

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

| Report Abbreviations   | Description:  |  |  |
|--|---|--|--|
| <b>SEGID:</b>  | Unique Segment identification alpha-numeric code; can be stream, reservoir, estuary, oyster waters, beach watch, etc.   |  |  |
| <b>AUID:</b>   | 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.  |  |  |
| <b>ASMT Start Date:</b>  | The start date of the period of record data for this method was selected; the official 2012 period of record is from 12/1/2003 to 11/30/2010. Assessors have the option of going back 10 years (12/1/2000) to select more data, according to assessment guidance.   |  |  |
| <b>ASMT End Date</b>   | The end date of the period of record data for this method was selected; the official 2012 period of record dates are 12/1/2003 to 11/30/2010. Assessors have the option of including more recently collected data than 12/01/2010, if available.  |  |  |
| <b># Assd:</b>   | 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.   |  |  |
| <b>Mean Assd:</b>  | Mean of samples assessed; includes averaged methods like chronic criteria as well as geometric mean calculations for bacteria.  |  |  |
| <b># Exceed:</b>   | The number of samples that exceed criteria for single sample, or binomial, methods (not averaged data).   |  |  |
| <b>Mean Exceed:</b>  | This is the mean of the samples that exceeded criteria for the single sample, or binomial, methods (not averaged data).   |  |  |
| <b>Criteria:</b>   | 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.   |  |  |
| <b>DS Qual:</b>  | <p><i>Dataset Qualifier - indicates sample sizes:</i></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <b>AD</b> = Adequate Data (10 or more samples)<br/> <b>LD</b> = Limited Data (less than 9, greater than 3)<br/> <b>ID</b> = Inadequate Data (less than 4)<br/> <b>JQ</b> = Level of support is based on judgment of the assessor                 </td> <td style="width: 50%; vertical-align: top;"> <b>SM</b> = This assessment method is superseded by another method<br/> <b>TR</b> = Temporally Not Representative, used with NA<br/> <b>SR</b> = Spatially Not Representative, used with NA<br/> <b>OE</b> = Other information than ambient samples evaluated, generally information is provided by outside entity                 </td> </tr> </table>  | <b>AD</b> = Adequate Data (10 or more samples)<br><b>LD</b> = Limited Data (less than 9, greater than 3)<br><b>ID</b> = Inadequate Data (less than 4)<br><b>JQ</b> = Level of support is based on judgment of the assessor | <b>SM</b> = This assessment method is superseded by another method<br><b>TR</b> = Temporally Not Representative, used with NA<br><b>SR</b> = Spatially Not Representative, used with NA<br><b>OE</b> = Other information than ambient samples evaluated, generally information is provided by outside entity |
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| <b>LOS:</b>  | <p><i>Level of support for this use, method, assessment parameter:</i></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <b>FS</b> = Fully Supporting<br/> <b>NC</b> = No Concern<br/> <b>NA</b> = Not Assessed                 </td> <td style="width: 50%; vertical-align: top;"> <b>NS</b> = Nonsupport<br/> <b>CS</b> = Screening Level Concern<br/> <b>CN</b> = Use Concern                 </td> </tr> </table>   | <b>FS</b> = Fully Supporting<br><b>NC</b> = No Concern<br><b>NA</b> = Not Assessed   | <b>NS</b> = Nonsupport<br><b>CS</b> = Screening Level Concern<br><b>CN</b> = Use Concern   |
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| <b>CF:</b>   | 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.  |  |  |
| <b>Int LOS:</b>  | 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   |  |  |
| <b>TCEQ Cause</b>  | This is the impairment description (e.g., bacteria, depressed dissolved oxygen, etc.)   |  |  |
| <b>Cat:</b>  | <p><i>This is the assessment category assigned to this impairment. Subcategories as follows:</i></p> <p><b>Category 4:</b> Standard is not supported or is threatened for one or more designated uses but does not require the development of a TMDL.</p> <p style="margin-left: 20px;"><b>4a</b> - TMDL has been completed and approved by EPA. Category.</p> <p style="margin-left: 20px;"><b>4b</b> - Other pollution control requirements are reasonably expected to result in the attainment of the water quality standard in the near future.</p> <p style="margin-left: 20px;"><b>4c</b> - Nonsupport of the water quality standard is not caused by a pollutant.</p> <p><b>Category 5:</b> The water body does not meet applicable water quality standards or is threatened for one or more designated uses by one or more pollutants.</p> <p style="margin-left: 20px;"><b>5a</b> - A TMDL is underway, scheduled, or will be scheduled.</p> <p style="margin-left: 20px;"><b>5b</b> - A review of the water quality standards for this water body will be conducted before a TMDL is scheduled.</p> <p style="margin-left: 20px;"><b>5c</b> - Additional data and information will be collected before a TMDL is scheduled.</p> |  |  |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0601 Neches River Tidal**

**AUID 0601\_01** Lower boundary to top of first oxbow, above Bird Island Bayou confluence at NHD RC 12020003000004

**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   | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 3.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab   | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 2.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | gamma-BHC (Lindane)     | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 0.16     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | 2,4,5-Trichlorophenol   | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 259.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Pentachlorophenol (PCP) | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 15.10    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Endosulfan sulfate      | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 0.03     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Endosulfan 2 (beta)     | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 0.03     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Endosulfan 1 (alpha)    | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 0.03     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Toxaphene               | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 0.21     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Zinc                    | 12/1/2000       | 11/30/2010    | 7      |           | 0        |             | 92.70    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Acute Toxic Substances in water       | Phenanthrene            | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 7.70     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | PCBs                    | 12/1/2000       | 11/30/2010    | 3      |           | 0        |             | 10.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Nickel                  | 12/1/2000       | 11/30/2010    | 7      |           | 0        |             | 118.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Acute Toxic Substances in water       | Arsenic                 | 12/1/2000       | 11/30/2010    | 7      |           | 0        |             | 149.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Acute Toxic Substances in water       | DDT                     | 12/1/2000       | 11/30/2010    | 12     |           | 0        |             | 0.13     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Aldrin                  | 12/1/2000       | 11/30/2010    | 12     |           | 0        |             | 1.30     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Mercury                 | 12/1/2000       | 11/30/2010    | 1      |           | 0        |             | 2.10     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Cadmium                 | 12/1/2000       | 11/30/2010    | 7      |           | 0        |             | 45.40    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Acute Toxic Substances in water       | Carbaryl (Sevin)        | 12/1/2000       | 11/30/2010    | 11     |           | 0        |             | 613.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0601\_01 Lower boundary to top of first oxbow, above Bird Island Bayou confluence at NHD RC 12020003000004

**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 |
|-----------------------------------|-------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Acute Toxic Substances in water   | Chlordane               | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 0.09     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water   | Chloropyrifos (Dursban) | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 0.01     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water   | Copper                  | 12/1/2000       | 11/30/2010    | 7      |           | 0        |             | 13.50    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Acute Toxic Substances in water   | Dieldrin                | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 0.71     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water   | Endrin                  | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 0.04     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water   | Heptachlor              | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 0.05     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water   | Lead                    | 12/1/2000       | 11/30/2010    | 7      |           | 0        |             | 133.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Chronic Toxic Substances in water | Endosulfan sulfate      | 12/1/2000       | 11/30/2010    | 13     | 0.00      | 0        |             | 0.01     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | Nickel                  | 12/1/2000       | 11/30/2010    | 7      | 4.58      | 0        |             | 13.10    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Chronic Toxic Substances in water | PCBs                    | 12/1/2000       | 11/30/2010    | 3      | 0.02      | 0        |             | 0.03     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water | Phenanthrene            | 12/1/2000       | 11/30/2010    | 13     | 2.30      | 0        |             | 4.60     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | Zinc                    | 12/1/2000       | 11/30/2010    | 7      | 7.39      | 0        |             | 84.20    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Chronic Toxic Substances in water | Toxaphene               | 12/1/2000       | 11/30/2010    | 13     | 0.00      | 0        |             | 0.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | DDT                     | 12/1/2000       | 11/30/2010    | 12     | 0.00      | 0        |             | 0.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | 2,4,5-Trichlorophenol   | 12/1/2000       | 11/30/2010    | 13     | 2.80      | 0        |             | 12.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | Endosulfan 2 (beta)     | 12/1/2000       | 11/30/2010    | 13     | 0.00      | 0        |             | 0.01     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | Methoxychlor            | 12/1/2000       | 11/30/2010    | 13     | 0.01      | 0        |             | 0.03     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | Pentachlorophenol (PCP) | 12/1/2000       | 11/30/2010    | 13     | 2.44      | 0        |             | 9.60     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | Mercury                 | 12/1/2000       | 11/30/2010    | 1      | 0.10      | 0        |             | 1.10     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water | Endosulfan 1 (alpha)    | 12/1/2000       | 11/30/2010    | 13     | 0.00      | 0        |             | 0.01     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | Cadmium                 | 12/1/2000       | 11/30/2010    | 7      | 1.73      | 0        |             | 10.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0601\_01 Lower boundary to top of first oxbow, above Bird Island Bayou confluence at NHD RC 12020003000004

**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 |
|-----------------------------------|-----------------------------|-----------------|---------------|--------|-----------|----------|-------------|--------------|---------|-----|--------------------------|---------|------------|-----|
| Chronic Toxic Substances in water | Mirex                       | 12/1/2000       | 11/30/2010    | 12     | 0.00      | 0        |             | 0.00         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | Arsenic                     | 12/1/2000       | 11/30/2010    | 7      | 7.73      | 0        |             | 78.00        | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Chronic Toxic Substances in water | Chlordane                   | 12/1/2000       | 11/30/2010    | 13     | 0.00      | 0        |             | 0.00         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | Chloropyrifos (Dursban)     | 12/1/2000       | 11/30/2010    | 13     | 0.00      | 0        |             | 0.01         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | Copper                      | 12/1/2000       | 11/30/2010    | 7      | 1.61      | 0        |             | 3.60         | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Chronic Toxic Substances in water | Demeton                     | 12/1/2000       | 11/30/2010    | 12     | 0.05      | 0        |             | 0.10         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | Endrin                      | 12/1/2000       | 11/30/2010    | 13     | 0.00      | 0        |             | 0.00         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | Guthion                     | 12/1/2000       | 11/30/2010    | 13     | 0.01      | 0        |             | 0.01         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | Heptachlor                  | 12/1/2000       | 11/30/2010    | 13     | 0.00      | 0        |             | 0.00         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | Lead                        | 12/1/2000       | 11/30/2010    | 7      | 0.92      | 0        |             | 5.30         | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Chronic Toxic Substances in water | Malathion                   | 12/1/2000       | 11/30/2010    | 18     | 0.01      | 0        |             | 0.01         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | Dieldrin                    | 12/1/2000       | 11/30/2010    | 13     | 0.00      | 0        |             | 0.00         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Toxic Substances in sediment      | 1,3-Dichlorobenzene         | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 1,950.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment      | 1,2-Dichloroethane          | 12/1/2003       | 11/30/2010    | 12     |           | 0        |             | 25,800.00    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment      | Chlorobenzene               | 12/1/2003       | 11/30/2010    | 12     |           | 0        |             | 19,870.00    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment      | Carbon tetrachloride        | 12/1/2003       | 11/30/2010    | 12     |           | 0        |             | 37,330.00    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment      | Zinc                        | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 410.00       | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment      | Benzene                     | 12/1/2003       | 11/30/2010    | 12     |           | 0        |             | 45,010.00    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment      | Acetone                     | 12/1/2003       | 11/30/2010    | 9      |           | 0        |             | 1,003,360.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment      | DDT                         | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 4.77         | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment      | Bis(2-ethyl-hexyl)phthalate | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 2,647.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |

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**AUID** 0601\_01 Lower boundary to top of first oxbow, above Bird Island Bayou confluence at NHD RC 12020003000004

**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 |
|------------------------------|-----------------------------|-----------------|---------------|--------|-----------|----------|-------------|------------|---------|-----|--------------------------|---------|------------|-----|
| Toxic Substances in sediment | Benz(a)anthracene           | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 1,600.00   | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Ethylbenzene                | 12/1/2003       | 11/30/2010    | 12     |           | 0        |             | 3,930.00   | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | 1,1,1-Trichloroethane       | 12/1/2003       | 11/30/2010    | 12     |           | 0        |             | 15,830.00  | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | gamma-BHC (Lindane)         | 12/1/2003       | 11/30/2010    | 13     |           | 0        | 0.99        |            | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | 4-Methyl-2-Pentanone (MIBK) | 12/1/2003       | 11/30/2010    | 9      |           | 0        |             | 272,060.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Methylene chloride          | 12/1/2003       | 11/30/2010    | 12     |           | 0        |             | 22,910.00  | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Styrene                     | 12/1/2003       | 11/30/2010    | 9      |           | 0        |             | 22,310.00  | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Tetrachloroethene           | 12/1/2003       | 11/30/2010    | 11     |           | 0        |             | 18,590.00  | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Toluene                     | 12/1/2003       | 11/30/2010    | 12     |           | 0        |             | 5,660.00   | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | 1,2,4-Trichlorobenzene      | 12/1/2003       | 11/30/2010    | 12     |           | 0        |             | 2,320.00   | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Nitrobenzene                | 12/1/2003       | 11/30/2010    | 13     |           | 0        | 161.06      |            | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | 1,1,2-Trichloroethane       | 12/1/2003       | 11/30/2010    | 12     |           | 0        |             | 1,800.00   | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Xylene                      | 12/1/2003       | 11/30/2010    | 12     |           | 0        |             | 7,470.00   | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | DDE                         | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 374.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Chloroform                  | 12/1/2003       | 11/30/2010    | 12     |           | 0        | 25.80       |            | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | 2-Methylnaphthalene         | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 670.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Trichloroethene             | 12/1/2003       | 11/30/2010    | 11     |           | 0        |             | 8,820.00   | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Bromoform                   | 12/1/2003       | 11/30/2010    | 12     |           | 0        |             | 10,670.00  | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Chrysene                    | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 2,800.00   | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Silver                      | 12/1/2003       | 11/30/2010    | 26     |           | 0        | 3.70        |            | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Acenaphthene                | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 500.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0601\_01 Lower boundary to top of first oxbow, above Bird Island Bayou confluence at NHD RC 12020003000004

