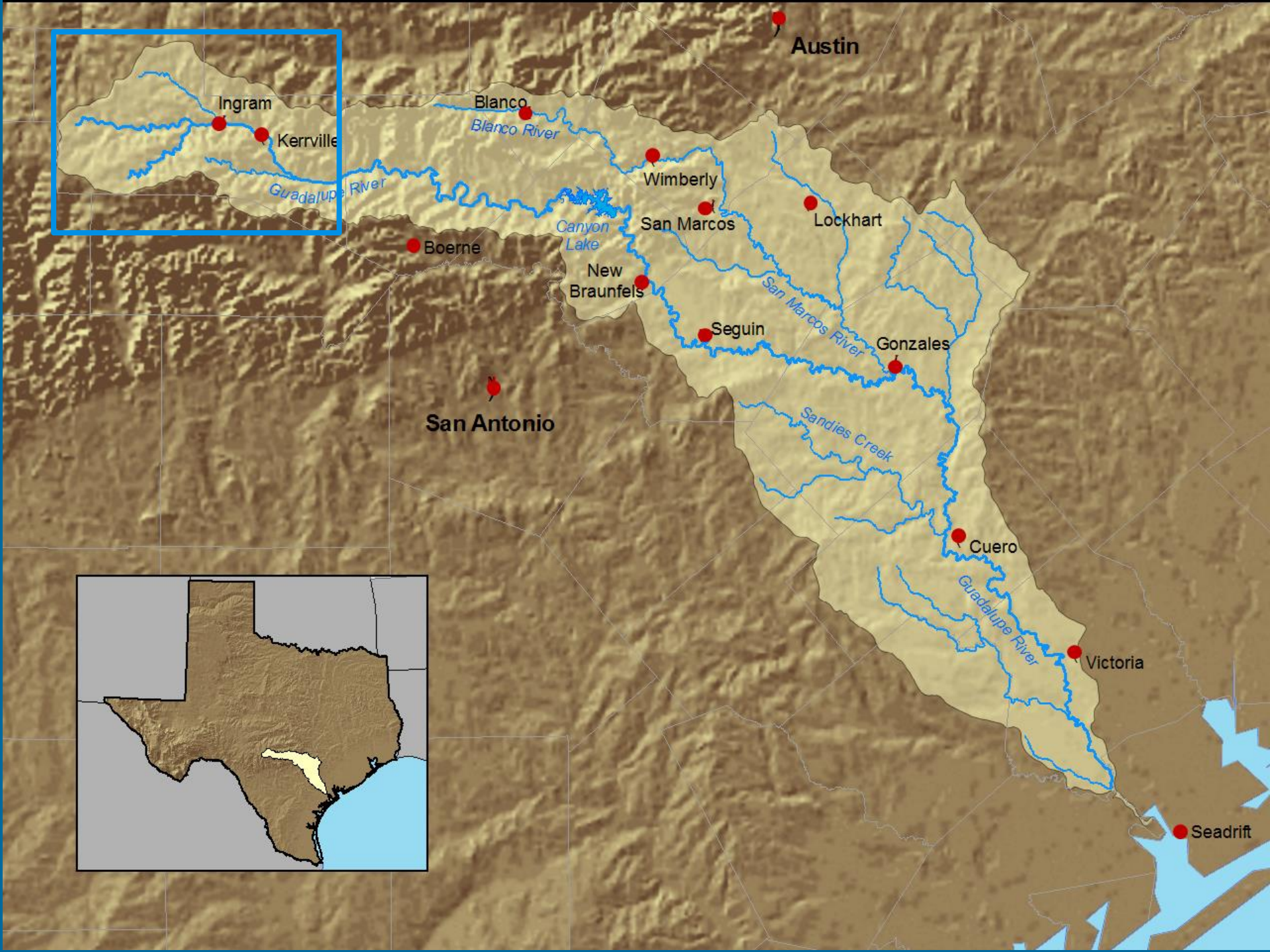
CRP Activities in Kerr County

Tara Bushnoe

