



[Wastewater Treatment](#)

[Water Treatment](#)

[Water Storage](#)

[Lake Livingston](#)

[Recreation Facilities](#)

TRA Updates



Trinity River Authority of Texas



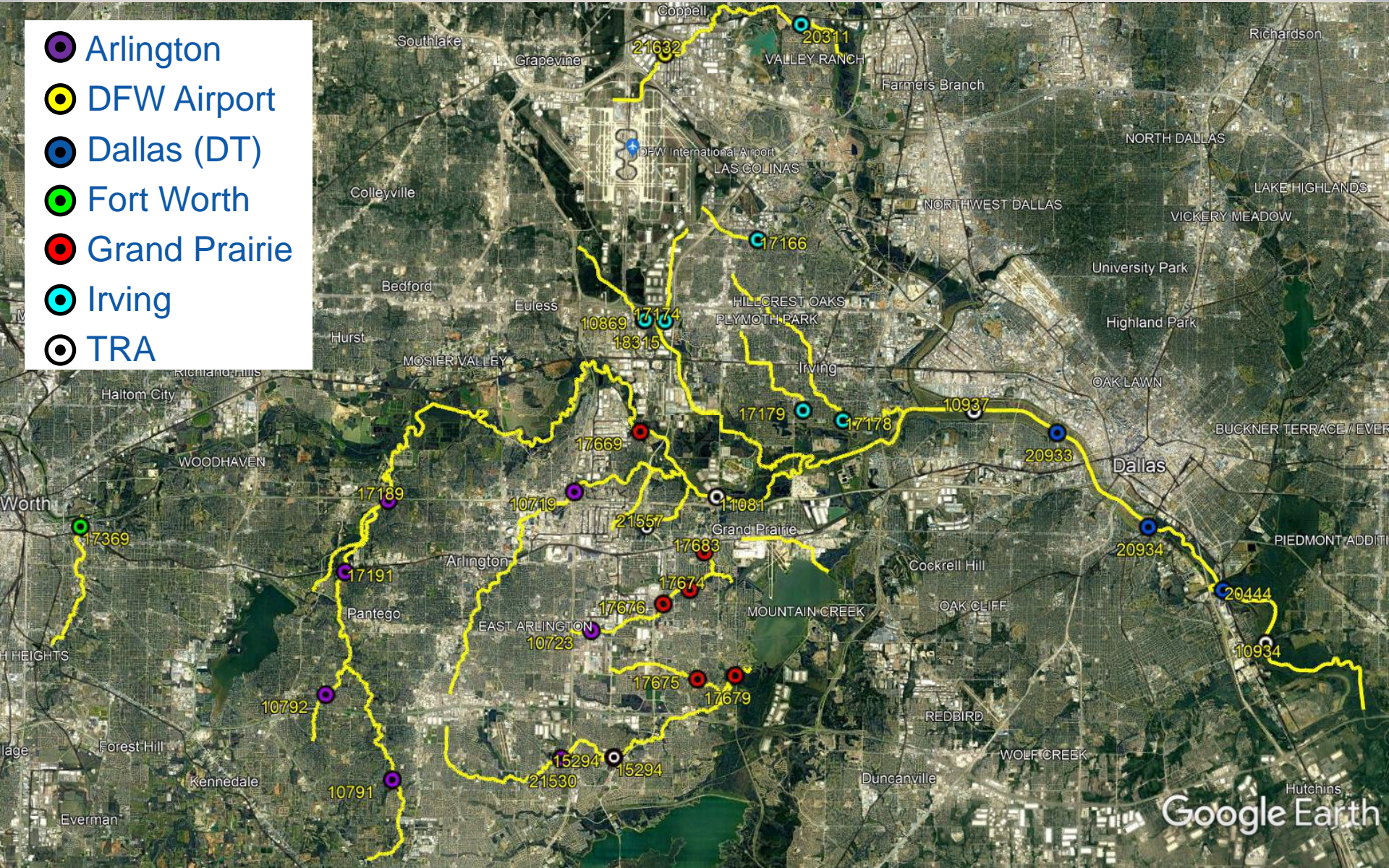
FY 2023 Monitoring Schedule

- Number of Unique Stations in Basin – 298
- Number of Unique Stations in TMDL AUs – 30