**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 |
|------------------------------|-----------------------------|-----------------|---------------|--------|-----------|----------|-------------|-----------|---------|-----|--------------------------|---------|------------|-----|
| Toxic Substances in sediment | Acenaphthylene              | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 640.00    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Acrylonitrile               | 12/1/2003       | 11/30/2010    | 12     |           | 0        |             | 1,040.00  | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Anthracene                  | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 1,100.00  | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Arsenic                     | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 70.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Benzo(a)pyrene              | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 1,600.00  | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Cadmium                     | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 9.60      | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Chlordane                   | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 4.79      | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Chloromethane               | 12/1/2003       | 11/30/2010    | 12     |           | 0        |             | 52,430.00 | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | 1,1,1,2,2-Tetrachloroethane | 12/1/2003       | 11/30/2010    | 12     |           | 0        |             | 3,690.00  | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | 1,4-Dichlorobenzene         | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 4,210.00  | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Copper                      | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 270.00    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Mercury                     | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 0.71      | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Pyrene                      | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 2,600.00  | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Phenanthrene                | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 1,500.00  | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | PCBs                        | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 180.00    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Chromium                    | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 370.00    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Naphthalene                 | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 2,100.00  | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | DDD                         | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 7.81      | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Lead                        | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 218.00    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Hexachloroethane            | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 13,770.00 | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Hexachlorobutadiene (HCBd)  | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 12.76     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0601\_01 Lower boundary to top of first oxbow, above Bird Island Bayou confluence at NHD RC 12020003000004

**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 |
|------------------------------|-----------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Toxic Substances in sediment | Fluorene              | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 540.00   | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Fluoranthene          | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 5,100.00 | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Dieldrin              | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 4.30     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Dibenz(a,h)anthracene | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 260.00   | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Nickel                | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 51.60    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |

**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 Geomean | Enterococcus | 12/1/2003       | 11/30/2010    | 25     | 43.36     | 1        |             | 35.00    | JQ      | NS  | <input type="checkbox"/> | CN      | bacteria   |     |

**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      | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 35.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH               | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH               | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 0.66     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 29     |           | 0        |             | 1.10     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 25     |           | 0        |             | 21.00    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 29     |           | 0        |             | 0.46     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 29     |           | 0        |             | 0.46     | AD      | NC  | <input type="checkbox"/> | 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    | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NS  | <input type="checkbox"/> | NS      | PCBs in edible tissue | 5c  |
| HH Bioaccumulative Toxics in water              | 1,1,2,2-Tetrachloroethane | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 76.00    | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0601\_01**

Lower boundary to top of first oxbow, above Bird Island Bayou confluence at NHD RC 12020003000004

**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 |
|------------------------------------|----------------------------|-----------------|---------------|--------|-----------|----------|-------------|--------------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | DDE                        | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.01         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Vinyl chloride             | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 24.00        | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Mercury                    | 12/1/2000       | 11/30/2010    | 1      | 0.01      | 0        |             | 0.03         | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water | 1,1,2-Trichloroethane      | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 295.00       | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | 2,4-Dimethylphenol         | 12/1/2003       | 11/30/2010    | 9      | 2.57      | 0        |             | 571.00       | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | 1,1,1-Trichloroethane      | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 956,663.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Tetrachloroethene          | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 49.00        | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | 1,2-Dibromoethane          | 12/1/2003       | 11/30/2010    | 10     | 1.07      | 0        |             | 2.13         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Nitrobenzene               | 12/1/2003       | 11/30/2010    | 9      | 2.57      | 0        |             | 463.00       | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Ethylbenzene               | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 7,143.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | 1,2-Dichloropropane        | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 226.00       | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | 1,1-Dichloroethylene       | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 23,916.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | 1,2-Dichloroethane         | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 553.00       | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Bromoform                  | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 2,175.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | 1,2,4,5-Tetrachlorobenzene | 12/1/2003       | 11/30/2010    | 10     | 0.36      | 0        |             | 0.71         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chlorobenzene              | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 5,201.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Cresols                    | 12/1/2003       | 11/30/2010    | 9      | 5.13      | 0        |             | 1,981.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Hexachlorophene            | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.01         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Methyl ethyl ketone        | 12/1/2003       | 11/30/2010    | 10     | 10.00     | 0        |             | 1,500,000.00 | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | N-Nitrosodiethylamine      | 12/1/2003       | 11/30/2010    | 10     | 1.05      | 0        |             | 2.10         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | N-Nitroso-di-n-butylamine  | 12/1/2003       | 11/30/2010    | 10     | 2.10      | 0        |             | 4.20         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0601\_01 Lower boundary to top of first oxbow, above Bird Island Bayou confluence at NHD RC 12020003000004

**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 |
|------------------------------------|-------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Pentachlorobenzene      | 12/1/2003       | 11/30/2010    | 10     | 0.50      | 0        |             | 1.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Silvex                  | 12/1/2003       | 11/30/2010    | 9      | 0.25      | 0        |             | 7.60     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Pyridine                | 12/1/2003       | 11/30/2010    | 8      | 2.56      | 0        |             | 2,014.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Bis(2-chloroethyl)ether | 12/1/2003       | 11/30/2010    | 9      | 2.56      | 0        |             | 5.27     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | m-Dichlorobenzene       | 12/1/2003       | 11/30/2010    | 9      | 2.57      | 0        |             | 1,445.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | o-Dichlorobenzene       | 12/1/2003       | 11/30/2010    | 9      | 2.57      | 0        |             | 4,336.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Dichloromethane         | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 5,926.00 | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chloroform              | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 7,143.00 | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chrysene                | 12/1/2003       | 11/30/2010    | 10     | 2.58      | 0        |             | 327.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Acrylonitrile           | 12/1/2003       | 11/30/2010    | 10     | 1.90      | 0        |             | 3.80     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Aldrin                  | 12/1/2003       | 11/30/2010    | 9      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Benzidine               | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Benzo(a)anthracene      | 12/1/2003       | 11/30/2010    | 9      | 0.27      | 0        |             | 0.54     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Benzo(a)pyrene          | 12/1/2003       | 11/30/2010    | 10     | 0.17      | 0        |             | 0.33     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | PCBs                    | 12/1/2000       | 11/30/2010    | 3      | 0.00      | 0        |             | 0.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water | Chromium                | 12/1/2000       | 11/30/2010    | 7      | 2.09      | 0        |             | 502.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Carbon tetrachloride    | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 29.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | DDD                     | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.01     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Dieldrin                | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Endrin                  | 12/1/2003       | 11/30/2010    | 10     | 0.03      | 0        |             | 0.20     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Heptachlor              | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0601\_01 Lower boundary to top of first oxbow, above Bird Island Bayou confluence at NHD RC 12020003000004

**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 |
|---------------------------------------|----------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water    | Heptachlor epoxide         | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water    | Hexachlorobenzene (HCB)    | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water    | Pentachlorophenol (PCP)    | 12/1/2003       | 11/30/2010    | 10     | 3.10      | 0        |             | 57.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water    | Chlordane                  | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.01     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water    | Hexachlorobutadiene (HCBd) | 12/1/2003       | 11/30/2010    | 9      | 2.57      | 0        |             | 274.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water    | Bromodichloromethane       | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 322.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water    | 2,4,5-Trichlorophenol      | 12/1/2003       | 11/30/2010    | 10     | 2.69      | 0        |             | 2,435.00 | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water    | Dicofol (Kelthane)         | 12/1/2003       | 11/30/2010    | 10     | 0.04      | 0        |             | 0.08     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water    | DDT                        | 12/1/2003       | 11/30/2010    | 9      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water    | Di-n-butyl phthalate       | 12/1/2003       | 11/30/2010    | 10     | 2.58      | 0        |             | 3,010.00 | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water    | Toxaphene                  | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.01     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water    | gamma-BHC (Lindane)        | 12/1/2003       | 11/30/2010    | 10     | 0.05      | 0        |             | 6.20     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water    | Trichloroethene            | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 649.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water    | Methoxychlor               | 12/1/2003       | 11/30/2010    | 10     | 0.04      | 0        |             | 0.33     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water    | Lead                       | 12/1/2000       | 11/30/2010    | 7      | 0.71      | 0        |             | 3.83     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water    | Hexachloroethane           | 12/1/2003       | 11/30/2010    | 9      | 2.57      | 0        |             | 62.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water    | Benzene                    | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 513.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Bioaccumulative Toxics in fish tissue | PCBs                       | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.09     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | DDE                        | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 3.63     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | beta-BHC                   | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.85     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Toxaphene                  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.55     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0601\_01** Lower boundary to top of first oxbow, above Bird Island Bayou confluence at NHD RC 12020003000004

**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 | DDT                        | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 3.52     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Pentachlorophenol (PCP)    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 354.67   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Nitrobenzene               | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 5.91     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | 1,2,4,5-Tetrachlorobenzene | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 3.55     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | BHC-alpha isomer           | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.24     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Cresols                    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 591.11   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | N-Nitrosodiethylamine      | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.01     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | N-Nitroso-di-n-butylamine  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.29     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Pentachlorobenzene         | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 9.46     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Copper                     | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 250.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Pyridine                   | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 11.82    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Aldrin                     | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.09     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Arsenic                    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.04     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Benzidine                  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Cadmium                    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.23     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Chlordane                  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.30     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Chromium                   | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 5.25     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Dieldrin                   | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.04     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | DDD                        | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 6.40     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor                 | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.14     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor epoxide         | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.17     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0601\_01 Lower boundary to top of first oxbow, above Bird Island Bayou confluence at NHD RC 12020003000004

**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 | Hexachlorobenzene (HCB)    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.41     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobutadiene (HCBd) | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 7.43     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachloroethane           | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 109.78   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Lead                       | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.60     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Mercury                    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.53     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0601\_02 Top of first oxbow to top of U.S. Nat'l Defense Reserve Fleet Basin at top of NHD RC 12020003008459

**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 | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 3.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 2.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Toxic Substances in sediment          | Nickel                | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 51.60    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment          | Arsenic               | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 70.00    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment          | Silver                | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 3.70     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment          | Mercury               | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 0.71     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment          | Lead                  | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 218.00   | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment          | Copper                | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 270.00   | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment          | Chromium              | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 370.00   | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment          | Cadmium               | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 9.60     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment          | Zinc                  | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 410.00   | AD      | NC  | <input type="checkbox"/> | NC      |            |     |

**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 Geomean | Enterococcus | 12/1/2003       | 11/30/2010    | 25     | 58.31     | 1        |             | 35.00    | AD      | NS  | <input type="checkbox"/> | 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     | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 35.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH              | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH              | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Chlorophyll-a   | 12/1/2003       | 11/30/2010    | 24     |           | 0        |             | 21.00    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 0.46     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate         | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 1.10     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0601\_02 Top of first oxbow to top of U.S. Nat'l Defense Reserve Fleet Basin at top of NHD RC 12020003008459

**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 | Ammonia          | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 0.46     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 0.66     | AD      | NC  | <input type="checkbox"/> | 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    | 12/1/2003       | 11/30/2010    |        |           |          |             |            | OE      | NS  | <input type="checkbox"/> | NS      | PCBs in edible tissue | 5c  |
| HH Bioaccumulative Toxics in water              | DDE                       | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.01       | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | Vinyl chloride            | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 24.00      | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | 1,1,2-Trichloroethane     | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 295.00     | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | 1,1,1-Trichloroethane     | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 956,663.00 | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | Bromoform                 | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 2,175.00   | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | 1,1,2,2-Tetrachloroethane | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 76.00      | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | Cresols                   | 12/1/2003       | 11/30/2010    | 9      | 5.13      | 0        |             | 1,981.00   | LD      | NC  | <input type="checkbox"/> | NC      |                       |     |
| HH Bioaccumulative Toxics in water              | Nitrobenzene              | 12/1/2003       | 11/30/2010    | 9      | 2.57      | 0        |             | 463.00     | LD      | NC  | <input type="checkbox"/> | NC      |                       |     |
| HH Bioaccumulative Toxics in water              | Ethylbenzene              | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 7,143.00   | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | 1,2-Dichloropropane       | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 226.00     | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | 1,1-Dichloroethylene      | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 23,916.00  | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | 1,2-Dichloroethane        | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 553.00     | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | Chlorobenzene             | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 5,201.00   | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | Tetrachloroethene         | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 49.00      | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | Chloroform                | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 7,143.00   | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | 1,2-Dibromoethane         | 12/1/2003       | 11/30/2010    | 10     | 1.07      | 0        |             | 2.13       | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0601\_02 Top of first oxbow to top of U.S. Nat'l Defense Reserve Fleet Basin at top of NHD RC 12020003008459

**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 |
|------------------------------------|----------------------------|-----------------|---------------|--------|-----------|----------|-------------|--------------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Hexachlorophene            | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.01         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Methyl ethyl ketone        | 12/1/2003       | 11/30/2010    | 10     | 10.00     | 0        |             | 1,500,000.00 | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | N-Nitrosodiethylamine      | 12/1/2003       | 11/30/2010    | 10     | 1.05      | 0        |             | 2.10         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | 2,4-Dimethylphenol         | 12/1/2003       | 11/30/2010    | 9      | 2.57      | 0        |             | 571.00       | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Pentachlorobenzene         | 12/1/2003       | 11/30/2010    | 10     | 0.50      | 0        |             | 1.00         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Pyridine                   | 12/1/2003       | 11/30/2010    | 8      | 2.56      | 0        |             | 2,014.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Bis(2-chloroethyl)ether    | 12/1/2003       | 11/30/2010    | 9      | 2.56      | 0        |             | 5.27         | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | m-Dichlorobenzene          | 12/1/2003       | 11/30/2010    | 9      | 2.57      | 0        |             | 1,445.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | o-Dichlorobenzene          | 12/1/2003       | 11/30/2010    | 9      | 2.57      | 0        |             | 4,336.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Dichloromethane            | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 5,926.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | N-Nitroso-di-n-butylamine  | 12/1/2003       | 11/30/2010    | 10     | 2.10      | 0        |             | 4.20         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Carbon tetrachloride       | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 29.00        | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | 1,2,4,5-Tetrachlorobenzene | 12/1/2003       | 11/30/2010    | 10     | 0.36      | 0        |             | 0.71         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | DDD                        | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.01         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Bromodichloromethane       | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 322.00       | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Silvex                     | 12/1/2003       | 11/30/2010    | 9      | 0.25      | 0        |             | 7.60         | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Acrylonitrile              | 12/1/2003       | 11/30/2010    | 10     | 1.90      | 0        |             | 3.80         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Aldrin                     | 12/1/2003       | 11/30/2010    | 9      | 0.00      | 0        |             | 0.00         | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Benzidine                  | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.00         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Benzo(a)anthracene         | 12/1/2003       | 11/30/2010    | 9      | 0.27      | 0        |             | 0.54         | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Benzo(a)pyrene             | 12/1/2003       | 11/30/2010    | 10     | 0.17      | 0        |             | 0.33         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0601\_02 Top of first oxbow to top of U.S. Nat'l Defense Reserve Fleet Basin at top of NHD RC 12020003008459