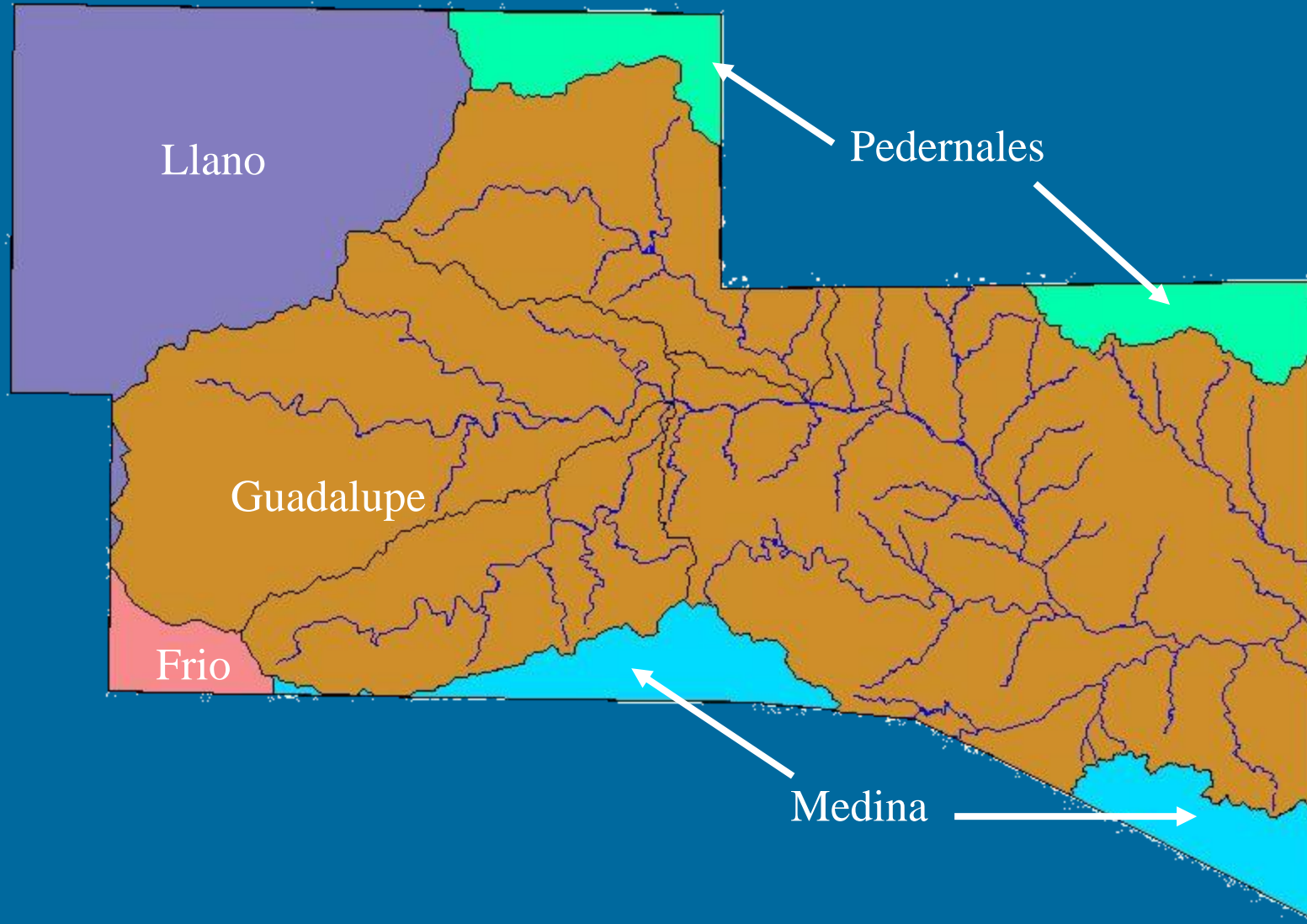
Upper Guadalupe River Authority

