Update on Rio Grande Water Quality and the Clean Rivers Program

Lisa Torres

Quality Assurance Officer

USIBWC- Clean Rivers Program

Outline

- Texas Clean Rivers Program (CRP) History
- About the program
- Monitoring in the Rio Grande
- Integrated Report and Water Quality Standards
- Summary of issues in the Rio Grande

Texas Clean River Program History

1991

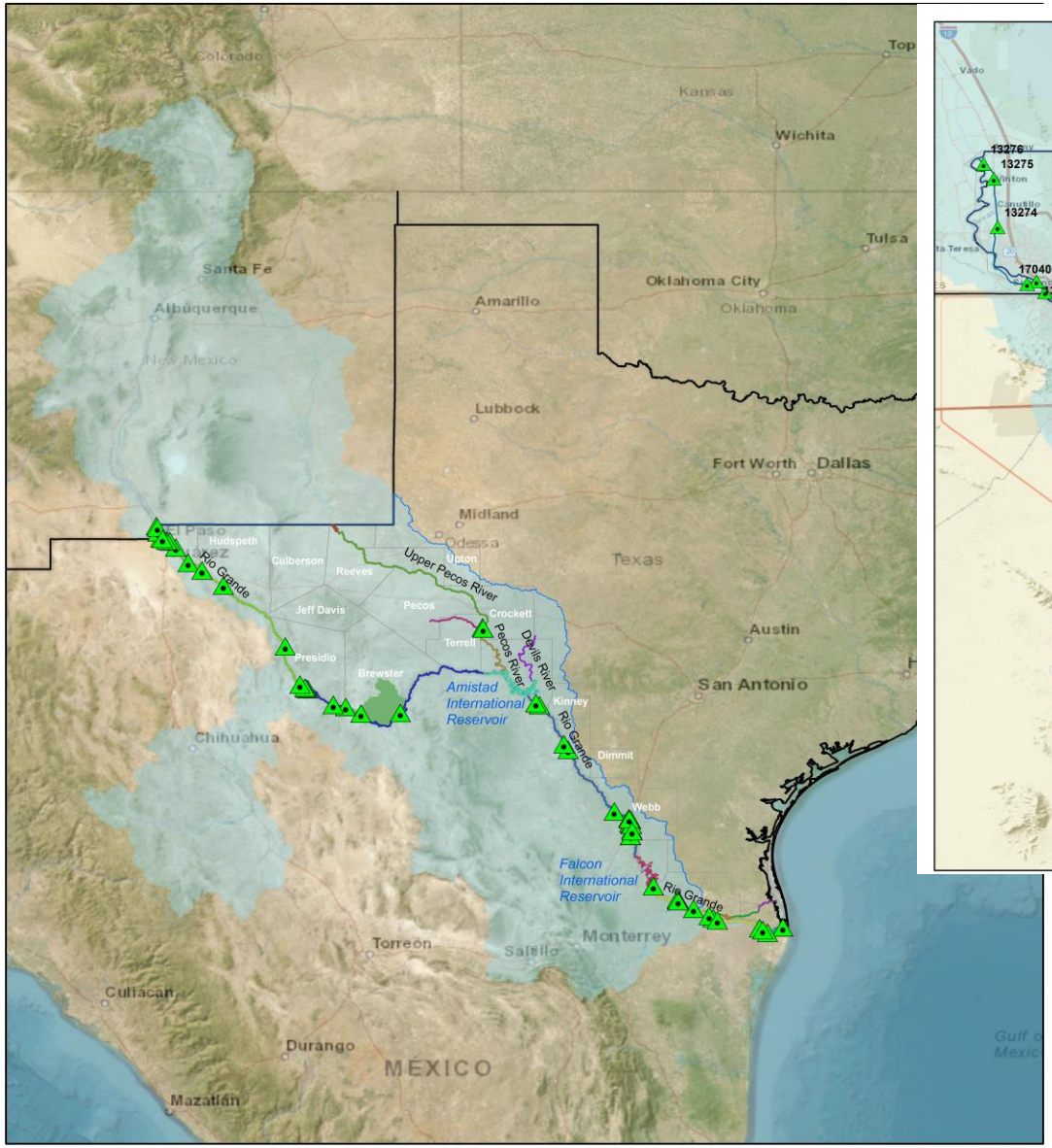
Enacted in 1991 in response to growing concerns on water resources, through Senate Bill 818

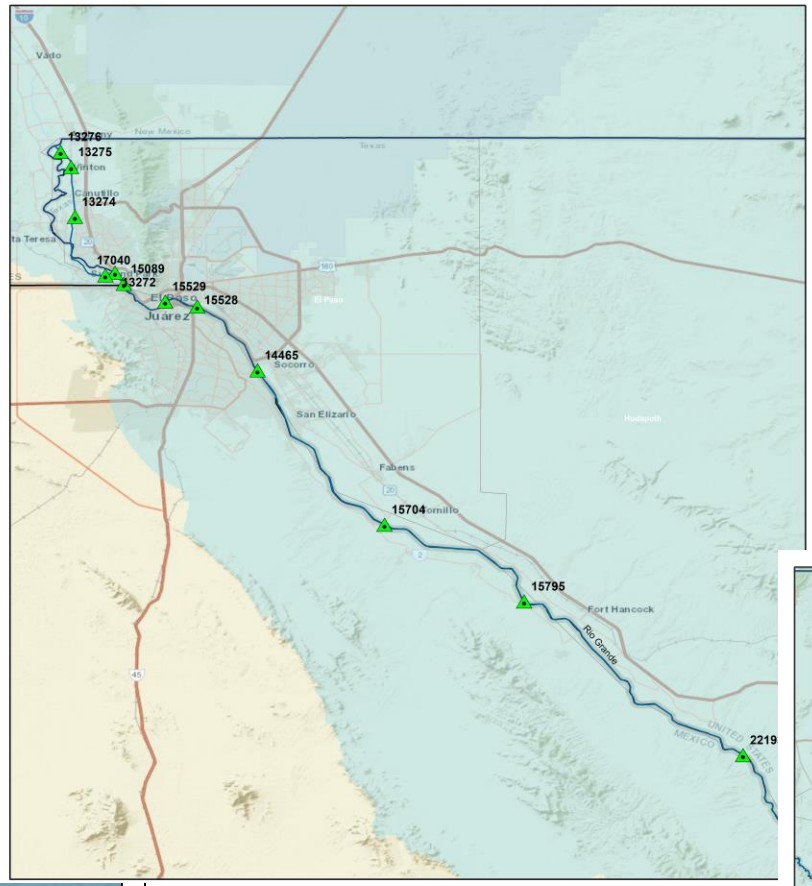
In 1998 USIBWC partnered with TCEQ to run CRP on the Rio Grande

1998

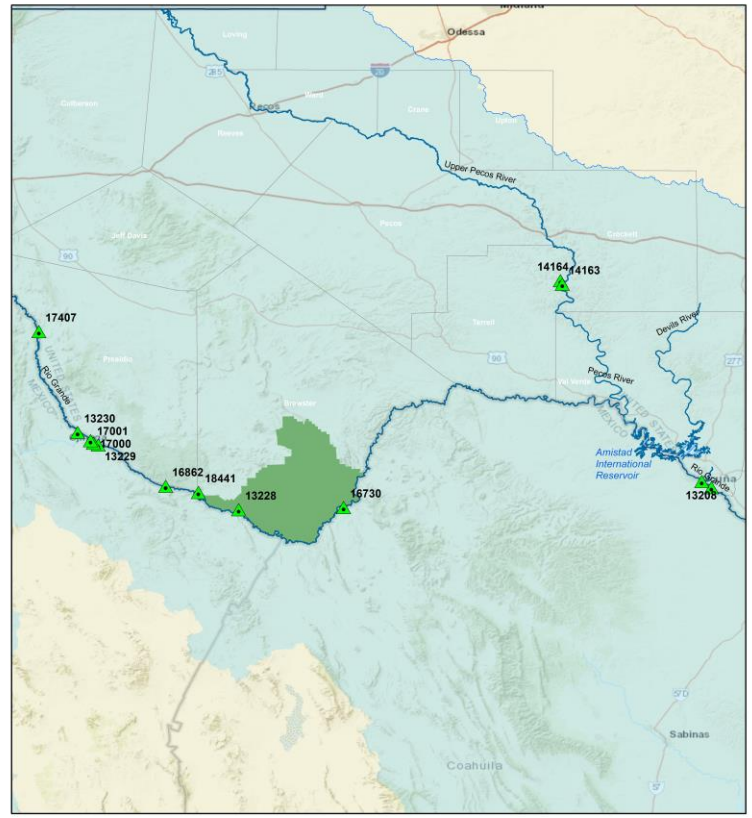
Clean Rivers Program

- There is a program at every major river basin.
- Composed of partnerships between federal, state and local organizations.
- Non-regulatory, state fee-funded program.
- USIBWC CRP collects water quality data from the Rio Grande and Pecos River
- 2023 Sampling sites
  - CRP – 52 sites
  - TCEQ – 35 sites





Northern section – segments 2314, 2308, and 2307



Southern section – segment 2306

2023 IBWC Stations

Rio Grande Basin and USIBWC Monitoring Stations

Rio Grande River Segments

2201 2202 2202A 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2310A 2311 2312 2313 2314

Texas Rio Grande Watershed
Big Bend National Park
Texas Counties
Rio Grande Watershed

