Clean Rivers Program Guadalupe River Basin

GBRA Update

Lee Gudgell
March 19, 2019

GBRA Clean Rivers Program Operating Budget

FY 2018-FY2019 Budget		
FY 2018 (09/01/2017-08/31/2018)	FY 2019 (09/01/2018-08/31/2019)	FY2018-FY2019 (9/01/2018-08/31/2019)
$135,378.00	$135.378.00 + $31,083.00 Amendment*	$301,839.00

*FY19 Amendment for Labor & Equipment

New Equipment Purchases

Clean Rivers Program Water Quality Monitoring

Sampling Entity	Conventional, Field & Bacteria	Biological & Habitat	24 Hour DO
GBRA	19 Sites Monthly; 13 Sites Quarterly	3 Sites 2x a year	3 Sites 5x a year
UGRA	11 Sites Quarterly; 6 Bacteria Sites Monthly		1 Site 2x a year
TCEQ	9 Sites Quarterly		
WVWA	5 Sites Quarterly		

Watersheds of the Guadalupe River and Lavaca-Guadalupe Coastal Basins
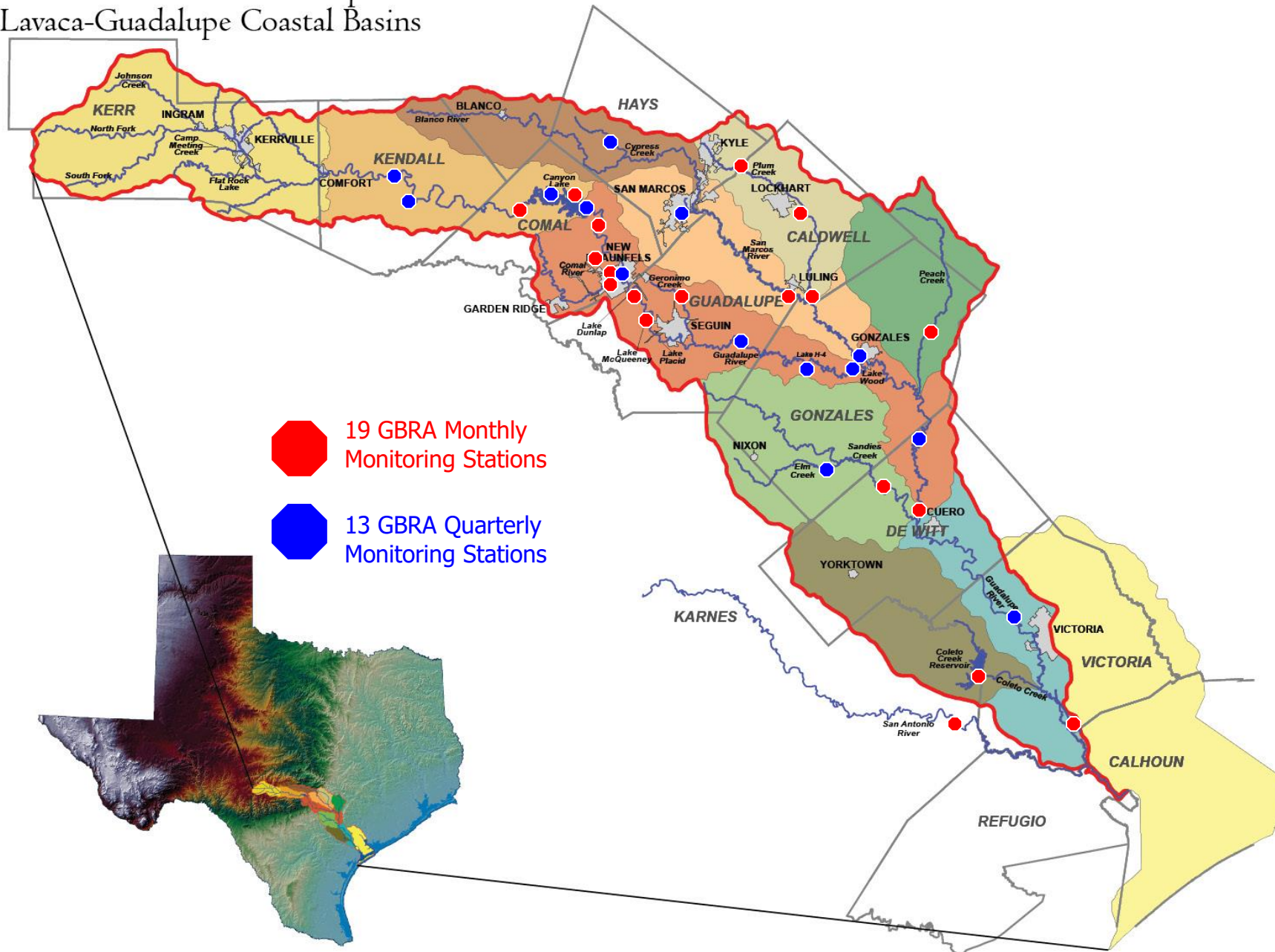
Monitoring Data