Natural Resources Coordinator

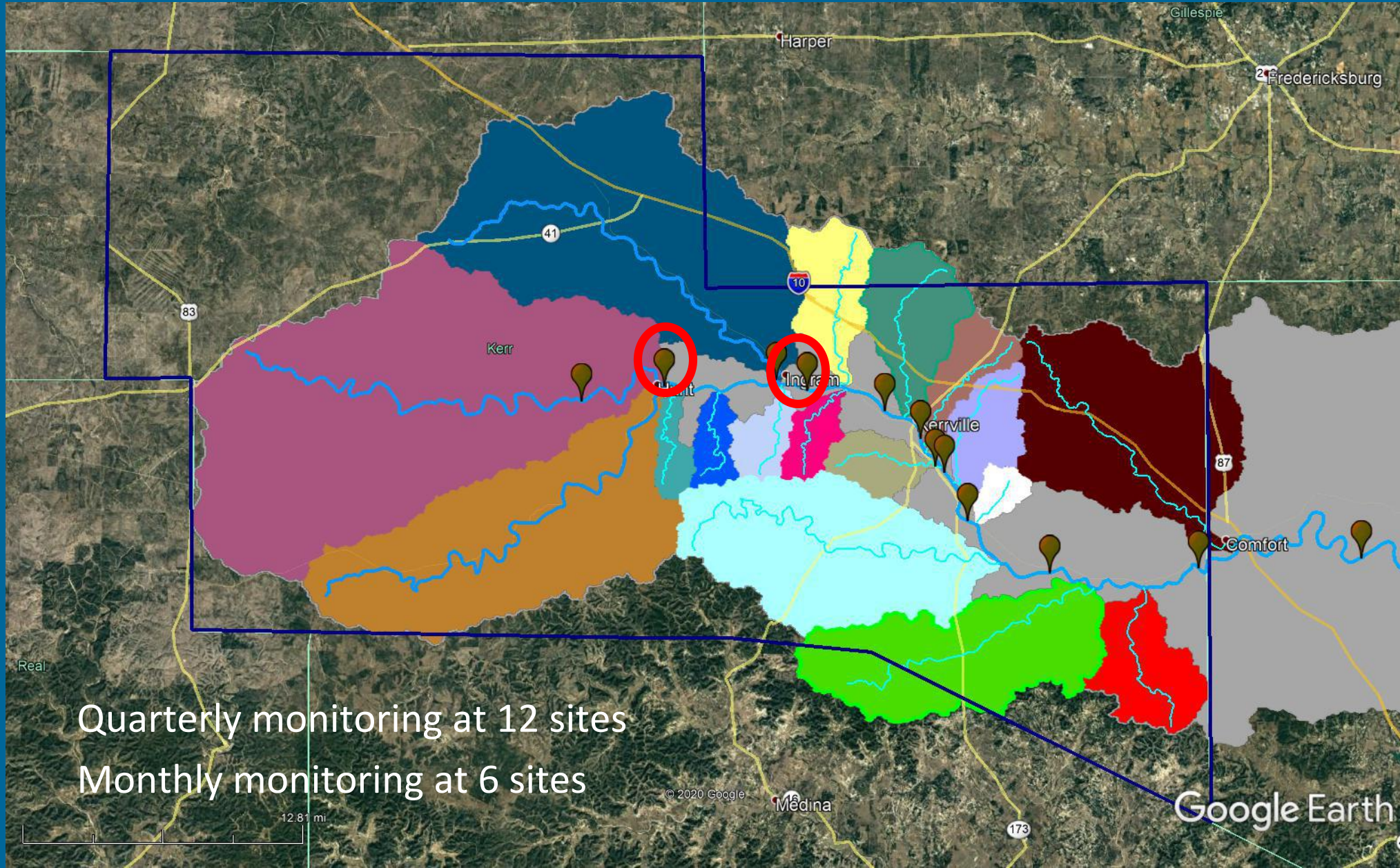