**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 |
|------------------------------------|---------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chlordane                 | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.01     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chrysene                  | 12/1/2003       | 11/30/2010    | 10     | 2.58      | 0        |             | 327.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Dieldrin                  | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Endrin                    | 12/1/2003       | 11/30/2010    | 10     | 0.03      | 0        |             | 0.20     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Heptachlor                | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Heptachlor epoxide        | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Hexachlorobenzene (HCB)   | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Toxaphene                 | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.01     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Benzene                   | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 513.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | 2,4,5-Trichlorophenol     | 12/1/2003       | 11/30/2010    | 10     | 2.69      | 0        |             | 2,435.00 | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chromium                  | 12/1/2003       | 11/30/2010    | 7      | 2.09      | 0        |             | 502.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Hexachlorobutadiene (HCB) | 12/1/2003       | 11/30/2010    | 9      | 2.57      | 0        |             | 274.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Dicofol (Kelthane)        | 12/1/2003       | 11/30/2010    | 10     | 0.04      | 0        |             | 0.08     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Di-n-butyl phthalate      | 12/1/2003       | 11/30/2010    | 10     | 2.58      | 0        |             | 3,010.00 | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Pentachlorophenol (PCP)   | 12/1/2003       | 11/30/2010    | 10     | 3.10      | 0        |             | 57.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | gamma-BHC (Lindane)       | 12/1/2003       | 11/30/2010    | 10     | 0.05      | 0        |             | 6.20     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Trichloroethene           | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 649.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | PCBs                      | 12/1/2003       | 11/30/2010    | 3      | 0.00      | 0        |             | 0.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water | Methoxychlor              | 12/1/2003       | 11/30/2010    | 10     | 0.04      | 0        |             | 0.33     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Mercury                   | 12/1/2003       | 11/30/2010    | 1      | 0.01      | 0        |             | 0.03     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water | Lead                      | 12/1/2003       | 11/30/2010    | 7      | 0.71      | 0        |             | 3.83     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0601\_02 Top of first oxbow to top of U.S. Nat'l Defense Reserve Fleet Basin at top of NHD RC 12020003008459

**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 |
|---------------------------------------|----------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water    | Hexachloroethane           | 12/1/2003       | 11/30/2010    | 9      | 2.57      | 0        |             | 62.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water    | DDT                        | 12/1/2003       | 11/30/2010    | 9      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | beta-BHC                   | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.85     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | PCBs                       | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.09     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Nitrobenzene               | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 5.91     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Toxaphene                  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.55     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | DDT                        | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 3.52     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Pentachlorophenol (PCP)    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 354.67   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | DDE                        | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 3.63     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | 1,2,4,5-Tetrachlorobenzene | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 3.55     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Cresols                    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 591.11   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | N-Nitroso-di-n-butylamine  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.29     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Pyridine                   | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 11.82    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Mercury                    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.53     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | BHC-alpha isomer           | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.24     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Pentachlorobenzene         | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 9.46     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | DDD                        | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 6.40     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | N-Nitrosodiethylamine      | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.01     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Aldrin                     | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.09     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Arsenic                    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.04     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Benzidine                  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0601\_02**

Top of first oxbow to top of U.S. Nat'l Defense Reserve Fleet Basin at top of NHD RC 12020003008459

**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 | Cadmium                    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.23     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Chlordane                  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.30     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Lead                       | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.60     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Copper                     | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 250.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Dieldrin                   | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.04     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor                 | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.14     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor epoxide         | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.17     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobenzene (HCB)    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.41     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobutadiene (HCBd) | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 7.43     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachloroethane           | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 109.78   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Chromium                   | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 5.25     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0601\_03 Top of U.S. Nat'l Defense Reserve Fleet Basin to top of last oxbow below Kansas City Southern Railroad bridge 0.44km upstream of NHD RC 12020003000013

### 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 | 12/1/2003       | 11/30/2010    | 27     |           | 1        | 2.9         | 3.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 2.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Toxic Substances in sediment          | Nickel                | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 51.60    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment          | Silver                | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 3.70     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment          | Mercury               | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 0.71     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment          | Lead                  | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 218.00   | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment          | Copper                | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 270.00   | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment          | Chromium              | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 370.00   | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment          | Cadmium               | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 9.60     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment          | Arsenic               | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 70.00    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment          | Zinc                  | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 410.00   | AD      | NC  | <input type="checkbox"/> | NC      |            |     |

### 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 Geomean | Enterococcus | 12/1/2003       | 11/30/2010    | 24     | 69.07     | 1        |             | 35.00    | AD      | NS  | <input type="checkbox"/> | 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     | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 35.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH              | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH              | 12/1/2003       | 11/30/2010    | 27     |           | 1        | 4           | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Chlorophyll-a   | 12/1/2003       | 11/30/2010    | 24     |           | 0        |             | 21.00    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 0.46     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate         | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 1.10     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0601\_03 Top of U.S. Nat'l Defense Reserve Fleet Basin to top of last oxbow below Kansas City Southern Railroad bridge 0.44km upstream of NHD RC 12020003000013

### 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 | Ammonia          | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 0.46     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 0.66     | AD      | NC  | <input type="checkbox"/> | 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    | 12/1/2003       | 11/30/2010    |        |           |          |             |            | OE      | NS  | <input type="checkbox"/> | NS      | PCBs in edible tissue | 5c  |
| HH Bioaccumulative Toxics in water              | Nitrobenzene              | 12/1/2003       | 11/30/2010    | 9      | 2.57      | 0        |             | 463.00     | LD      | NC  | <input type="checkbox"/> | NC      |                       |     |
| HH Bioaccumulative Toxics in water              | Chloroform                | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 7,143.00   | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | DDE                       | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.01       | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | Vinyl chloride            | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 24.00      | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | 1,1,2-Trichloroethane     | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 295.00     | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | 1,1,1-Trichloroethane     | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 956,663.00 | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | Bromoform                 | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 2,175.00   | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | 1,1,2,2-Tetrachloroethane | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 76.00      | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | Cresols                   | 12/1/2003       | 11/30/2010    | 9      | 5.13      | 0        |             | 1,981.00   | LD      | NC  | <input type="checkbox"/> | NC      |                       |     |
| HH Bioaccumulative Toxics in water              | Ethylbenzene              | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 7,143.00   | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | 1,2-Dichloropropane       | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 226.00     | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | 1,1-Dichloroethylene      | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 23,916.00  | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | Chlorobenzene             | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 5,201.00   | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | 1,2-Dichloroethane        | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 553.00     | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | Tetrachloroethene         | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 49.00      | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | 1,2-Dibromoethane         | 12/1/2003       | 11/30/2010    | 10     | 1.07      | 0        |             | 2.13       | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0601\_03**

Top of U.S. Nat'l Defense Reserve Fleet Basin to top of last oxbow below Kansas City Southern Railroad bridge 0.44km upstream of NHD RC 12020003000013

**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 |
|------------------------------------|----------------------------|-----------------|---------------|--------|-----------|----------|-------------|--------------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Hexachlorophene            | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.01         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Methyl ethyl ketone        | 12/1/2003       | 11/30/2010    | 10     | 10.00     | 0        |             | 1,500,000.00 | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | N-Nitrosodiethylamine      | 12/1/2003       | 11/30/2010    | 10     | 1.05      | 0        |             | 2.10         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | N-Nitroso-di-n-butylamine  | 12/1/2003       | 11/30/2010    | 10     | 2.10      | 0        |             | 4.20         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Pentachlorobenzene         | 12/1/2003       | 11/30/2010    | 10     | 0.50      | 0        |             | 1.00         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Silvex                     | 12/1/2003       | 11/30/2010    | 9      | 0.25      | 0        |             | 7.60         | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Pyridine                   | 12/1/2003       | 11/30/2010    | 8      | 2.56      | 0        |             | 2,014.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Bis(2-chloroethyl)ether    | 12/1/2003       | 11/30/2010    | 9      | 2.56      | 0        |             | 5.27         | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | m-Dichlorobenzene          | 12/1/2003       | 11/30/2010    | 9      | 2.57      | 0        |             | 1,445.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | o-Dichlorobenzene          | 12/1/2003       | 11/30/2010    | 9      | 2.57      | 0        |             | 4,336.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Dichloromethane            | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 5,926.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | 2,4-Dimethylphenol         | 12/1/2003       | 11/30/2010    | 9      | 2.57      | 0        |             | 571.00       | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Dicofol (Kelthane)         | 12/1/2003       | 11/30/2010    | 10     | 0.04      | 0        |             | 0.08         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | 1,2,4,5-Tetrachlorobenzene | 12/1/2003       | 11/30/2010    | 10     | 0.36      | 0        |             | 0.71         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | DDD                        | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.01         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Carbon tetrachloride       | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 29.00        | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Acrylonitrile              | 12/1/2003       | 11/30/2010    | 10     | 1.90      | 0        |             | 3.80         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Aldrin                     | 12/1/2003       | 11/30/2010    | 9      | 0.00      | 0        |             | 0.00         | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Benzidine                  | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.00         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Benzo(a)anthracene         | 12/1/2003       | 11/30/2010    | 9      | 0.27      | 0        |             | 0.54         | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Benzo(a)pyrene             | 12/1/2003       | 11/30/2010    | 10     | 0.17      | 0        |             | 0.33         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0601\_03 Top of U.S. Nat'l Defense Reserve Fleet Basin to top of last oxbow below Kansas City Southern Railroad bridge 0.44km upstream of NHD RC 12020003000013

**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 |
|------------------------------------|----------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chlordane                  | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.01     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chrysene                   | 12/1/2003       | 11/30/2010    | 10     | 2.58      | 0        |             | 327.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Dieldrin                   | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Endrin                     | 12/1/2003       | 11/30/2010    | 10     | 0.03      | 0        |             | 0.20     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Heptachlor                 | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Heptachlor epoxide         | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Hexachlorobenzene (HCB)    | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Hexachlorobutadiene (HCBD) | 12/1/2003       | 11/30/2010    | 9      | 2.57      | 0        |             | 274.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Benzene                    | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 513.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chromium                   | 12/1/2003       | 11/30/2010    | 7      | 2.09      | 0        |             | 502.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Bromodichloromethane       | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 322.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Hexachloroethane           | 12/1/2003       | 11/30/2010    | 9      | 2.57      | 0        |             | 62.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Pentachlorophenol (PCP)    | 12/1/2003       | 11/30/2010    | 10     | 3.10      | 0        |             | 57.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | 2,4,5-Trichlorophenol      | 12/1/2003       | 11/30/2010    | 10     | 2.69      | 0        |             | 2,435.00 | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | DDT                        | 12/1/2003       | 11/30/2010    | 9      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Di-n-butyl pthalate        | 12/1/2003       | 11/30/2010    | 10     | 2.58      | 0        |             | 3,010.00 | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Toxaphene                  | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.01     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | gamma-BHC (Lindane)        | 12/1/2003       | 11/30/2010    | 10     | 0.05      | 0        |             | 6.20     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Trichloroethene            | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 649.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | PCBs                       | 12/1/2003       | 11/30/2010    | 3      | 0.00      | 0        |             | 0.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water | Methoxychlor               | 12/1/2003       | 11/30/2010    | 10     | 0.04      | 0        |             | 0.33     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0601\_03**

Top of U.S. Nat'l Defense Reserve Fleet Basin to top of last oxbow below Kansas City Southern Railroad bridge 0.44km upstream of NHD RC 12020003000013

**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 |
|---------------------------------------|----------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water    | Mercury                    | 12/1/2003       | 11/30/2010    | 1      | 0.01      | 0        |             | 0.03     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water    | Lead                       | 12/1/2003       | 11/30/2010    | 7      | 0.71      | 0        |             | 3.83     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | N-Nitroso-di-n-butylamine  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.29     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | beta-BHC                   | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.85     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Toxaphene                  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.55     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | DDT                        | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 3.52     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Pentachlorophenol (PCP)    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 354.67   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Nitrobenzene               | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 5.91     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | DDE                        | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 3.63     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | 1,2,4,5-Tetrachlorobenzene | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 3.55     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | BHC-alpha isomer           | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.24     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Pyridine                   | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 11.82    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | N-Nitrosodiethylamine      | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.01     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | PCBs                       | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.09     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Pentachlorobenzene         | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 9.46     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobutadiene (HCBD) | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 7.43     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Cresols                    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 591.11   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Chlordane                  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.30     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Lead                       | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.60     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Mercury                    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.53     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Arsenic                    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.04     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

AUD
0601\_03
Top of U.S. Nat'l Defense Reserve Fleet Basin to top of last oxbow below Kansas City Southern Railroad bridge 0.44km upstream of NHD RC 12020003000013

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 | Cadmium                 | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.23     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Chromium                | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 5.25     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Copper                  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 250.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | DDD                     | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 6.40     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor              | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.14     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor epoxide      | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.17     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Aldrin                  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.09     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobenzene (HCB) | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.41     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachloroethane        | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 109.78   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Benzidine               | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Dieldrin                | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.04     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0601\_04 Top of last oxbow below Kansas City Southern Railroad bridge to saltwater barrier at NHD RC 12020003000017

