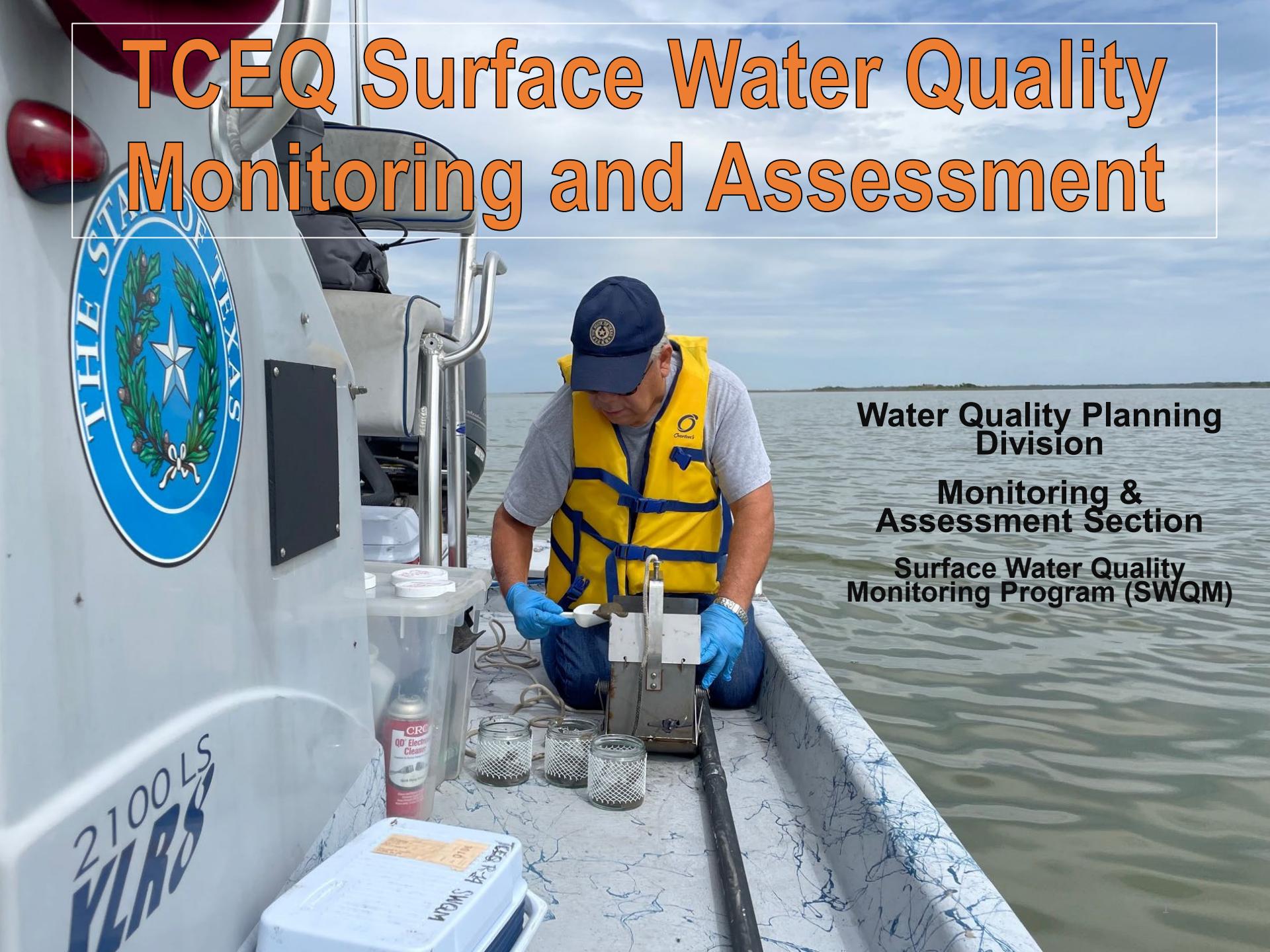


# TCEQ Surface Water Quality Monitoring and Assessment



**Water Quality Planning  
Division**

**Monitoring &  
Assessment Section**

**Surface Water Quality  
Monitoring Program (SWQM)**

# SWQM Responsibilities



Routine monitoring

Special projects

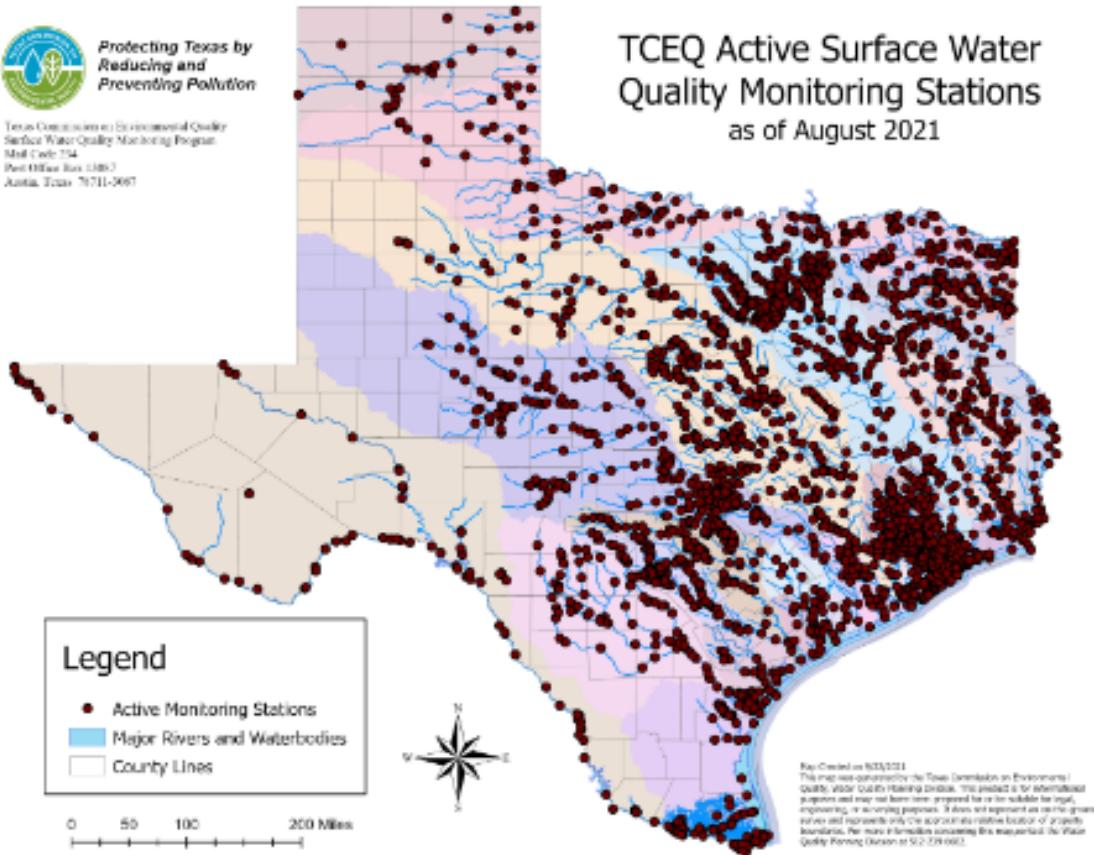
Continuous Water Quality Monitoring Network (CWQMN)

Program Oversight

Assessment

# Routine Monitoring

TCEQ staff collect water samples and make measurements as part of surface water quality monitoring at waterbodies across Texas.





# Special Projects: Biological Monitoring

TCEQ staff sample fish, benthic macroinvertebrates and physical habitat to measure Aquatic Life Use



A photograph of a person wearing a red long-sleeved shirt and blue nitrile gloves. They are holding a fish in their left hand and a clear plastic bag containing several small white containers in their right hand. The person is wearing a light-colored baseball cap and a red lanyard with a badge around their neck. The background is a white surface, likely a laboratory bench, with a ruler visible on the left.