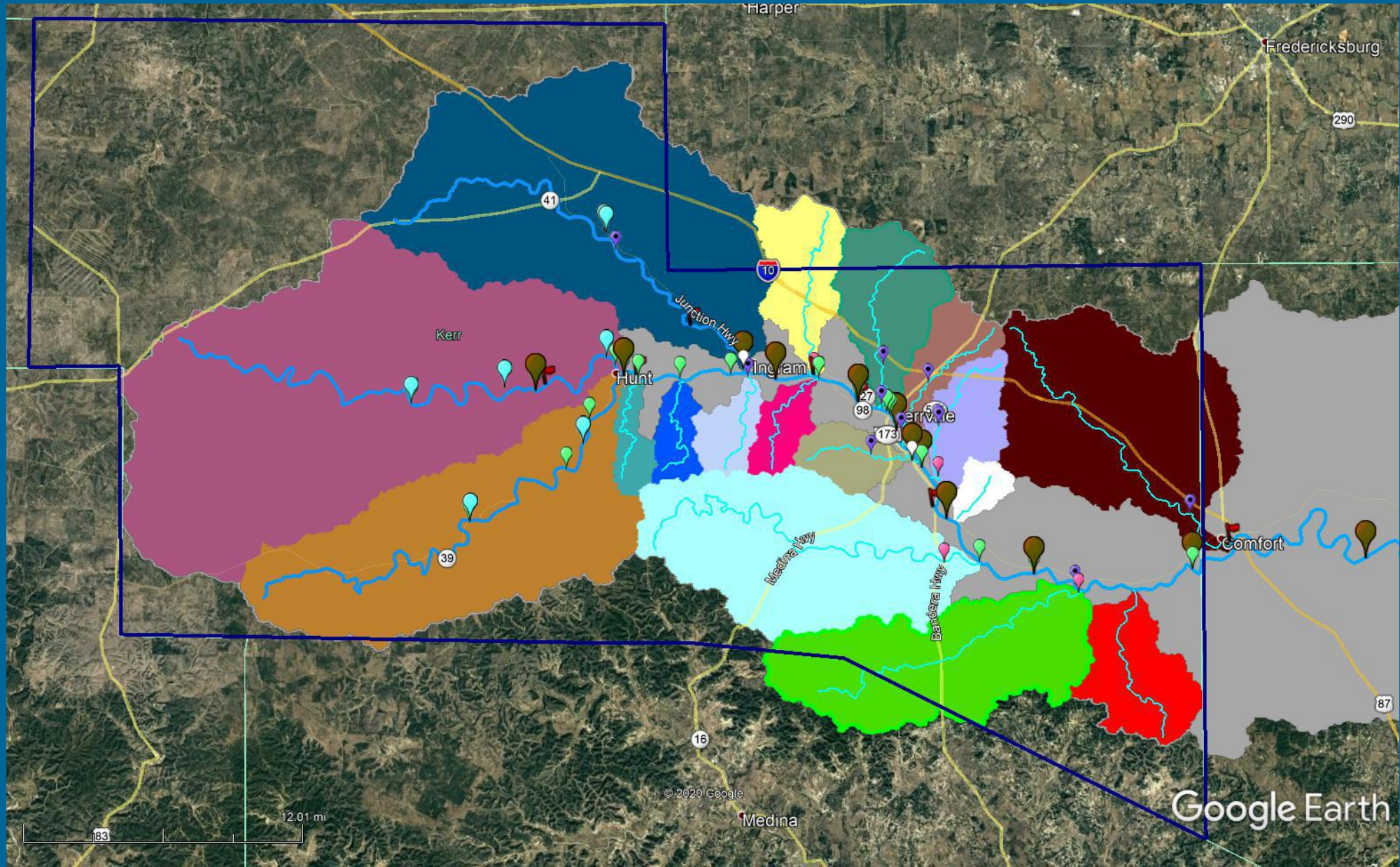
Kerr County Watersheds and Sub Watersheds