**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   | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 3.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab   | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 2.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | 2,4,5-Trichlorophenol   | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 259.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Endosulfan sulfate      | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.03     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Endosulfan 2 (beta)     | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.03     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Toxaphene               | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.21     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Endosulfan 1 (alpha)    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.03     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Chlorpyrifos (Dursban)  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.01     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | DDT                     | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.13     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Pentachlorophenol (PCP) | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 15.10    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Phenanthrene            | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 7.70     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Heptachlor              | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.05     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Dieldrin                | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.71     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Chlordane               | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.09     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Carbaryl (Sevin)        | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 613.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Aldrin                  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 1.30     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | gamma-BHC (Lindane)     | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.16     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Endrin                  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.04     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Pentachlorophenol (PCP) | 12/1/2003       | 11/30/2010    | 1      | 3.00      | 0        |             | 9.60     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Phenanthrene            | 12/1/2003       | 11/30/2010    | 1      | 2.30      | 0        |             | 4.60     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Toxaphene               | 12/1/2003       | 11/30/2010    | 1      | 0.00      | 0        |             | 0.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0601\_04 Top of last oxbow below Kansas City Southern Railroad bridge to saltwater barrier at NHD RC 12020003000017

**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 |
|-----------------------------------|-------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Chronic Toxic Substances in water | DDT                     | 12/1/2003       | 11/30/2010    | 1      | 0.00      | 0        |             | 0.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water | Endosulfan 1 (alpha)    | 12/1/2003       | 11/30/2010    | 1      | 0.00      | 0        |             | 0.01     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water | Endosulfan 2 (beta)     | 12/1/2003       | 11/30/2010    | 1      | 0.00      | 0        |             | 0.01     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water | Endosulfan sulfate      | 12/1/2003       | 11/30/2010    | 1      | 0.00      | 0        |             | 0.01     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water | Mirex                   | 12/1/2003       | 11/30/2010    | 1      | 0.00      | 0        |             | 0.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water | 2,4,5-Trichlorophenol   | 12/1/2003       | 11/30/2010    | 1      | 2.50      | 0        |             | 12.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water | Methoxychlor            | 12/1/2003       | 11/30/2010    | 1      | 0.02      | 0        |             | 0.03     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water | Malathion               | 12/1/2003       | 11/30/2010    | 1      | 0.01      | 0        |             | 0.01     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water | Heptachlor              | 12/1/2003       | 11/30/2010    | 1      | 0.00      | 0        |             | 0.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water | Guthion                 | 12/1/2003       | 11/30/2010    | 1      | 0.01      | 0        |             | 0.01     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water | Endrin                  | 12/1/2003       | 11/30/2010    | 1      | 0.00      | 0        |             | 0.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water | Dieldrin                | 12/1/2003       | 11/30/2010    | 1      | 0.00      | 0        |             | 0.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water | Demeton                 | 12/1/2003       | 11/30/2010    | 1      | 0.05      | 0        |             | 0.10     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water | Chlordane               | 12/1/2003       | 11/30/2010    | 1      | 0.00      | 0        |             | 0.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water | Chloropyrifos (Dursban) | 12/1/2003       | 11/30/2010    | 1      | 0.00      | 0        |             | 0.01     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Toxic Substances in sediment      | Zinc                    | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 410.00   | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment      | Silver                  | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 3.70     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment      | Nickel                  | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 51.60    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment      | Mercury                 | 12/1/2003       | 11/30/2010    | 25     |           | 0        |             | 0.71     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment      | Lead                    | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 218.00   | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment      | Copper                  | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 270.00   | AD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0601\_04 Top of last oxbow below Kansas City Southern Railroad bridge to saltwater barrier at NHD RC 12020003000017

### 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 |
|------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Toxic Substances in sediment | Arsenic   | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 70.00    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Cadmium   | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 9.60     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Chromium  | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 370.00   | AD      | NC  | <input type="checkbox"/> | NC      |            |     |

### 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 Geomean | Enterococcus | 12/1/2003       | 11/30/2010    | 24     | 51.26     | 1        |             | 35.00    | AD      | NS  | <input type="checkbox"/> | 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      | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 35.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH               | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH               | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 29     |           | 0        |             | 0.46     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 29     |           | 0        |             | 0.46     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 0.66     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 26     |           | 1        | 25.9        | 21.00    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 30     |           | 0        |             | 1.10     | AD      | NC  | <input type="checkbox"/> | 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 | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NS  | <input type="checkbox"/> | NS      | PCBs in edible tissue | 5c  |
| HH Bioaccumulative Toxics in water              | Ethylbenzene           | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 7,143.00 | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | DDE                    | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.01     | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| HH Bioaccumulative Toxics in water              | Vinyl chloride         | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 24.00    | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0601\_04 Top of last oxbow below Kansas City Southern Railroad bridge to saltwater barrier at NHD RC 12020003000017

**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 |
|------------------------------------|----------------------------|-----------------|---------------|--------|-----------|----------|-------------|------------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | 1,1,2-Trichloroethane      | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 295.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | 1,1,1-Trichloroethane      | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 956,663.00 | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Bromoform                  | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 2,175.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Tetrachloroethene          | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 49.00      | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | 1,1,2,2-Tetrachloroethane  | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 76.00      | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | 1,2-Dichloroethane         | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 553.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Dichloromethane            | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 5,926.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | 1,2-Dichloropropane        | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 226.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | 1,1-Dichloroethylene       | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 23,916.00  | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chloroform                 | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 7,143.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Nitrobenzene               | 12/1/2003       | 11/30/2010    | 9      | 2.57      | 0        |             | 463.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Pentachlorobenzene         | 12/1/2003       | 11/30/2010    | 10     | 0.50      | 0        |             | 1.00       | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | 2,4-Dimethylphenol         | 12/1/2003       | 11/30/2010    | 9      | 2.57      | 0        |             | 571.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Toxaphene                  | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.01       | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | o-Dichlorobenzene          | 12/1/2003       | 11/30/2010    | 9      | 2.57      | 0        |             | 4,336.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Chlorobenzene              | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 5,201.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Bis(2-chloroethyl)ether    | 12/1/2003       | 11/30/2010    | 9      | 2.56      | 0        |             | 5.27       | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | m-Dichlorobenzene          | 12/1/2003       | 11/30/2010    | 9      | 2.57      | 0        |             | 1,445.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Silvex                     | 12/1/2003       | 11/30/2010    | 9      | 0.25      | 0        |             | 7.60       | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | 1,2,4,5-Tetrachlorobenzene | 12/1/2003       | 11/30/2010    | 10     | 0.36      | 0        |             | 0.71       | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | N-Nitroso-di-n-butylamine  | 12/1/2003       | 11/30/2010    | 10     | 2.10      | 0        |             | 4.20       | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0601\_04 Top of last oxbow below Kansas City Southern Railroad bridge to saltwater barrier at NHD RC 12020003000017

**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 |
|------------------------------------|-------------------------|-----------------|---------------|--------|-----------|----------|-------------|--------------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | N-Nitrosodiethylamine   | 12/1/2003       | 11/30/2010    | 10     | 1.05      | 0        |             | 2.10         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Methyl ethyl ketone     | 12/1/2003       | 11/30/2010    | 10     | 10.00     | 0        |             | 1,500,000.00 | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Hexachlorophene         | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.01         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Cresols                 | 12/1/2003       | 11/30/2010    | 9      | 5.13      | 0        |             | 1,981.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | 1,2-Dibromoethane       | 12/1/2003       | 11/30/2010    | 10     | 1.07      | 0        |             | 2.13         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Pyridine                | 12/1/2003       | 11/30/2010    | 8      | 2.56      | 0        |             | 2,014.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Chrysene                | 12/1/2003       | 11/30/2010    | 10     | 2.58      | 0        |             | 327.00       | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Acrylonitrile           | 12/1/2003       | 11/30/2010    | 10     | 1.90      | 0        |             | 3.80         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Aldrin                  | 12/1/2003       | 11/30/2010    | 9      | 0.00      | 0        |             | 0.00         | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Benzidine               | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.00         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Benzo(a)anthracene      | 12/1/2003       | 11/30/2010    | 9      | 0.27      | 0        |             | 0.54         | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Benzo(a)pyrene          | 12/1/2003       | 11/30/2010    | 10     | 0.17      | 0        |             | 0.33         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | DDT                     | 12/1/2003       | 11/30/2010    | 9      | 0.00      | 0        |             | 0.01         | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Chromium                | 12/1/2003       | 11/30/2010    | 7      | 2.09      | 0        |             | 502.00       | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Carbon tetrachloride    | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 29.00        | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | DDD                     | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.01         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Dieldrin                | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.00         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Endrin                  | 12/1/2003       | 11/30/2010    | 10     | 0.03      | 0        |             | 0.20         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Heptachlor              | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.00         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Heptachlor epoxide      | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.00         | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Hexachlorobenzene (HCB) | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00         | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0601\_04 Top of last oxbow below Kansas City Southern Railroad bridge to saltwater barrier at NHD RC 12020003000017

**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 |
|---------------------------------------|----------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water    | Pentachlorophenol (PCP)    | 12/1/2003       | 11/30/2010    | 10     | 3.10      | 0        |             | 57.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water    | Chlordane                  | 12/1/2003       | 11/30/2010    | 10     | 0.00      | 0        |             | 0.01     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water    | Hexachlorobutadiene (HCBd) | 12/1/2003       | 11/30/2010    | 9      | 2.57      | 0        |             | 274.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water    | Bromodichloromethane       | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 322.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water    | 2,4,5-Trichlorophenol      | 12/1/2003       | 11/30/2010    | 10     | 2.69      | 0        |             | 2,435.00 | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water    | Dicofol (Kelthane)         | 12/1/2003       | 11/30/2010    | 10     | 0.04      | 0        |             | 0.08     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water    | Di-n-butyl phthalate       | 12/1/2003       | 11/30/2010    | 10     | 2.58      | 0        |             | 3,010.00 | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water    | gamma-BHC (Lindane)        | 12/1/2003       | 11/30/2010    | 10     | 0.05      | 0        |             | 6.20     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water    | Trichloroethene            | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 649.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water    | PCBs                       | 12/1/2003       | 11/30/2010    | 3      | 0.00      | 0        |             | 0.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water    | Methoxychlor               | 12/1/2003       | 11/30/2010    | 10     | 0.04      | 0        |             | 0.33     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water    | Mercury                    | 12/1/2003       | 11/30/2010    | 1      | 0.01      | 0        |             | 0.03     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water    | Lead                       | 12/1/2003       | 11/30/2010    | 7      | 0.71      | 0        |             | 3.83     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water    | Hexachloroethane           | 12/1/2003       | 11/30/2010    | 9      | 2.57      | 0        |             | 62.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water    | Benzene                    | 12/1/2003       | 11/30/2010    | 10     | 2.50      | 0        |             | 513.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Bioaccumulative Toxics in fish tissue | PCBs                       | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.09     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | DDE                        | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 3.63     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | beta-BHC                   | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.85     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Toxaphene                  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.55     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | DDT                        | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 3.52     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Pentachlorophenol (PCP)    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 354.67   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0601\_04 Top of last oxbow below Kansas City Southern Railroad bridge to saltwater barrier at NHD RC 12020003000017

**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 | Nitrobenzene               | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 5.91     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Pyridine                   | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 11.82    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | 1,2,4,5-Tetrachlorobenzene | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 3.55     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Chromium                   | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 5.25     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | BHC-alpha isomer           | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.24     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Cresols                    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 591.11   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | N-Nitrosodiethylamine      | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.01     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Pentachlorobenzene         | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 9.46     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | N-Nitroso-di-n-butylamine  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.29     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Benzidine                  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | DDD                        | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 6.40     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Mercury                    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.53     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Arsenic                    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.04     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Cadmium                    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.23     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Chlordane                  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.30     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Copper                     | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 250.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachloroethane           | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 109.78   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor                 | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.14     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor epoxide         | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.17     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobenzene (HCB)    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.41     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Lead                       | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.60     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0601\_04 Top of last oxbow below Kansas City Southern Railroad bridge to saltwater barrier at NHD RC 12020003000017

**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 | Hexachlorobutadiene (HCBd) | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 7.43     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Aldrin                     | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.09     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Dieldrin                   | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.04     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0601A Star Lake Canal (unclassified water body)**

**AUID 0601A\_01** Entire water body

**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     | 12/1/2003       | 11/30/2010    | 27     |           | 1        | 3.13        | 4.00     | AD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2000       | 11/30/2010    | 9      |           | 2        | 3.5         | 4.00     | LD      | CN  | <input type="checkbox"/> | CN      | depressed dissolved oxygen |     |
| Dissolved Oxygen 24hr minimum         | Dissolved Oxygen 24hr Min | 12/1/2000       | 11/30/2010    | 9      |           | 2        | 2           | 3.00     | LD      | CN  | <input type="checkbox"/> | CN      | depressed dissolved oxygen |     |
| Chronic Toxic Substances in water     | Malathion                 | 12/1/2003       | 11/30/2010    | 4      | 0.01      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Toxic Substances in sediment          | Mercury                   | 12/1/2003       | 11/30/2010    | 25     |           | 0        |             | 0.71     | AD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Toxic Substances in sediment          | Zinc                      | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 410.00   | AD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Toxic Substances in sediment          | Silver                    | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 3.70     | AD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Toxic Substances in sediment          | Nickel                    | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 51.60    | AD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Toxic Substances in sediment          | Copper                    | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 270.00   | AD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Toxic Substances in sediment          | Chromium                  | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 370.00   | AD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Toxic Substances in sediment          | Arsenic                   | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 70.00    | AD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Toxic Substances in sediment          | Cadmium                   | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 9.60     | AD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Toxic Substances in sediment          | Lead                      | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 218.00   | AD      | NC  | <input type="checkbox"/> | NC      |                            |     |

**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 Geomean | Enterococcus | 12/1/2003       | 11/30/2010    | 27     | 105.50    | 1        |             | 35.00    | AD      | NS  | <input type="checkbox"/> | 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 |
|---------------------------|-----------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Nutrient Screening Levels | Orthophosphorus | 12/1/2003       | 11/30/2010    | 25     |           | 0        |             | 0.46     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |