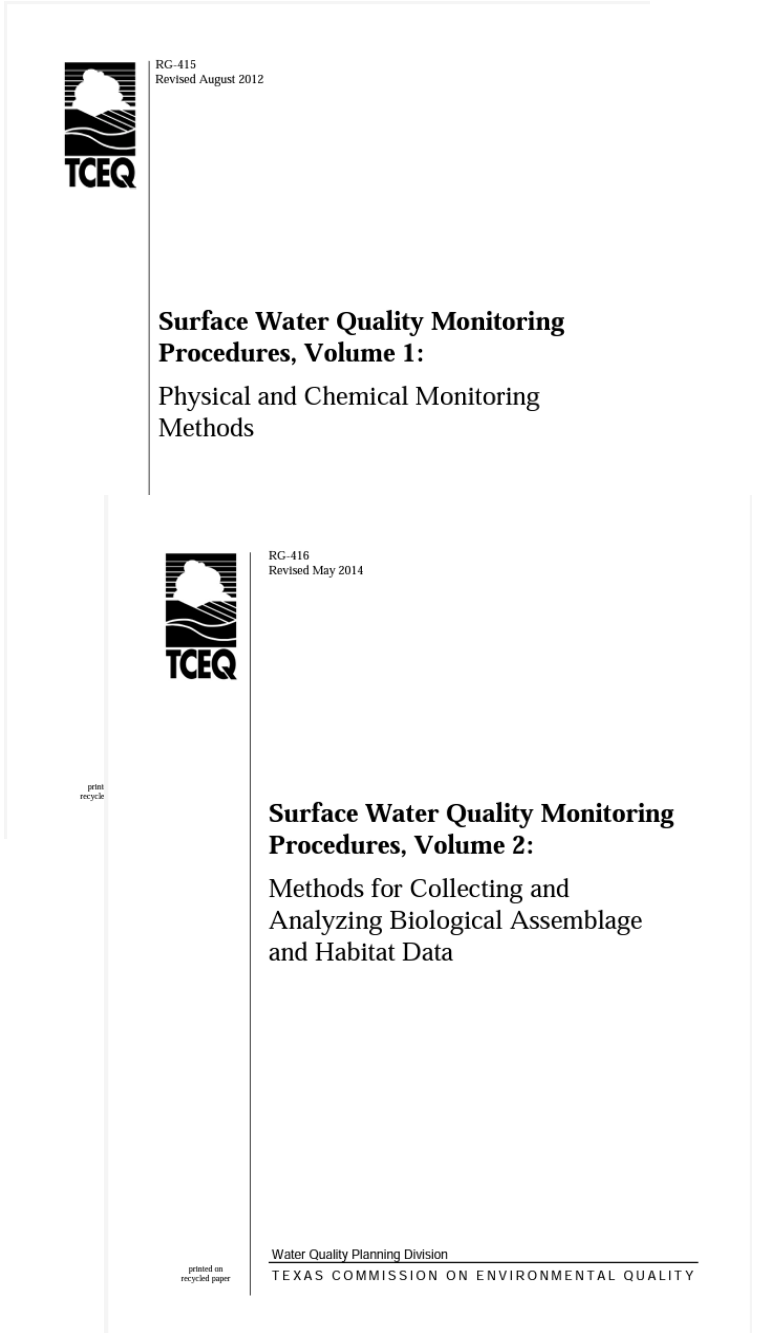
0 75 150 300 Miles

CRP Activities

- Water Quality Monitoring
  - Routine monitoring
  - Special studies
- Water Quality Assessments
- Publications
  - Annual Basin Highlights Report
  - 6-yr Basin Summary Report
- Outreach
- Basin Advisory Committee Participation

Standards and Parameters

- USIBWC collects water quality data within the international reach of the Rio Grande
  - Samples are collected monthly or quarterly by IBWC, TCEQ Regional Offices, and volunteer groups
  - Sampling and analysis was standardized to ensure data quality.
- Surface Water Quality Monitoring Procedures from TCEQ are followed

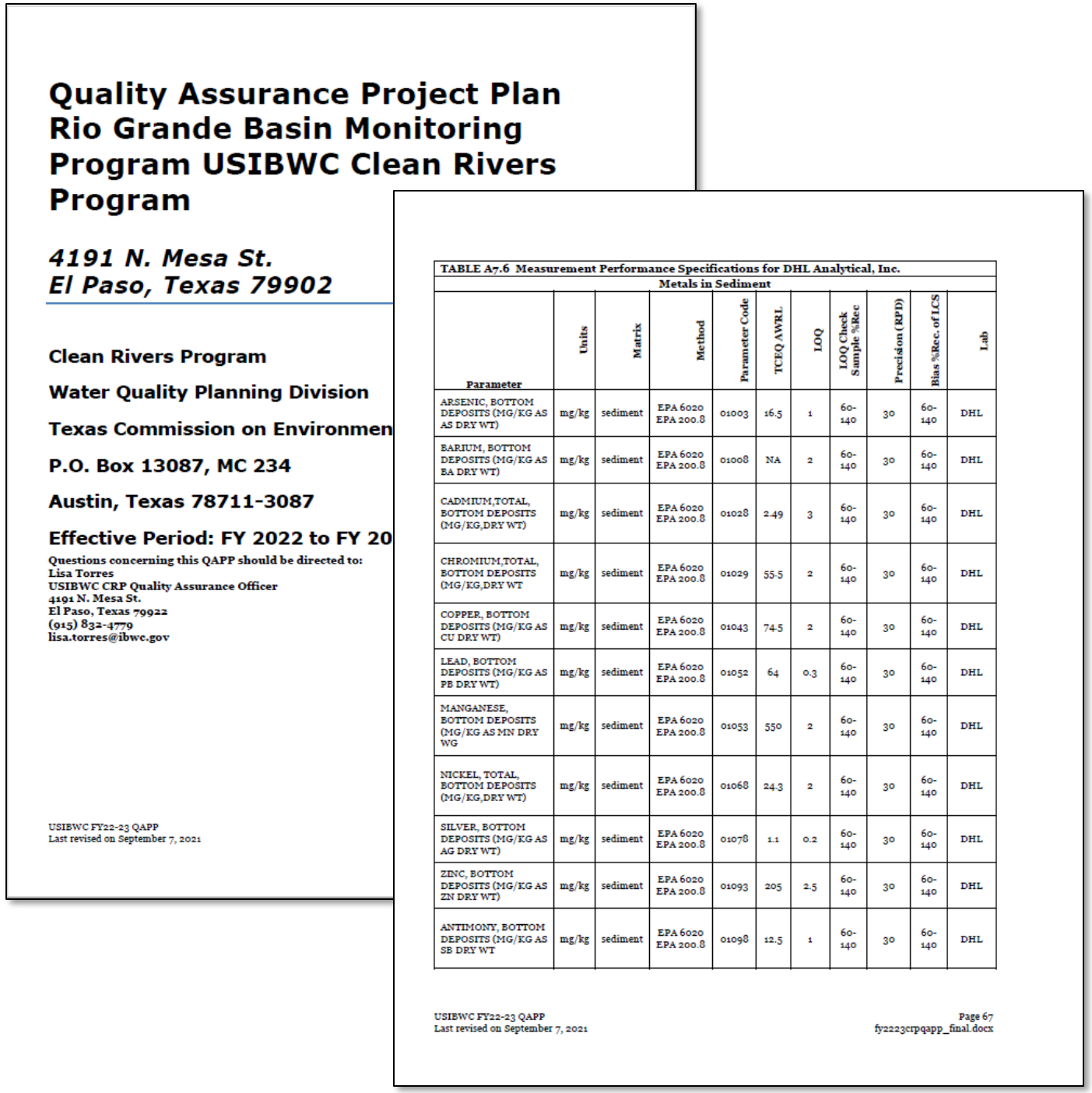


Partnerships

- Upper Rio Grande partners
  - IBWC Presidio and El Paso Field Offices
  - El Paso Water
  - Big Bend National Park Service
  - Texas Parks and Wildlife Dept.
- TCEQ Region 6
- Continuous Water Quality Network

Quality Assurance Project Plan (QAPP)

- Outlines the clean rivers program
  - History
  - Lab procedures
  - Specification tables
  - Monitoring schedules
- Revised every 2 years
  - Amendments as needed
  - Appendix B
- Signed by all participants



Quality Assurance Project Plan Rio Grande Basin Monitoring Program USIBWC Clean Rivers Program

4191 N. Mesa St.
El Paso, Texas 79902

Clean Rivers Program

Water Quality Planning Division

Texas Commission on Environmen

P.O. Box 13087, MC 234

Austin, Texas 78711-3087

Effective Period: FY 2022 to FY 20

Questions concerning this QAPP should be directed to:
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USIBWC FY22-23 QAPP
Last revised on September 7, 2021

TABLE A7.6 Measurement Performance Specifications for DHL Analytical, Inc.
Metals in Sediment

Parameter	Units	Matrix	Method	Parameter Code	TCEQ AWRL	LOQ	LOQ Check Sample %Rec	Precision (RPD)	Bias %Rec. of LCS	Lab
ARSENIC, BOTTOM DEPOSITS (MG/KG AS AS DRY WT)	mg/kg	sediment	EPA 6020 EPA 200.8	01003	16.5	1	60-140	30	60-140	DHL
BARIUM, BOTTOM DEPOSITS (MG/KG AS BA DRY WT)	mg/kg	sediment	EPA 6020 EPA 200.8	01008	NA	2	60-140	30	60-140	DHL
CADMIUM,TOTAL, BOTTOM DEPOSITS (MG/KG,DRY WT)	mg/kg	sediment	EPA 6020 EPA 200.8	01028	2.49	3	60-140	30	60-140	DHL
CHROMIUM,TOTAL, BOTTOM DEPOSITS (MG/KG,DRY WT	mg/kg	sediment	EPA 6020 EPA 200.8	01029	55.5	2	60-140	30	60-140	DHL
COPPER, BOTTOM DEPOSITS (MG/KG AS CU DRY WT)	mg/kg	sediment	EPA 6020 EPA 200.8	01043	74.5	2	60-140	30	60-140	DHL
LEAD, BOTTOM DEPOSITS (MG/KG AS PB DRY WT)	mg/kg	sediment	EPA 6020 EPA 200.8	01052	64	0.3	60-140	30	60-140	DHL
MANGANESE, BOTTOM DEPOSITS (MG/KG AS MN DRY WG	mg/kg	sediment	EPA 6020 EPA 200.8	01053	550	2	60-140	30	60-140	DHL
NICKEL, TOTAL, BOTTOM DEPOSITS (MG/KG,DRY WT)	mg/kg	sediment	EPA 6020 EPA 200.8	01068	24.3	2	60-140	30	60-140	DHL
SILVER, BOTTOM DEPOSITS (MG/KG AS AG DRY WT)	mg/kg	sediment	EPA 6020 EPA 200.8	01078	1.1	0.2	60-140	30	60-140	DHL
ZINC, BOTTOM DEPOSITS (MG/KG AS ZN DRY WT)	mg/kg	sediment	EPA 6020 EPA 200.8	01093	205	2.5	60-140	30	60-140	DHL
ANTIMONY, BOTTOM DEPOSITS (MG/KG AS SB DRY WT	mg/kg	sediment	EPA 6020 EPA 200.8	01098	12.5	1	60-140	30	60-140	DHL

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Segment No.	Rio Grande Basin Segment Names	Recreation Use	Aquatic Life Use	Domestic Water Supply Use	Other Uses	Cl^{-1} (mg/L)	SO_4^{-2} (mg/L)	TDS (mg/L)	Dissolved Oxygen (mg/L)	pH Range (SU)	Indicator Bacteria[1] #/100 mL	Temperature (degrees F)	
2306	Rio Grande Above Amistad Reservoir	PCR1	H	PS		200	450	1,400	5.0	6.5-9.0	126	93	
2307	Rio Grande Below Riverside Diversion Dam	PCR1	H	PS		300	550	1,500	5.0	6.5-9.0	126	93	
2308	Rio Grande Below International Dam	NCR	L			250	450	1,400	3.0	6.5-9.0	605	95	
2309	Devils River[2]	PCR1	E	PS		50	50	300	6.0	6.5-9.0	126	90	
2310	Lower Pecos River	PCR1	H	PS		1,700	1,000	4,000	5.0	6.5-9.0	126	92	
2311	Upper Pecos River	PCR1	L			7,000	3,500	15,000	5.0[3]	6.5-9.0	33	92	
2312	Red Bluff Reservoir	PCR1	H			3,200	2,200	9,400	5.0	6.5-9.0	33	90	
2313	San Felipe Creek[2]	PCR1	H	PS		50	50	400	5.0	6.5-9.0	126	90	
2314	Rio Grande Above International Dam	PCR1	H	PS		340	600	1,800	5.0	6.5-9.0	126	92	
2315	Rio Grande Below Rio Conchos	PCR1	H			450	750	2,100	5.0	6.5-9.0	126	93	

1 The indicator bacteria for freshwater is E. coli and for saltwater is Enterococci. The indicator bacteria for Segments 2311 and 2312 is Enterococci.
2 The critical low-flow is calculated in accordance with §307.8(a)(2)(A) of this title.
3 The 24-hour minimum dissolved oxygen criterion is 1.0 mg/L.

