



2022 San Antonio River Draining

CRP Steering Committee

March 18, 2022



Committed to Safe, Clean, Enjoyable Creeks and Rivers.

River Draining 2022

- 1) Infrastructure maintenance and debris removal
- 2) Relocation of native aquatic organisms
- 3) Removal of non-native aquatic organisms



Aquatic Resource Relocation Plan



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To manage and conserve the natural and cultural resources of Texas and to provide hunting, fishing, and outdoor recreation opportunities for the use and enjoyment of present and future generations.

12/13/2021

Joseph Cruz/Christopher Vaughn
202 E. Nueva
San Antonio TX 78204

Joseph Cruz/Christopher Vaughn:

This letter is in response to your application to introduce fish, shellfish or aquatic plants into public water of the state. Your request to introduce fish into public water has been approved.

Attached to this letter is an approved permit (INT 22 01-01a) to introduce all native aquatic species removed from the project site on the San Antonio River from Josphine St to Nueva St including the river loop and extension channel back into suitable upstream and downstream habitats within the same waterbody following the terms of the permit and the approved Aquatic Resource Relocation Plan. This permit is being issued to prevent potential loss or destruction of aquatic species due to dewatering. This permit is valid from 1/1/2022 to 3/1/2022.

The official Texas Parks & Wildlife Department (TPWD) contact listed on the permit, Travis Tidwell, must be notified three days prior to the relocation by phone at 512-389-8612 or by email at travis.tidwell2@tpwd.texas.gov so that a TPWD biologist may be present, if available, to verify that procedures and protocols described in the Aquatic Resource Relocation Plan are being followed. Within 30 days of completion of the relocation, the permit holder shall submit to the department a summary list of species relocated or disposed as specified in the permit.

We appreciate your careful review of the conditions of the permit and your efforts to consistently meet all applicable requirements. If you need further information or have any questions, please contact the Permit Coordinator at ifpermits@tpwd.texas.gov.