Stream assessments – Texas Water Quality Inventory

2016 Draft Texas Integrated Report for the Clean Waters Act Section 305(b) and 303(d) (Guadalupe River Basin)

Draft 2016 Texas Integrated Report - Assessment Results for Basin 18 - Guadalupe River Basin

| Report Abbreviations	Description:
SEGID:	Unique Segment identification alpha-numeric code; can be stream, reservoir, estuary, oyster waters, beach watch, etc.
AUID:	Unique Assessment Unit code; this is a portion of the segment the AUID begins with and ends with _01, _02, etc. Some AUIDs are special units ending in "SA," or oyster water AUIDs are indicated by "OW" and beach watch AUIDs are indicated by abbreviations for name of beach in AUID.
ASMT Start Date:	The start date of the period of record data for this method was selected; the official 2016 period of record is from 12/1/2007 to 11/30/2014. Assessors have the option of going back 10 years (12/1/2004) to select more data, according to assessment guidance.
ASMT End Date:	The end date of the period of record data for this method was selected; the official 2016 period of record dates are 12/1/2007 to 11/30/2014. Assessors have the option of including more recently collected data than 12/01/2014, if available.
# Assd:	Number of samples assessed; some data are averaged, as with profile data, some are eliminated because criteria do not apply during certain conditions such a s low flow.
Mean Assd:	Mean of samples assessed; includes averaged methods like chronic criteria as well as geometric mean calculations for bacteria.
# Exceed:	The number of samples that exceed criteria for single sample, or binomial, methods (not averaged data).
Mean Exceed:	This is the mean of the samples that exceeded criteria for the single sample, or binomial, methods (not averaged data).
Criteria:	Value that the data is compared against to determine level of support; Note: for acute metals in water, each value is compare d to a calculated criterion and not all criteria could be reported here, only the minimum in the range of criteria calculated are included.
DS Qual:	*Dataset Qualifier - indicates sample sizes:* **AD** = Adequate Data (10 or more samples) **TR** = Temporally Not Representative, used with NA **LD** = Limited Data (less than 9, greater than 3) **SR** = Spatially Not Representative, used with NA **ID** = Inadequate Data (less than 4) **OE** = Other information than ambient samples evaluated **JQ** = Level of support is based on judgment of the assessor **OS** = Assessment area outside state boundaries **SM** = This assessment method is superseded by another method
LOS:	*Level of support for this use, method, assessment parameter:* **FS** = Fully Supporting **NS** = Nonsupport **NC** = No Concern **CS** = Screening Level Concern **NA** = Not Assessed **CN** = Use Concern
CF:	Carry forward indicator check box: indicates that the Integrated level of support of CS, CN, or NS was carried forward from a previous assessment due to inadequate data for this method in this assessment.
Int LOS:	Integrated level of support. This is the overall level of support for this use, method, parameter group, which could be different from t he LOS (described above) due to carry forward information or other types of changes. New Code added in 2010: PI = Pending Issue
TCEQ Cause:	This is the impairment description (e.g., bacteria, depressed dissolved oxygen, etc.)