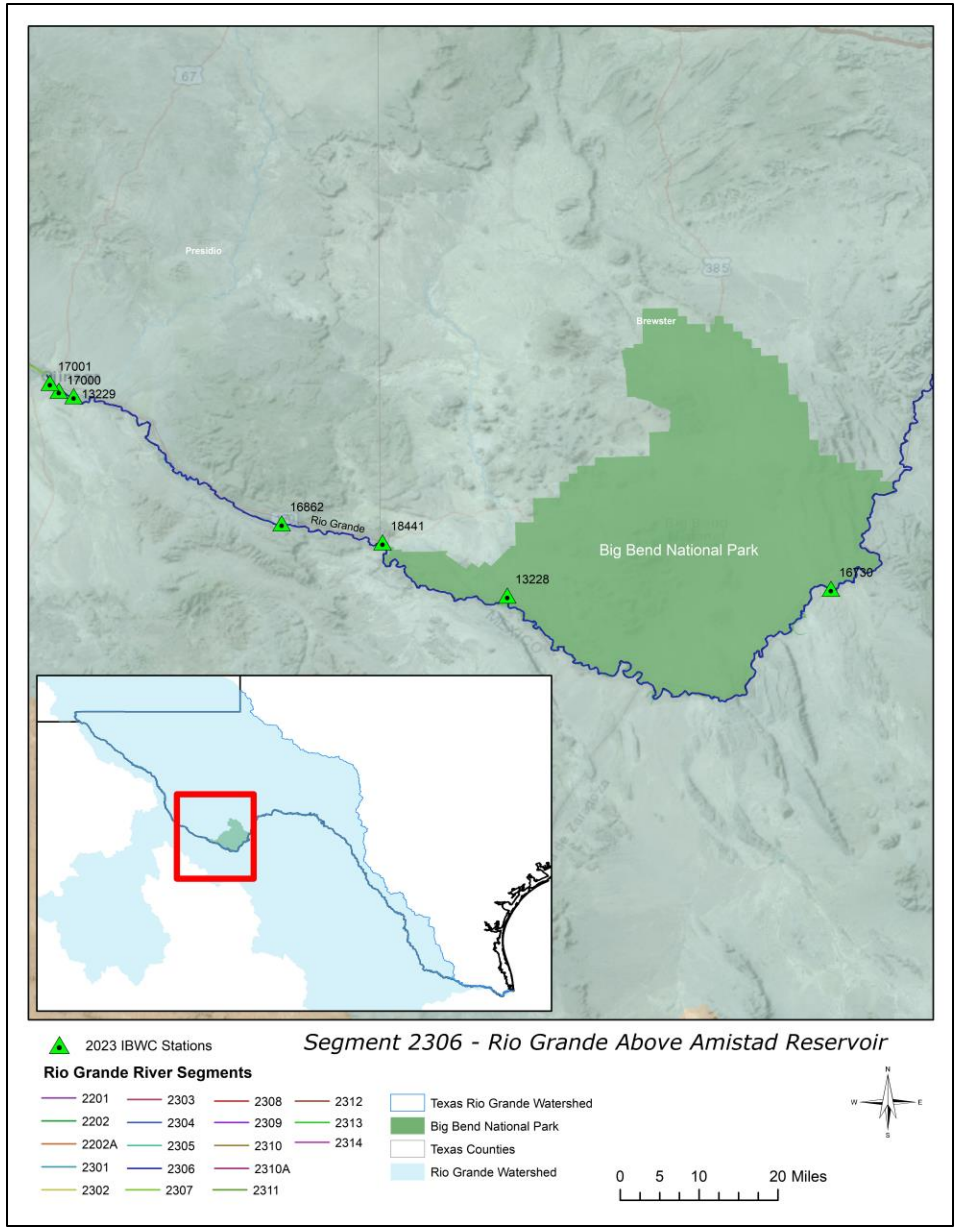
- (51) Primary contact recreation 1--Activities that are presumed to involve a significant risk of ingestion of water (e.g., wading by children, swimming, water skiing, diving, tubing, surfing, hand fishing as defined by Texas Parks and Wildlife Code, §66.115, and the following whitewater activities: kayaking, canoeing, and rafting).
- (52) Primary contact recreation 2--Water recreation activities, such as wading by children, swimming, water skiing, diving, tubing, surfing, hand fishing as defined by Texas Parks and Wildlife Code, §66.115, and whitewater kayaking, canoeing, and rafting, that involve a significant risk of ingestion of water but that occur less frequently than for primary contact recreation 1 due to:
- (A) physical characteristics of the water body; or
- (B) limited public access.

NCR--noncontact recreation.

Texas Surface Water Quality Standards

Segments and Stations

Seg ID	Seg Name	Segment Description	Segment Type	AU ID	AU Description	Flow Type	Flow Type Source	ALU Designation	ALU Designation Source	Station ID(s)
2306	Rio Grande Above Amistad Reservoir	From a point 1.8 km (1.1 mi) downstream of the confluence of Ramsey Canyon in Val Verde County to the confluence of the Rio Conchos (Mexico) in Presidio County	Freshwater Stream	2306_01	From the lower segment boundary at Ramsey Canyon upstream to the confluence of Panther Gulch	Perennial	TSWQS Appendix A	High	TSWQS Appendix A	13223; 13722; 20628; 20631;
				2306_02	From the confluence of Panther Gulch upstream to FM 2627	Perennial	TSWQS Appendix A	High	TSWQS Appendix A	20623; 20625; 20626
				2306_03	From FM 2627 upstream to Boquillas Canyon	Perennial	TSWQS Appendix A	High	TSWQS Appendix A	13225; 13226
				2306_04	From Boquillas Canyon upstream to Mariscal Canyon	Perennial	TSWQS Appendix A	High	TSWQS Appendix A	16730; 20619
				2306_05	From Mariscal Canyon to a point upstream of the IBWC gage at Johnson Ranch	Perennial	TSWQS Appendix A	High	TSWQS Appendix A	No Stations
				2306_06	From a point upstream of the IBWC gage at Johnson Ranch to the mouth of Santa Elena Canyon at the Terlingua Creek confluence	Perennial	TSWQS Appendix A	High	TSWQS Appendix A	13228
				2306_07	From the mouth of Santa Elena Canyon at the Terlingua Creek confluence upstream to the Alamito Creek confluence	Perennial	TSWQS Appendix A	High	TSWQS Appendix A	13229; 16862; 18441
				2306_08	From Alamito Creek confluence upstream to the Rio Conchos confluence	Perennial	TSWQS Appendix A	High	TSWQS Appendix A	17000; 17001
2306A	Alamito Creek	From Rio Grande confluence upstream to the confluence of the North and South Forks of Alamito Creek north of Marfa in Presidio County	Freshwater Stream	2306A_01	From the confluence with the Rio Grande upstream to Ranch Road 169 crossing	Perennial	Routine Flow Data	High	Presumption from flow type	No Stations
				2306A_02	From the Ranch Road 169 crossing upstream to the confluence of the North and South Forks of Alamito Creek north of Marfa in	Perennial	Flow Questionnaire	High	Presumption from flow type	No Stations



IBWC Stations

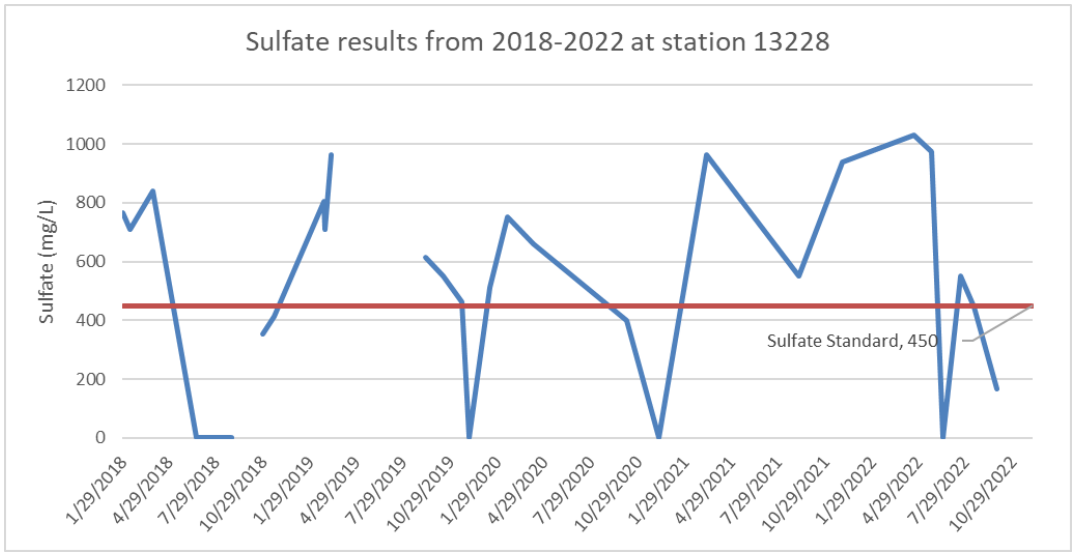
- 13228
- 13229
- 16730
- 16862
- 17000 – Bacteria only
- 17001 – Bacteria only
- 18441