CRP Water Quality Monitoring



UGRA Water Quality Monitoring



WQ Monitoring Summary 2020

■ CRP

- 16 sampling events
- 17 sites
- 1,112 parameters tested

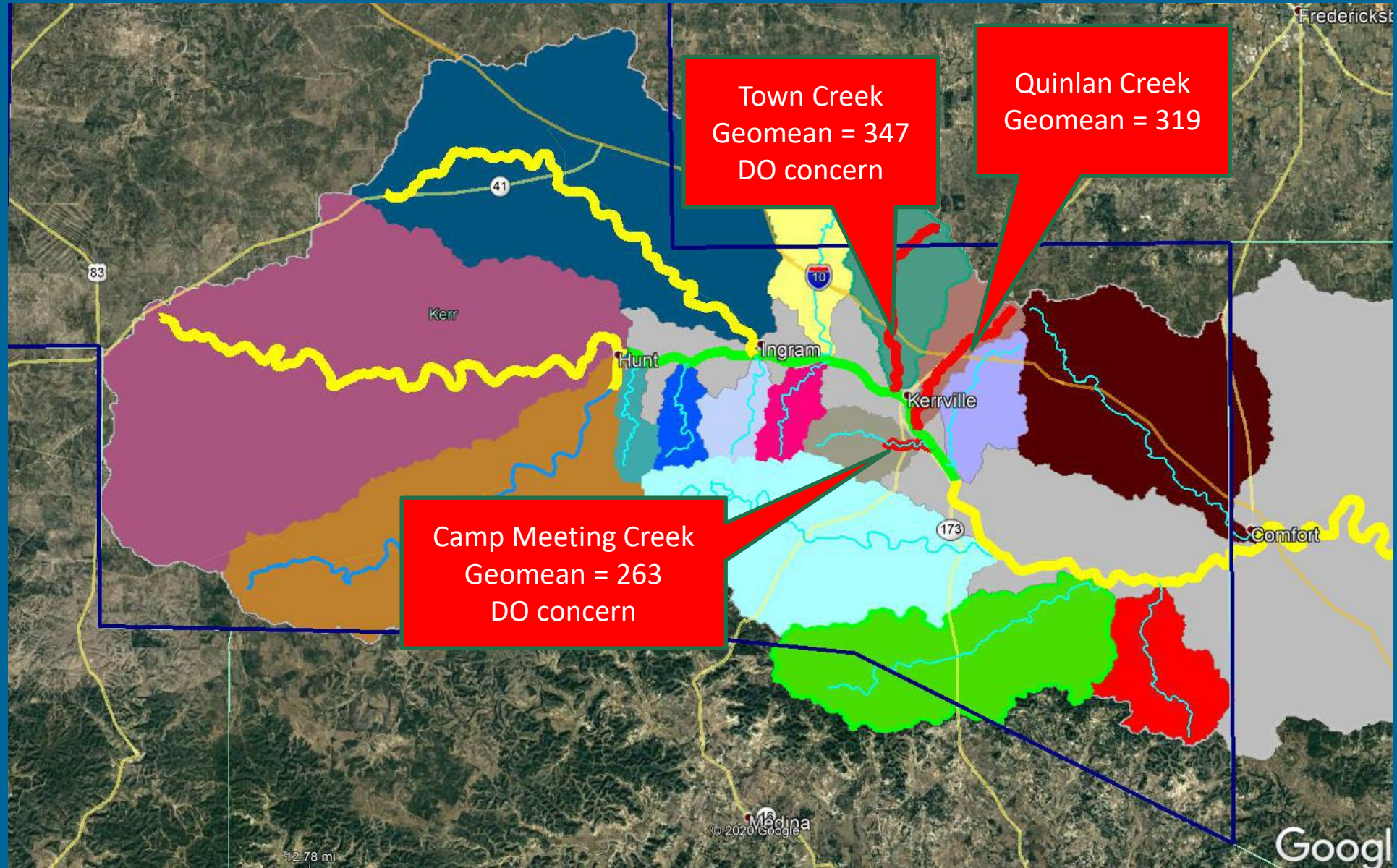
■ UGRA Water Quality Programs

- 36 sampling events
- 40 sites
- 1,278 parameters tested
- 9 water quality investigations



2020 Integrated Report Findings

12/11 – 11/18



Bacteria Reduction Plan

- Mainstem Impairments - 2002
- TMDL - 2007
- Implementation Plan – 2011
- Town and Quinlan Impairments – 2011
- Technical Support Document – 2017
- Implementation Plan Revision – 2018
- Camp Meeting Impairment – 2018
- Technical Support Document – 2021