**2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River**

**AUID** 0601A\_01 Entire water body

**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 | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 24     |           | 4        | 28          | 21.00    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 24     |           | 2        | 1.17        | 0.46     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 26     |           | 1        | 1.64        | 1.10     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 0.66     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID**    **0602**    **Neches River Below B. A. Steinhagen Lake**

**AUID**    **0602\_01**    From the saltwater barrier upstream to confluence with Village Creek 0608 at NHD RC 12020003000025

**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 | 12/1/2003       | 11/30/2010    | 28     |           | 1        | 4           | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |                   |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2000       | 11/30/2010    | 15     |           | 0        |             | 568.21   | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2000       | 11/30/2010    | 15     |           | 0        |             | 226.80   | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2000       | 11/30/2010    | 15     |           | 0        |             | 45.88    | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Selenium              | 12/1/2000       | 11/30/2010    | 15     |           | 0        |             | 20.00    | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2000       | 11/30/2010    | 14     |           | 4        | 1313.5      | 991.00   | AD      | NS  | <input type="checkbox"/> | PI      | aluminum in water |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2000       | 11/30/2010    | 14     |           | 0        |             | 18.38    | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2000       | 11/30/2010    | 14     |           | 0        |             | 9.71     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Arsenic               | 12/1/2000       | 11/30/2010    | 15     |           | 0        |             | 360.00   | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2000       | 11/30/2010    | 15     |           | 0        |             | 6.67     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2000       | 11/30/2010    | 14     | 0.47      | 0        |             | 0.48     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2000       | 11/30/2010    | 15     | 2.49      | 0        |             | 34.46    | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2000       | 11/30/2010    | 15     | 3.17      | 0        |             | 51.92    | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2000       | 11/30/2010    | 15     | 0.79      | 0        |             | 4.01     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2000       | 11/30/2010    | 15     | 2.47      | 0        |             | 60.91    | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2000       | 11/30/2010    | 14     | 0.05      | 0        |             | 0.37     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Arsenic               | 12/1/2000       | 11/30/2010    | 15     | 1.89      | 0        |             | 190.00   | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Selenium              | 12/1/2000       | 11/30/2010    | 15     | 0.51      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0602\_01** From the saltwater barrier upstream to confluence with Village Creek 0608 at NHD RC 12020003000025

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 28     | 20.01     | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 32.80    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 28     |           | 1        | 5.94        | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 28     | 90.26     | 0        |             | 200.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 28     | 14.39     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 28     | 20.08     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | 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 |
|---------------------------------------|-------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|--------------------------|-----|
| HH Bioaccumulative Toxics in water    | Cadmium           | 12/1/2003       | 11/30/2010    | 30     | 0.14      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| HH Bioaccumulative Toxics in water    | Chromium          | 12/1/2003       | 11/30/2010    | 29     | 1.40      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| HH Bioaccumulative Toxics in water    | Lead              | 12/1/2003       | 11/30/2010    | 29     | 0.48      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| Bioaccumulative Toxics in fish tissue | BHC-alpha isomer  | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.37     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | PCBs              | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.13     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Pyridine          | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 17.73    | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Benz(a)anthracene | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.32     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Mercury           | 12/1/2003       | 11/30/2010    | 7      |           | 5        | 0.91        | 0.53     | LD      | CS  | <input type="checkbox"/> | CS      | mercury in edible tissue |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0602\_01 From the saltwater barrier upstream to confluence with Village Creek 0608 at NHD RC 12020003000025

**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 | Toxaphene                  | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.83     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | DDT                        | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 5.28     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Pentachlorophenol (PCP)    | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 532.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Nitrobenzene               | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 8.87     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | 1,2,4,5-Tetrachlorobenzene | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 5.32     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Cresols                    | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 886.67   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | N-Nitrosodiethylamine      | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | N-Nitroso-di-n-butylamine  | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.43     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Pentachlorobenzene         | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 14.19    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Selenium                   | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 4.38     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | DDE                        | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 5.45     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Chromium                   | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 5.25     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Lead                       | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.60     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | beta-BHC                   | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 1.28     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Aldrin                     | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.14     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Arsenic                    | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.04     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Benzidine                  | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Benzo(a)pyrene             | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.32     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Chlordane                  | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.30     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Chrysene                   | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.32     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Copper                     | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 250.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0602\_01 From the saltwater barrier upstream to confluence with Village Creek 0608 at NHD RC 12020003000025

**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 | DDD                        | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 9.61     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Dieldrin                   | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.06     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor                 | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.20     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobenzene (HCB)    | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.61     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobutadiene (HCBD) | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 11.14    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachloroethane           | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 164.67   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Cadmium                    | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.23     | LD      | NC  | <input type="checkbox"/> | 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 | Lead      | 12/1/2003       | 11/30/2010    | 29     | 0.48      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 15     | 0.10      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 68     | 0.05      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Barium    | 12/1/2003       | 11/30/2010    | 19     | 191.32    | 0        |             | 2,000.00 | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003       | 11/30/2010    | 29     | 1.36      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003       | 11/30/2010    | 30     | 0.35      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 30     | 0.14      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0602\_02 From the confluence with Village Creek 0608 upstream to the confluence with Black Branch NHD RC 12020003000695

**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 | 12/1/2003       | 11/30/2010    | 26     |           | 5        | 4.3         | 5.00     | AD      | CS  | <input type="checkbox"/> | CS      | depressed dissolved oxygen |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2003       | 11/30/2010    | 17     |           | 0        |             | 19.37    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003       | 11/30/2010    | 17     |           | 0        |             | 47.51    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003       | 11/30/2010    | 17     |           | 0        |             | 588.32   | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2003       | 11/30/2010    | 17     |           | 0        |             | 6.93     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003       | 11/30/2010    | 17     |           | 0        |             | 234.57   | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2003       | 11/30/2010    | 18     |           | 0        |             | 10.17    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Arsenic               | 12/1/2003       | 11/30/2010    | 18     |           | 0        |             | 360.00   | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 17     |           | 0        |             | 991.00   | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Selenium              | 12/1/2003       | 11/30/2010    | 18     |           | 0        |             | 20.00    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Arsenic               | 12/1/2003       | 11/30/2010    | 14     | 2.84      | 0        |             | 190.00   | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2003       | 11/30/2010    | 14     | 0.11      | 0        |             | 0.37     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003       | 11/30/2010    | 13     | 1.65      | 0        |             | 60.91    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2003       | 11/30/2010    | 13     | 1.18      | 0        |             | 4.01     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2003       | 11/30/2010    | 13     | 0.18      | 0        |             | 0.48     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003       | 11/30/2010    | 13     | 2.26      | 0        |             | 51.92    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Selenium              | 12/1/2003       | 11/30/2010    | 14     | 0.55      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003       | 11/30/2010    | 13     | 2.00      | 0        |             | 34.46    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0602\_02 From the confluence with Village Creek 0608 upstream to the confluence with Black Branch NHD RC 12020003000695

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 17     | 25.06     | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 24     |           | 0        |             | 32.80    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 24     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 24     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 35     | 100.41    | 0        |             | 200.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 34     | 15.15     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 34     | 17.77     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 25     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 26     |           | 6        | 17.62       | 14.10    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | 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 | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NS  | <input type="checkbox"/> | NS      | mercury in edible tissue | 5c  |
| HH Bioaccumulative Toxics in water              | Lead                   | 12/1/2003       | 11/30/2010    | 29     | 0.48      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| HH Bioaccumulative Toxics in water              | Cadmium                | 12/1/2003       | 11/30/2010    | 30     | 0.14      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| HH Bioaccumulative Toxics in water              | Chromium               | 12/1/2003       | 11/30/2010    | 29     | 1.40      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| Bioaccumulative Toxics in fish tissue           | PCBs                   | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.13     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue           | Selenium               | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 4.38     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0602\_02 From the confluence with Village Creek 0608 upstream to the confluence with Black Branch NHD RC 12020003000695

**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 | Benz(a)anthracene          | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.32     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | beta-BHC                   | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 1.28     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Mercury                    | 12/1/2003       | 11/30/2010    | 7      |           | 5        | 0.91        | 0.53     | LD      | CS  | <input type="checkbox"/> | CS      | mercury in edible tissue |     |
| Bioaccumulative Toxics in fish tissue | Toxaphene                  | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.83     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | DDT                        | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 5.28     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Pentachlorophenol (PCP)    | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 532.00   | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Nitrobenzene               | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 8.87     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | DDE                        | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 5.45     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Lead                       | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.60     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | BHC-alpha isomer           | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.37     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Chromium                   | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 5.25     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Cresols                    | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 886.67   | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | 1,2,4,5-Tetrachlorobenzene | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 5.32     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Hexachloroethane           | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 164.67   | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobutadiene (HCBd) | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 11.14    | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobenzene (HCB)    | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.61     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor                 | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.20     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Dieldrin                   | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.06     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | DDD                        | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 9.61     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Chrysene                   | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.32     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Chlordane                  | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.30     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0602\_02 From the confluence with Village Creek 0608 upstream to the confluence with Black Branch NHD RC 12020003000695

### 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 | Cadmium                   | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.23     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Benzo(a)pyrene            | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.32     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Benzidine                 | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Arsenic                   | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.04     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Aldrin                    | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.14     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Pentachlorobenzene        | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 14.19    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Copper                    | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 250.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | N-Nitroso-di-n-butylamine | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.43     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Pyridine                  | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 17.73    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | N-Nitrosodiethylamine     | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | 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 | Lead      | 12/1/2003       | 11/30/2010    | 29     | 0.48      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 68     | 0.05      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 15     | 0.10      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 30     | 0.14      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Barium    | 12/1/2003       | 11/30/2010    | 19     | 191.32    | 0        |             | 2,000.00 | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003       | 11/30/2010    | 29     | 1.36      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003       | 11/30/2010    | 30     | 0.35      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0602\_03 From the confluence with Black Branch upstream to confluence with unnamed tributary at NHD RC 12020003000058

**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 | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |                   |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 12.32    | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2000       | 11/30/2010    | 14     |           | 0        |             | 54.88    | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Selenium              | 12/1/2000       | 11/30/2010    | 14     |           | 0        |             | 20.00    | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2000       | 11/30/2010    | 14     |           | 0        |             | 679.44   | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 24.06    | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2000       | 11/30/2010    | 14     |           | 0        |             | 269.65   | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Arsenic               | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 360.00   | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2000       | 11/30/2010    | 13     |           | 5        | 1219.2      | 991.00   | AD      | NS  | <input type="checkbox"/> | PI      | aluminum in water |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2000       | 11/30/2010    | 14     |           | 0        |             | 8.14     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Arsenic               | 12/1/2000       | 11/30/2010    | 13     | 1.91      | 0        |             | 190.00   | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2000       | 11/30/2010    | 13     | 0.12      | 0        |             | 0.37     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2000       | 11/30/2010    | 14     | 2.61      | 0        |             | 60.91    | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2000       | 11/30/2010    | 14     | 0.78      | 0        |             | 4.01     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2000       | 11/30/2010    | 13     | 0.44      | 0        |             | 0.48     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2000       | 11/30/2010    | 14     | 3.23      | 0        |             | 51.92    | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Selenium              | 12/1/2000       | 11/30/2010    | 14     | 0.52      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2000       | 11/30/2010    | 14     | 2.29      | 0        |             | 34.46    | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0602\_03 From the confluence with Black Branch upstream to confluence with unnamed tributary at NHD RC 12020003000058

### 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 26     | 10.46     | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 32.80    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 27     | 96.87     | 0        |             | 200.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 27     | 14.35     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 27     | 21.66     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | 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 | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NS  | <input type="checkbox"/> | NS      | mercury in edible tissue | 5c  |
| HH Bioaccumulative Toxics in water              | Lead                   | 12/1/2003       | 11/30/2010    | 29     | 0.48      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| HH Bioaccumulative Toxics in water              | Cadmium                | 12/1/2003       | 11/30/2010    | 30     | 0.14      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| HH Bioaccumulative Toxics in water              | Chromium               | 12/1/2003       | 11/30/2010    | 29     | 1.40      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| Bioaccumulative Toxics in fish tissue           | Nitrobenzene           | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 8.87     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue           | Benz(a)anthracene      | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.32     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue           | Pyridine               | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 17.73    | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue           | beta-BHC               | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 1.28     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0602\_03** From the confluence with Black Branch upstream to confluence with unnamed tributary at NHD RC 12020003000058

**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 | Selenium                   | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 4.38     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Toxaphene                  | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.83     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | DDT                        | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 5.28     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Pentachlorophenol (PCP)    | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 532.00   | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | DDE                        | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 5.45     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | 1,2,4,5-Tetrachlorobenzene | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 5.32     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | BHC-alpha isomer           | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.37     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Cresols                    | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 886.67   | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | N-Nitrosodiethylamine      | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Pentachlorobenzene         | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 14.19    | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | DDD                        | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 9.61     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | PCBs                       | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.13     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | N-Nitroso-di-n-butylamine  | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.43     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Chlordane                  | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.30     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Mercury                    | 12/1/2003       | 11/30/2010    | 7      |           | 5        | 0.91        | 0.53     | LD      | CS  | <input type="checkbox"/> | CS      | mercury in edible tissue |     |
| Bioaccumulative Toxics in fish tissue | Arsenic                    | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.04     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Benzidine                  | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor                 | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.20     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Cadmium                    | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.23     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Chromium                   | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 5.25     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Chrysene                   | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.32     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0602\_03 From the confluence with Black Branch upstream to confluence with unnamed tributary at NHD RC 12020003000058

### 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 | Hexachloroethane           | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 164.67   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Lead                       | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.60     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Dieldrin                   | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.06     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Aldrin                     | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.14     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobenzene (HCB)    | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.61     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobutadiene (HCBD) | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 11.14    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Copper                     | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 250.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Benzo(a)pyrene             | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.32     | LD      | NC  | <input type="checkbox"/> | 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   | 12/1/2003       | 11/30/2010    | 68     | 0.05      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 29     | 0.48      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 15     | 0.10      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 30     | 0.14      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003       | 11/30/2010    | 29     | 1.36      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003       | 11/30/2010    | 30     | 0.35      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Barium    | 12/1/2003       | 11/30/2010    | 19     | 191.32    | 0        |             | 2,000.00 | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0602\_04** From the confluence with unnamed tributary at NHD RC 12020003000058 upstream to Town Bluff Dam