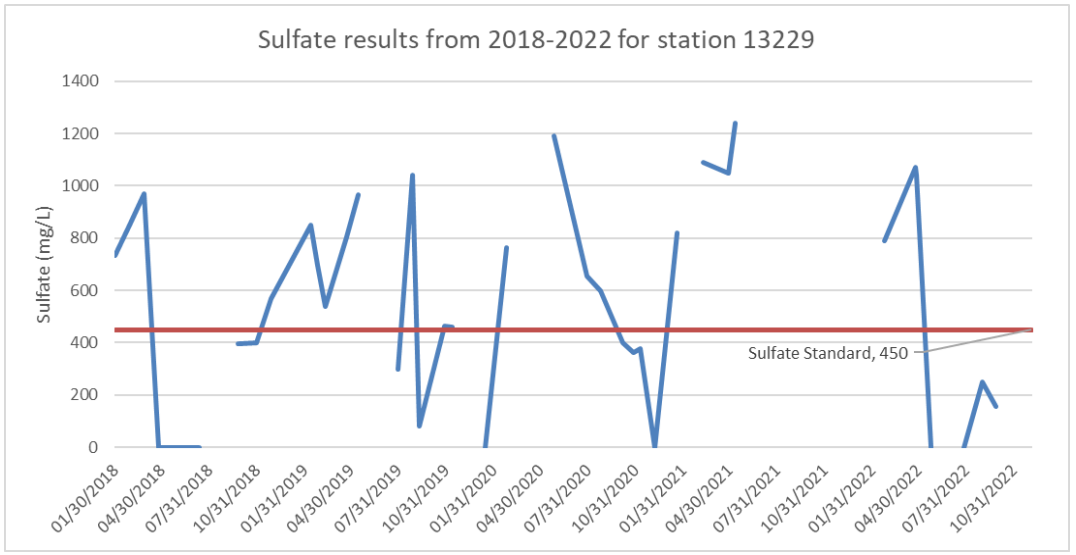
Impairment 303(d)

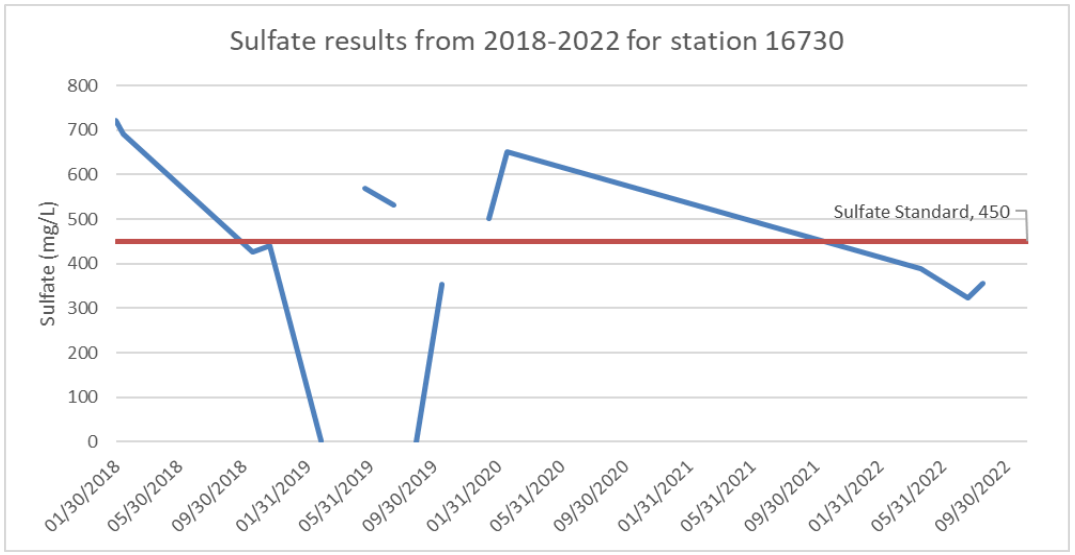
2306	Rio Grande Above Amistad Reservoir	2306_01	Sulfate in water	5b
		2306_02	Sulfate in water	5b
		2306_03	Sulfate in water	5b
		2306_04	Sulfate in water	5b
		2306_05	Sulfate in water	5b
		2306_06	Sulfate in water	5b
		2306_07	Sulfate in water	5b
		2306_08	Sulfate in water	5b

Category 5b: A review of the standards for the water body will be conducted before a management strategy is selected.

Segment 2306 station results – Sulfate







Possible sources

Seg Id: 2306 - Rio Grande Above Amistad Reservoir				
AU ID	Assessment Method	Parameter	LOS	Sources
2306_01	Dissolved Solids	Sulfate	NS	NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders
2306_02	Dissolved Solids	Sulfate	NS	NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders
2306_03	Dissolved Solids	Sulfate	NS	NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders
2306_04	Dissolved Solids	Sulfate	NS	NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders
2306_05	Dissolved Solids	Sulfate	NS	NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders
2306_06	Nutrient Screening Levels	Chlorophyll-a	CS	NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders
	Dissolved Solids	Sulfate	NS	NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders
2306_07	Nutrient Screening Levels	Chlorophyll-a	CS	NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders; UNK - Source Unknown
	Dissolved Solids	Sulfate	NS	NPS - Crop Production (Irrigated); NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders
2306_08	Nutrient Screening Levels	Chlorophyll-a	CS	NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders
	Dissolved Solids	Sulfate	NS	NPS - Crop Production (Irrigated); NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders

LOS: Level of support for this assessment method and parameter:
- NS - Non-Support.
- CN - Concern for near-nonattainment of the TSWQS based on numeric criteria.
- CS - Concern for water quality based on screening levels.

Sources: The sources of impairment and concerns reflect "possible" source information. Possible sources include activities, facilities, or conditions occurring in the watershed that might keep the water from meeting the criteria to prevent the attainment of designated uses. These lists of possible sources are not exhaustive, and do not constitute defined targets for water quality management actions:
- PS - Point Source
- NPS - Nonpoint Source
- UNK - Source Unknown

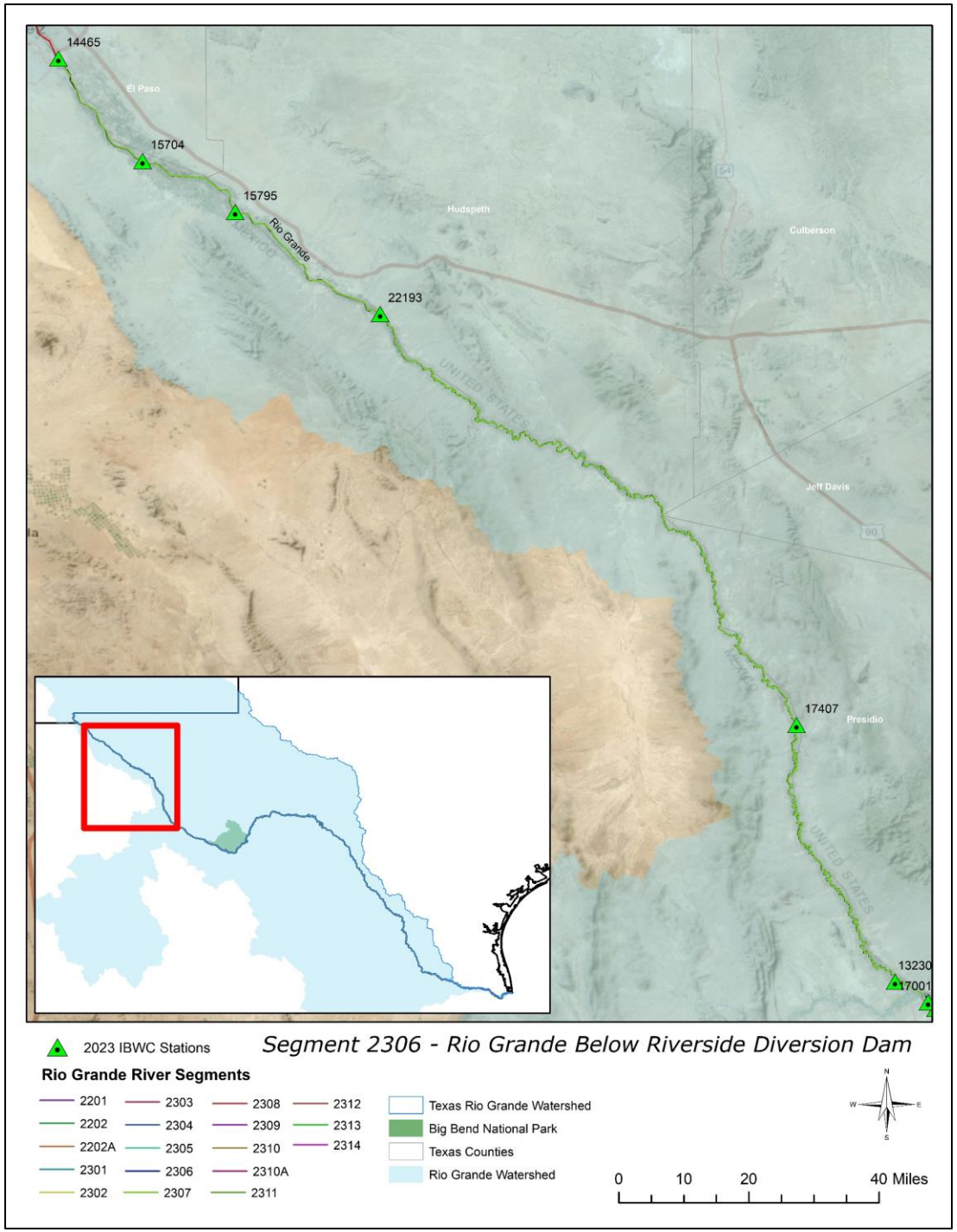
Segments and Stations

Seg ID	Seg Name	Segment Description	Segment Type	AU ID	AU Description	Flow Type	Flow Type Source	ALU Designation	ALU Designation Source	Station ID(s)
2307	Rio Grande Below Riverside Diversion Dam	From the confluence of the Rio Conchos (Mexico) in Presidio County to Riverside Diversion Dam in El Paso County	Freshwater Stream	2307_01	From immediately upstream of the Rio Conchos confluence to a point 40.2 km (25 mi) upstream	Perennial	TSWQS Appendix A	High	TSWQS Appendix A	13230
				2307_02	From a point 40.2 km (25 mi) upstream of the Rio	Perennial	TSWQS Appendix A	High	TSWQS Appendix A	17407
				2307_03	From Little Box Canyon upstream to the Alamo Grade Structure	Perennial	TSWQS Appendix A	High	TSWQS Appendix A	No Stations
				2307_04	From the Alamo Grade Structure upstream to the Guadalupe Bridge	Perennial	TSWQS Appendix A	High	TSWQS Appendix A	15704; 15795
				2307_05	From the Guadalupe Bridge to downstream of the Riverside Diversion Dam	Perennial	TSWQS Appendix A	High	TSWQS Appendix A	14465; 16272