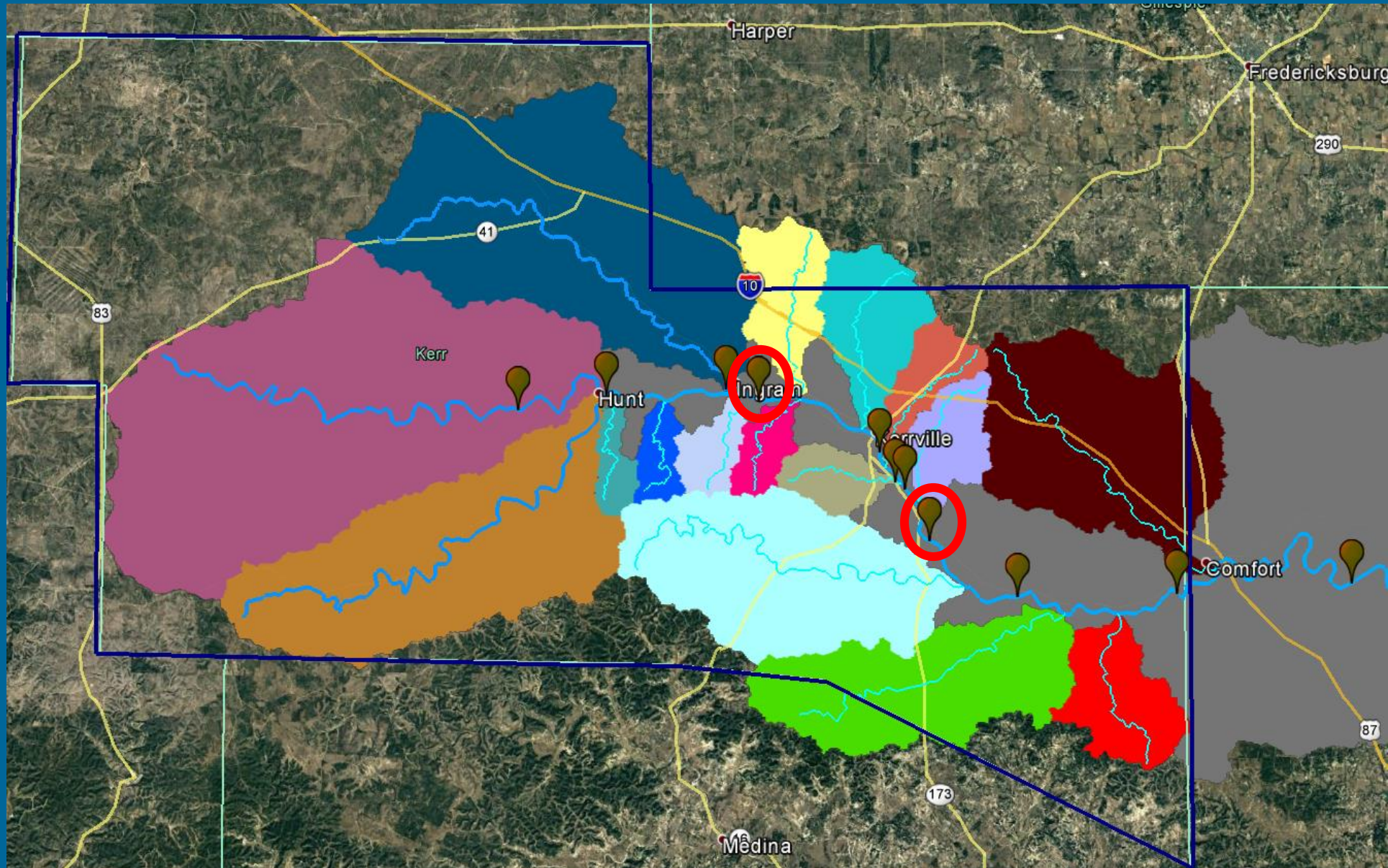


Bacteria Reduction Plan Implementation Status

- Reduce Bacteria Contributions
 - Wildlife
 - Humans
 - Pet Waste
 - Urban Runoff
- Preserve Riparian Areas
- Promote Green Infrastructure



Water Quality Across Kerr County



Guadalupe River at Riverview (15111)



Guadalupe River at Splitrock (15113)



Water Quality Comparison


General Use			
Parameter	Riverview Mean	Splitrock Mean	Screening Criteria
Temperature (° C)	20.3	21.6	30.00
Flow	68	73	NA
pH	8.1	8.2	6.5 – 9.0
Chloride (mg/L)	17.2	27.4	50.00
Sulfate (mg/L)	10.1	16.5	50.00
Total Dissolved Solids (mg/L)	289	315	400.00
NH3-N (mg/L)	NA	0.11	0.33
Total Phosphorus (mg/L)	<0.04	0.05	0.69
Chlorophyll-a (µg/L)	1.1	2.0	14.1
Nitrate Nitrogen (mg/L)	0.24	0.56	1.95
TKN (mg/L)	0.27	0.39	NA
Recreational Use			
E. coli (MPN/100 mL)	40 Geomean	27 Geomean	126 Geomean
Aquatic Life Use			
Dissolved Oxygen (mg/L)	8.6	9.8	≥4.0 Minimum & ≥6.0 Average



