2010 Texas Water Quality Inventory: Assessment Results for Basin 9 - Trinity-San Jacinto Coastal

Report Abbreviations:	Description:		
SEGID:	Unique Segment identification alpha-numeric code; can be stream, reservoir, estuary, oyster waters, beach watch, etc.		
AUID:	Unique Assessment Unit code; this is a portion of the segment the AUID begins with and ends with _01, _02, etc. Some AUIDs are special units ending in "SA," or oyster water AUIDs are indicated by "OW" and beach watch AUIDs are indicated by abbreviations for name of beach in AUID.		
ASMT Start Date:	The start date of the period of record data for this method was selected; the official 2010 period of record is from 12/1/2001 to 11/30/2008. Assessors have the option of going back 10 years (12/1/1998) to select more data, according to assessment guidance.		
ASMT End Date:	The end date of the period of record data for this method was selected; the official 2010 period of record dates are 12/1/2001 to 11/30/2008. Assessors have the option of including more recently collected data than 12/01/2008, if available.		
# Assd:	Number of samples assessed; some data are averaged, as with profile data, some are eliminated because criteria do not apply during certain conditions such as low flow.		
Mean assd:	Mean of samples assessed; includes averaged methods like chronic criteria as well as geometric mean calculations for bacteria.		
# exceed:	The number of samples that exceed criteria for single sample, or binomial, methods (not averaged data).		
Mean exceed:	This is the mean of the samples that exceeded criteria for the single sample, or binomial, methods (not averaged data).		
Criteria:	Value that the data is compared against to determine level of support; Note: for acute metals in water, each value is compared to a calculated criteria and not all criteria could be reported here, only the minimum in the range of criteria calculated are included.		
DS Qual:	**Dataset Qualifier - indicates sample sizes:**		
	ID = Inadequate Data (less than 4)	**LD** = Limited Data (less than 9, greater than 3)	**AD** = Adequate Data (10 or more samples)
	JQ = Level of support is based on judgment of the assessor	**SR** = Spatially Not Representative, used with NA	**TR** = Temporally Not Representative, used with NA
	SM = This assessment method is superseded by another method	**OE** = Other information than ambient samples evaluated, generally information is provided by outside entity	
LOS:	**Level of support for this use, method, assessment parameter:**		
	FS = Fully Supporting	**NC** = No Concern	**CN** = Use Concern
	CS = Screening Level Concern	**NS** = Nonsupport	
CF:	Carry forward indicator check box: 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:	**This is the assessment category assigned to this impairment. Subcategories as follows:**		
	Category 4: Standard is not supported or is threatened for one or more designated uses but does not require the development of a TMDL.		
	4a - TMDL has been completed and approved by EPA.Category.	**4b** - Other pollution control requirements are reasonably expected to result in the attainment of the water quality standard in the near future.	**4c** - Nonsupport of the water quality standard is not caused by a pollutant.
	Category 5: The water body does not meet applicable water quality standards or is threatened for one or more designated uses by one or more pollutants.		
	5a - A TMDL is underway, scheduled, or will be scheduled.	**5b** - A review of the water quality standards for this water body will be conducted before a TMDL is scheduled.	**5c** - Additional data and information will be collected before a TMDL is scheduled.

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Segment New in 2010? No

SEGID 0901 Cedar Bayou Tidal

AUID 0901_01

From the confluence with Galveston Bay 1.0 km (0.6 miles) downstream of Tri-City Beach Road to a point 2.2 km (1.4 miles) upstream of IH 10

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2001	11/30/2008	40		2	2.19	4.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	40		2	2.19	3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	Enterococcus	12/1/2001	11/30/2008	35		13	3830.38	89.00	AD	NS	☐	NS	bacteria	5c
Bacteria Geomean	Enterococcus	12/1/2001	11/30/2008	35	62.48			35.00	AD	NS	☐	NS	bacteria	5c

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2001	11/30/2008	40		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2001	11/30/2008	39		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2001	11/30/2008	39		2	5.93	6.50	AD	FS	☐	FS		
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	34		5	0.71	0.46	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	25		10	34.79	21.00	AD	CS	☐	CS	chlorophyll-a	
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	35		0		0.46	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	35		0		1.10	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	35		5	1	0.66	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2001	11/30/2008						OE	NS	☐	NS	dioxin in edible tissue	5a
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2001	11/30/2008						OE	NS	☐	NS	PCBs in edible tissue	5a

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AUID **0901_01** From the confluence with Galveston Bay 1.0 km (0.6 miles) downstream of Tri-City Beach Road to a point 2.2 km (1.4 miles) upstream of IH 10

USE **Fish Consumption Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2001	11/30/2008	1		0		0.09	ID	NA	☐	NA		

2010 Texas Water Quality Inventory: Assessment Results for Basin 9 - Trinity-San Jacinto Coastal

Segment New in 2010? No

SEGID 0902 Cedar Bayou Above Tidal

AUID 0902_01 — From a point 2.2 km (1.4 miles) upstream of IH 10 to a point 7.4 km (4.6 miles) upstream of FM 1960

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2001	11/30/2008	90		11	4.21	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2001	11/30/2008	90		1	2.75	3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2001	11/30/2008	5		0		5.00	LD	NC	☐	NC		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2001	11/30/2008	5		0		3.00	LD	NC	☐	NC		
Habitat	Habitat	12/1/2001	11/30/2008	1	21.00			20.00	AD	NC	☐	NC		
Macrobenthic Community	Macrobenthic Community	12/1/2001	11/30/2008	2	27.90			29.00	AD	NS	☐	CN	impaired macrobenthic community	
Fish Community	Fish Community	12/1/2001	11/30/2008	2	46.10			39.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Single Sample	E. coli	12/1/2001	11/30/2008	36		7	8530.29	394.00	AD	FS	☐	FS		
Bacteria Geomean	E. coli	12/1/2001	11/30/2008	36	90.66			126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2001	11/30/2008	91		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2001	11/30/2008	86		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2001	11/30/2008	90		1	5.8	6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2001	11/30/2008	35	17.60			150.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2001	11/30/2008	59	382.94			700.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2001	11/30/2008	48	98.38			200.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2001	11/30/2008	65		1	4.85	1.95	AD	NC	☐	NC		

2010 Texas Water Quality Inventory: Assessment Results for Basin 9 - Trinity-San Jacinto Coastal

AUID **0902_01** From a point 2.2 km (1.4 miles) upstream of IH 10 to a point 7.4 km (4.6 miles) upstream of FM 1960

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Orthophosphorus	12/1/2001	11/30/2008	80		6	0.63	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2001	11/30/2008	35		1	1.36	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2001	11/30/2008	86		4	0.83	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2001	11/30/2008	70		2	45.5	14.10	AD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2001	11/30/2008	68	0.54			10,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2001	11/30/2008	27	0.21			4,000.00	AD	FS	☐	FS		