Sincerely,

Inland Fisheries Permits

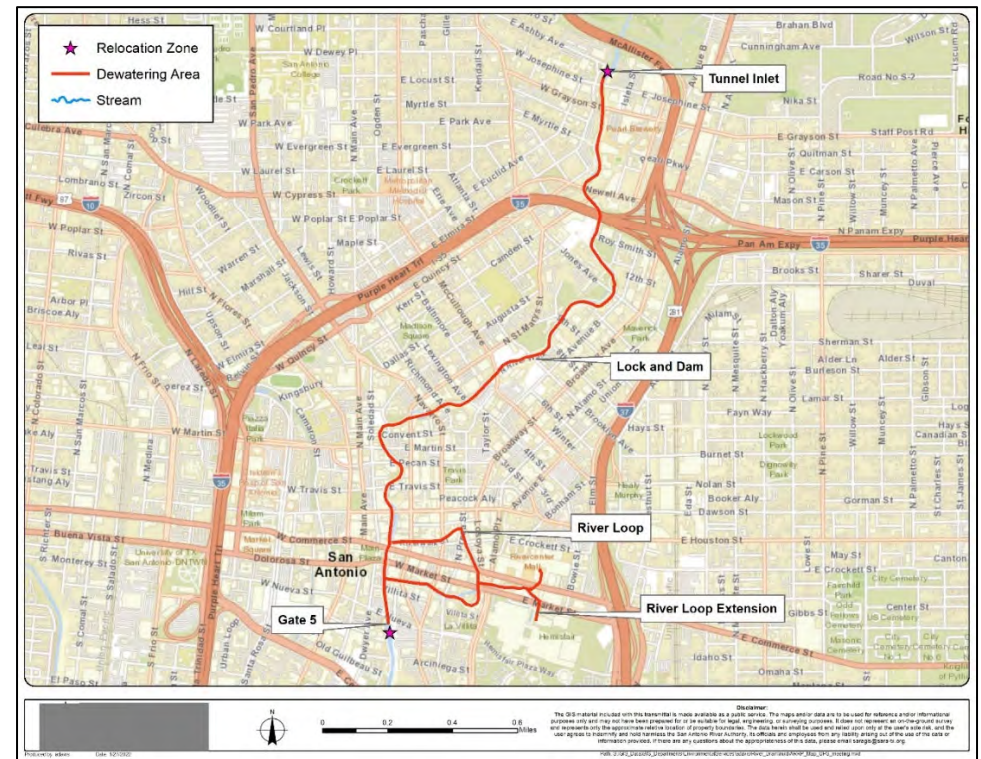
cc: Travis Tidwell



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Scope of Draining

- Dewatered footprint:
 - Josephine to Houston
 - River Loop and Extension
- Relocation sites:
 - Brackenridge Park
 - Main stem downstream of Houston



Procedures



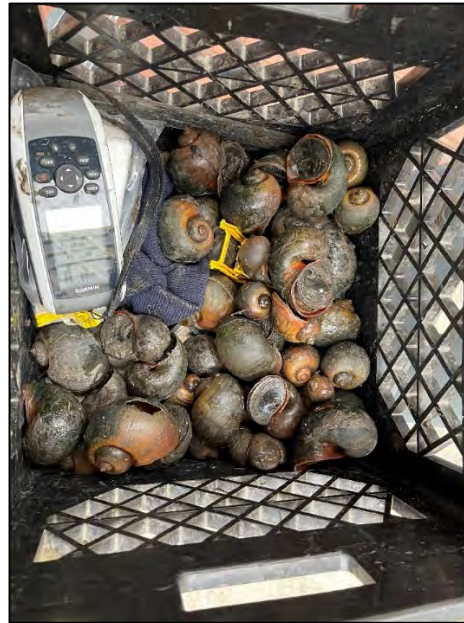
Native Fish



Non-native Fish

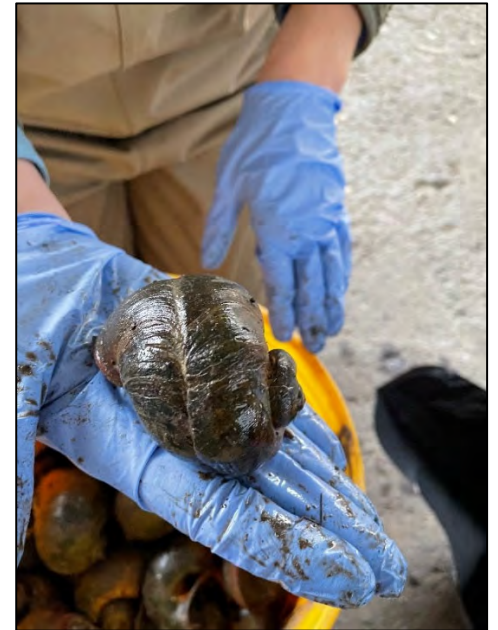


Apple Snails



Apple Snails Removed

- 2020 – 105 removed
- 2022 – 591 removed
- Most individuals donated to Southwestern University



2022 Native Fish Relocated



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2020 and 2022 Dead Native Fish

Species	2020	2022
Western Mosquitofish	342	249
Channel Catfish	52	8
Longear Sunfish	36	22
Largemouth Bass	26	19
Bluegill	11	42
Orangespotted Sunfish	6	0
Green Sunfish	2	0
Bullhead Minnow	2	0
Red Shiner	0	2
Mimic Shiner	0	2
Yellow Bullhead	0	1
TOTAL	477	345



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Green Sunfish	2	0
Bullhead Minnow	2	0
Red Shiner	0	2
Mimic Shiner	0	2
Yellow Bullhead	0	1
TOTAL	135	96

