2024 Texas Integrated Report - Assessment Results for Basin 9 - Trinity–San Jacinto Coastal

Explanation of Column Headings

SEGID: *The unique identifier (SegID), segment name, and location of the water body. Items may be one of three types of numbers for SegID. The first type is a classified segment number (4 digits, e.g., 0218), as defined in the Texas Surface Water Quality Standards. The second type is an unclassified water body (e.g., 0218A), not defined in the Standards and associated with a classified water body because it is in the same watershed. The third type includes special Segments for Oyster Water Use (e.g., 2421OW) and Beach Watch Use (e.g., 2481CB) special areas. The segment name and description follow SegID.*

AU ID: *Identifies the assessment unit (AU_ID, six or seven digits, e.g., 0101A_01) and describes the location of the specific area within a classified or unclassified water body for which one or more water quality standards are not met.*

Start Date: *The start date of the period of record data for this method was selected; the official 2024 period of record is from 12/1/2015 to 11/30/2022. In some cases it may be necessary to extend the period of record back 10 years (12/1/2012) to select more data, according to assessment guidance.*

End Date: *The end date of the period of record data for this method was selected; the official 2024 period of record dates are 12/1/2015 to 11/30/2022. In some cases more recently collected data than 12/01/2022 can be included, if available*

#Data Assessed: *Number of samples assessed some data are averaged, as with profile data, some are eliminated because criteria do not apply during certain conditions such a s low flow.*

Mean Data Assessed: *Mean of samples assessed includes averaged methods like chronic criteria as well as geometric mean calculations for bacteria.*

 # Exceedances: *Number of samples that exceed criteria for single sample, or binomial, methods (not averaged data).*

Mean Exceedances: *Mean of the samples that exceeded criteria for the single sample, or binomial, methods (not averaged data).*

Criteria: *Value that the data is compared to determine the level of support; Note: for acute metals in water, each value is compared to a calculated criterion and not all criteria could be reported here, only the minimum in the range of criteria calculated are included.*

DS Qual: *Dataset Qualifier - indicates characteristics of the methods or dataset used in the assessment:*

- **AD:** Adequate Data (10 or more samples).
- **LD:** Limited Data (less than 9, greater than 3).
- **ID:** Inadequate Data (less than 4).
- **JQ:** Level of support is based on judgment of the assessor.
- **SM:** This assessment method is superseded by another method.
- **TR:** Temporally Not Representative, used with NA.
- **SR:** Spatially Not Representative, used with NA.
- **OE:** Other information than ambient samples evaluated.
- **OS:** Assessment area outside state boundaries.

LOS: *Level of support for this use, method, assessment parameter:*

- **FS:** Fully Supporting.
- **NC:** No Concern.
- **NA:** Not Assessed.
- **NS:** Nonsupport.
- **CS:** Screening Level Concern.
- **CN:** Use Concern.

CF: *Carry Forward indicates that the Integrated level of support of CS, CN, or NS was carried forward from a previous assessment due to inadequate data for this method in this assessment.*

Int LOS: *Integrated level of support. This is the overall level of support for this use, method, parameter group, which could be different from the LOS (described above) due to carry forward information or other types of changes. New Code added in 2010: PI = Pending Issue*

TCEQ Cause: *This is the impairment description (e.g., bacteria, depressed dissolved oxygen, etc.).*

Cat:

Category 3: There is insufficient or unreliable available data and/or information to make a use support determination.

Category 4: Available data and/or information indicate that at least one designated use is not being supported or is threatened, but a TMDL is not needed.
- **Category 4a:** A state-developed TMDL has been approved by EPA or a TMDL has been established by EPA for any water-pollutant combination.
- **Category 4b:** Other required control measures are expected to result in the attainment of an applicable water quality standard in a reasonable period of time.
- **Category 4c:** The impairment or threat is not caused by a pollutant.

Category 5: Available data and/or information indicate that at least one designated use is not being supported or is threatened, and a TMDL is needed.
- **Category 5a:** A TMDL is underway, scheduled, or will be scheduled.
- **Category 5b:** A review of the standards for the water body will be conducted before a management strategy is selected.
- **Category 5c:** Additional data and information will be collected or evaluated before a management strategy is selected.
- **Category 5n:** Water body does not meet its applicable Chl a criterion, but additional study is needed to verify whether exceedance is associated with causal nutrient parameters or impacts to response variables.
- **Category 5r:** A WPP is under development or accepted by EPA for this parameter.