Cat:	**Category 3:** Insufficient or no data and information to determine if standard is attained
	Category 4: Standard is not attained or nonattainment is predicted in the near future due to one or more parameters, but no TMDLs are r equired.
	    4a - All TMDLs have been completed and approved by EPA.
	    4b - Other pollution control requirements are reasonably expected to result in the attainment of the water quality standard in the near future.
	    4c - Nonattainment of the standard for one or more parameters is shown to be caused by pollution, not by pollutants and that the water quality conditions cannot be changed by the allocation and control of pollutants through the TMDL process.
	Category 5: Standard is not attained or nonattainment is predicted in the near future for one or more parameters.
	    5a - TMDLs are underway, scheduled, or may be scheduled for one or more parameters.
	    5b - review of the standards for one or more parameters will be conducted before a management strategy is selected, including a po ssible revision to the water quality standards.
	    5c - Additional data or information will be collected and/or evaluated for one or more parameters before a management strategy is selected.

Draft 2016 Texas Integrated Report (12/01/07 – 11/30/14)
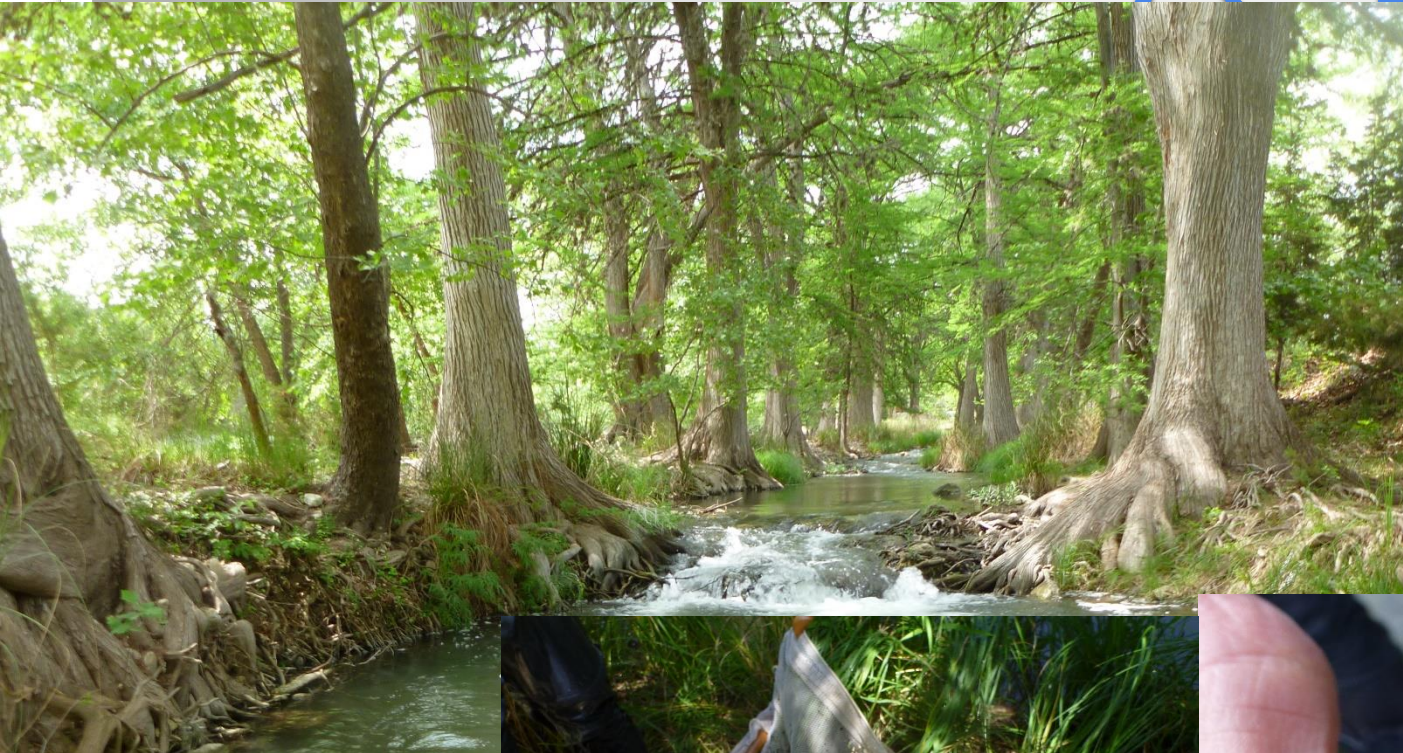
Guadalupe River Basin	
Impairments	**10 Segments**
Bacteria	7 Segments
Depressed Dissolved Oxygen	3 Segments
Impaired Macroinvertebrate & Fish Communities	1 Segment
Mercury in Edible Fish Tissue	1 Segment

