2020 Texas Integrated Report - Assessment Results for Basin 16 - Lavaca River Basin

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 2020 period of record is from 12/1/2011 to 11/30/2018. Assessors have the option of going back 10 years (12/1/2008) 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 2020 period of record dates are 12/1/2011 to 11/30/2018. Assessors have the option of including more recently collected data than 12/01/2018, 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 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 sample sizes:* **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Data (less than 4) **JQ** = Level of support is based on judgment of the assessor **SM** = This assessment method is superseded by another method **TR** = Temporally Not Representative, used with NA **SR** = Spatially Not Representative, used with NA **OE** = Other information than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 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:	**Category 3**: Insufficient or no data and information to determine if standard is attained **Category 4**: Standard is not attained or nonattainment is predicted in the near future due to one or more parameters, but no TMDLs are required. **4a** - All TMDLs have been completed and approved by EPA. **4b** - Other pollution control requirements are reasonably expected to result in the attainment of the water quality standard in the near future. **4c** - Nonattainment of the standard for one or more parameters is shown to be caused by pollution, not by pollutants and that the water quality conditions cannot be changed by the allocation and control of pollutants through the TMDL process. **Category 5**: Standard is not attained or nonattainment is predicted in the near future for one or more parameters. **5a** - TMDLs are underway, scheduled, or may be scheduled for one or more parameters. **5b** - review of the standards for one or more parameters will be conducted before a management strategy is selected, including a possible revision to the water quality standards. **5c** - Additional data or information will be collected and/or evaluated for one or more parameters before a management strategy is selected.

SEGID: 1601 Lavaca River Tidal

AUID: 1601_02 From confluence of unnamed tributary NHD RC 12100101002580 upstream to confluence with Navidad River

Aquatic Life Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/01/11 - 11/30/18	3	162		0		AD	FS	☐	FS		
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/01/11 - 11/30/18	4	162		3	3.57	AD	NC	☐	NC		

General Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
High pH	pH	12/01/11 - 11/30/18	9	162		3	9.23	AD	FS	☐	FS		
Low pH	pH	12/01/11 - 11/30/18	6.50	162		0		AD	FS	☐	FS		
Water Temperature	Water temperature	12/01/11 - 11/30/18	35	162		0		AD	FS	☐	FS		

2020 Texas Integrated Report - Assessment Results for Basin 16 - Lavaca River Basin

AUID: 1601_03 From the confluence of Lavaca Bay upstream to unnamed tributary NHD RC 12100101002580

Aquatic Life Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/01/11 - 11/30/18	3	82		0		AD	FS	☐	FS		
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/01/11 - 11/30/18	4	82		0		AD	NC	☐	NC		

General Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
High pH	pH	12/01/11 - 11/30/18	9	82		0		AD	FS	☐	FS		
Low pH	pH	12/01/11 - 11/30/18	6.50	82		0		AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/01/11 - 11/30/18	0.46	28		0		AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/01/11 - 11/30/18	1.10	28		2	9.70	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/01/11 - 11/30/18	0.66	28		0		AD	NC	☐	NC		
Water Temperature	Water temperature	12/01/11 - 11/30/18	35	82		0		AD	FS	☐	FS		

2020 Texas Integrated Report - Assessment Results for Basin 16 - Lavaca River Basin

SEGID: 1601A Catfish Bayou

AUID: 1601A_01 From the confluence of Lavaca Bay north of Point Comfort in Calhoun County to the confluence of the Lavaca River south of Edna in Jackson County

Aquatic Life Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/01/11 - 11/30/18	3	82		0		AD	FS	☐	FS		
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/01/11 - 11/30/18	4	82		0		AD	NC	☐	NC		

2020 Texas Integrated Report - Assessment Results for Basin 16 - Lavaca River Basin

SEGID: 1601B Redfish Bayou

AUID: 1601B_01 From the confluence of the Lavaca River north of Point Comfort in Jackson County to the confluence of Redfish Lake south of Edna in Jackson County

Aquatic Life Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/01/11 - 11/30/18	3	82		0		AD	FS	☐	FS		
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/01/11 - 11/30/18	4	82		0		AD	NC	☐	NC		

SEGID: 1601C Dry Creek

AUID: 1601C_01 From the confluence of Lavaca River Tidal upstream to three mi north of the City of Edna

Aquatic Life Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/01/11 - 11/30/18	3					ID	NA	☑	CS	Depressed dissolved oxygen in water	

SEGID: 1602 Lavaca River Above Tidal

AUID: 1602_02 From the confluence of Beard Branch upstream to the upper end of segment at the confluence of Campbell Branch in Hallettsville.