**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 |
|------------------|------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Dissolved Solids | Sulfate                | 12/1/2003       | 11/30/2010    | 34     | 17.77     |          |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 35     | 100.41    |          |             | 200.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids | Chloride               | 12/1/2003       | 11/30/2010    | 34     | 15.15     |          |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**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     | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NS  | <input type="checkbox"/> | NS      | mercury in edible tissue | 5c  |
| HH Bioaccumulative Toxics in water              | Cadmium                    | 12/1/2003       | 11/30/2010    | 30     | 0.14      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| HH Bioaccumulative Toxics in water              | Chromium                   | 12/1/2003       | 11/30/2010    | 29     | 1.40      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| HH Bioaccumulative Toxics in water              | Lead                       | 12/1/2003       | 11/30/2010    | 29     | 0.48      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| Bioaccumulative Toxics in fish tissue           | N-Nitrosodiethylamine      | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue           | Selenium                   | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 4.38     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue           | Benz(a)anthracene          | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.32     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue           | beta-BHC                   | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 1.28     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue           | Toxaphene                  | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.83     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue           | DDT                        | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 5.28     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue           | Pentachlorophenol (PCP)    | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 532.00   | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue           | Nitrobenzene               | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 8.87     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue           | DDE                        | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 5.45     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue           | 1,2,4,5-Tetrachlorobenzene | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 5.32     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue           | Cresols                    | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 886.67   | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue           | N-Nitroso-di-n-butylamine  | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.43     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0602\_04 From the confluence with unnamed tributary at NHD RC 12020003000058 upstream to Town Bluff Dam

**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 | Pentachlorobenzene         | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 14.19    | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Pyridine                   | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 17.73    | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | PCBs                       | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.13     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Benzidine                  | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | BHC-alpha isomer           | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.37     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Copper                     | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 250.00   | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Cadmium                    | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.23     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Arsenic                    | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.04     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Mercury                    | 12/1/2003       | 11/30/2010    | 7      |           | 5        | 0.91        | 0.53     | LD      | CS  | <input type="checkbox"/> | CS      | mercury in edible tissue |     |
| Bioaccumulative Toxics in fish tissue | Benzo(a)pyrene             | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.32     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Aldrin                     | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.14     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Chlordane                  | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.30     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Chrysene                   | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.32     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | DDD                        | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 9.61     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Dieldrin                   | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.06     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor                 | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.20     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobenzene (HCB)    | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.61     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobutadiene (HCBD) | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 11.14    | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Hexachloroethane           | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 164.67   | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Lead                       | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.60     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Chromium                   | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 5.25     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0602\_04 From the confluence with unnamed tributary at NHD RC 12020003000058 upstream to Town Bluff Dam

**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 | Fluoride  | 12/1/2003       | 11/30/2010    | 15     | 0.10      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 29     | 0.48      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003       | 11/30/2010    | 30     | 0.35      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 30     | 0.14      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Barium    | 12/1/2003       | 11/30/2010    | 19     | 191.32    | 0        |             | 2,000.00 | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003       | 11/30/2010    | 29     | 1.36      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 68     | 0.05      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID**    0603    B. A. Steinhagen Lake

**AUID**    0603\_01    Main pool by dam to include all the area below the US HWY 190 bridge

**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 | 12/1/2003       | 11/30/2010    | 26     |           | 1        | 4.9         | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 27     | 9.87      | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 27     |           | 1        | 34.8        | 33.90    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 28     | 113.26    | 0        |             | 200.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 28     | 16.21     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 28     | 19.54     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 27     |           | 3        | 0.12        | 0.05     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 0.11     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 28     |           | 1        | 0.36        | 0.20     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 26.70    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0603\_01** Main pool by dam to include all the area below the US HWY 190 bridge

**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 | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NS  | <input type="checkbox"/> | NS      | mercury in edible tissue | 5c  |

**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   | 12/1/2003       | 11/30/2010    | 27     | 0.05      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 28     | 0.11      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**AUID** **0603\_02** Area above the US HWY 190 bridge to the upper boundaries of the segment at points immediately upstream of confluences Hopson Mill Creek (Neches Arm) and Indian Creek (Angelina Arm)

**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 |
|------------------|------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Dissolved Solids | Sulfate                | 12/1/2003       | 11/30/2010    | 28     | 19.54     |          |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 28     | 113.26    |          |             | 200.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids | Chloride               | 12/1/2003       | 11/30/2010    | 28     | 16.21     |          |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**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 | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NS  | <input type="checkbox"/> | NS      | mercury in edible tissue | 5c  |

**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 | Fluoride  | 12/1/2003       | 11/30/2010    | 28     | 0.11      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 27     | 0.05      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0603A Sandy Creek in Jasper County (unclassified water body)**

**AUID 0603A\_01** From the confluence with B.A. Steinhagen Lake upstream to confluence with Little Sandy Creek about 0.5 km downstream of Hwy 776, per WQS App. D

**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 | 12/1/2003       | 11/30/2010    | 30     |           | 1        | 1.6         | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 30     |           | 1        | 1.6         | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 2.63     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 17.19    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Selenium              | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 20.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 213.25   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 4.21     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 87.82    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Arsenic               | 12/1/2003       | 11/30/2010    | 19     |           | 0        |             | 360.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 19     |           | 0        |             | 991.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2003       | 11/30/2010    | 19     |           | 0        |             | 10.45    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003       | 11/30/2010    | 20     | 1.55      | 0        |             | 62.76    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Selenium              | 12/1/2003       | 11/30/2010    | 21     | 0.17      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003       | 11/30/2010    | 20     | 1.83      | 0        |             | 53.55    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003       | 11/30/2010    | 20     | 4.35      | 0        |             | 35.54    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2003       | 11/30/2010    | 20     | 0.06      | 0        |             | 0.38     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Arsenic               | 12/1/2003       | 11/30/2010    | 19     | 0.91      | 0        |             | 190.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2003       | 11/30/2010    | 20     | 0.23      | 0        |             | 0.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2003       | 11/30/2010    | 19     | 0.98      | 0        |             | 19.33    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0603A\_01 From the confluence with B.A. Steinhagen Lake upstream to confluence with Little Sandy Creek about 0.5 km downstream of Hwy 776, per WQS App. D

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 28     | 177.79    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | 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 |
|---------------------------|------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 27     |           | 1        | 0.52        | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 20     | 1.55      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 20     | 0.26      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**AUID** 0603A\_02 From the confluence with Little Sandy Creek upstream to headwaters at Rec Road 255

**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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 20     | 0.26      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 20     | 1.55      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0603B Wolf Creek (unclassified water body)**

**AUID 0603B\_01** From the confluence of B.A. Steinhagen Lake upstream to the Lake Amanda dam.

**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 | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Arsenic               | 12/1/2003       | 11/30/2010    | 9      |           | 0        |             | 360.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 24.22    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Selenium              | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 20.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 300.31   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 7.04     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 4.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 122.33   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 9      |           | 1        | 1003        | 991.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 3.28     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Arsenic               | 12/1/2003       | 11/30/2010    | 9      | 0.64      | 0        |             | 190.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2003       | 11/30/2010    | 10     | 0.05      | 0        |             | 0.38     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003       | 11/30/2010    | 10     | 0.95      | 0        |             | 62.76    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2003       | 11/30/2010    | 10     | 0.32      | 0        |             | 4.14     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2003       | 11/30/2010    | 10     | 0.25      | 0        |             | 0.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003       | 11/30/2010    | 10     | 0.98      | 0        |             | 53.55    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Selenium              | 12/1/2003       | 11/30/2010    | 10     | 0.22      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003       | 11/30/2010    | 10     | 1.56      | 0        |             | 35.54    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0603B\_01 From the confluence of B.A. Steinhagen Lake upstream to the Lake Amanda dam.

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 28     | 204.64    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | 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 |
|---------------------------|------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 0.33     | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 10     | 0.95      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 10     | 0.25      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**AUID** 0603B\_02 From the confluence with Lake Amanda upstream to the headwaters

**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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 10     | 0.95      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 10     | 0.25      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0604 Neches River Below Lake Palestine**

**AUID 0604\_01** Lower boundary to a point immediately upstream of confluence of Biloxi Creek 0604M at NHD RC 12020002001061

**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 | 12/1/2003       | 11/30/2010    | 55     |           | 2        | 4.63        | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 55     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 15.67    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 41.26    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 511.12   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 991.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 204.70   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Arsenic               | 12/1/2000       | 11/30/2010    | 10     |           | 0        |             | 360.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 8.43     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2000       | 11/30/2010    | 13     |           | 1        | 10.1        | 5.93     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2000       | 11/30/2010    | 13     | 2.58      | 0        |             | 66.23    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2000       | 11/30/2010    | 13     | 4.20      | 0        |             | 43.97    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2000       | 11/30/2010    | 13     | 0.19      | 0        |             | 0.69     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2000       | 11/30/2010    | 13     | 2.52      | 0        |             | 5.13     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2000       | 11/30/2010    | 13     | 0.33      | 0        |             | 77.10    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2000       | 11/30/2010    | 13     | 0.03      | 0        |             | 0.46     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Arsenic               | 12/1/2000       | 11/30/2010    | 10     | 1.05      | 0        |             | 190.00   | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 25     | 55.93     | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0604\_01** Lower boundary to a point immediately upstream of confluence of Biloxi Creek 0604M at NHD RC 12020002001061

**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            | 12/1/2003       | 11/30/2010    | 59     |           | 0        |             | 32.80    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 57     |           | 1        | 8.7         | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 57     |           | 2        | 5.89        | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 197    | 23.17     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 222    | 152.19    | 0        |             | 200.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 197    | 24.74     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 27     |           | 6        | 23.33       | 14.10    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 27     |           | 2        | 1.6         | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 48     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 49     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 49     |           | 15       | 0.83        | 0.33     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia    |     |

**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  | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NS  | <input type="checkbox"/> | NS      | mercury in edible tissue | 5c  |
| HH Bioaccumulative Toxics in water              | Antimony                | 12/1/2003       | 11/30/2010    | 3      | 0.08      | 0        |             | 6.00     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| HH Bioaccumulative Toxics in water              | Lead                    | 12/1/2003       | 11/30/2010    | 9      | 0.18      | 0        |             | 1.15     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| HH Bioaccumulative Toxics in water              | Chromium                | 12/1/2003       | 11/30/2010    | 5      | 1.01      | 0        |             | 62.00    | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| HH Bioaccumulative Toxics in water              | Cadmium                 | 12/1/2003       | 11/30/2010    | 5      | 0.03      | 0        |             | 5.00     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue           | Nickel                  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 35.00    | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue           | Hexachlorobenzene (HCB) | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.61     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue           | PCBs                    | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.13     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0604\_01** Lower boundary to a point immediately upstream of confluence of Biloxi Creek 0604M at NHD RC 12020002001061

**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 | Toxaphene          | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.83     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Mirex              | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.04     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Mercury            | 12/1/2003       | 11/30/2010    | 4      |           | 2        | 0.55        | 0.53     | LD      | CS  | <input type="checkbox"/> | CS      | mercury in edible tissue |     |
| Bioaccumulative Toxics in fish tissue | Lead               | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 0.60     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Zinc               | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 525.00   | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor         | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.20     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Dieldrin           | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.06     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Copper             | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 250.00   | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Chromium           | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 5.25     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Cadmium            | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 0.23     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Arsenic            | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 0.04     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Aldrin             | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.14     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Selenium           | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 4.38     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor epoxide | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.25     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |

**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 | Fluoride  | 12/1/2003       | 11/30/2010    | 124    | 0.12      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Antimony  | 12/1/2003       | 11/30/2010    | 3      | 0.08      | 0        |             | 6.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 9      | 0.18      | 0        |             | 1.15     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 5      | 0.03      | 0        |             | 5.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Barium    | 12/1/2003       | 11/30/2010    | 3      | 43.33     | 0        |             | 2,000.00 | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

**2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River**

**AUID** 0604\_01 Lower boundary to a point immediately upstream of confluence of Biloxi Creek 0604M at NHD RC 12020002001061

**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 | Arsenic   | 12/1/2003       | 11/30/2010    | 5      | 1.12      | 0        |             | 10.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 160    | 0.16      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0604\_02 From the confluence of Biloxi Creek (0604M) upstream to the upper confluence of Old River at NHD RC 12020002000037

### 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 | 12/1/2003       | 11/30/2010    | 27     |           | 2        | 4.29        | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 25     | 67.49     | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 32.80    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 222    | 152.19    | 0        |             | 200.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 197    | 24.74     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 197    | 23.17     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 27     |           | 7        | 18.99       | 14.10    | AD      | NC  | <input type="checkbox"/> | 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 | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NS  | <input type="checkbox"/> | NS      | mercury in edible tissue | 5c  |
| HH Bioaccumulative Toxics in water              | Antimony               | 12/1/2003       | 11/30/2010    | 3      | 0.08      | 0        |             | 6.00     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0604\_02 From the confluence of Biloxi Creek (0604M) upstream to the upper confluence of Old River at NHD RC 12020002000037

**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 |
|---------------------------------------|-------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|--------------------------|-----|
| HH Bioaccumulative Toxics in water    | Lead                    | 12/1/2003       | 11/30/2010    | 9      | 0.18      | 0        |             | 1.15     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| HH Bioaccumulative Toxics in water    | Chromium                | 12/1/2003       | 11/30/2010    | 5      | 1.01      | 0        |             | 62.00    | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| HH Bioaccumulative Toxics in water    | Cadmium                 | 12/1/2003       | 11/30/2010    | 5      | 0.03      | 0        |             | 5.00     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Selenium                | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 4.38     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobenzene (HCB) | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.61     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | PCBs                    | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.13     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Nickel                  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 35.00    | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Mirex                   | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.04     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Mercury                 | 12/1/2003       | 11/30/2010    | 4      |           | 2        | 0.55        | 0.53     | LD      | CS  | <input type="checkbox"/> | CS      | mercury in edible tissue |     |
| Bioaccumulative Toxics in fish tissue | Lead                    | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 0.60     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Zinc                    | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 525.00   | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor              | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.20     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Dieldrin                | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.06     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Copper                  | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 250.00   | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Chromium                | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 5.25     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Cadmium                 | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 0.23     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Toxaphene               | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.83     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Arsenic                 | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 0.04     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Aldrin                  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.14     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor epoxide      | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.25     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0604\_02 From the confluence of Biloxi Creek (0604M) upstream to the upper confluence of Old River at NHD RC 12020002000037