16 segments have other concerns such as nutrients
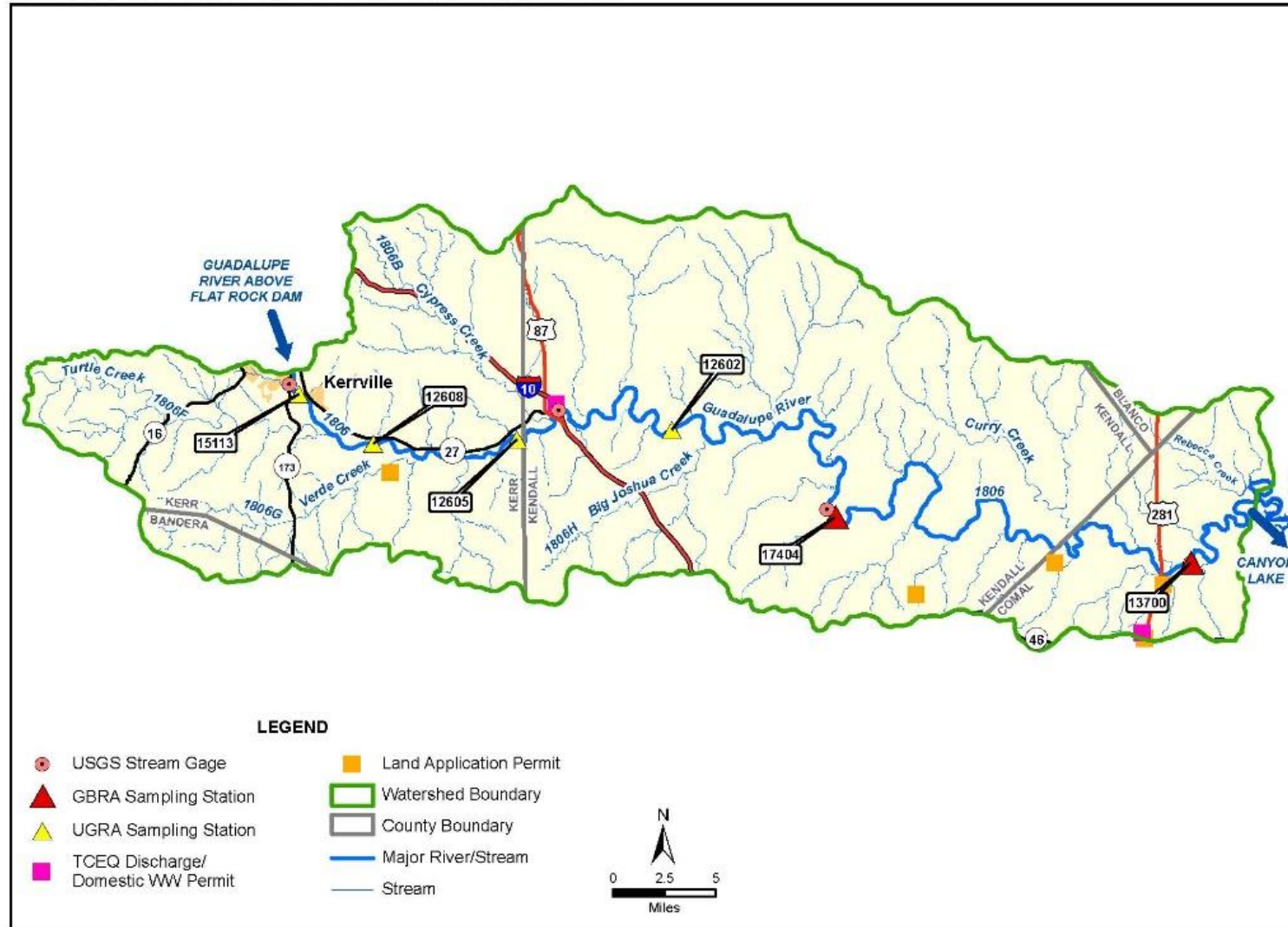
Rebecca Creek Springs in Comal County (Segment 1805)