Aquatic Life Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/01/11 - 11/30/18	3	89		0		AD	FS	☐	FS		
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/01/11 - 11/30/18	5	89		1	4.10	AD	NC	☐	NC		

Recreation Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/01/11 - 11/30/18	126	45	202.74	1		AD	NS	☐	NS	Bacteria in water	5a

General Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Chloride	12/01/11 - 11/30/18	200	73	68.40	0		AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/01/11 - 11/30/18	100	73	20.11	0		AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/01/11 - 11/30/18	700	177	394.93	0		AD	FS	☐	FS		
High pH	pH	12/01/11 - 11/30/18	9	89		0		AD	FS	☐	FS		
Low pH	pH	12/01/11 - 11/30/18	6.50	89		0		AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/01/11 - 11/30/18	0.33	48		1	0.48	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/01/11 - 11/30/18	1.95	48		5	6.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/01/11 - 11/30/18	0.69	48		6	2.13	AD	NC	☐	NC		
Water Temperature	Water temperature	12/01/11 - 11/30/18	32.80	89		0		AD	FS	☐	FS		

Domestic Water Supply Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for DWS average	Nitrate	12/01/11 - 11/30/18	10	73	0.65	0		AD	FS	☐	FS		

AUID: 1602_03 Lower portion of segment from confluence with NHD RC 12100101002463 south of Edna in Jackson County upstream to confluence with Beard Branch

Aquatic Life Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/01/11 - 11/30/18	3	58		0		AD	FS	☐	FS		
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/01/11 - 11/30/18	5	58		0		AD	NC	☐	NC		

Recreation Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/01/11 - 11/30/18	126	28	175.49	1		AD	NS	☐	NS	Bacteria in water	5a

General Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Chloride	12/01/11 - 11/30/18	200	73	68.40	0		AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/01/11 - 11/30/18	100	73	20.11	0		AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/01/11 - 11/30/18	700	177	394.93	0		AD	FS	☐	FS		
High pH	pH	12/01/11 - 11/30/18	9	58		0		AD	FS	☐	FS		
Low pH	pH	12/01/11 - 11/30/18	6.50	58		0		AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/01/11 - 11/30/18	0.33	28		0		AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/01/11 - 11/30/18	1.95	28		0		AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/01/11 - 11/30/18	0.69	28		0		AD	NC	☐	NC		
Water Temperature	Water temperature	12/01/11 - 11/30/18	32.80	58		0		AD	FS	☐	FS		

Domestic Water Supply Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for DWS average	Nitrate	12/01/11 - 11/30/18	10	73	0.65	0		AD	FS	☐	FS		

SEGID: 1602B Rocky Creek

AUID: 1602B_01 From the confluence of Lavaca River upstream to confluence of Ponton Creek

Aquatic Life Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/01/11 - 11/30/18	3	19		0		AD	FS	☐	FS		
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/01/11 - 11/30/18	5	19		0		AD	NC	☐	NC		

Recreation Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	03/15/11 - 11/30/18	126	20	279.83	1		AD	NS	☐	NS	Bacteria in water	5a

General Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Ammonia	12/01/11 - 11/30/18	0.33	19		0		AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/01/11 - 11/30/18	1.95	19		1	3.08	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/01/11 - 11/30/18	0.69	19		9	1.27	AD	CS	☐	CS	Total Phosphorus in water	

2020 Texas Integrated Report - Assessment Results for Basin 16 - Lavaca River Basin

SEGID: 1602C Lavaca River Above Campbell Branch

AUID: 1602C_01 From confluence of Campbell Branch in Hallettsville upstream to the confluence of West Prong Lavaca River

Aquatic Life Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/01/11 - 11/30/18						ID	NA	☑	NS	Depressed dissolved oxygen in water	5b

2020 Texas Integrated Report - Assessment Results for Basin 16 - Lavaca River Basin

AUID: 1602C_02 From confluence of West Prong Lavaca River to the headwaters approximately 6.5 km upstream of TX Hwy 95 in the City of Moulton

Aquatic Life Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/01/11 - 11/30/18						ID	NA	☑	NS	Depressed dissolved oxygen in water	5b

SEGID: 1603 Navidad River Tidal

AUID: 1603_01 From the confluence with the Lavaca River in Jackson County to Palmetto Bend Dam in Jackson County

Aquatic Life Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/01/11 - 11/30/18	3	82		0		AD	FS	☐	FS		
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/01/11 - 11/30/18	4	82		1	3.80	AD	NC	☐	NC		

General Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
High pH	pH	12/01/11 - 11/30/18	9	82		1	9.10	AD	FS	☐	FS		
Low pH	pH	12/01/11 - 11/30/18	6.50	82		0		AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/01/11 - 11/30/18	0.46	28		0		AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/01/11 - 11/30/18	1.10	28		2	4.50	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/01/11 - 11/30/18	0.66	28		0		AD	NC	☐	NC		
Water Temperature	Water temperature	12/01/11 - 11/30/18	32.80	82		1	32.90	AD	FS	☐	FS		

SEGID: 1604 Lake Texana

AUID: 1604_01 Navidad River arm of Lake Texana

Aquatic Life Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/01/11 - 11/30/18	3	81		0		AD	FS	☐	FS		
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/01/11 - 11/30/18	5	81		5	4.43	AD	NC	☐	NC		

Recreation Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/01/11 - 11/30/18	126	25	10.99	0		AD	FS	☐	FS		

General Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Chloride	12/01/11 - 11/30/18	100	164	15.71	0		AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/01/11 - 11/30/18	50	164	6.14	0		AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/01/11 - 11/30/18	500	491	133.21	0		AD	FS	☐	FS		
High pH	pH	12/01/11 - 11/30/18	9	81		0		AD	FS	☐	FS		
Low pH	pH	12/01/11 - 11/30/18	6.50	81		0		AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/01/11 - 11/30/18	0.11	27		9	0.19	JQ	NA	☐	NA		
Nutrient Screening Levels	Chlorophyll-a	12/01/11 - 11/30/18	26.70	27		0		JQ	NA	☐	NA		
Nutrient Screening Levels	Nitrate	12/01/11 - 11/30/18	0.37	27		5	0.58	JQ	NA	☐	NA		
Nutrient Screening Levels	Total Phosphorus	12/01/11 - 11/30/18	0.20	27		14	0.24	JQ	NA	☐	NA		
Water Temperature	Water temperature	12/01/11 - 11/30/18	33.90	81		0		AD	FS	☐	FS		

Domestic Water Supply Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for DWS average	Nitrate	12/01/11 - 11/30/18	10	164	0.30	0		AD	FS	☐	FS		

AUID: 1604_02 East Mustang Creek arm of Lake Texana

Aquatic Life Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/01/11 - 11/30/18	3	83		0		AD	FS	☐	FS		
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/01/11 - 11/30/18	5	83		1	4.00	AD	NC	☐	NC		

Recreation Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/01/11 - 11/30/18	126	26	6.99	0		AD	FS	☐	FS		

General Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Chloride	12/01/11 - 11/30/18	100	164	15.71	0		AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/01/11 - 11/30/18	50	164	6.14	0		AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/01/11 - 11/30/18	500	491	133.21	0		AD	FS	☐	FS		
High pH	pH	12/01/11 - 11/30/18	9	83		0		AD	FS	☐	FS		
Low pH	pH	12/01/11 - 11/30/18	6.50	83		0		AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/01/11 - 11/30/18	0.11	28		12	0.20	JQ	NA	☐	NA		
Nutrient Screening Levels	Chlorophyll-a	12/01/11 - 11/30/18	26.70	28		0		JQ	NA	☐	NA		
Nutrient Screening Levels	Nitrate	12/01/11 - 11/30/18	0.37	28		10	1.14	JQ	NA	☐	NA		
Nutrient Screening Levels	Total Phosphorus	12/01/11 - 11/30/18	0.20	28		22	0.28	JQ	NA	☐	NA		
Water Temperature	Water temperature	12/01/11 - 11/30/18	33.90	83		0		AD	FS	☐	FS		

Domestic Water Supply Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for DWS average	Nitrate	12/01/11 - 11/30/18	10	164	0.30	0		AD	FS	☐	FS		

AUID: 1604_03 Upstream middle portion of Lake Texana

Aquatic Life Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/01/11 - 11/30/18	3	81		0		AD	FS	☐	FS		
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/01/11 - 11/30/18	5	81		0		AD	NC	☐	NC		

Recreation Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/01/11 - 11/30/18	126	25	3.13	0		AD	FS	☐	FS		

General Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Chloride	12/01/11 - 11/30/18	100	164	15.71	0		AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/01/11 - 11/30/18	50	164	6.14	0		AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/01/11 - 11/30/18	500	491	133.21	0		AD	FS	☐	FS		
High pH	pH	12/01/11 - 11/30/18	9	81		0		AD	FS	☐	FS		
Low pH	pH	12/01/11 - 11/30/18	6.50	81		0		AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/01/11 - 11/30/18	0.11	27		12	0.16	JQ	NA	☐	NA		
Nutrient Screening Levels	Chlorophyll-a	12/01/11 - 11/30/18	26.70	27		0		JQ	NA	☐	NA		
Nutrient Screening Levels	Nitrate	12/01/11 - 11/30/18	0.37	27		5	0.63	JQ	NA	☐	NA		
Nutrient Screening Levels	Total Phosphorus	12/01/11 - 11/30/18	0.20	27		11	0.24	JQ	NA	☐	NA		
Water Temperature	Water temperature	12/01/11 - 11/30/18	33.90	81		0		AD	FS	☐	FS		

Domestic Water Supply Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for DWS average	Nitrate	12/01/11 - 11/30/18	10	164	0.30	0		AD	FS	☐	FS		

AUID: 1604_04 Downstream middle portion of Lake Texana

Aquatic Life Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/01/11 - 11/30/18	3	81		0		AD	FS	☐	FS		
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/01/11 - 11/30/18	5	81		0		AD	NC	☐	NC		

Recreation Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/01/11 - 11/30/18	126	27	1.98	0		AD	FS	☐	FS		

General Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Chloride	12/01/11 - 11/30/18	100	164	15.71	0		AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/01/11 - 11/30/18	50	164	6.14	0		AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/01/11 - 11/30/18	500	491	133.21	0		AD	FS	☐	FS		
High pH	pH	12/01/11 - 11/30/18	9	81		0		AD	FS	☐	FS		
Low pH	pH	12/01/11 - 11/30/18	6.50	81		0		AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/01/11 - 11/30/18	0.11	27		12	0.16	JQ	NA	☐	NA		
Nutrient Screening Levels	Chlorophyll-a	12/01/11 - 11/30/18	26.70	27		0		JQ	NA	☐	NA		
Nutrient Screening Levels	Nitrate	12/01/11 - 11/30/18	0.37	27		7	0.64	JQ	NA	☐	NA		
Nutrient Screening Levels	Total Phosphorus	12/01/11 - 11/30/18	0.20	27		6	0.24	JQ	NA	☐	NA		
Water Temperature	Water temperature	12/01/11 - 11/30/18	33.90	81		0		AD	FS	☐	FS		

Domestic Water Supply Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for DWS average	Nitrate	12/01/11 - 11/30/18	10	164	0.30	0		AD	FS	☐	FS		

AUID: 1604_05 Downstream portion of Lake Texana

Aquatic Life Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/01/11 - 11/30/18	3	165		0		AD	FS	☐	FS		
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/01/11 - 11/30/18	5	165		0		AD	NC	☐	NC		

General Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Chloride	12/01/11 - 11/30/18	100	164	15.71	0		AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/01/11 - 11/30/18	50	164	6.14	0		AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/01/11 - 11/30/18	500	491	133.21	0		AD	FS	☐	FS		
High pH	pH	12/01/11 - 11/30/18	9	165		0		AD	FS	☐	FS		
Low pH	pH	12/01/11 - 11/30/18	6.50	165		0		AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/01/11 - 11/30/18	0.11	55		21	0.20	JQ	NA	☐	NA		
Nutrient Screening Levels	Chlorophyll-a	12/01/11 - 11/30/18	26.70	55		0		JQ	NA	☐	NA		
Nutrient Screening Levels	Nitrate	12/01/11 - 11/30/18	0.37	55		14	0.70	JQ	NA	☐	NA		
Nutrient Screening Levels	Total Phosphorus	12/01/11 - 11/30/18	0.20	55		14	0.23	JQ	NA	☐	NA		
Water Temperature	Water temperature	12/01/11 - 11/30/18	33.90	165		0		AD	FS	☐	FS		

Domestic Water Supply Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for DWS average	Nitrate	12/01/11 - 11/30/18	10	164	0.30	0		AD	FS	☐	FS		

SEGID: 1604A East Mustang Creek

AUID: 1604A_01 Intermittent stream with perennial pools from the confluence with Middle Mustang Creek upstream to the confluence with an unnamed tributary approximately 4.2 km u

Aquatic Life Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/01/11 - 11/30/18	3	74		0		AD	FS	☐	FS		
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/01/11 - 11/30/18	4	74		2	3.80	AD	NC	☐	NC		

General Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Ammonia	12/01/11 - 11/30/18	0.33	27		0		AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/01/11 - 11/30/18	1.95	27		4	6.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/01/11 - 11/30/18	0.69	27		4	0.76	AD	NC	☐	NC		

