# 2016 Texas Integrated Report - Assessment Results for Basin 15 - Colorado-Lavaca Coastal 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 2016 period of record is from 12/1/2007 to 11/30/2014. Assessors have the option of going back 10 years (12/1/2004) 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 2016 period of record dates are 12/1/2007 to 11/30/2014. Assessors have the option of including more recently collected data than 12/01/2014, 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:*<br>**AD** = Adequate Data (10 or more samples)<br>**LD** = Limited Data (less than 9, greater than 3)<br>**ID** = Inadequate Data (less than 4)<br>**JQ** = Level of support is based on judgment of the assessor<br>**SM** = This assessment method is superseded by another method<br>**TR** = Temporally Not Representative, used with NA<br>**SR** = Spatially Not Representative, used with NA<br>**OE** = Other information than ambient samples evaluated<br>**OS** = Assessment area outside state boundaries |
| **LOS:** | *Level of support for this use, method, assessment parameter:*<br>**FS** = Fully Supporting<br>**NC** = No Concern<br>**NA** = Not Assessed<br>**NS** = Nonsupport<br>**CS** = Screening Level Concern<br>**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 .<br>**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.<br>**4a** - All TMDLs have been completed and approved by EPA.<br>**4b** - Other pollution control requirements are reasonably expected to result in the attainment of the water quality standard in the near future.<br>**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.<br>**Category 5**: Standard is not attained or nonattainment is predicted in the near future for one or more parameters.<br>**5a** - TMDLs are underway, scheduled, or may be scheduled for one or more parameters.<br>**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.<br>**5c** - Additional data or information will be collected and/or evaluated for one or more parameters before a management strategy is selected. |

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## SEGID: 1501 Tres Palacios Creek Tidal

### AUID: 1501_01 From the confluence with Willow Dam Creek at Tres Palacios Bay/Turtle Bay upstream to a point 1.6 km (1.0 mile) upstream of the confluence of Wilson Creek in Mata

#### 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 | 12/01/07 - 11/30/14 | 5 | | | | | ID | NA | ☑ | NS | depressed dissolved oxygen | 5b |
| Dissolved Oxygen 24hr minimum | Dissolved Oxygen 24hr Min | 12/01/07 - 11/30/14 | 4 | | | | | ID | NA | ☑ | NS | depressed dissolved oxygen | 5b |
| Dissolved Oxygen grab minimum | Dissolved Oxygen Grab | 12/01/07 - 11/30/14 | 4 | 55 | | 12 | 3.46 | SM | NS | ☐ | NA | | |
| Dissolved Oxygen grab screening level | Dissolved Oxygen Grab | 12/01/07 - 11/30/14 | 5 | 55 | | 14 | 3.59 | SM | CS | ☐ | NA | | |

#### 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 | Enterococcus | 12/01/07 - 11/30/14 | 35 | 53 | 60.69 | 1 | | AD | NS | ☐ | NS | bacteria | 4a |

#### 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 | 12/01/07 - 11/30/14 | 9 | 55 | | 0 | | AD | FS | ☐ | FS | | |
| Low pH | pH | 12/01/07 - 11/30/14 | 6.50 | 55 | | 0 | | AD | FS | ☐ | FS | | |
| Nutrient Screening Levels | Ammonia | 12/01/07 - 11/30/14 | 0.46 | 54 | | 2 | 0.83 | AD | NC | ☐ | NC | | |
| Nutrient Screening Levels | Chlorophyll-a | 12/01/07 - 11/30/14 | 21 | 54 | | 27 | 39.06 | AD | CS | ☐ | CS | chlorophyll-a | |
| Nutrient Screening Levels | Nitrate | 12/01/07 - 11/30/14 | 1.10 | 55 | | 10 | 1.99 | AD | NC | ☐ | NC | | |
| Nutrient Screening Levels | Total Phosphorus | 12/01/07 - 11/30/14 | 0.66 | 47 | | 0 | | AD | NC | ☐ | NC | | |
| Water Temperature | Water temperature | 12/01/07 - 11/30/14 | 35 | 55 | | 0 | | AD | FS | ☐ | FS | | |

