HOUSEKEEPING ITEMS

- Please sign in! There is a link to the google doc in the chat
- Agenda is posted
- Mute yourself and keep your video off when you are not speaking

CLEAN RIVERS PROGRAM
GUADALUPE RIVER BASIN

GUADALUPE-BLANCO RIVER AUTHORITY UPDATE

ELIZABETH EDGERTON

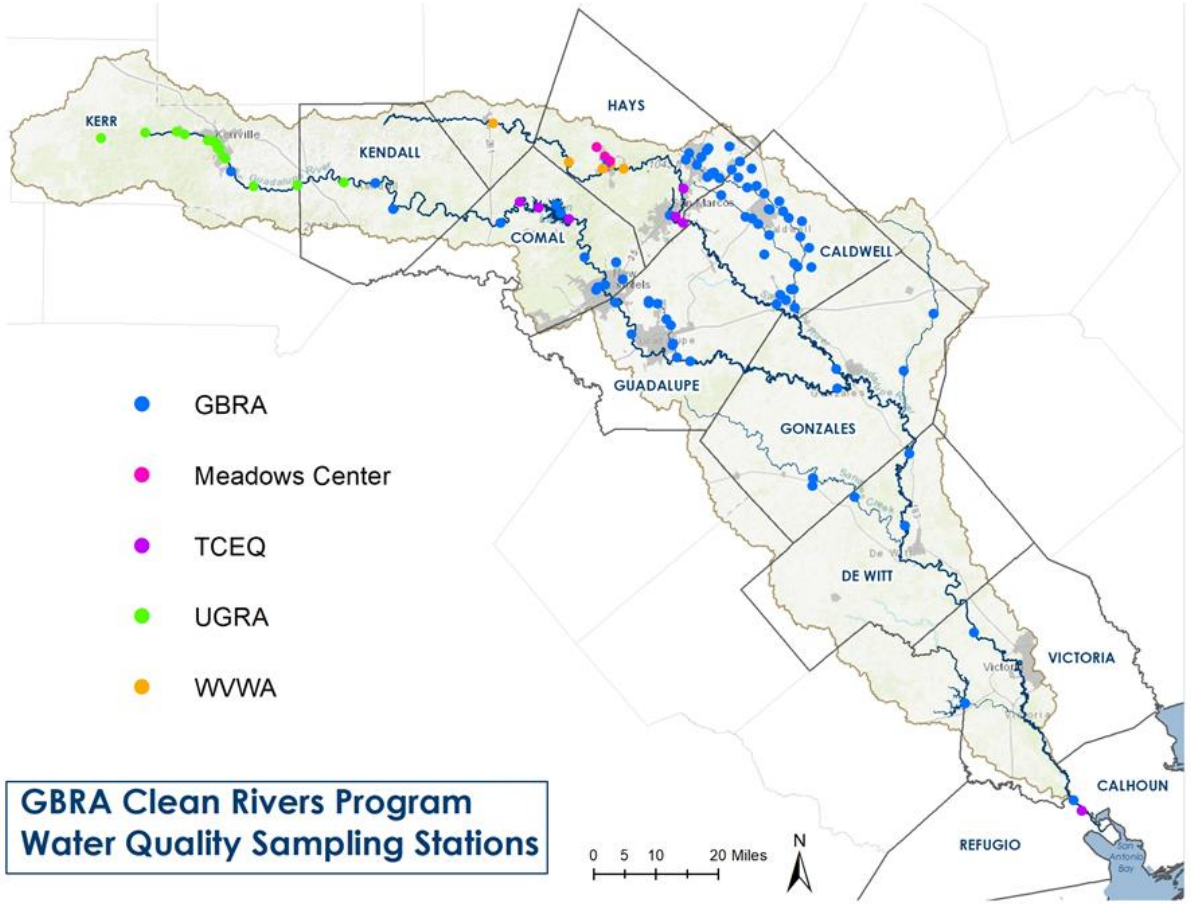
JULY 29, 2021

CLEAN RIVERS PROGRAM

- FY22-23 Budget
- Program Updates
- PFAS

FY22-23 CONTRACT RENEWAL

- 19 Routine Stations
- 14 Quarterly Stations
- 3 ALMs planned for FY22
- FY22: Watershed Characterization
- FY23: Basin Summary



GBRA CLEAN RIVERS PROGRAM OPERATING BUDGET

	FY 2022 9/1/21-8/31/22	FY 2023 9/1/22-8/31/23	FY22 – FY23 Total
Total CRP Budget	$135,378.00	$135,378.00	$270,756.00
Supplies	$5,885.00	$5,885.00	$11,770.00
Equipment	$ -	$ -	$ -
Contractual	$14,550.00	$14,550.00	$29,100.00
Travel	$7,180.00	$7,180.00	$14,360.00

- Less than previous contract because of equipment category

2020 INTEGRATED REPORT

Table 3. Water Quality Impairments and Concerns described in the Draft 2020 Texas Integrated Report for the Clean Water Act Section 303(d) and 305(b) using data from 12/01/11 to 11/30/18.