2020 Texas Integrated Report - Assessment Results for Basin 16 - Lavaca River Basin

SEGID: 1604B West Mustang Creek

AUID: 1604B_01 From the confluence of Lake Texana east of Ganado in Jackson County to the upstream perennial portion of the stream north of El Campo in Wharton County

Aquatic Life Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/01/11 - 11/30/18	3	76		0		AD	FS	☐	FS		
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/01/11 - 11/30/18	5	76		1	3.50	AD	NC	☐	NC		

General Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Ammonia	12/01/11 - 11/30/18	0.33	27		3	0.42	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/01/11 - 11/30/18	1.95	27		1	2.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/01/11 - 11/30/18	0.69	27		0		AD	NC	☐	NC		

SEGID: 1604C Sandy Creek

AUID: 1604C_01 From the confluence of Goldenrod Creek upstream to the confluence of Middle Turkey Creek

Aquatic Life Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/01/11 - 11/30/18	3	77		1	2.20	AD	FS	☐	FS		
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/01/11 - 11/30/18	5	77		1	2.20	AD	NC	☐	NC		

General Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Ammonia	12/01/11 - 11/30/18	0.33	26		1	0.39	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/01/11 - 11/30/18	1.95	26		0		AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/01/11 - 11/30/18	0.69	26		0		AD	NC	☐	NC		

2020 Texas Integrated Report - Assessment Results for Basin 16 - Lavaca River Basin

SEGID: 1605 Navidad River Above Lake Texana

AUID: 1605_01 Upper 14.5 mi of segment from confluence of Sandy Branch to confluence of East and West Navidad Rivers

General Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Chloride	12/01/11 - 11/30/18	100	54	56.77	0		AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/01/11 - 11/30/18	50	54	11.46	0		AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/01/11 - 11/30/18	550	91	366.24	0		AD	FS	☐	FS		

Domestic Water Supply Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for DWS average	Nitrate	12/01/11 - 11/30/18	10	54	0.20	0		AD	FS	☐	FS		

2020 Texas Integrated Report - Assessment Results for Basin 16 - Lavaca River Basin

AUID: 1605_02 Middle 16.5 mi of segment from confluence with Sandies Creek upstream to confluence of Sandy Branch

Aquatic Life Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/01/11 - 11/30/18	3	26		0		AD	FS	☐	FS		
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/01/11 - 11/30/18	5	26		0		AD	NC	☐	NC		

General Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Chloride	12/01/11 - 11/30/18	100	54	56.77	0		AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/01/11 - 11/30/18	50	54	11.46	0		AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/01/11 - 11/30/18	550	91	366.24	0		AD	FS	☐	FS		
High pH	pH	12/01/11 - 11/30/18	9	26		0		AD	FS	☐	FS		
Low pH	pH	12/01/11 - 11/30/18	6.50	26		0		AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/01/11 - 11/30/18	0.33	28		0		AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/01/11 - 11/30/18	1.95	28		0		AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/01/11 - 11/30/18	0.69	28		0		AD	NC	☐	NC		
Water Temperature	Water temperature	12/01/11 - 11/30/18	32.80	26		0		AD	FS	☐	FS		

Domestic Water Supply Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for DWS average	Nitrate	12/01/11 - 11/30/18	10	54	0.20	0		AD	FS	☐	FS		

2020 Texas Integrated Report - Assessment Results for Basin 16 - Lavaca River Basin

AUID: 1605_03 Lower 31 mi of segment from confluence with Lake Texana upstream to confluence of Sandies Creek

Aquatic Life Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/01/11 - 11/30/18	3	60		0		AD	FS	☐	FS		
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/01/11 - 11/30/18	5	60		0		AD	NC	☐	NC		

General Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Chloride	12/01/11 - 11/30/18	100	54	56.77	0		AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/01/11 - 11/30/18	50	54	11.46	0		AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/01/11 - 11/30/18	550	91	366.24	0		AD	FS	☐	FS		
High pH	pH	12/01/11 - 11/30/18	9	60		0		AD	FS	☐	FS		
Low pH	pH	12/01/11 - 11/30/18	6.50	60		0		AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/01/11 - 11/30/18	0.33	26		0		AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/01/11 - 11/30/18	1.95	26		0		AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/01/11 - 11/30/18	0.69	26		0		AD	NC	☐	NC		
Water Temperature	Water temperature	12/01/11 - 11/30/18	32.80	60		0		AD	FS	☐	FS		

Domestic Water Supply Use

Method	Parameter	Period of Record	Criteria	Data Assessed #	Data Assessed Value	Exceedances #	Exceedances Value	Data Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for DWS average	Nitrate	12/01/11 - 11/30/18	10	54	0.20	0		AD	FS	☐	FS		