WELCOME TO THE FY22 STEERING COMMITTEE MEETING!

- Please sign in!
- Agendas are available near the sign in sheet
- Drinks available in the break room
- Please silence your cell phones
GUADALUPE RIVER BASIN
2022 CLEAN RIVERS PROGRAM
STEERING COMMITTEE MEETING

ELIZABETH EDGERTON, WATER QUALITY PROGRAM SUPERVISOR; KRISTYN ARMITAGE, WATER QUALITY TECHNICIAN
FY22-23 CONTRACT

- 19 Routine Stations
- 14 Quarterly Stations
- 3 ALMs for FY22
- 3 ALMs planned for FY23?
- FY22: Watershed Characterization
- FY23: Basin Summary
FY22-23 GBRA CLEAN RIVERS PROGRAM BUDGET

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

- $17,500 increase in funds has been approved, for equipment and supplies
- An additional funds increase has been requested but is not yet approved
NEW EQUIPMENT PURCHASE

- Apex Backpack Electrofisher
- Replaces previous smith-root backpack unit
  - Over 11 years in service
Delistings:
- 1803B – Sandies Creek (AU 1803B_01)
  - Impaired fish community
  - Impaired macrobenthic community
- 1815 – Cypress Creek (AU 1815_01)
  - Originally listed in error – 24 HR DO dataset was not temporally representative

New Listing:
- 1801 – Guadalupe River Tidal
  - Bacteria
HCP update email went out yesterday

Send an email to this address if you want to be added to the HCP listserv:

- grhcp@gbra.org

First public meeting June 28th, held in person in the River Annex
Water Quality Technician – Kristyn Armitage

• BS in Biology

• MS in Aquatic Resources
  • Both from Texas State University

• Studied intra and interspecies variability in mercury in Texas marine fish and shellfish

• Previously worked at the Meadows Center
  • Invasive species removal and native restoration under EAHCP.
GBRA 2021 Aquatic Life Monitoring Events

• TCEQ Station 12576  
  • Geronimo Creek at Haberle Road

• TCEQ Station 12631  
  • Blanco River at CR 295

• TCEQ Station 15111  
  • Guadalupe at Riverview Road

• TCEQ Station 12640  
  • Plum Creek at CR 135
TCEQ/TSSWCB Station 12576
Geronimo Creek at Haberle Road

- Fish Community
  - Exceptional ALU Score
  - 18 Species
- Macroinvertebrate Community
  - Exceptional ALU Score
  - 39 Species
- Habitat
  - High HQI Score
- Stream Assessment Data Exceeds 2020 WQ Standard
- No freshwater mussel species found during 5 person hour time search
### Aquatic Life Monitoring Events

<table>
<thead>
<tr>
<th>Aquatic Life Use Designation</th>
<th>Fish Community</th>
<th>Macroinvertebrate Community</th>
<th>Habitat</th>
</tr>
</thead>
<tbody>
<tr>
<td>High (41-48)</td>
<td>High (29-32)</td>
<td>High (20-25)</td>
<td></td>
</tr>
<tr>
<td>Currently Assessed Status*</td>
<td>Exceptional (49)*</td>
<td>Exceptional (38)*</td>
<td>High (22)*</td>
</tr>
<tr>
<td>FY21 Index Period Score</td>
<td>High (45)</td>
<td>Exceptional (41)</td>
<td>High (22)</td>
</tr>
<tr>
<td>FY21 Critical Period Score</td>
<td>Exceptional (50)</td>
<td>Exceptional (39)</td>
<td>High (21)</td>
</tr>
<tr>
<td>FY21 Average</td>
<td>Exceptional (48)</td>
<td>Exceptional (40)</td>
<td>High (22)</td>
</tr>
</tbody>
</table>

TCEQ Station 12631
Blanco River at CR 295

- Fish Community
  - High ALU Score
  - 21 Species
- Macroinvertebrate Community
  - Intermediate ALU Score
  - 45 Species
- Habitat
  - High HQI Score
- Stream Assessment Data Meets 2020 WQ Standard with concerns for Benthic Macroinvertebrates
- No freshwater mussels discovered during 5 person hour time search
### TCEQ STATION 12631 IN STREAM SEGMENT 1809_01
BLANCO RIVER AT CR 295 IN SAN MARCOS, TX