Entity	Number of Sites	Frequency	Number of Sites in TMDL AUs
Arlington	8	Quarterly	7
Dallas (DA)	30	Monthly	
DFW Airport	6	Quarterly	2
Dallas (DT)	3	Quarterly	3
TCEQ	39	2-6 times a year	
Frisco	8	Quarterly	
Fort Worth	7	Monthly	1
Grand Prairie	7	Monthly	7
USGS	1	Monthly	
Irving	9	Bimonthly	6
LLP	22	2-12 times a year	
NTMWD	28	Quarterly, Monthly	
Plano	7	Quarterly	
TRWD	71	4-12 times a year	
TRA	49	4-6 times a year	5
HGAC	1	Monthly	
UTRWD	5	Quarterly	

FY 2023 Sites in TMDL AUs

- Arlington
- DFW Airport
- Dallas (DT)
- Fort Worth
- Grand Prairie
- Irving
- TRA





Basin Reports

- Basin Summary Report (every 3rd biennium)
- Basin Highlights Report
 - 3 report formats for the BHR
 - Program Update – the year following the BSR
 - “Brief update on the major basin activities and water quality issues that occurred during the previous year”
 - Watershed Characterization – last year’s report
 - “Characterize impaired water bodies and/or water bodies of interest”
 - Standard Report – this year’s report



FY 2023 Basin Highlights Report

From TCEQ Guidance for Task 5: Data Analysis and Reporting

“Provides a complete overview of all major activities and water quality issues that occurred within the basin during the previous year”

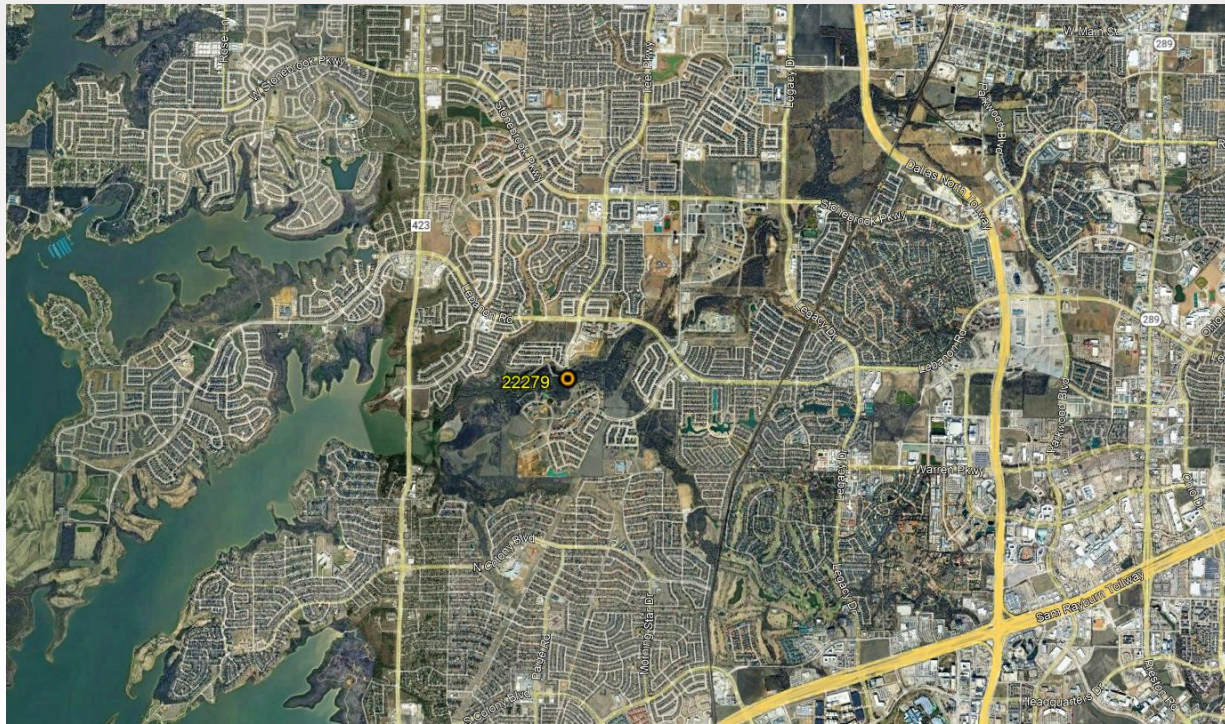
- Overview of water quality monitoring
- Top water quality issues
- Water quality conditions in each segment
- Special study findings
- Maps
- Public outreach