IBWC Stations

- 13230
- 14465
- 15704 – Mostly Dry
- 15795
- 17407
- 22193

Segment 2307

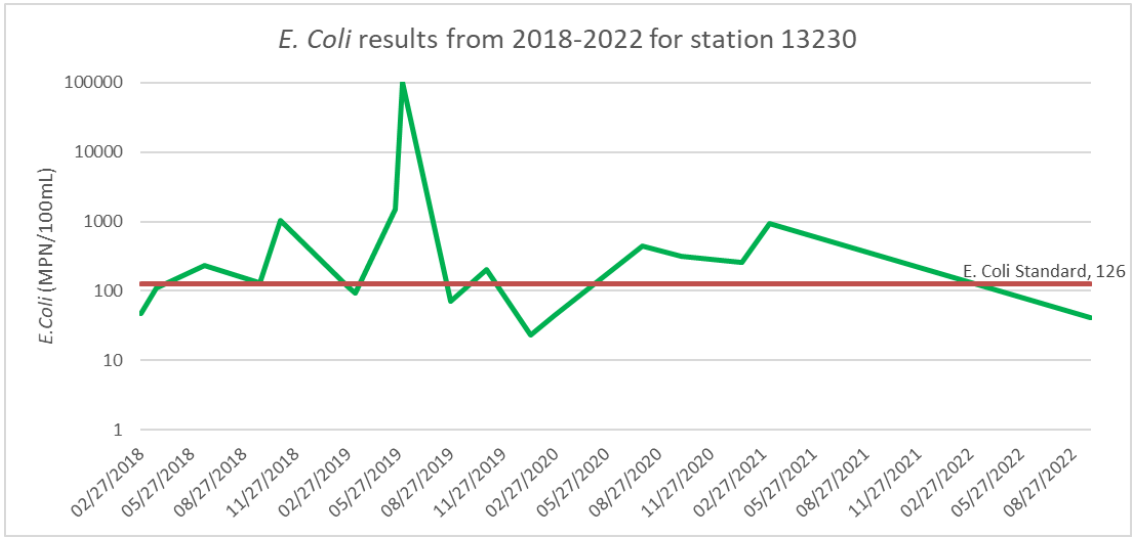


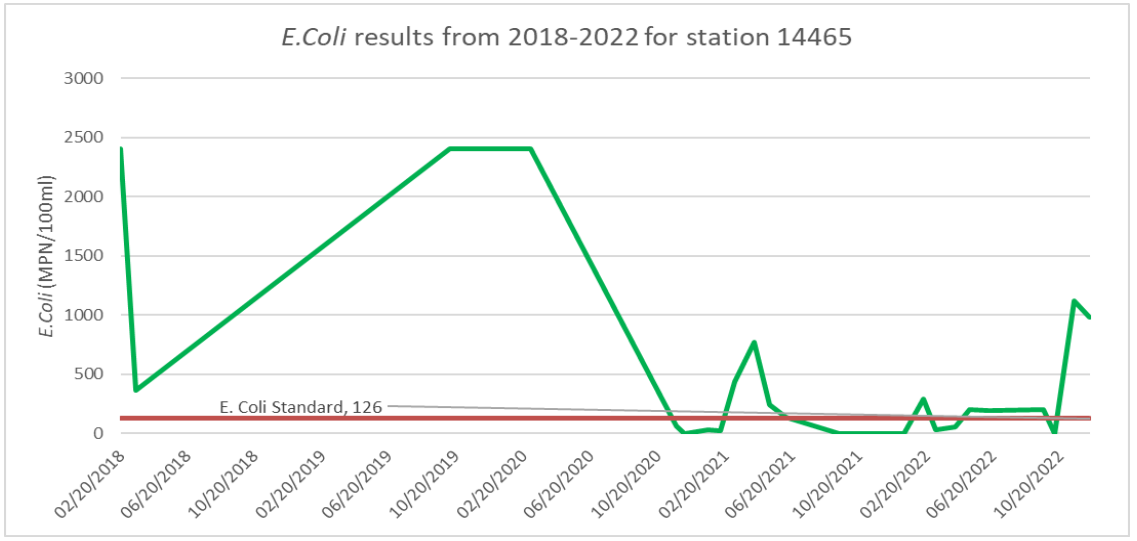
Impairments 303(d)

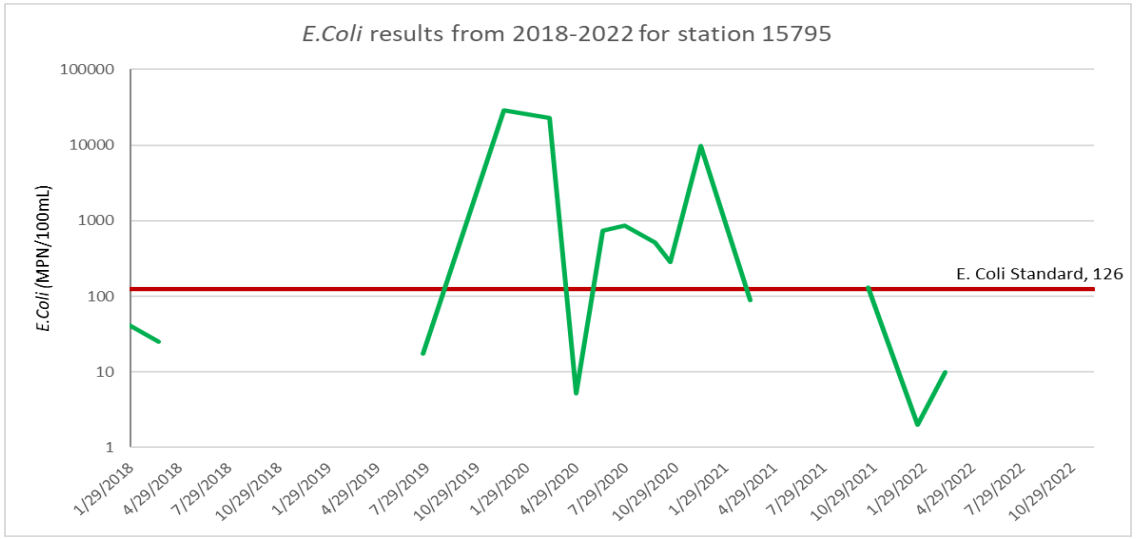
2307	Rio Grande Below Riverside Diversion Dam	2307_01	Chloride in water	5c	N
			Total dissolved solids in water	5c	N
		2307_02	Chloride in water	5c	N
			Total dissolved solids in water	5c	N
		2307_03	Bacteria in water (Recreation Use)	5c	Y
			Chloride in water	5c	N
			Total dissolved solids in water	5c	N
		2307_04	Bacteria in water (Recreation Use)	5c	N
			Chloride in water	5c	N
			Total dissolved solids in water	5c	N
		2307_05	Bacteria in water (Recreation Use)	5c	N
			Chloride in water	5c	N
			Total dissolved solids in water	5c	N

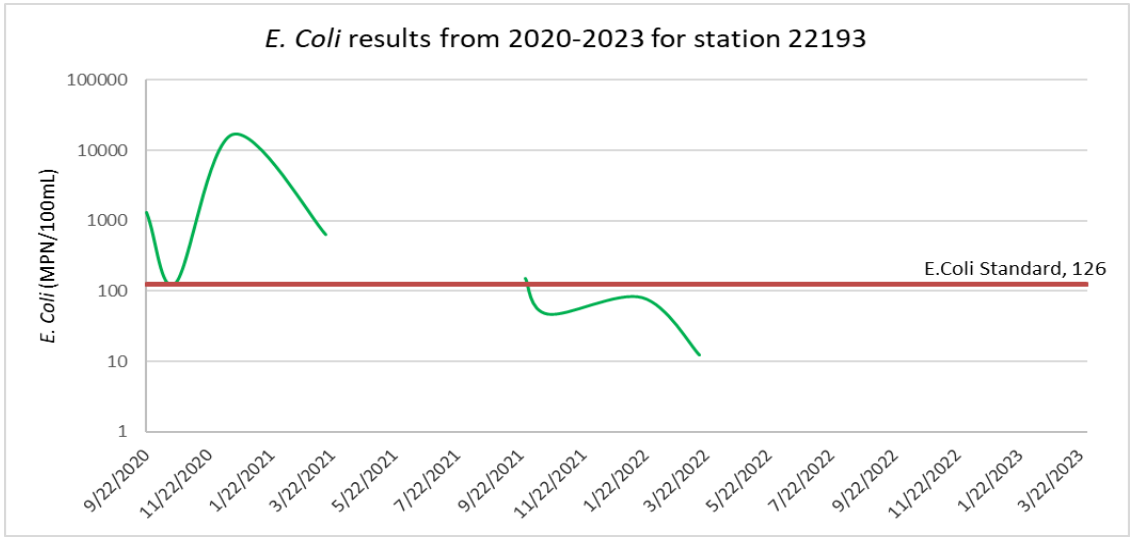
Category 5c: Additional data and information will be collected or evaluated before a management strategy is selected.