<table>
<thead>
<tr>
<th>Aquatic Life Monitoring Events</th>
<th>Fish Community</th>
<th>Macroinvertebrate Community</th>
<th>Habitat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Life Use Designation</td>
<td>High (42-51)</td>
<td>High (31-35)</td>
<td>High (20-25)</td>
</tr>
<tr>
<td>Currently Assessed Status*</td>
<td>Not Assessed*</td>
<td>Not Assessed*</td>
<td>Not Assessed*</td>
</tr>
<tr>
<td>FY21 Index Period Score</td>
<td>High (44)</td>
<td>Intermediate (27)</td>
<td>High (24)</td>
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<tr>
<td>FY21 Critical Period Score</td>
<td>High (47)</td>
<td>High (33)</td>
<td>Exceptional (26)</td>
</tr>
<tr>
<td>FY21 Average</td>
<td>High (46)</td>
<td>Intermediate (30)</td>
<td>High (25)</td>
</tr>
</tbody>
</table>

TCEQ Station 15111
Guadalupe at Riverview Road

- Fish Community
  - High ALU Score
  - 16 Species (Electrofishing Difficulties)
  - 2 Darter species
- Macroinvertebrate Community
  - Exceptional ALU Score when Coefficient of Variation (CV) is added to score.
  - 47 Species
- Habitat
  - High HQI Score
- Stream Assessment Data Meets 2020 WQ Standard with concerns for Fish
- 3 Guadalupe Fatmucket ESA Candidate Species
- River otter observed during April Assessment
<table>
<thead>
<tr>
<th>Aquatic Life Monitoring Events</th>
<th>Fish Community</th>
<th>Macroinvertebrate Community</th>
<th>Habitat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Life Use Designation</td>
<td>Exceptional (&gt;51)</td>
<td>Exceptional (&gt;35)</td>
<td>Exceptional (26-31)</td>
</tr>
<tr>
<td>Currently Assessed Status*</td>
<td>Exceptional (52)*</td>
<td>Exceptional (36)*</td>
<td>High (26)*</td>
</tr>
<tr>
<td>FY21 Index Period Score</td>
<td>High (44)**</td>
<td>High (33)</td>
<td>High (24)</td>
</tr>
<tr>
<td>FY21 Critical Period Score</td>
<td>Exceptional (54)</td>
<td>Exceptional (37)</td>
<td>High (24)</td>
</tr>
<tr>
<td>FY21 Average</td>
<td>High (49)</td>
<td>Exceptional (35+CV)</td>
<td>High (24)</td>
</tr>
</tbody>
</table>


**Only seining collection techniques utilized due to electrofishing equipment malfunction.
### TCEQ/TSSWCB Station 12640
Plum Creek at CR 135

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td><strong>Fish Community</strong></td>
<td>- Limited ALU Score&lt;br&gt;- 11 Species (Electrofishing Difficulties)&lt;br&gt;- 3 Catfish species</td>
</tr>
<tr>
<td><strong>Macroinvertebrate Community</strong></td>
<td>- High ALU Score&lt;br&gt;- 39 Species</td>
</tr>
<tr>
<td><strong>Habitat</strong></td>
<td>- High HQI Score</td>
</tr>
<tr>
<td><strong>Stream Assessment Data</strong></td>
<td>- Meets 2020 WQ Standard with concerns for Fish</td>
</tr>
<tr>
<td><strong>Species</strong></td>
<td>- Guadalupe Orb EAA Candidate Species&lt;br&gt;- River otter observed during April Assessment</td>
</tr>
</tbody>
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### Aquatic Life Monitoring Events

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<th>Habitat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Currently Assessed Status*</td>
<td>Intermediate (39)*</td>
<td>High (31)*</td>
<td>Intermediate (19)*</td>
</tr>
<tr>
<td>FY21 Index Period Score</td>
<td>Limited (34)**</td>
<td>High (30)</td>
<td>High (22)</td>
</tr>
<tr>
<td>FY21 Critical Period Score</td>
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<td>Limited (35)</td>
<td>High (30)</td>
<td>High (22)</td>
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**Only seining collection techniques utilized due to electrofishing equipment malfunction
GBRA 2022 Aquatic Life Monitoring Events

- TCEQ Station 12684
  - South Fork Guadalupe at Hunt Lion’s Park

- TCEQ Station 18595
  - Perdido Creek at FM 622

- TCEQ Station 22082
  - Guadalupe River upstream FM 1376
TCEQ Station 12684 segment 1818
South Fork Guadalupe at Hunt Lion’s Park

18 Fish Species Identified:
- Central Stoneroller
- Blue Catfish
- Orange Throated Darter
- Guadalupe Bass

Central Stoneroller
Orange Throated Darter
Blue Catfish
Guadalupe Bass
TCEQ Station 18595 segment 1807A
Perdido Creek at FM 622

16 Fish Species Identified:
- Spotted Gar
- Carp Sucker
- Warmouth
- Black bullhead catfish