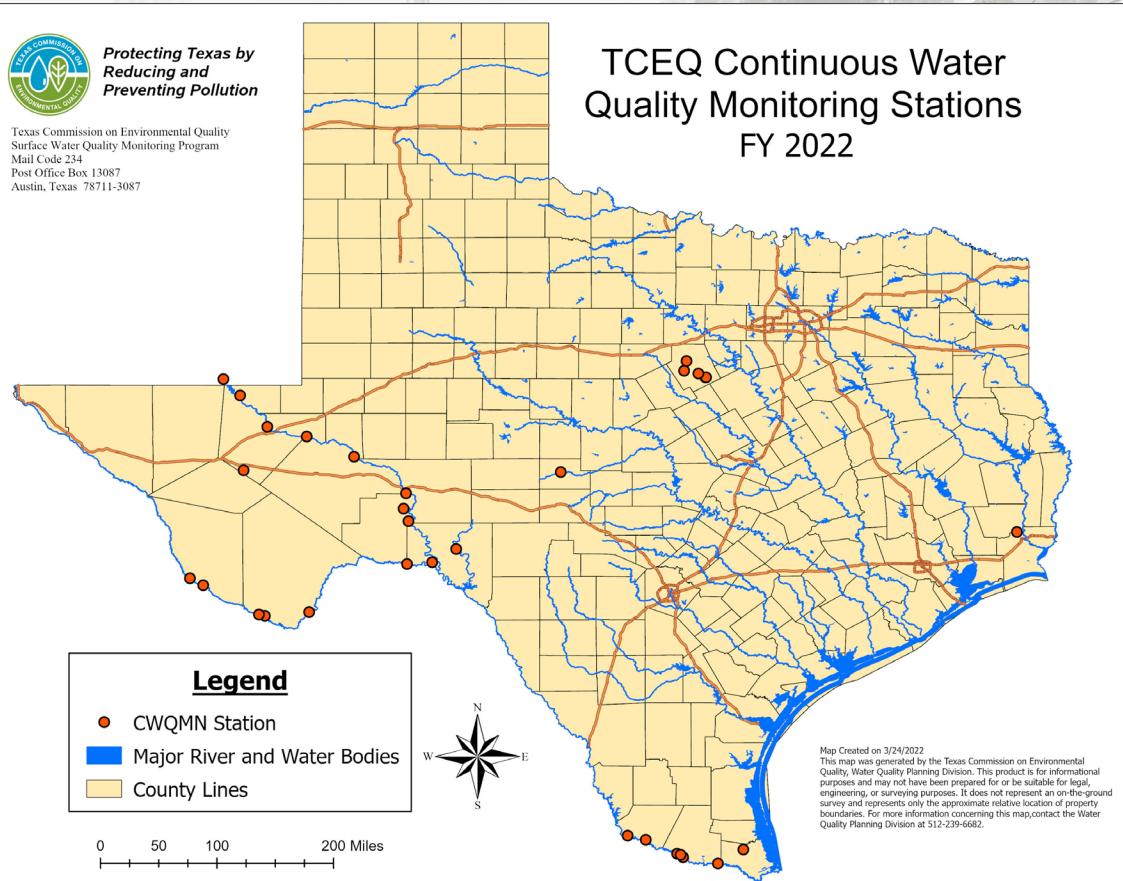
## Special Projects: Contracts

TCEQ staff manage contracts for projects that collect samples as part of national surveys, projects to develop methods, and many more.

# **Continuous Water Quality Monitoring Network (CWQMN)**

**SWQM staff coordinate the data collection of a network of  
continuous water quality monitoring at 32 sites in Texas.**

# CWQMN Stations





# Program Oversight: Training

SWQM staff host the annual SWQM workshop for TCEQ regional staff and river authority partners.

SWQM staff conduct audits of regional collectors

# Program Oversight: Coordination

Together with the Clean Rivers Program, SWQM staff coordinate surface water quality monitoring with groups around Texas.