**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   | 12/1/2003       | 11/30/2010    | 160    | 0.16      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Antimony  | 12/1/2003       | 11/30/2010    | 3      | 0.08      | 0        |             | 6.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 9      | 0.18      | 0        |             | 1.15     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 5      | 0.03      | 0        |             | 5.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Barium    | 12/1/2003       | 11/30/2010    | 3      | 43.33     | 0        |             | 2,000.00 | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003       | 11/30/2010    | 5      | 1.12      | 0        |             | 10.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 124    | 0.12      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0604\_03 From the upper confluence of Old River upstream to the confluence with Cedar Creek in Cherokee County at NHD RC 12020002000085 near Hargrove Lake

### 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 | 12/1/2003       | 11/30/2010    | 27     |           | 2        | 4.59        | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 24     | 78.01     | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 32.80    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 197    | 24.74     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 197    | 23.17     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 222    | 152.19    | 0        |             | 200.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 27     |           | 6        | 22.23       | 14.10    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | 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 | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NS  | <input type="checkbox"/> | NS      | mercury in edible tissue | 5c  |
| HH Bioaccumulative Toxics in water              | Cadmium                | 12/1/2003       | 11/30/2010    | 5      | 0.03      | 0        |             | 5.00     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0604\_03 From the upper confluence of Old River upstream to the confluence with Cedar Creek in Cherokee County at NHD RC 12020002000085 near Hargrove Lake

**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 |
|---------------------------------------|-------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|--------------------------|-----|
| HH Bioaccumulative Toxics in water    | Chromium                | 12/1/2003       | 11/30/2010    | 5      | 1.01      | 0        |             | 62.00    | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| HH Bioaccumulative Toxics in water    | Lead                    | 12/1/2003       | 11/30/2010    | 9      | 0.18      | 0        |             | 1.15     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| HH Bioaccumulative Toxics in water    | Antimony                | 12/1/2003       | 11/30/2010    | 3      | 0.08      | 0        |             | 6.00     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor epoxide      | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.25     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Toxaphene               | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.83     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Zinc                    | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 525.00   | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Selenium                | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 4.38     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | PCBs                    | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.13     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Nickel                  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 35.00    | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Mirex                   | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.04     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Mercury                 | 12/1/2003       | 11/30/2010    | 4      |           | 2        | 0.55        | 0.53     | LD      | CS  | <input type="checkbox"/> | CS      | mercury in edible tissue |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobenzene (HCB) | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.61     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor              | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.20     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Dieldrin                | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.06     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Copper                  | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 250.00   | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Chromium                | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 5.25     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Cadmium                 | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 0.23     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Arsenic                 | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 0.04     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Aldrin                  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.14     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Lead                    | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 0.60     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0604\_03 From the upper confluence of Old River upstream to the confluence with Cedar Creek in Cherokee County at NHD RC 12020002000085 near Hargrove Lake

**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 | Lead      | 12/1/2003       | 11/30/2010    | 9      | 0.18      | 0        |             | 1.15     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003       | 11/30/2010    | 5      | 1.12      | 0        |             | 10.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 160    | 0.16      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Antimony  | 12/1/2003       | 11/30/2010    | 3      | 0.08      | 0        |             | 6.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Barium    | 12/1/2003       | 11/30/2010    | 3      | 43.33     | 0        |             | 2,000.00 | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 124    | 0.12      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 5      | 0.03      | 0        |             | 5.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0604\_04

From the confluence with Cedar Creek in Cherokee County near Hargrove lake upstream to the confluence with Beech Creek in Anderson County at NHD RC 12020001006717

**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 | 12/1/2003       | 11/30/2010    | 28     |           | 2        | 4.45        | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2000       | 11/30/2010    | 7      |           | 0        |             | 27.79    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 24     | 92.66     | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 32.80    | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 27     |           | 1        | 5.9         | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 197    | 23.17     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 222    | 152.19    | 0        |             | 200.00   | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 197    | 24.74     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 26     |           | 12       | 20          | 14.10    | AD      | CS  | <input type="checkbox"/> | CS      | chlorophyll-a |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 25     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 25     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0604\_04**

From the confluence with Cedar Creek in Cherokee County near Hargrove lake upstream to the confluence with Beech Creek in Anderson County at NHD RC  
12020001006717

**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 |
|---------------------------------------|-------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water    | Antimony                | 12/1/2003       | 11/30/2010    | 3      | 0.08      | 0        |             | 6.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water    | Lead                    | 12/1/2003       | 11/30/2010    | 9      | 0.18      | 0        |             | 1.15     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water    | Chromium                | 12/1/2003       | 11/30/2010    | 5      | 1.01      | 0        |             | 62.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water    | Cadmium                 | 12/1/2003       | 11/30/2010    | 5      | 0.03      | 0        |             | 5.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobenzene (HCB) | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.61     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Toxaphene               | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.83     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Zinc                    | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 525.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Selenium                | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 4.38     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | PCBs                    | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.13     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Nickel                  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 35.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Mirex                   | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.04     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Lead                    | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 0.60     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor epoxide      | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.25     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor              | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.20     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Dieldrin                | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.06     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Copper                  | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 250.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Chromium                | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 5.25     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Cadmium                 | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 0.23     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Arsenic                 | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 0.04     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Aldrin                  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.14     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0604\_04

From the confluence with Cedar Creek in Cherokee County near Hargrove lake upstream to the confluence with Beech Creek in Anderson County at NHD RC 12020001006717

**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 | Mercury   | 12/1/2003       | 11/30/2010    | 4      |           | 2        | 0.55        | 0.53     | LD      | CS  | <input type="checkbox"/> | CS      | mercury in edible tissue |     |

**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 | Cadmium   | 12/1/2003       | 11/30/2010    | 5      | 0.03      | 0        |             | 5.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 160    | 0.16      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Antimony  | 12/1/2003       | 11/30/2010    | 3      | 0.08      | 0        |             | 6.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003       | 11/30/2010    | 5      | 1.12      | 0        |             | 10.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 9      | 0.18      | 0        |             | 1.15     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Barium    | 12/1/2003       | 11/30/2010    | 3      | 43.33     | 0        |             | 2,000.00 | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 124    | 0.12      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0604\_05 From the confluence with Beech Creek in Anderson County upstream to the Blackburn Crossing Dam

### 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     | 12/1/2003       | 11/30/2010    | 62     |           | 7        | 4.3         | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2003       | 11/30/2010    | 62     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2003       | 11/30/2010    | 20     |           | 2        | 4.4         | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Oxygen 24hr minimum         | Dissolved Oxygen 24hr Min | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 51     | 73.93     | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 62     |           | 0        |             | 32.80    | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 60     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 60     |           | 2        | 5.7         | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 197    | 24.74     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 197    | 23.17     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 222    | 152.19    | 0        |             | 200.00   | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 66     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 67     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 66     |           | 1        | 0.37        | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 49     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 50     |           | 31       | 23.75       | 14.10    | AD      | CS  | <input type="checkbox"/> | CS      | chlorophyll-a |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0604\_05** From the confluence with Beech Creek in Anderson County upstream to the Blackburn Crossing Dam

**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 |
|---------------------------------------|-------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|--------------------------|-----|
| HH Bioaccumulative Toxics in water    | Lead                    | 12/1/2003       | 11/30/2010    | 9      | 0.18      | 0        |             | 1.15     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| HH Bioaccumulative Toxics in water    | Antimony                | 12/1/2003       | 11/30/2010    | 3      | 0.08      | 0        |             | 6.00     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| HH Bioaccumulative Toxics in water    | Chromium                | 12/1/2003       | 11/30/2010    | 5      | 1.01      | 0        |             | 62.00    | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| HH Bioaccumulative Toxics in water    | Cadmium                 | 12/1/2003       | 11/30/2010    | 5      | 0.03      | 0        |             | 5.00     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobenzene (HCB) | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.61     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Aldrin                  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.14     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Toxaphene               | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.83     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Zinc                    | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 525.00   | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Selenium                | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 4.38     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | PCBs                    | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.13     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Nickel                  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 35.00    | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Mirex                   | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.04     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Lead                    | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 0.60     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor epoxide      | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.25     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor              | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.20     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Dieldrin                | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.06     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Copper                  | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 250.00   | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Chromium                | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 5.25     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Cadmium                 | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 0.23     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Arsenic                 | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 0.04     | LD      | NC  | <input type="checkbox"/> | NC      |                          |     |
| Bioaccumulative Toxics in fish tissue | Mercury                 | 12/1/2003       | 11/30/2010    | 4      |           | 2        | 0.55        | 0.53     | LD      | CS  | <input type="checkbox"/> | CS      | mercury in edible tissue |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0604\_05 From the confluence with Beech Creek in Anderson County upstream to the Blackburn Crossing Dam

**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 | Fluoride  | 12/1/2003       | 11/30/2010    | 124    | 0.12      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 9      | 0.18      | 0        |             | 1.15     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Antimony  | 12/1/2003       | 11/30/2010    | 3      | 0.08      | 0        |             | 6.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 5      | 0.03      | 0        |             | 5.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Barium    | 12/1/2003       | 11/30/2010    | 3      | 43.33     | 0        |             | 2,000.00 | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003       | 11/30/2010    | 5      | 1.12      | 0        |             | 10.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 160    | 0.16      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River**

**SEGID 0604A Cedar Creek (unclassified water body)**

**AUID 0604A\_01** From the confluence with the Neches River upstream to the confluence with Jack Creek (0604C)

**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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 11     | 1.48      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 12     | 0.53      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0604A\_02

From the confluence with Jack Creek (0604C) upstream to confluence with unnamed tributary adjacent to State Loop 287, per App. D in WQS, at NHD RC 12020002000436

**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 | 12/1/2003       | 11/30/2010    | 55     |           | 4        | 2.23        | 4.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 55     |           | 2        | 0.95        | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2000       | 11/30/2010    | 11     |           | 0        |             | 340.22   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 69.79    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Selenium              | 12/1/2000       | 11/30/2010    | 5      |           | 0        |             | 20.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 863.83   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2000       | 11/30/2010    | 13     |           | 1        | 13          | 10.63    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 16.97    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Arsenic               | 12/1/2000       | 11/30/2010    | 3      |           | 0        |             | 360.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2000       | 11/30/2010    | 11     |           | 1        | 2700        | 991.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2000       | 11/30/2010    | 12     |           | 0        |             | 34.53    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2000       | 11/30/2010    | 13     | 16.86     | 0        |             | 35.54    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Arsenic               | 12/1/2000       | 11/30/2010    | 3      | 1.08      | 0        |             | 190.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2000       | 11/30/2010    | 13     | 0.16      | 0        |             | 0.38     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2000       | 11/30/2010    | 11     | 1.48      | 0        |             | 62.76    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2000       | 11/30/2010    | 13     | 4.05      | 0        |             | 4.14     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2000       | 11/30/2010    | 12     | 0.43      | 0        |             | 0.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2000       | 11/30/2010    | 13     | 5.25      | 0        |             | 53.55    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Selenium              | 12/1/2000       | 11/30/2010    | 5      | 0.48      | 0        |             | 5.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0604A\_02

From the confluence with Jack Creek (0604C) upstream to confluence with unnamed tributary adjacent to State Loop 287, per App. D in WQS, at NHD RC 12020002000436

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 55     | 164.52    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | NS      | bacteria   | 5b  |

**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 | Nitrate          | 12/1/2003       | 11/30/2010    | 56     |           | 27       | 11.69       | 1.95     | AD      | CS  | <input type="checkbox"/> | CS      | nitrate          |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 53     |           | 27       | 3           | 0.37     | AD      | CS  | <input type="checkbox"/> | CS      | orthophosphorus  |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 56     |           | 31       | 0.63        | 0.33     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia          |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 56     |           | 29       | 3.4         | 0.69     | AD      | CS  | <input type="checkbox"/> | CS      | total phosphorus |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 54     |           | 3        | 31.17       | 14.10    | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2000       | 11/30/2010    | 11     | 1.48      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2000       | 11/30/2010    | 12     | 0.53      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0604B Hurricane Creek (unclassified water body)**

**AUID 0604B\_01**

From the confluence with Cedar Creek (0604A) upstream to confluence with unnamed tributary 100m above State Loop 287 in Lufkin, per WQS App. D, at NHD RC 12020002000043