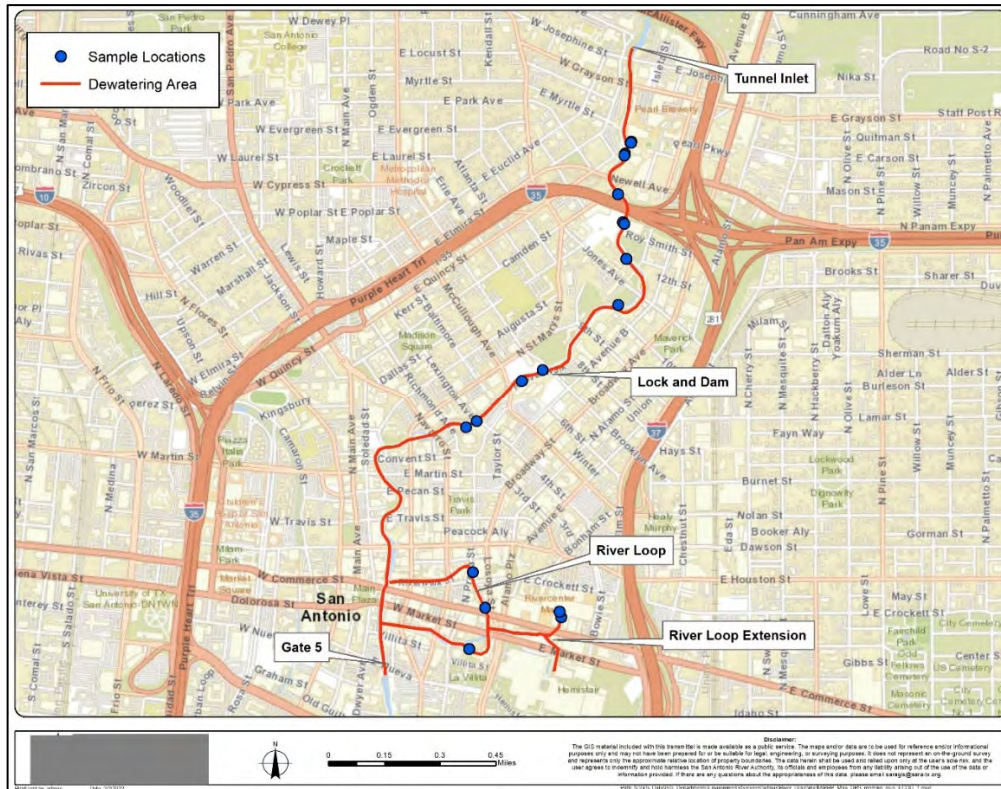


2020 and 2022 Non-natives Removed

Species	2020	2022
Sailfin Molly	452	0
Blue Tilapia	401	7
Armored Catfish	355	31
Redbreast Sunfish	38	69
Rio Grande Cichlid	75	31
Common Carp	38	3
Mexican Tetra	1	0
TOTAL	1460	141



Water Quality Monitoring



- 18 leaks and seeps samples collected
- Highest *E. coli* concentration 190 MPN/100 mL



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Aquatic Planting



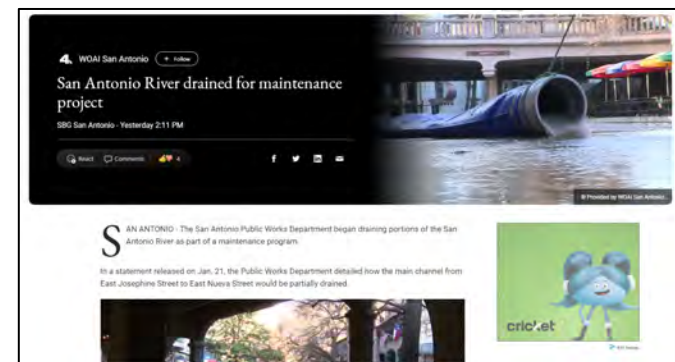
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Sediment Removal



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Media



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Questions?