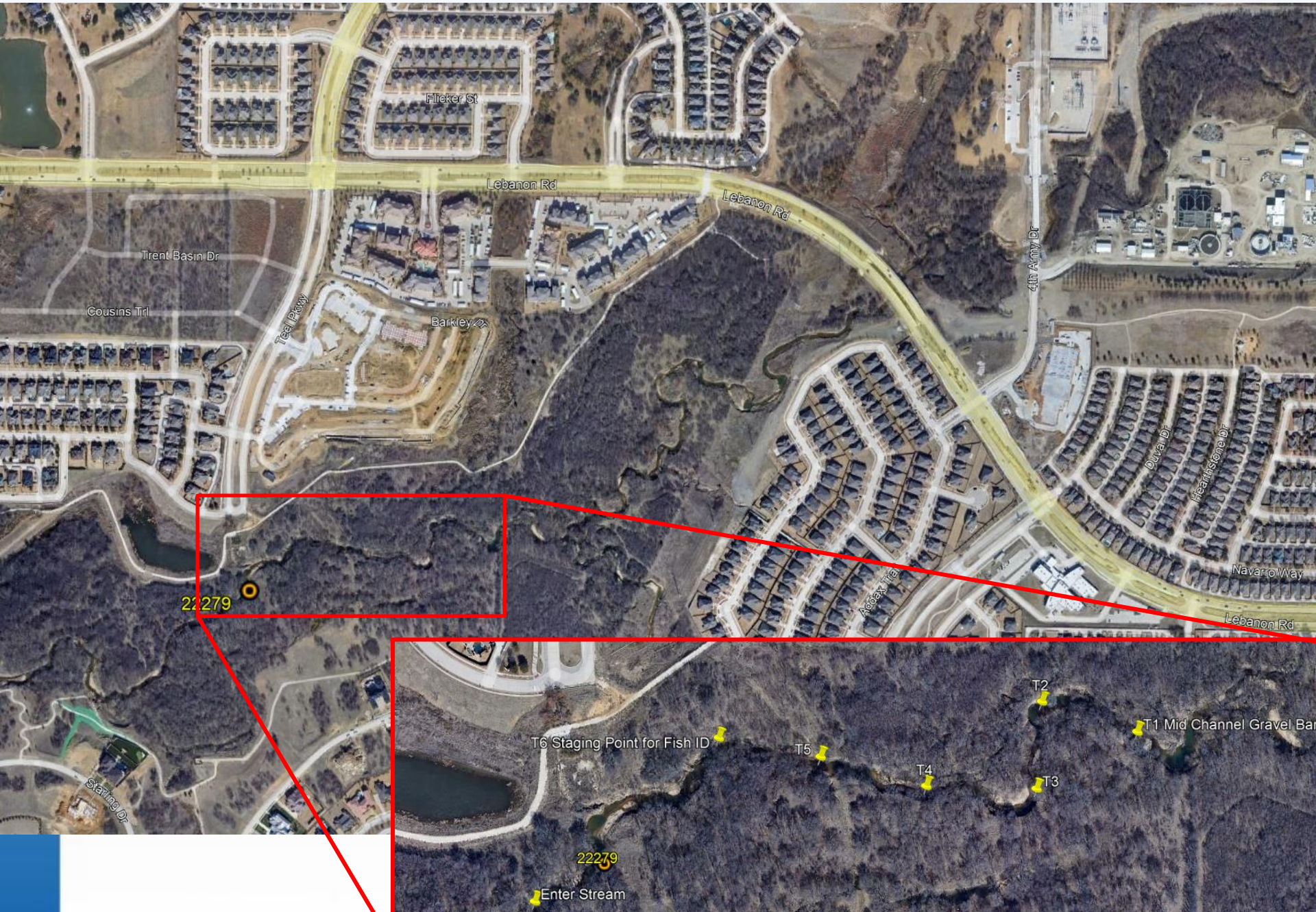
FY 2022 Aquatic Life Monitoring

Stewart Creek (0823B) – Previously had issues for Copper as recently as 2010

New City of Frisco site



Stewart Creek Reach





Fish Creek (0841K)

- TCEQ 2022 Integrated Report
 - Concerns for impaired habitat and macrobenthic community
 - Concerns for depressed dissolved oxygen
- Revisit Aquatic Life Monitoring from 2018 next summer