Segment 2307 station results - Bacteria

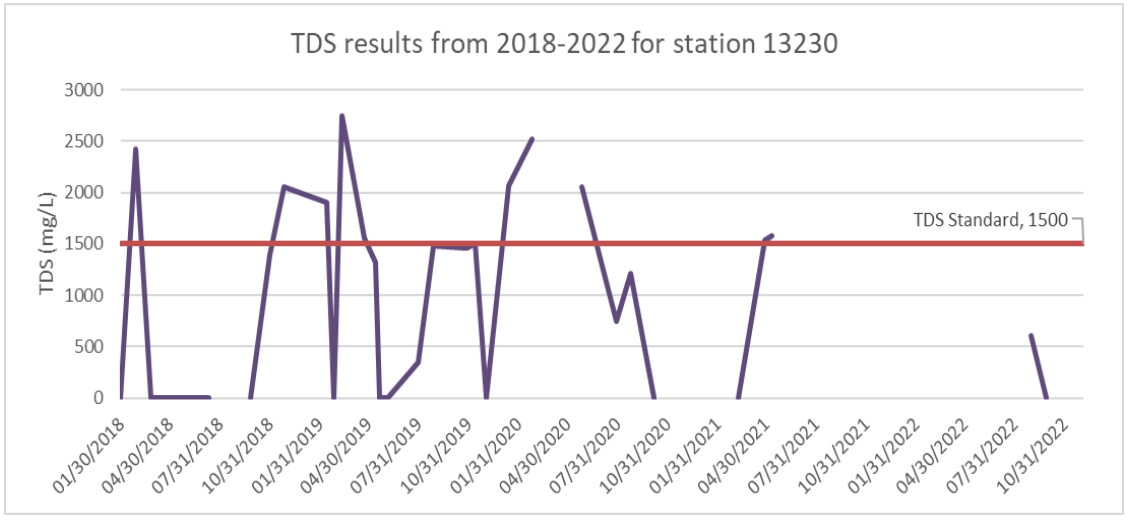


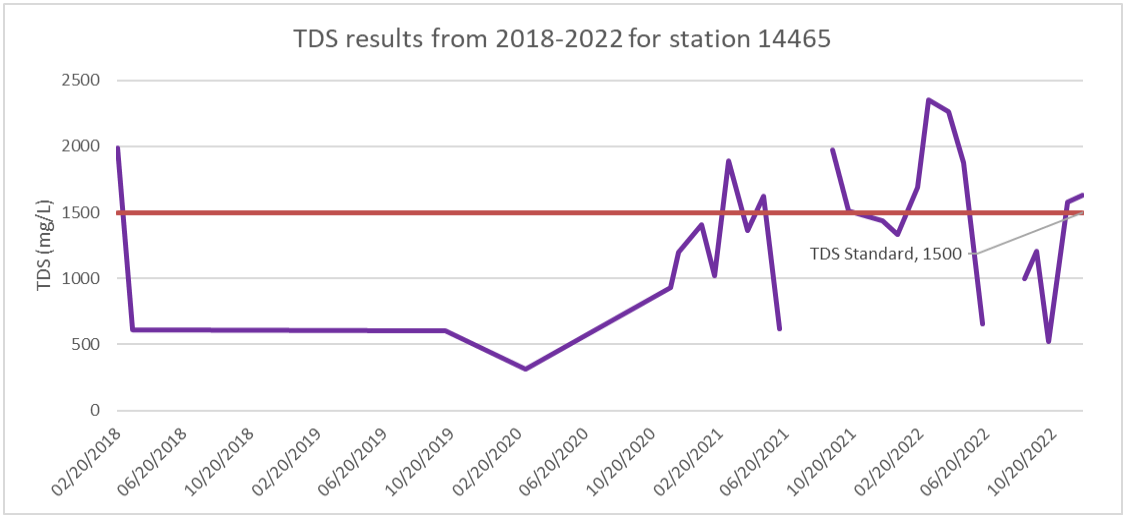


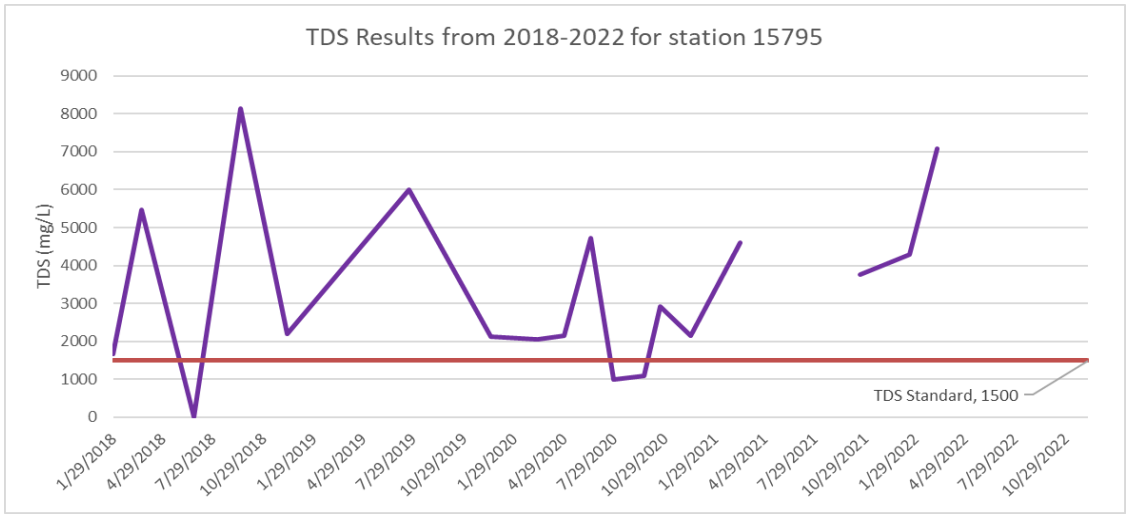


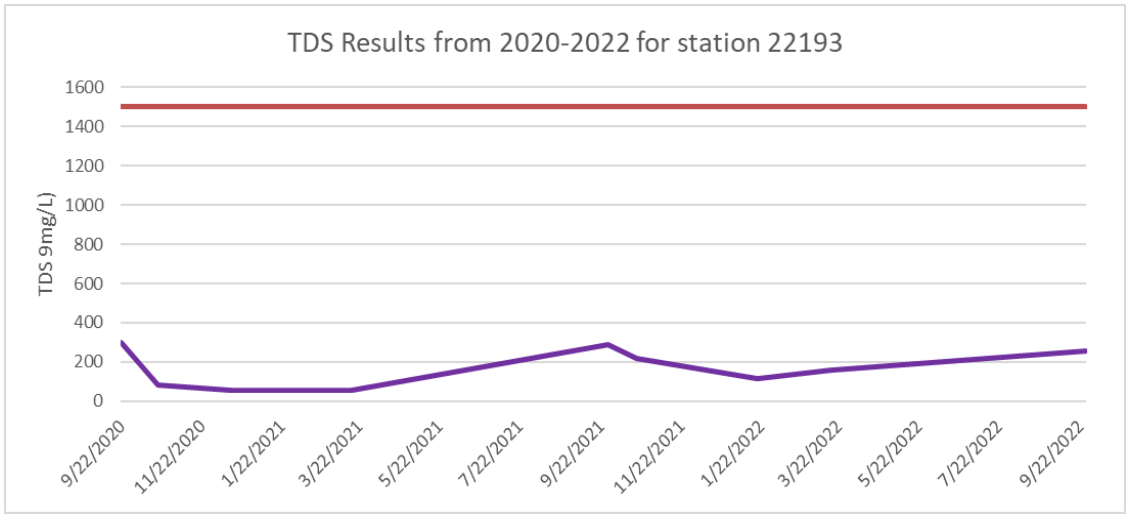


Segment 2307 station results – Total Dissolved Solids









Possible Sources

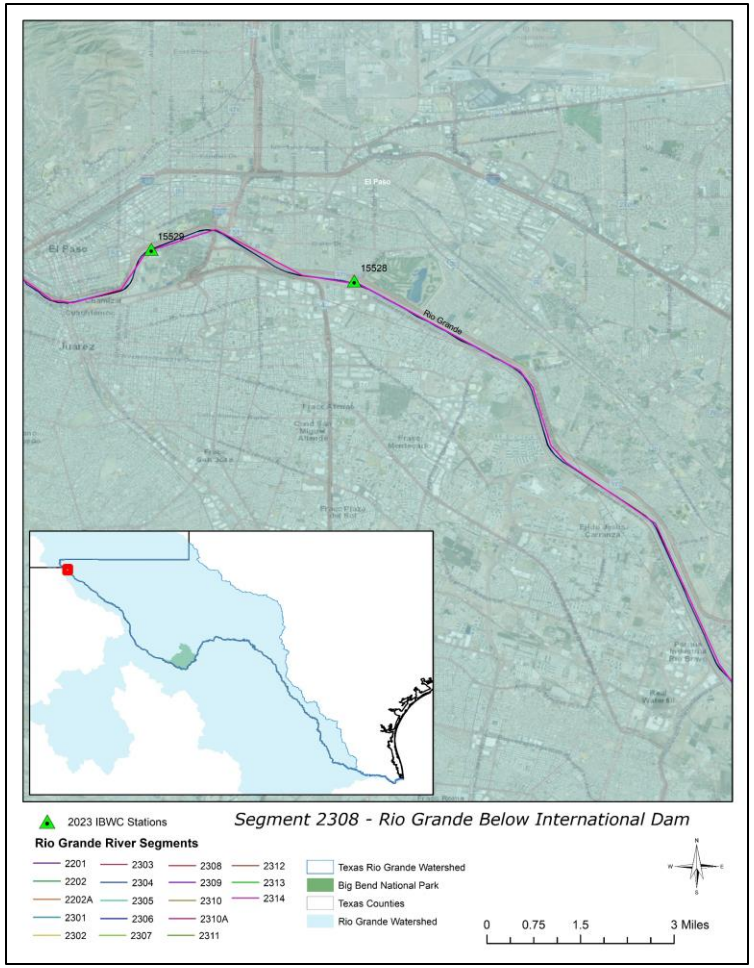
Seg Id: 2307 - Rio Grande Below Riverside Diversion Dam				
AU ID	Assessment Method	Parameter	LOS	Sources
2307_03	Nutrient Screening Levels	Total phosphorus	CS	NPS - Crop Production (Irrigated); NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders; PS - Unknown Point Source
2307_04	Nutrient Screening Levels	Ammonia	CS	NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders; PS - Unknown Point Source
	Dissolved Solids	Chloride	NS	NPS - Crop Production (Irrigated); NPS - Sources Outside State Jurisdiction Or Borders
	Nutrient Screening Levels	Chlorophyll-a	CS	NPS - Crop Production (Irrigated); NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders; PS - Unknown Point Source
	Bacteria Geomean	E. coli	NS	NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders; PS - Unknown Point Source
	Nutrient Screening Levels	Nitrate	CS	NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders; PS - Unknown Point Source
	Dissolved Solids	Total dissolved solids	NS	NPS - Crop Production (Irrigated); NPS - Sources Outside State Jurisdiction Or Borders
	Nutrient Screening Levels	Total phosphorus	CS	NPS - Crop Production (Irrigated); NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders; PS - Unknown Point Source
2307_05	Nutrient Screening Levels	Ammonia	CS	NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders; PS - Unknown Point Source
	Dissolved Solids	Chloride	NS	NPS - Crop Production (Irrigated); NPS - Sources Outside State Jurisdiction Or Borders
	Nutrient Screening Levels	Chlorophyll-a	CS	NPS - Crop Production (Irrigated); NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders; PS - Unknown Point Source
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	CS	NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders; UNK - Source Unknown
	Bacteria Geomean	E. coli	NS	NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders; PS - Unknown Point Source
	Nutrient Screening Levels	Nitrate	CS	NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders; PS - Unknown Point Source
	Dissolved Solids	Total dissolved solids	NS	NPS - Crop Production (Irrigated); NPS - Sources Outside State Jurisdiction Or Borders
	Nutrient Screening Levels	Total phosphorus	CS	NPS - Crop Production (Irrigated); NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders; PS - Unknown Point Source