Seg ID: 0901 - Cedar Bayou Tidal
AU ID: 0901_01

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	11/01/15	11/30/22	3	70	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	11/01/15	11/30/22	4	70	.	7	3.69	AD	NC	N	NC		
Fish Consumption Use	DSHS Limited Consumption Advisory	PCBs	12/01/15	11/30/22	.	0	.	.	.	OE	NS	N	NS	PCBs in edible tissue	5c
		Dioxins	12/01/15	11/30/22	.	0	.	.	.	OE	NS	N	NS	Dioxin in edible tissue	5c
General Use	High pH	pH	11/01/15	11/30/22	9	70	.	0	.	AD	FS	N	FS		
	Low pH	pH	11/01/15	11/30/22	6.5	70	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Ammonia	11/01/15	11/30/22	0.46	68	.	7	0.96	AD	NC	N	NC		
		Chlorophyll-a	11/01/15	11/30/22	21	20	.	12	45.42	AD	CS	N	CS	Chlorophyll-a in water	
		Nitrate	11/01/15	11/30/22	1.1	70	.	13	1.7	AD	NC	N	NC		
		Total phosphorus	11/01/15	11/30/22	0.66	68	.	13	0.93	AD	NC	N	NC		
	Water Temperature	Water temperature	11/01/15	11/30/22	35	70	.	0	.	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	Enterococcus	11/01/15	11/30/22	35	68	74.99	1	.	AD	NS	N	NS	Bacteria in water	5r

Seg ID: 0901A - Cary Bayou
AU ID: 0901A_01

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen 24hr average	Dissolved oxygen 24hr Avg	11/01/15	11/30/22	4	9	.	2	2.5	LD	CN	N	CN	Depressed dissolved oxygen in water	
	Dissolved Oxygen 24hr minimum	Dissolved oxygen 24hr Min	11/01/15	11/30/22	3	9	.	3	0.97	LD	NS	N	NS	Depressed dissolved oxygen in water	5r
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	11/01/15	11/30/22	3	9	.	0	.	SM	NC	N	NA		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	11/01/15	11/30/22	4	9	.	0	.	SM	NC	N	NA		
General Use	Nutrient Screening Levels	Total phosphorus	11/01/15	11/30/22	0.66	9	.	1	0.77	LD	NC	N	NC		
		Ammonia	11/01/15	11/30/22	0.46	9	.	0	.	LD	NC	N	NC		
		Nitrate	11/01/15	11/30/22	1.1	9	.	0	.	LD	NC	N	NC		
Recreation Use	Bacteria Geomean	Enterococcus	11/01/15	11/30/22	35	9	72.34	1	.	LD	CN	Y	NS	Bacteria in water	5r

Seg ID: 0902 - Cedar Bayou Above Tidal
AU ID: 0902_01

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
Aquatic Life Use	Dissolved Oxygen 24hr average	Dissolved oxygen 24hr Avg	12/01/15	11/30/22	.	0	.	.	.	ID	NA	Y	NS	Depressed dissolved oxygen in water	5r
	Dissolved Oxygen grab minimum	Dissolved oxygen Grab	11/01/15	11/30/22	3	88	.	0	.	AD	FS	N	FS		
	Dissolved Oxygen grab screening level	Dissolved oxygen Grab	11/01/15	11/30/22	5	88	.	7	4.09	SM	NC	N	NA		
	Macrobenthic community (Qualitative)	Macrobenthic community	12/01/15	11/30/22	.	0	.	.	.	ID	NA	Y	CN	Impaired macrobenthic community in water	
General Use	Dissolved Solids	Total dissolved solids	11/01/15	11/30/22	700	88	411.13	0	.	AD	FS	N	FS		
		Sulfate	11/01/15	11/30/22	150	87	36.68	0	.	AD	FS	N	FS		
		Chloride	11/01/15	11/30/22	200	87	88.21	0	.	AD	FS	N	FS		
	High pH	pH	11/01/15	11/30/22	9	88	.	0	.	AD	FS	N	FS		
	Low pH	pH	11/01/15	11/30/22	6.5	88	.	0	.	AD	FS	N	FS		
	Nutrient Screening Levels	Chlorophyll-a	11/01/15	11/30/22	14.1	31	.	2	53.15	AD	NC	N	NC		
		Total phosphorus	11/01/15	11/30/22	0.69	87	.	11	1.08	AD	NC	N	NC		
		Ammonia	11/01/15	11/30/22	0.33	87	.	9	0.79	AD	NC	N	NC		
		Nitrate	11/01/15	11/30/22	1.95	89	.	3	3.96	AD	NC	N	NC		
	Water Temperature	Water temperature	11/01/15	11/30/22	32.2	88	.	0	.	AD	FS	N	FS		
Recreation Use	Bacteria Geomean	E. coli	11/01/15	11/30/22	126	77	203.93	1	.	AD	NS	N	NS	Bacteria in water	5r

Seg ID: 0902A - Adlong Ditch
AU ID: 0902A_01

Use	Method	Parameter	Start Date	End Date	Criteria	#Data Assessed	Mean Data Assessed	#Exceedances	Mean Exceedances	DS Qualifier	LOS	CF	Int LOS	TCEQ Cause	Cat
General Use	Nutrient Screening Levels	Ammonia	12/01/15	11/30/22	.	0	.	.	.	ID	NA	Y	CS	Ammonia in water	