Site Description	Station ID	Waterbody ID	Basin	SE	CE	MT	24 hr DO	Aqlab	Benthics	Nekton	Metal Water	Organic Water	Metal Sed	Organic Sed	Conv	Amb Tox Water	Amb Tox Sed	Bacteria	Fish Tissue	Flow	Field	Comments
<b>Segment 803 Lake Livingston   Map</b>																						
BEDIAS CREEK IMMEDIATELY DOWNSTREAM OF US 75 SOUTHEAST OF MADISONVILLE   Map	10703	0803F	8	TR	LL	RT					2				2			2	2		2	
<b>Segment 804 Trinity River Above Lake Livingston   Map</b>																						
TEHUACANA CREEK 20 METERS DOWNSTREAM OF SH 75 SOUTHEAST OF STREETMAN   Map	10705	0804F	8	TR	TD	RT					2				2			2	2		2	TRWD Tribs
UPPER KEECHI CREEK IMMEDIATELY UPSTREAM OF FM 542 IN LEON COUNTY   Map	20771	0804H	8	TR	LL	RT	2												2			Diels (FY2021-2025)
UPPER KEECHI CREEK IMMEDIATELY UPSTREAM OF FM 542 IN LEON COUNTY   Map	20771	0804H	8	WC	FO	RT									4			4	4		4	
FAIRFIELD LAKE IN MAIN POOL 751 METERS SOUTH AND 903 METERS WEST OF NORTH END OF DAM 12.9 KM NORTHEAST OF FAIRFIELD   Map	17951	0804J	8	WC	WC	RT									4			4			4	
LOWER KEECHI CREEK 10 METERS UPSTREAM OF FM 611 IN LEON COUNTY   Map	20382	0804K	8	WC	FO	RT									4			4			4	
<b>Segment 836 Richland-Chambers Reservoir   Map</b>																						
RICHLAND-CHAMBERS RESERVOIR AT NORTH END OF DAM 332 METERS SOUTH AND 555 METERS WEST OF INTERSECTION OF US 287 AND RR 488   Map	15168	0836	8	TR	TD	RT									5			4			5	TRWD Routine Conventional and Bacteria also collected below surface depth (0.3m) at this site.
<b>Segment 1203 Whitney Lake   Map</b>																						
LAKE WHITNEY AT SH 174 150 METERS NORTH AND 339 METERS EAST OF INTERSECTION OF SH 174 AND BOSQUE CR 1185 NORTHEAST OF MORGAN   Map	11853	1203	12	WC	FO	RT									4			4			4	
LAKE WHITNEY NOLANS RIVER ARM IMMEDIATELY UPSTREAM OF NOLAN RIVER CONFLUENCE WITH THE BRAZOS RIVER   Map	11854	1203	12	WC	FO	RT									4			4			4	
LAKE WHITNEY NEAR DAM 810 METERS NORTH AND 235 METERS EAST OF INTERSECTION OF SH 22 AND BOSQUE CR 1812 SITE AC USGS 315203097222001   Map	13987	1203	12	WC	FO	RT									4			4			4	
LAKE WHITNEY 932 METERS NORTH AND 526 METERS WEST OF INTERSECTION OF FM SPUR 1713 AND HILL CR 1228 SITE DC USGS 345203097222001   Map	13988	1203	12	WC	FO	RT									4			4			4	
LAKE WHITNEY WEST OF STEELE CREEK PARK NEAR MIDPOINT OF PENINSULA 885 M NORTH AND 1.07 KM EAST OF INTERSECTION OF BOSQUE CR 1304 AND UNNAMED PARK ROAD TO CAMPGROUNDS CAMS 0723   Map	18654	1203	12	WC	FO	RT									4			4			4	

# Assessment: Texas Integrated Report

- Compares water quality data to approved surface water quality standards
  - Identifies impaired waters (303(d) List)
- Requirements
  - Federal Clean Water Act, Sections 305(b) and 303(d)
  - Title 30 of the Texas Administrative Code (30 TAC)
- Conducted every two years
  - Draft due to EPA on April 1 of even numbered years

Process

# Texas Integrated Report

Impaired  
Waters

Assessment  
Summaries

Overview  
documents

Develop  
guidance

Compile  
data

Assess  
Data

Develop  
reports

Public  
comment

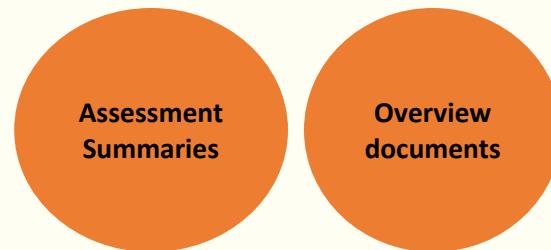
Revise  
documents

TCEQ  
approval

EPA  
approval



# Texas Integrated Report



- **Texas 303(d) List**
- **Index of Water Quality Impairments (Categories 4 and 5)**



# Texas Integrated Report



- **Water Bodies Evaluated**
- **Water Body Assessments by River Basin**
- **Water Bodies with Concerns for Use Attainment and Screening Levels**
- **Potential Sources of Pollution for Impairments and Concerns**
- **New Listings**
- **De-Listings**