# 2016 Texas Integrated Report - Assessment Results for Basin 15 - Colorado-Lavaca Coastal Basin

## SEGID: 1502 Tres Palacios Creek Above Tidal

**AUID: 1502_01** Middle portion of segment from the confluence with Wallace Creek upstream to confluence with unnamed tributary with NHD RC 12100401013089 about 1.0 km SW o

### 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 | 12/01/07 - 11/30/14 | 3 | 27 | | 0 | | AD | FS | ☐ | FS | | |
| Dissolved Oxygen grab screening level | Dissolved Oxygen Grab | 12/01/07 - 11/30/14 | 5 | 27 | | 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 | 12/01/07 - 11/30/14 | 126 | 24 | 120.41 | 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 | 12/01/07 - 11/30/14 | 250 | 25 | 140.76 | 0 | | AD | FS | ☐ | FS | | |
| Dissolved Solids | Sulfate | 12/01/07 - 11/30/14 | 100 | 27 | 23.30 | 0 | | AD | FS | ☐ | FS | | |
| Dissolved Solids | Total Dissolved Solids | 12/01/07 - 11/30/14 | 800 | 25 | 581.22 | 0 | | AD | FS | ☐ | FS | | |
| High pH | pH | 12/01/07 - 11/30/14 | 9 | 27 | | 0 | | AD | FS | ☐ | FS | | |
| Low pH | pH | 12/01/07 - 11/30/14 | 6.50 | 27 | | 0 | | AD | FS | ☐ | FS | | |
| Nutrient Screening Levels | Ammonia | 12/01/07 - 11/30/14 | 0.33 | 26 | | 2 | 0.41 | AD | NC | ☐ | NC | | |
| Nutrient Screening Levels | Chlorophyll-a | 12/01/07 - 11/30/14 | 14.10 | 25 | | 15 | 71.49 | AD | CS | ☐ | CS | chlorophyll-a | |
| Nutrient Screening Levels | Nitrate | 12/01/07 - 11/30/14 | 1.95 | 27 | | 3 | 4.72 | AD | NC | ☐ | NC | | |
| Nutrient Screening Levels | Total Phosphorus | 12/01/07 - 11/30/14 | 0.69 | 19 | | 4 | 0.89 | AD | NC | ☐ | NC | | |
| Water Temperature | Water temperature | 12/01/07 - 11/30/14 | 32.20 | 27 | | 0 | | AD | FS | ☐ | FS | | |

# 2016 Texas Integrated Report - Assessment Results for Basin 15 - Colorado-Lavaca Coastal Basin

**AUID: 1502_02** Upper portion of segment from the confluence with unnamed tributary about 1.0 km SW of intersection of 418 and 422 NE of City of Danevang in Wharton County upst

**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 | 12/01/07 - 11/30/14 | 250 | 25 | 140.76 | 0 | | AD | FS | ☐ | FS | | |
| Dissolved Solids | Sulfate | 12/01/07 - 11/30/14 | 100 | 27 | 23.30 | 0 | | AD | FS | ☐ | FS | | |
| Dissolved Solids | Total Dissolved Solids | 12/01/07 - 11/30/14 | 800 | 25 | 581.22 | 0 | | AD | FS | ☐ | FS | | |

# 2016 Texas Integrated Report - Assessment Results for Basin 15 - Colorado-Lavaca Coastal Basin

**AUID: 1502_03** Lower portion of segment from a point 1.6 km (1.0 mile) upstream of the confluence of Wilson Creek upstream to confluence with Wallace Creek Matagorda 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 | 12/01/07 - 11/30/14 | 3 | | | | | ID | NA | ☐ | NA | | |
| Dissolved Oxygen grab screening level | Dissolved Oxygen Grab | 12/01/07 - 11/30/14 | 5 | | | | | ID | NA | ☑ | CS | depressed dissolved oxygen | |

### 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 | 12/01/07 - 11/30/14 | 250 | 25 | 140.76 | 0 | | AD | FS | ☐ | FS | | |
| Dissolved Solids | Sulfate | 12/01/07 - 11/30/14 | 100 | 27 | 23.30 | 0 | | AD | FS | ☐ | FS | | |
| Dissolved Solids | Total Dissolved Solids | 12/01/07 - 11/30/14 | 800 | 25 | 581.22 | 0 | | AD | FS | ☐ | FS | | |