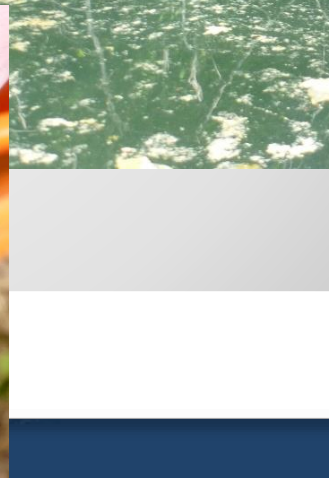
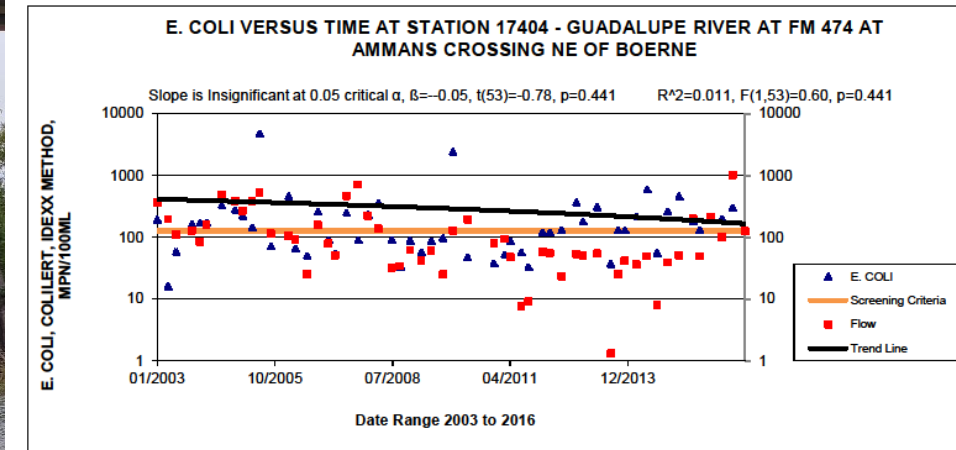# North Fork of the Guadalupe River in Kerr County (Segment 1817)