- Conduct two years of diel monitoring





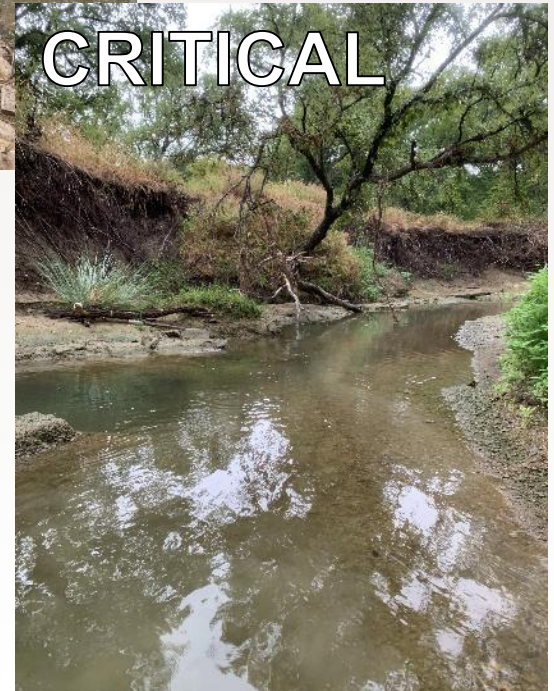
Stewart Creek – Initial Results*

Aquatic Life Use Designation – High based on presumption from flow type (perennial)

	Index Period Event 6/16/2022 Flow = 12.32 cfs	Critical Period Event 7/21-22/2022 Flow = 2.81 cfs
Habitat	Exceptional	Exceptional
Benthics	High	High
Fish	High	High