Seg Id: 2307 - Rio Grande Below Riverside Diversion Dam				
AU ID	Assessment Method	Parameter	LOS	Sources
2307_01	Dissolved Solids	Chloride	NS	NPS - Crop Production (Irrigated); NPS - Sources Outside State Jurisdiction Or Borders
	Nutrient Screening Levels	Chlorophyll-a	CS	NPS - Crop Production (Irrigated); NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders; PS - Unknown Point Source
	Bacteria Geomean	E. coli	CN	NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders; PS - Point Source Unknown
	Dissolved Solids	Total dissolved solids	NS	NPS - Crop Production (Irrigated); NPS - Sources Outside State Jurisdiction Or Borders
2307_02	Dissolved Solids	Chloride	NS	NPS - Crop Production (Irrigated); NPS - Sources Outside State Jurisdiction Or Borders
	Nutrient Screening Levels	Chlorophyll-a	CS	NPS - Crop Production (Irrigated); NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders; PS - Unknown Point Source
	Dissolved Solids	Total dissolved solids	NS	NPS - Crop Production (Irrigated); NPS - Sources Outside State Jurisdiction Or Borders
2307_03	Nutrient Screening Levels	Ammonia	CS	NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders; PS - Unknown Point Source
	Dissolved Solids	Chloride	NS	NPS - Crop Production (Irrigated); NPS - Sources Outside State Jurisdiction Or Borders
	Nutrient Screening Levels	Chlorophyll-a	CS	NPS - Crop Production (Irrigated); NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders; PS - Unknown Point Source
	Bacteria Geomean	E. coli	NS	NPS - Non-Point Source; NPS - Sources Outside State Jurisdiction Or Borders; PS - Unknown Point Source
	Dissolved Solids	Total dissolved solids	NS	NPS - Crop Production (Irrigated); NPS - Sources Outside State Jurisdiction Or Borders

Segment and Stations

Seg ID	Seg Name	Segment Description	Segment Type	AU ID	AU Description	Flow Type	Flow Type Source	ALU Designation	ALU Designation Source	Station ID(s)
2308	Rio Grande Below International Dam	From the Riverside Diversion Dam in El Paso County to International Dam in El Paso County	Freshwater Stream	2308_01	From the Riverside Diversion Dam to the International Dam in El Paso County	Perennial	TSWQS Appendix A	Limited	TSWQS Appendix A	15528; 15529

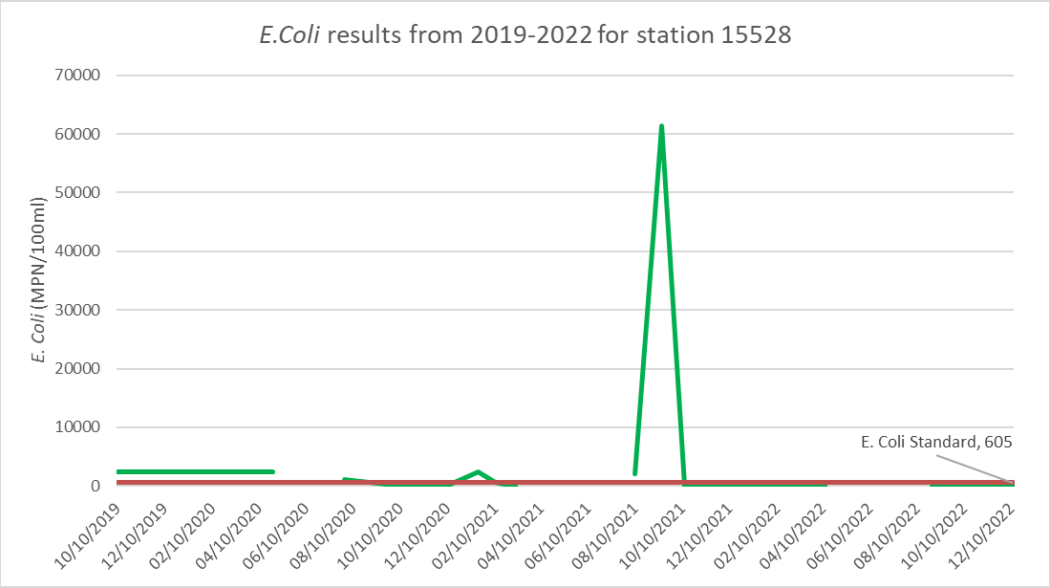
- IBWC Stations
  - 15528
  - 15529



Impairments 303(d)

2308	Rio Grande Below International Dam	2308_01	Bacteria in water (Recreation Use)	5c	N

Category 5c: Additional data and information will be collected or evaluated before a management strategy is selected.



Station 15528 was dry for most of 2018
Station 15529 was also dry for the most part
E.Coli results still indicate levels higher than standard

Possible Sources

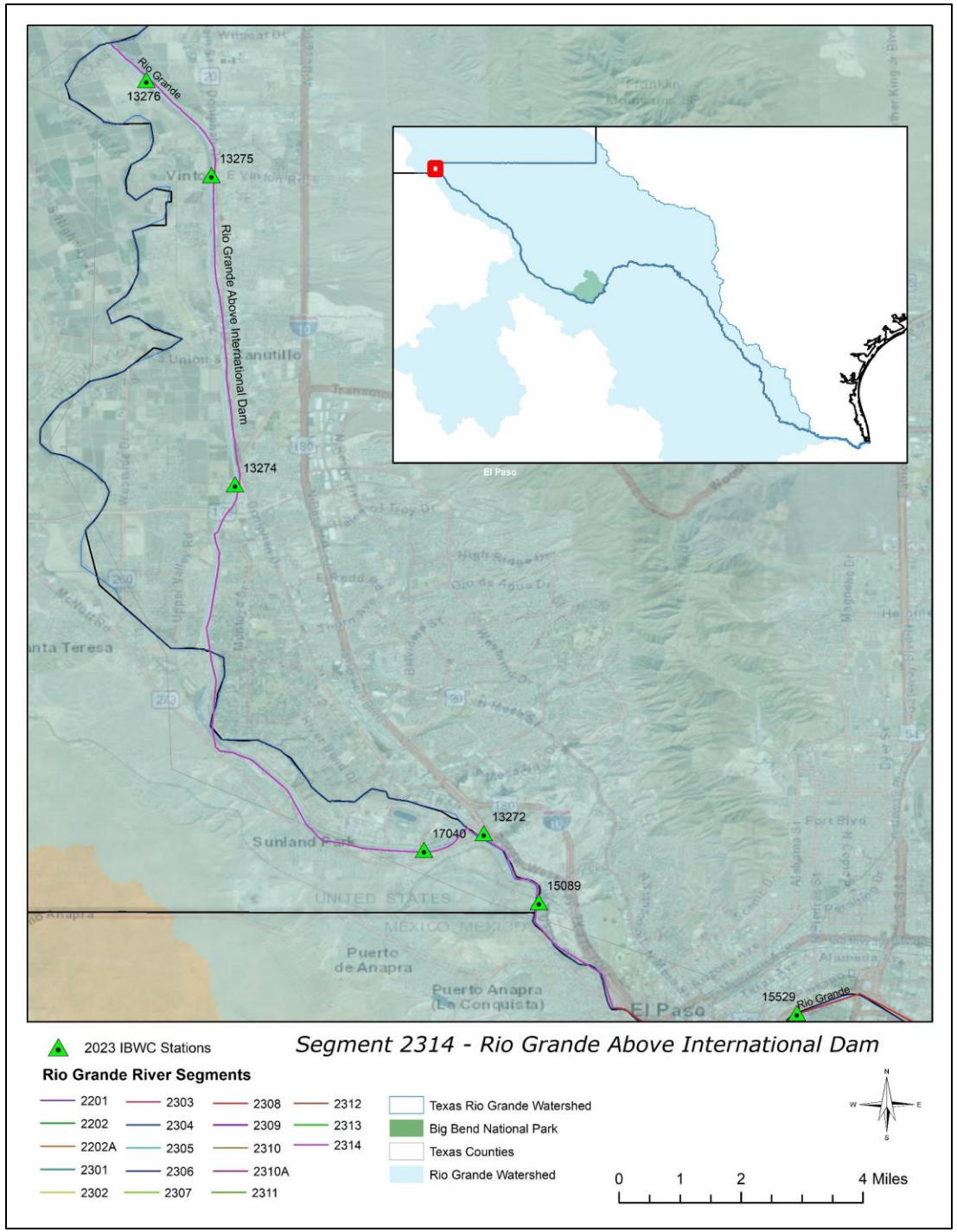
Seg Id: 2308 - Rio Grande Below International Dam				
AU ID	**Assessment Method**	**Parameter**	**LOS**	**Sources**
2308_01	Nutrient Screening Levels	Ammonia	CS	NPS - Sources Outside State Jurisdiction Or Borders
	Nutrient Screening Levels	Chlorophyll-a	CS	NPS - Sources Outside State Jurisdiction Or Borders; NPS - Urban Runoff/Storm Sewers
	Bacteria Geomean	E. coli	NS	NPS - Sources Outside State Jurisdiction Or Borders
	Nutrient Screening Levels	Total phosphorus	CS	NPS - Sources Outside State Jurisdiction Or Borders; NPS - Urban Runoff/Storm Sewers

Segment and Stations

Seg ID	Seg Name	Segment Description	Segment Type	AU ID	AU Description	Flow Type	Flow Type Source	ALU Designation	ALU Designation Source	Station ID(s)
2314	Rio Grande Above International Dam	From International Dam in El Paso County to the New Mexico State Line in El Paso County	Freshwater Stream	2314_01	From the International Dam upstream to the Anthony Drain confluence	Perennial	TSWQS Appendix A	High	TSWQS Appendix A	13272; 13274; 13275; 13276; 15089; 17040
				2314_02	From the Anthony Drain confluence upstream to the New Mexico/Texas state line	Perennial	TSWQS Appendix A	High	TSWQS Appendix A	No Stations