New Monitoring Station near Sisterdale
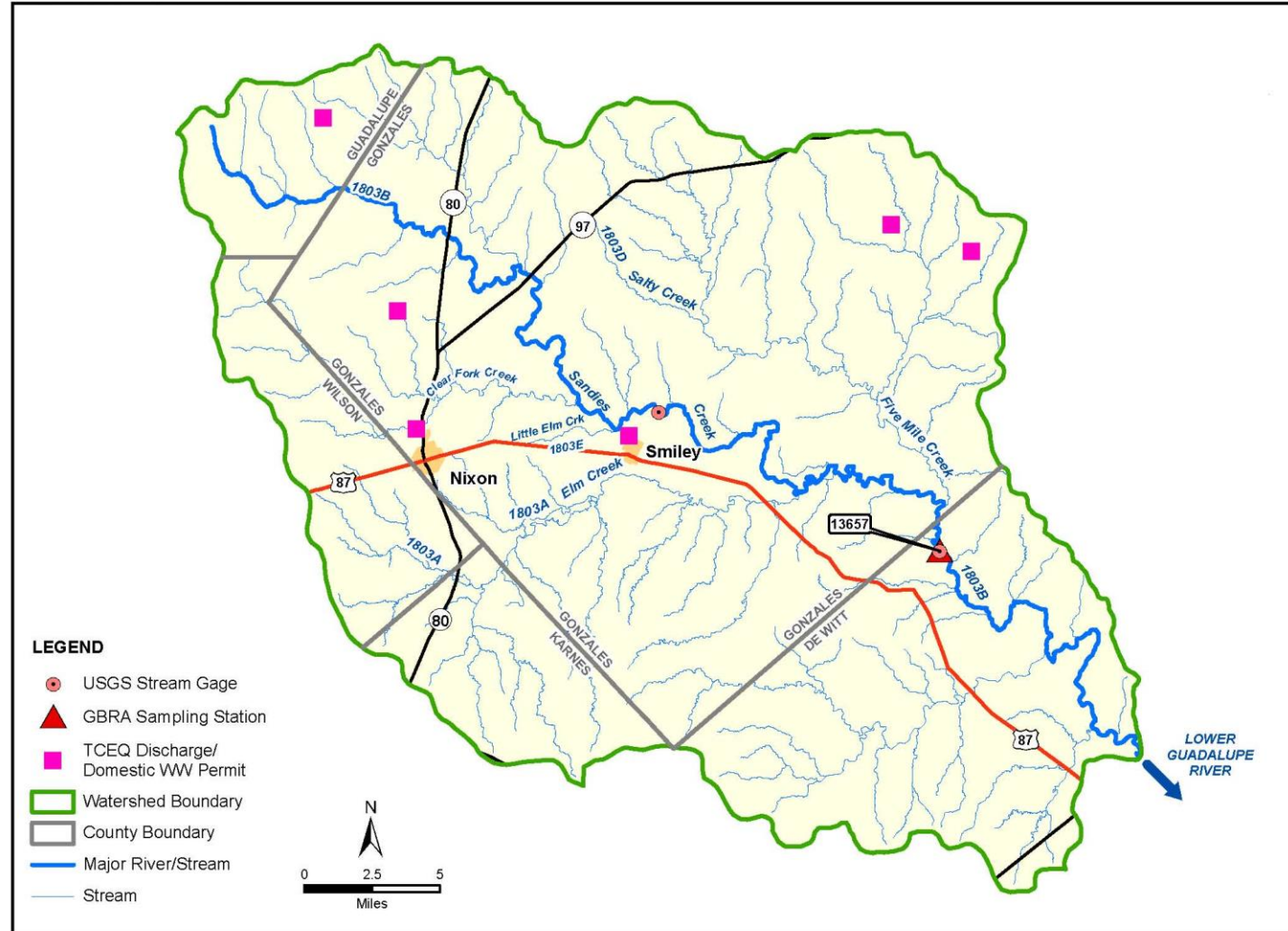

GUADALUPE RIVER BELOW FLAT ROCK DAM

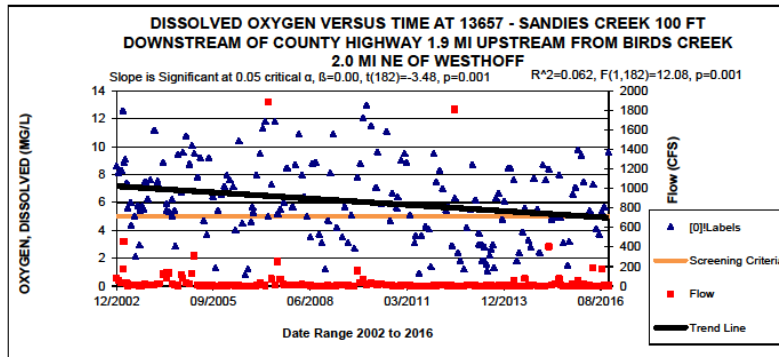# Guadalupe River at FM 1376 near Sisterdale in Kendall County (Segment 1806)

New Biological Monitoring in Sandies & Elm Creek

Sandies Creek at CR 197 in Dewitt County (Segment 1803B)

DISSOLVED OXYGEN VERSUS TIME AT 13657 - SANDIES CREEK 100 FT DOWNSTREAM OF COUNTY