Segment Number	Water Body	Impairment [303(d)] List	Concern
1701	Victoria Barge Canal		Chlorophyll-a; (Removed Nitrate)
1801	Guadalupe River Tidal		Bacteria; Nitrate
1802	Guadalupe River below San Antonio River		Nitrate
1803	Guadalupe River below San Marcos River		Bacteria; Nitrate
1803A	Elm Creek	Depressed Dissolved Oxygen 24 Hour Average & Minimum; Depressed Dissolved Oxygen Grab Minimum	Depressed Dissolved Oxygen Grab Screening Level; Chlorophyll-a
1803B	Sandies Creek	Depressed Dissolved Oxygen 24 Hour Average & Minimum; Depressed Dissolved Oxygen Grab Minimum; Impaired Fish Community; Impaired Macrobenthic Community; Bacteria	Impaired Habitat; Depressed Dissolved Oxygen Grab Screening Level (Removed DO Grab Minimum)
1803C	Peach Creek	Depressed Dissolved Oxygen Grab Minimum & Screening Level; Bacteria	Impaired Fish Community; Total Phosphorus; Chlorophyll-a
1804A	Geronimo Creek	Bacteria	Nitrate
1804D	Baer Creek		Bacteria
1805	Canyon Lake	Mercury in Edible Fish Tissue	
1806	Guadalupe above Canyon Reservoir	Bacteria	Impaired Fish Community; Impaired Habitat (Removed Concern for Bacteria and Depressed DO Grab Screening Level)
1806A	Camp Meeting Creek	Bacteria	Depressed Dissolved Oxygen Grab Screening Level
1806D	Quinlan Creek	Bacteria	
1806E	Town Creek	Bacteria	Depressed Dissolved Oxygen Grab Screening Level (Removed Depressed DO Grab Minimum)
1807	Coleto Creek		Chlorophyll-a
1810	Plum Creek	Bacteria	Impaired Fish Community; Impaired Macrobenthic Community; Impaired Habitat; Ammonia; Nitrate; Total Phosphorus (Removed Depressed Dissolved Oxygen 24 Hour Average)
1810A	Town Branch	Bacteria	Bacteria; Nitrate (Removed Depressed DO Grab Screening Level)
1811	Comal River	Bacteria	
1811A	Dry Comal Creek	Bacteria	
1815	Cypress Creek	Depressed Dissolved Oxygen 24 Hour Average; Impaired Fish Community; Impaired Macrobenthic Community	Impaired Habitat; (Removed Depressed DO Grab Screening Level)
1816	Johnson Creek		Impaired Habitat
1817	North Fork Guadalupe River	Impaired Fish Community; Impaired Macrobenthic Community	Impaired Habitat
1818	South Fork Guadalupe River	Impaired Fish Community; Impaired Macrobenthic Community	Impaired Habitat; (Removed Depressed DO Grab Screening Level)

* Blue highlighted text indicates a change from the previous 2018 Texas Integrated Report.

