# 2010 Texas Water Quality Inventory: Assessment Results for Basin 17 - Lavaca-Guadalupe

| 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| **SM** = This assessment method is superseded by another method | **OE** = Other information than ambient samples evaluated, generally information is provided by outside entity | |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. |

| Segment New in 2010? | **No** | **SEGID** | **1701** | **Victoria Barge Canal** |
|---|---|---|---|---|

**AUID** | **1701_01** | Entire segment

## 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 | 27 | | 0 | | 4.00 | AD | NC | ☐ | NC | | |
| Dissolved Oxygen grab minimum | Dissolved Oxygen Grab | 12/1/2001 | 11/30/2008 | 27 | | 0 | | 3.00 | AD | FS | ☐ | FS | | |
| Dissolved Oxygen 24hr average | Dissolved Oxygen 24hr Avg | 12/1/2001 | 11/30/2008 | 2 | | 0 | | 4.00 | ID | NA | ☐ | NA | | |
| Dissolved Oxygen 24hr minimum | Dissolved Oxygen 24hr Min | 12/1/2001 | 11/30/2008 | 2 | | 0 | | 3.00 | ID | NA | ☐ | NA | | |

## 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 | 22 | | 2 | 670.5 | 89.00 | AD | FS | ☐ | FS | | |
| Bacteria Geomean | Enterococcus | 12/1/2001 | 11/30/2008 | 22 | 14.09 | | | 35.00 | 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 | 27 | | 0 | | 35.00 | AD | FS | ☐ | FS | | |
| High pH | pH | 12/1/2001 | 11/30/2008 | 27 | | 0 | | 9.00 | AD | FS | ☐ | FS | | |
| Low pH | pH | 12/1/2001 | 11/30/2008 | 27 | | 0 | | 6.50 | AD | FS | ☐ | FS | | |
| Enterococci (1006, 1007) single sample | Enterococcus | 12/1/2001 | 11/30/2008 | 22 | | 2 | 670.5 | 89.00 | AD | FS | ☐ | FS | | |
| Enterococci (1006, 1007) geometric mean | Enterococcus | 12/1/2001 | 11/30/2008 | 22 | 14.09 | | | 89.00 | AD | FS | ☐ | FS | | |
| Nutrient Screening Levels | Chlorophyll-a | 12/1/2001 | 11/30/2008 | 27 | | 14 | 27.7 | 11.60 | AD | CS | ☐ | CS | chlorophyll-a | |
| Nutrient Screening Levels | Nitrate | 12/1/2001 | 11/30/2008 | 26 | | 14 | 0.69 | 0.17 | AD | CS | ☐ | CS | nitrate | |
| Nutrient Screening Levels | Orthophosphorus | 12/1/2001 | 11/30/2008 | 27 | | 0 | | 0.19 | AD | NC | ☐ | NC | | |
| Nutrient Screening Levels | Ammonia | 12/1/2001 | 11/30/2008 | 28 | | 6 | 0.18 | 0.10 | AD | NC | ☐ | NC | | |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2001 | 11/30/2008 | 28 | | 2 | 0.24 | 0.21 | AD | NC | ☐ | NC | | |