HIGHWAY 1.9 MI UPSTREAM FROM BIRDS CREEK 2.0 MI NE OF WESTHOFF

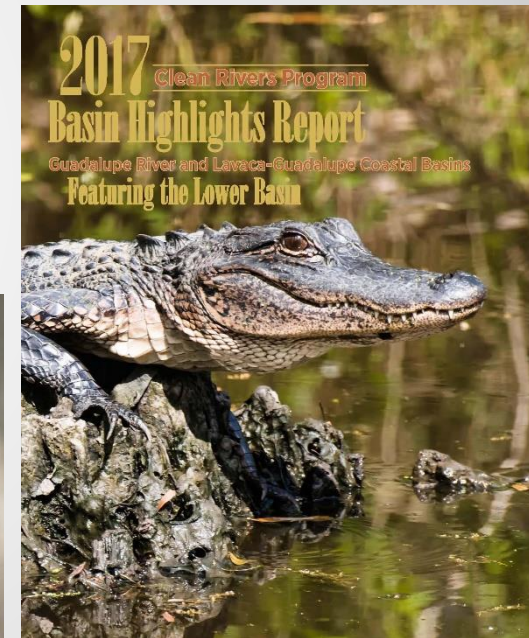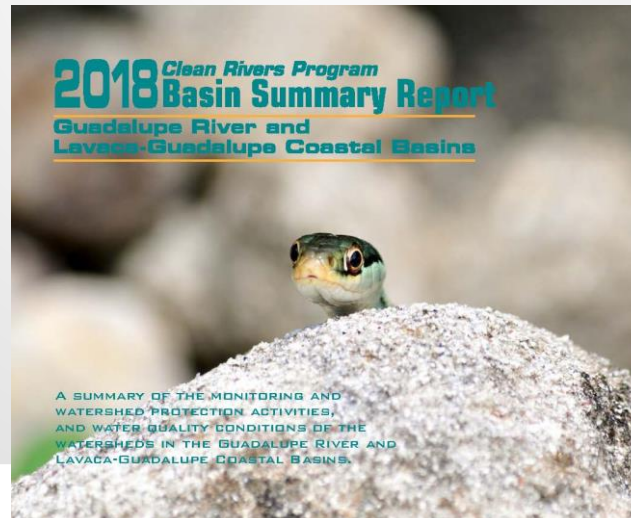# Elm Creek at Highway 87 in Gonzales County (Segment 1803A)

Guadalupe River at FM311 in Comal County in August of 2018

Data Reporting

Basin Highlights Report -report of activities

Basin Summary Report – every six* years

Questions?

Lee Gudgell
830-379-5822
lgudgell@gbra.org