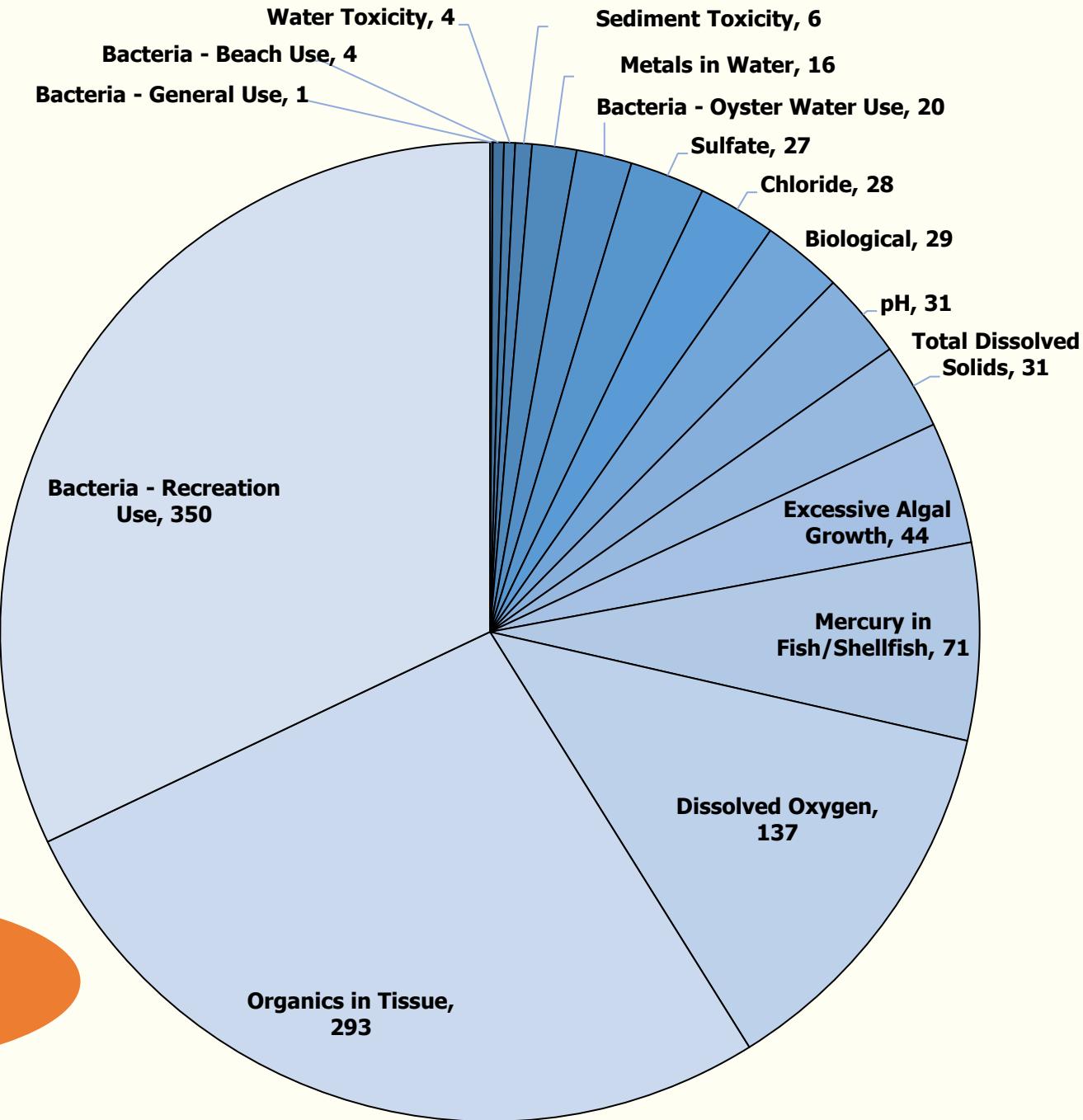
Overview  
Documents

# Texas Integrated Report

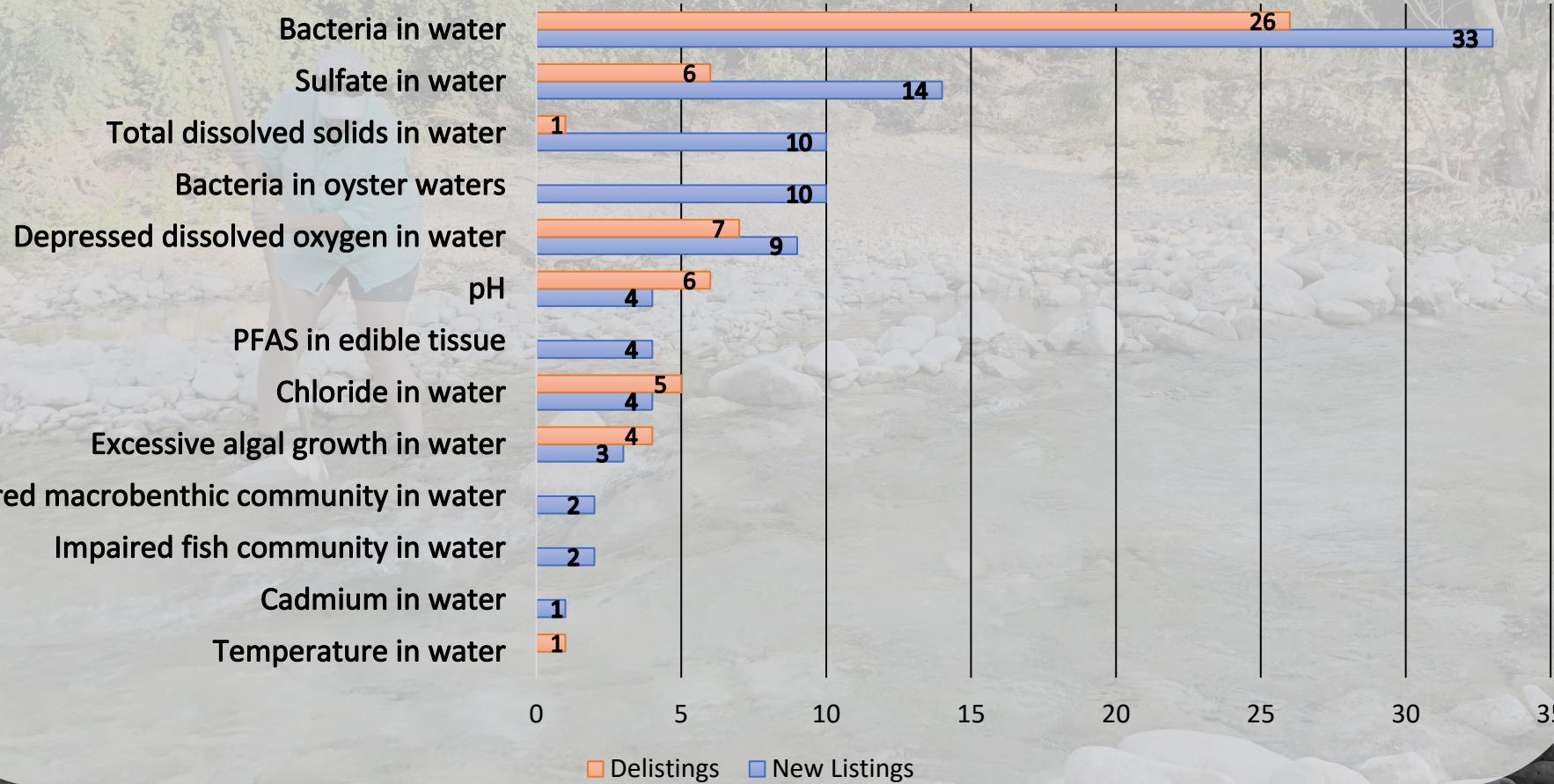
- **Executive Summary Table**
- **Trophic Classification of Texas Reservoirs**
- **Guidance for Assessing and Reporting Surface Water Quality in Texas**
- **Groundwater Assessment**

# 2024 303(d) Impairments (Assessment Units)

1092 impairments



# 303(d) Impairment Changes 2022-2024



# 2026 Integrated Report Timeline

- **Advisory Workgroup Meeting – November 7, 2024**
- **EPA Approval of 2024 IR – November 13, 2024**
- **Assess Data – Summer 2025**
- **Public Comment – November 2025 – December 2025**
- **TCEQ Agenda – Spring 2026**

# Contact Information



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