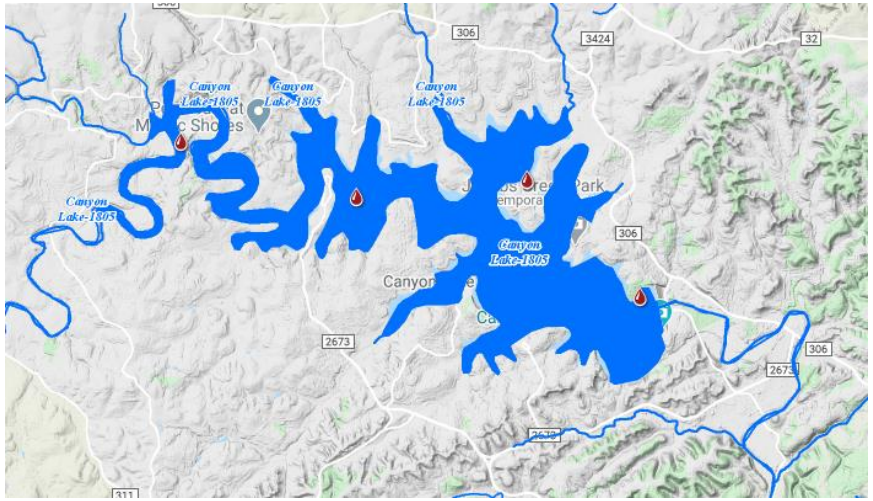
GBRA 2021 AQUATIC LIFE USE ASSESSMENTS

- Sites assessed in 2021:
  - TCEQ Station 22082
    - Guadalupe River at River Road
  - TCEQ Station 12631
    - Blanco River at CR 295
  - TCEQ Station 12576
    - Geronimo Creek at Haberle Rd
  - TCEQ Station 12640
    - Plum Creek at 135

2021 AQUATIC LIFE MONITORING EVENTS

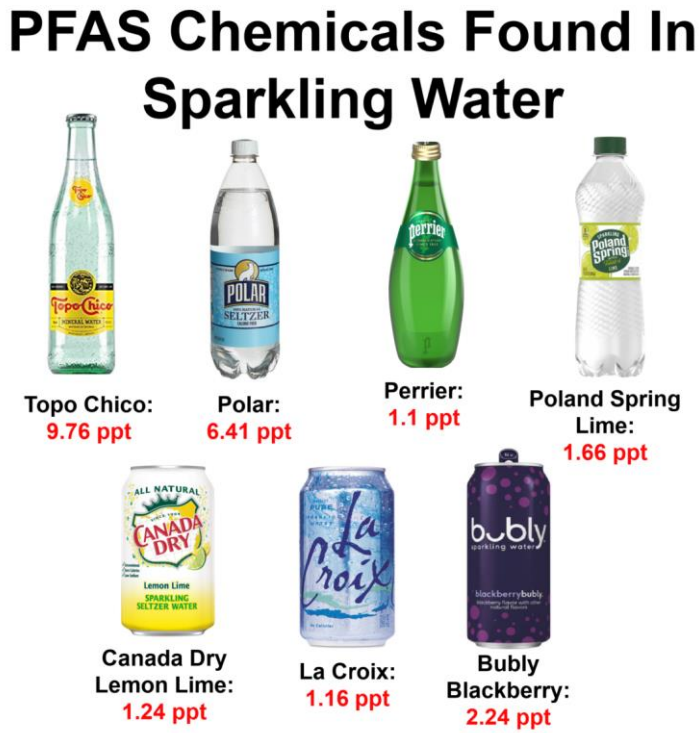
FY2022 SUMMARY OF SAMPLING CHANGES

- • Conduct an ALM at Station 22082 – Guadalupe River at Sisterdale
- • Conduct an ALM at station 12684 – Guadalupe River Adjacent to Hunts Lions Park
- • Conduct an ALM at station 18595 – Perdido Creek at FM 622
- • Remove DO Monitoring events from sites 15998 Sandies creek at 1116, 13657 Sandies Creek at Westoff, 17894 Elm Creek at Lazy F Ranch, 14937 Peach Creek at 353, and 17394 Peach Creek at 1680
- • Remove bacterial monitoring from sites 15998 Sandies Creek at 1116 and 17394 Peach Creek at 1680



PFAS

- PFAS – Per- and polyfluoroalkyl substances
  - Man made chemical used in many industries around the world, in the States since the 1940s
    - Teflon, fire retardants, some cleaning products, paints
- Persists in the environment and bio-accumulates, is present in some drinking water
  - Evidence of adverse health effects
- The US is phasing out some PFAS, through PFOA Stewardship Program
  - But these are 'forever chemicals'



*Parts per trillion

PFAS – DRINKING WATER REGULATIONS COMING

- Currently 29 known PFAS found in our nations drinking water
  - More than 4,700 individual types exist
- February 2021: EPA announced plans to move toward implementing the national primary drinking water regulation development process for two PFAS:
  - PFOA – perflorooctanoic acid
  - PFOS – perflouorooctanesulfonic acid
- Currently 3 validated methods for analysis of 29 PFAS in drinking water
  - Methods 533, 537, and 537.1
- EPA is developing validated methods for testing for PFAS in:
  - Drinking water, groundwater, surface water, wastewater, and solids including soils, sediments, and biota
- July 2021 the US EPA announced Draft Contaminant Candidate List 5
- Provides latest list of drinking water contaminants that are known or anticipated and not currently subject to EPA drinking water regulations
  - PFAS are proposed as a group (66 total)
    - Also included cyanotoxins and DBPs

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