Public Outreach Activities - 2020



- Workshop
- Radio PSAs
- Newspaper articles and ads
- Volunteer Summer Study
- River Clean Up
- Virtual seminars, presentations
- Virtual EduScape tours
- Virtual 2nd Grade Science Day

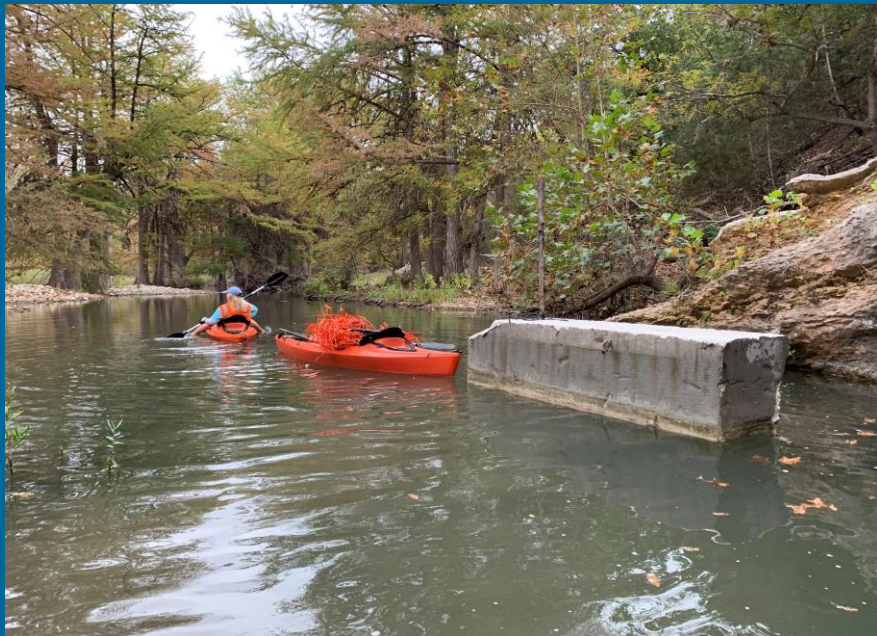


Streamside Landowner Workshop – Part III Agenda

- Welcome
 - Tara Bushnoe, Upper Guadalupe River Authority
- Summary of Streamside Landowner Workshop series
 - Daniel Oppenheimer, Hill County Alliance
- YMCA Roberts Ranch Video Update and Photo Points
 - Ryan McGillicuddy, Texas Parks and Wildlife Department
 - Steve Nelle, NRCS-Retired
- Your Questions
- Finding the Right Balance: Targeted Access and Grow Zones
 - Shane Kiefer, Plateau Land & Wildlife Management
- Next Steps
- More of Your Questions



UGRA's 2020
River Clean Up - Reimagined
July - October 2020



UGRA SCIENCE DAY AT RIVERSIDE NATURE CENTER

The Upper Guadalupe River Authority and [Riverside Nature Center](#) are longstanding educational partners. Since 2018, the UGRA Board has approved funding to offer the UGRA 2nd Grade Science Day at Riverside Nature Center field trip to all Kerr County 2nd graders. We look forward to resuming in person field trips with area students and educators very soon. Until then, we offer you the following videos presented by educators from UGRA, Riverside Nature Center, and the Hill County Master Gardeners. Regardless of your age, we encourage you to explore the videos and enjoy learning more about the Guadalupe River and the natural world.

FOR 2ND GRADE TEACHERS

If you are a Kerr County 2nd grade teacher, be sure to watch the intro video below to find out how to receive activity packets to complement each of the four lessons. Contact Tara Bushnoe with questions (tbushnoe@ugra.org).

Once you complete the videos and activities with your students, please complete this [SURVEY](#).

2nd Grade Teacher Intro Video



UGRA 2nd
Grade Science
Day at
Riverside



Copy link



Life Cycles



Watch on YouTube

LIFE CYCLES

Watch on YouTube



River of Life



Copy link

RIVER OF LIFE

Watch on YouTube



Decomposers



Copy link

DECOMPOSERS



Copy link

ADAPTATIONS



Tara Bushnoe
(830) 896-5445
tbushnoe@ugra.org