- IBWC Stations
  - 13272
  - 13274
  - 13275
  - 13276
  - 17040

Segment 2314



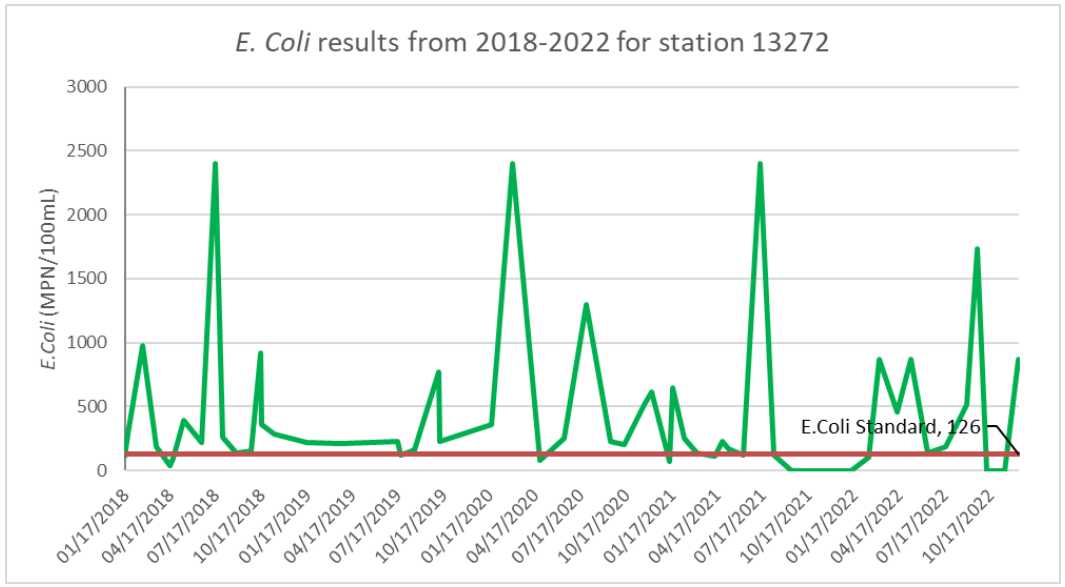
Impairment 303(d)

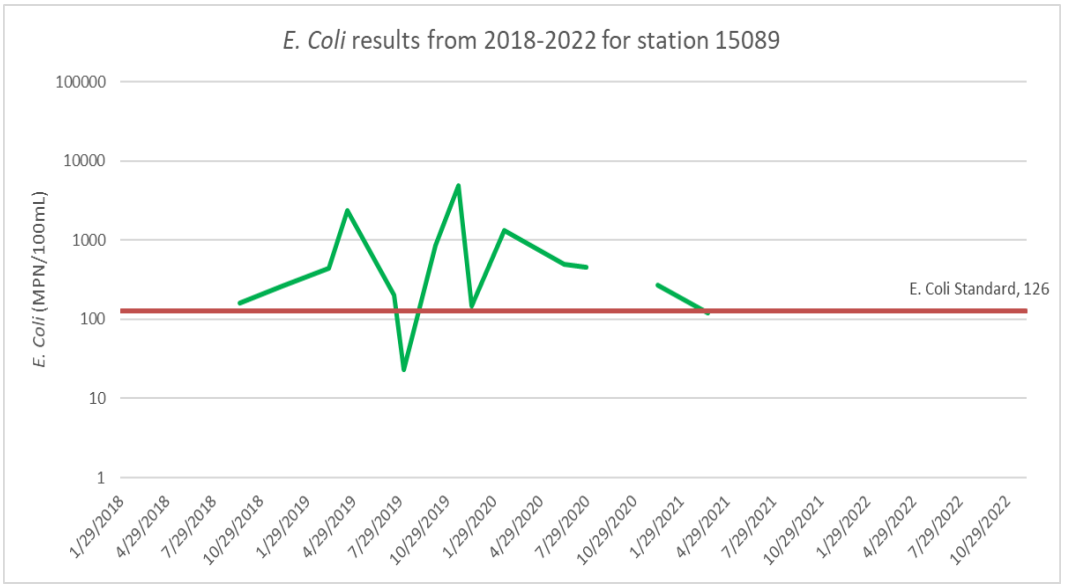
2314	Rio Grande Above International Dam	2314_01	Bacteria in water (Recreation Use)	5c	N

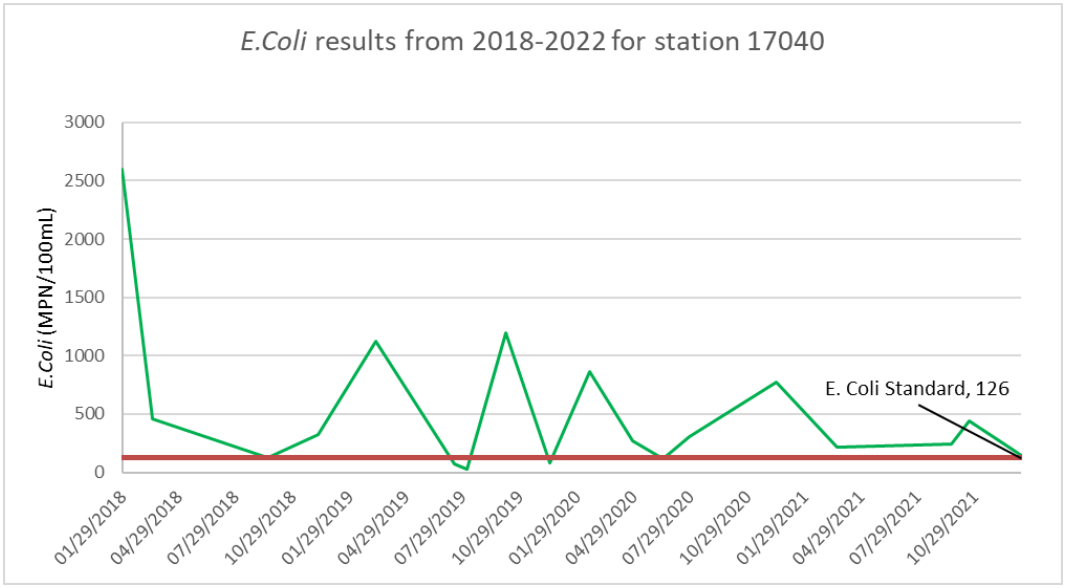
Category 5c: Additional data and information will be collected or evaluated before a management strategy is selected.

- Stations 13274, 13275 and 13276 had limited data. Stations were dry majority of the time
- The few results still indicated high bacteria

Segment 2314 station results - Bacteria







Summary of Upper Rio Grande Segments 2306, 2307, 2308, and 2314

Impairments in these segments are (303d):

- Bacteria
- Total Dissolved Solids
- Chloride
- Sulfate

Main source of pollutants is non-point sources

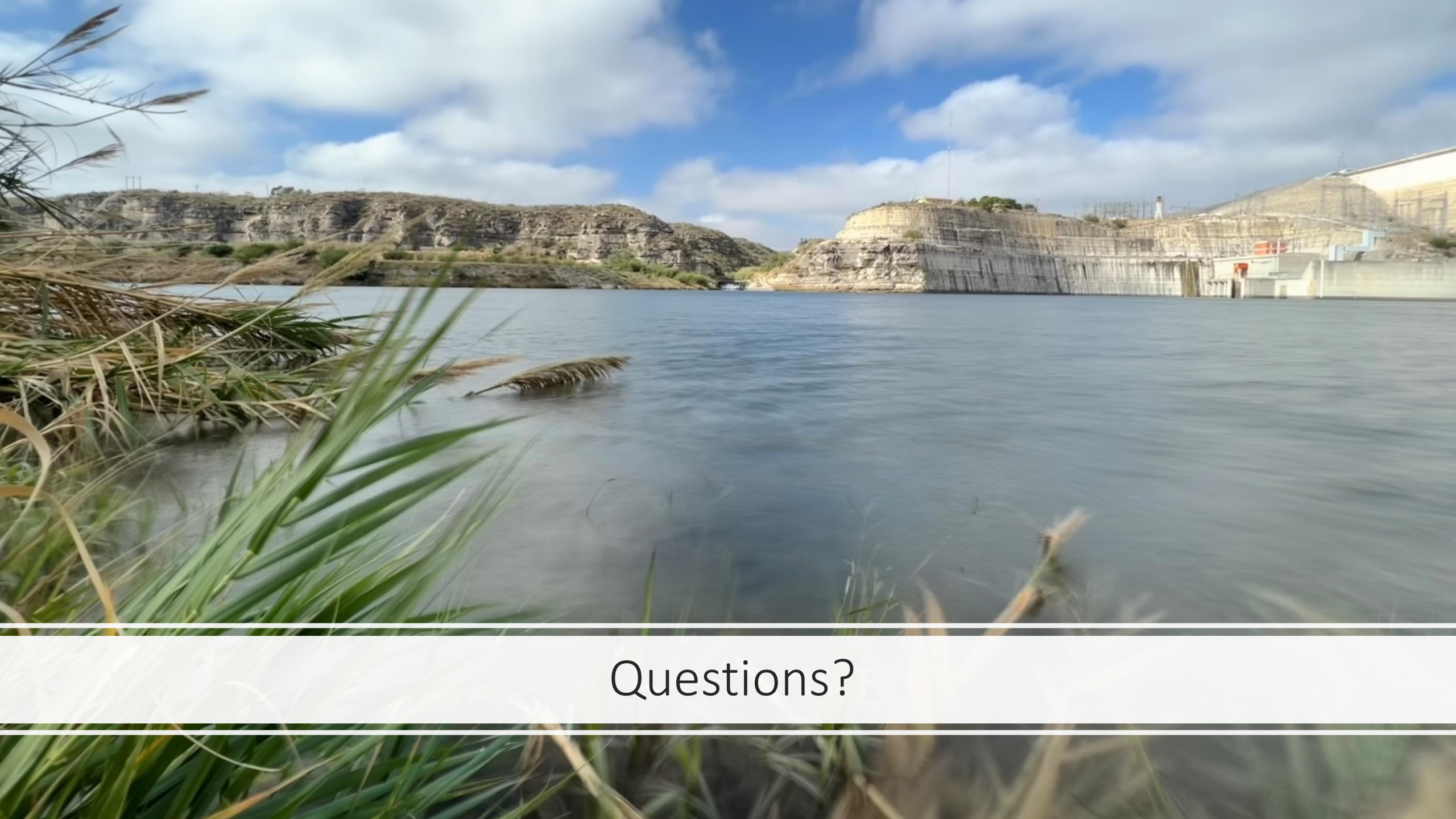
Current issues:

- Drought – dry stations
- Accessibility issues

CRP will continue monitoring and providing data

Contact info and webpages

- Lisa Torres – lisa.torres@ibwc.gov
- USIBWC – Clean Rivers Program https://www.ibwc.gov/CRP/Index.htm
- TCEQ 2022 Integrated Report https://www.tceq.texas.gov/waterquality/assessment/22twqi/22txir
- Texas Surface Water Quality Standards https://www.tceq.texas.gov/waterquality/standards



Questions?