*Data have not been QA'd and finalized

Habitat

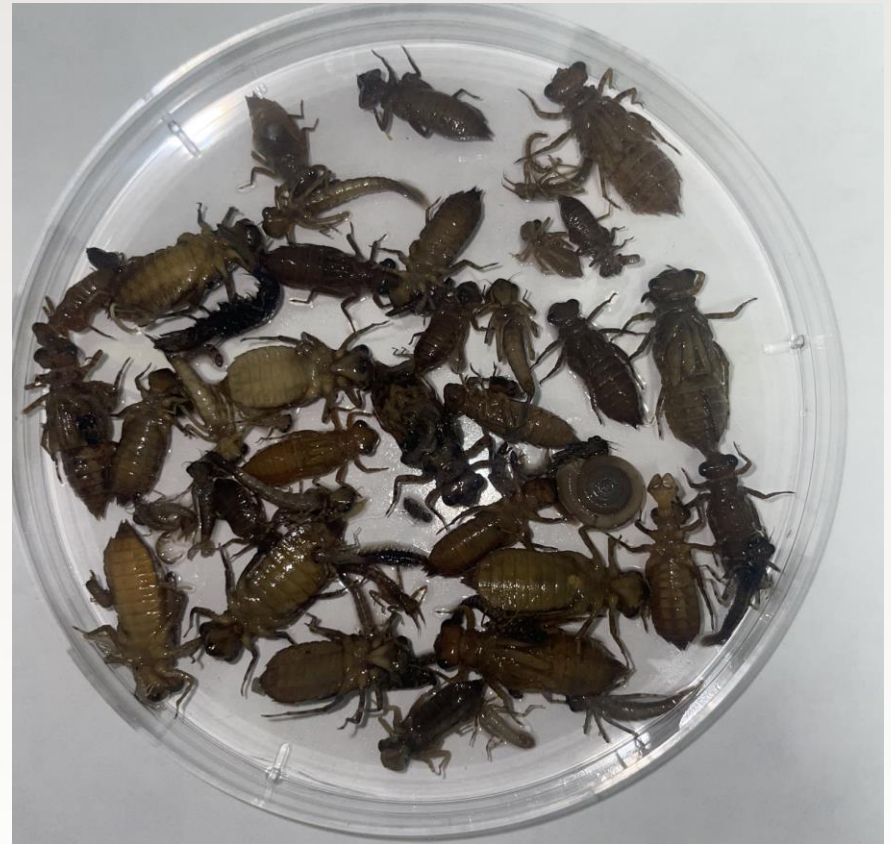


Benthics

Index Period



Critical Period



Fish

Name: Green Sunfish
Date: 6/16/22
Creek: Stewart Creek
Size: 66 Size: _____



Name: Big Scale Log Perch
Date: 6/16/22
Creek: Stewart Creek
Size: 56-103 Size: 54



Name: Large mouth bass
Date: 7/22/2022
Creek: Stewart Creek
Size: 50 Size: _____



Name: Inland Silver Side
Date: 6/16/22
Creek: Stewart Creek
Size: 34 Size: 35



Gizzard shad 190 mm



Flathead Catfish 1005 mm

Name: Orange Spotted Sunfish
Date: 7/22/2022
Creek: Stewart Creek
Size: _____ Size: 67





FY 2023 Aquatic Life Monitoring

- Fish Creek at Great Southwest Parkway in Grand Prairie
 - Perennial Stream
 - High Aquatic Life Use (Presumption From Flow Type)

FY 2018 Results	Index Period (6/15/2018)	Critical Period (7/23/2018)
Fish Community	High	High
Benthic Macroinvertebrate Community	Intermediate	Intermediate
Habitat Index	Intermediate	Intermediate

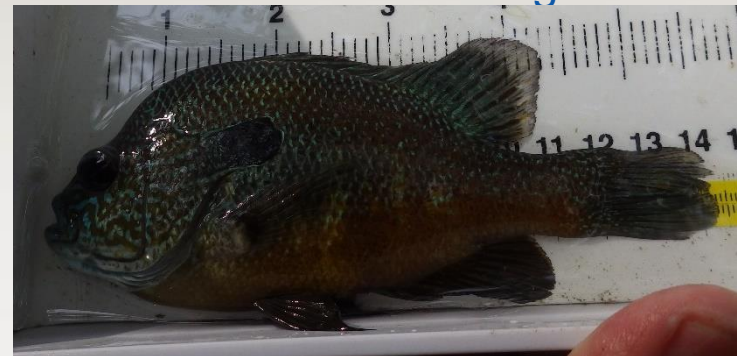


FY 2018 Fish Creek Aquatic Life Monitoring - Fish

Index Period - High



Critical Period - High





FY 2018 Fish Creek Aquatic Life Monitoring - Benthics

Index Period - Intermediate

Critical Period - Intermediate





FY 2018 Fish Creek Aquatic Life Monitoring - Habitat

Index Period - Intermediate



Critical Period - Intermediate





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