**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 | 12/1/2003       | 11/30/2010    | 29     |           | 4        | 3.58        | 4.00     | AD      | CS  | <input type="checkbox"/>            | CS      | depressed dissolved oxygen |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 29     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 6      |           | 0        |             | 991.00   | LD      | NC  | <input type="checkbox"/>            | NC      |                            |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003       | 11/30/2010    | 6      |           | 0        |             | 223.22   | LD      | NC  | <input type="checkbox"/>            | NC      |                            |     |
| Acute Toxic Substances in water       | Selenium              | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 20.00    | ID      | NA  | <input type="checkbox"/>            | NA      |                            |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003       | 11/30/2010    | 6      |           | 0        |             | 2,757.85 | LD      | NC  | <input type="checkbox"/>            | NC      |                            |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2003       | 11/30/2010    | 6      |           | 0        |             | 198.03   | LD      | NC  | <input type="checkbox"/>            | NC      |                            |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2003       | 11/30/2010    | 6      |           | 0        |             | 38.73    | LD      | NC  | <input type="checkbox"/>            | NC      |                            |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003       | 11/30/2010    | 6      |           | 0        |             | 1,046.67 | LD      | NC  | <input type="checkbox"/>            | NC      |                            |     |
| Acute Toxic Substances in water       | Arsenic               | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 360.00   | ID      | NA  | <input type="checkbox"/>            | NA      |                            |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2003       | 11/30/2010    | 6      |           | 0        |             | 19.32    | LD      | NC  | <input type="checkbox"/>            | NC      |                            |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003       | 11/30/2010    | 6      | 3.63      | 0        |             | 53.55    | LD      | NC  | <input type="checkbox"/>            | NC      |                            |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2003       | 11/30/2010    | 6      | 0.10      | 0        |             | 0.38     | LD      | NC  | <input type="checkbox"/>            | NC      |                            |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003       | 11/30/2010    | 6      | 5.18      | 0        |             | 35.54    | LD      | NC  | <input type="checkbox"/>            | NC      |                            |     |
| Chronic Toxic Substances in water     | Selenium              | 12/1/2003       | 11/30/2010    | 3      | 0.13      | 0        |             | 5.00     | ID      | NA  | <input type="checkbox"/>            | NA      |                            |     |
| Chronic Toxic Substances in water     | Arsenic               | 12/1/2003       | 11/30/2010    | 3      | 1.79      | 0        |             | 190.00   | ID      | NA  | <input type="checkbox"/>            | NA      |                            |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003       | 11/30/2010    | 6      | 1.25      | 0        |             | 62.76    | LD      | NC  | <input type="checkbox"/>            | NC      |                            |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2003       | 11/30/2010    | 6      | 1.99      | 0        |             | 4.14     | LD      | NC  | <input type="checkbox"/>            | NC      |                            |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2003       | 11/30/2010    | 6      | 0.30      | 0        |             | 0.50     | LD      | NC  | <input checked="" type="checkbox"/> | PI      | lead in water              |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0604B\_01** From the confluence with Cedar Creek (0604A) upstream to confluence with unnamed tributary 100m above State Loop 287 in Lufkin, per WQS App. D, at NHD RC 12020002000043

**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    | 27     |           | 14       | 1584.89     | 394.00   | SM      | NS  | <input type="checkbox"/> | NA      | bacteria   | 5b  |
| Bacteria Geomean       | E. coli   | 12/1/2003       | 11/30/2010    | 28     | 356.21    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | NS      | bacteria   | 5b  |

**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 | Ammonia          | 12/1/2003       | 11/30/2010    | 28     |           | 15       | 0.69        | 0.33     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia    |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 27     |           |          |             | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 27     |           | 1        | 0.42        | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 28     |           | 1        | 2.49        | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 27     |           | 1        | 29.8        | 14.10    | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 6      | 1.25      | 0        |             | 502.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 6      | 0.38      | 0        |             | 3.83     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0604C Jack Creek (unclassified water body)**

**AUID 0604C\_01**

From the confluence with Cedar Creek (0604A) upstream to confluence with unnamed tributary 1.6km SW of US Hwy 69 NW of Lufkin at NHD RC 12020002012470.

**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 | 12/1/2003       | 11/30/2010    | 29     |           | 9        | 4.14        | 5.00     | AD      | CS  | <input type="checkbox"/>            | CS      | depressed dissolved oxygen |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 29     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 724.73   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Selenium              | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 20.00    | LD      | NC  | <input type="checkbox"/>            | NC      |                            |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2003       | 11/30/2010    | 8      |           | 0        |             | 8.74     | LD      | NC  | <input type="checkbox"/>            | NC      |                            |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 26.51    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 13.43    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Arsenic               | 12/1/2003       | 11/30/2010    | 8      |           | 0        |             | 360.00   | LD      | NC  | <input type="checkbox"/>            | NC      |                            |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 991.00   | AD      | FS  | <input checked="" type="checkbox"/> | PI      | aluminum in water          |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 58.54    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 287.04   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Selenium              | 12/1/2003       | 11/30/2010    | 4      | 0.13      | 0        |             | 5.00     | LD      | NC  | <input type="checkbox"/>            | NC      |                            |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003       | 11/30/2010    | 10     | 4.27      | 0        |             | 35.54    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003       | 11/30/2010    | 10     | 3.04      | 0        |             | 53.55    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2003       | 11/30/2010    | 10     | 0.31      | 0        |             | 0.50     | AD      | FS  | <input checked="" type="checkbox"/> | PI      | lead in water              |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2003       | 11/30/2010    | 8      | 1.90      | 0        |             | 4.14     | LD      | NC  | <input type="checkbox"/>            | NC      |                            |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003       | 11/30/2010    | 10     | 1.70      | 0        |             | 62.76    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2003       | 11/30/2010    | 10     | 0.11      | 0        |             | 0.38     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Arsenic               | 12/1/2003       | 11/30/2010    | 8      | 4.24      | 0        |             | 190.00   | LD      | NC  | <input type="checkbox"/>            | NC      |                            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0604C\_01

From the confluence with Cedar Creek (0604A) upstream to confluence with unnamed tributary 1.6km SW of US Hwy 69 NW of Lufkin at NHD RC 12020002012470.

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 26     | 184.60    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | NS      | bacteria   | 5b  |

**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 | Nitrate          | 12/1/2003       | 11/30/2010    | 27     |           | 10       | 4.01        | 1.95     | AD      | CS  | <input type="checkbox"/> | CS      | nitrate          |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 24     |           | 17       | 1.69        | 0.37     | AD      | CS  | <input type="checkbox"/> | CS      | orthophosphorus  |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 27     |           | 18       | 1.13        | 0.33     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia          |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 27     |           | 18       | 2.1         | 0.69     | AD      | CS  | <input type="checkbox"/> | CS      | total phosphorus |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 14.10    | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 10     | 1.70      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 10     | 0.36      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0604D Piney Creek (unclassified water body)**

**AUID 0604D\_01**

Middle portion of the stream from the confluence with Bear Creek (0604L) in Polk County upstream to the confluence with Caney Creek (0604O) in Trinity County at NHD RC 12020002000163.

**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     | 12/1/2003       | 11/30/2010    | 19     |           | 9        | 2.92        | 5.00     | AD      | CS  | <input type="checkbox"/>            | CS      | depressed dissolved oxygen |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2003       | 11/30/2010    | 19     |           | 6        | 2.1         | 3.00     | AD      | NS  | <input type="checkbox"/>            | NS      | depressed dissolved oxygen | 5c  |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2000       | 11/30/2010    | 10     |           | 7        | 2.66        | 5.00     | AD      | NS  | <input type="checkbox"/>            | NS      | depressed dissolved oxygen | 5c  |
| Dissolved Oxygen 24hr minimum         | Dissolved Oxygen 24hr Min | 12/1/2000       | 11/30/2010    | 10     |           | 6        | 1.44        | 3.00     | AD      | NS  | <input type="checkbox"/>            | NS      | depressed dissolved oxygen | 5c  |
| Acute Toxic Substances in water       | Arsenic                   | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 360.00   | LD      | NC  | <input type="checkbox"/>            | NC      |                            |     |
| Acute Toxic Substances in water       | Cadmium                   | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 9.79     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Chromium                  | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 228.26   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Copper                    | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 6.72     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Lead                      | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 18.57    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Nickel                    | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 571.99   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Selenium                  | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 20.00    | ID      | NA  | <input type="checkbox"/>            | NA      |                            |     |
| Acute Toxic Substances in water       | Zinc                      | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 46.19    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Aluminum                  | 12/1/2003       | 11/30/2010    | 10     |           | 1        | 1120        | 991.00   | AD      | FS  | <input checked="" type="checkbox"/> | PI      | aluminum in water          |     |
| Chronic Toxic Substances in water     | Cadmium                   | 12/1/2003       | 11/30/2010    | 10     | 0.06      | 0        |             | 0.38     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Zinc                      | 12/1/2003       | 11/30/2010    | 10     | 4.14      | 0        |             | 35.54    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Selenium                  | 12/1/2003       | 11/30/2010    | 3      | 0.13      | 0        |             | 5.00     | ID      | NA  | <input type="checkbox"/>            | NA      |                            |     |
| Chronic Toxic Substances in water     | Nickel                    | 12/1/2003       | 11/30/2010    | 10     | 2.75      | 0        |             | 53.55    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Lead                      | 12/1/2003       | 11/30/2010    | 10     | 0.45      | 0        |             | 0.50     | AD      | FS  | <input checked="" type="checkbox"/> | PI      | lead in water              |     |
| Chronic Toxic Substances in water     | Chromium                  | 12/1/2003       | 11/30/2010    | 10     | 1.60      | 0        |             | 62.76    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0604D\_01**

Middle portion of the stream from the confluence with Bear Creek (0604L) in Polk County upstream to the confluence with Caney Creek (0604O) in Trinity County at NHD RC 12020002000163.

**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 |
|-----------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Chronic Toxic Substances in water | Arsenic   | 12/1/2003       | 11/30/2010    | 7      | 1.21      | 0        |             | 190.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Chronic Toxic Substances in water | Copper    | 12/1/2003       | 11/30/2010    | 10     | 1.26      | 0        |             | 4.14     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 16     | 112.40    | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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 |
|---------------------------|------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 16     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 16     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 16     |           | 15       | 1.17        | 0.33     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia    |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 16     |           | 1        | 0.9         | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 15     |           | 2        | 35.85       | 14.10    | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 10     | 1.60      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 10     | 0.47      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0604D\_02

Upper portion of stream from the confluence with Caney Creek (0604O) in Trinity County upstream to confluence with unnamed tributary at NHD RC 12020002000181 in Houston County 0.75km west of FM 2781.

**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 | 12/1/2003       | 11/30/2010    | 10     |           | 2        | 3.8         | 5.00     | AD      | CS  | <input type="checkbox"/> | CS      | depressed dissolved oxygen |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 12     | 60.76     | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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 |
|---------------------------|------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 12     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 13     |           | 1        | 0.36        | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 12     |           | 3        | 68.53       | 14.10    | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 10     | 1.60      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 10     | 0.47      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**AUID** 0604D\_03

Lower portion of stream from the confluence with the Neches River (0604) upstream to the confluence with Bear Creek (0604L) in Polk County at NHD RC 12020002000145.

**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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 10     | 1.60      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 10     | 0.47      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River**

**SEGID 0604I Dabbs Creek (unclassified water body)**

**AUID 0604I\_02**

From the confluence with unnamed tributary that originates in Camden (0604U) upstream to the confluence with Dabbs Branch, per WQS App. D, at NHD RC 12020002012459

**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 | 12/1/2000       | 11/30/2010    | 6      |           | 0        |             | 5.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2000       | 11/30/2010    | 6      |           | 0        |             | 3.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0604M Biloxi Creek (unclassified water body)**

**AUID 0604M\_02** From the confluence with Neches River (0604) upstream to confluence with One Eye Creek in Angelina County SE of Lufkin.

**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     | 12/1/2003       | 11/30/2010    | 26     |           | 1        | 2.1         | 3.00     | AD      | NC  | <input type="checkbox"/>            | NC      |                   |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 2.00     | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 3.00     | LD      | NC  | <input type="checkbox"/>            | NC      |                   |     |
| Dissolved Oxygen 24hr minimum         | Dissolved Oxygen 24hr Min | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 2.00     | LD      | NC  | <input type="checkbox"/>            | NC      |                   |     |
| Acute Toxic Substances in water       | Cadmium                   | 12/1/2003       | 11/30/2010    | 11     |           | 0        |             | 31.69    | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Zinc                      | 12/1/2003       | 11/30/2010    | 11     |           | 0        |             | 111.58   | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Selenium                  | 12/1/2003       | 11/30/2010    | 8      |           | 0        |             | 20.00    | LD      | NC  | <input type="checkbox"/>            | NC      |                   |     |
| Acute Toxic Substances in water       | Nickel                    | 12/1/2003       | 11/30/2010    | 11     |           | 0        |             | 1,379.94 | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Lead                      | 12/1/2003       | 11/30/2010    | 11     |           | 0        |             | 69.86    | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Copper                    | 12/1/2003       | 11/30/2010    | 11     |           | 0        |             | 17.91    | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Arsenic                   | 12/1/2003       | 11/30/2010    | 8      |           | 0        |             | 360.00   | LD      | NC  | <input type="checkbox"/>            | NC      |                   |     |
| Acute Toxic Substances in water       | Aluminum                  | 12/1/2003       | 11/30/2010    | 11     |           | 1        | 2430        | 991.00   | AD      | FS  | <input checked="" type="checkbox"/> | PI      | aluminum in water |     |
| Acute Toxic Substances in water       | Chromium                  | 12/1/2003       | 11/30/2010    | 11     |           | 0        |             | 535.42   | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Chronic Toxic Substances in water     | Nickel                    | 12/1/2003       | 11/30/2010    | 11     | 3.27      | 0        |             | 53.55    | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Chronic Toxic Substances in water     | Selenium                  | 12/1/2003       | 11/30/2010    | 8      | 0.13      | 0        |             | 5.00     | LD      | NC  | <input type="checkbox"/>            | NC      |                   |     |
| Chronic Toxic Substances in water     | Lead                      | 12/1/2003       | 11/30/2010    | 11     | 0.40      | 0        |             | 0.50     | AD      | FS  | <input checked="" type="checkbox"/> | PI      | lead in water     |     |
| Chronic Toxic Substances in water     | Copper                    | 12/1/2003       | 11/30/2010    | 11     | 1.72      | 0        |             | 4.14     | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Chronic Toxic Substances in water     | Chromium                  | 12/1/2003       | 11/30/2010    | 11     | 1.74      | 0        |             | 62.76    | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Chronic Toxic Substances in water     | Cadmium                   | 12/1/2003       | 11/30/2010    | 11     | 0.10      | 0        |             | 0.38     | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0604M\_02 From the confluence with Neches River (0604) upstream to confluence with One Eye Creek in Angelina County SE of Lufkin.

### 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 |
|-----------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Chronic Toxic Substances in water | Arsenic   | 12/1/2003       | 11/30/2010    | 8      | 3.09      | 0        |             | 190.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Chronic Toxic Substances in water | Zinc      | 12/1/2003       | 11/30/2010    | 11     | 4.67      | 0        |             | 35.54    | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 25     | 158.28    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | NS      | bacteria   | 5b  |

### 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 | Nitrate          | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 25     |           | 2        | 0.45        | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 26     |           | 14       | 0.88        | 0.33     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia    |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 26     |           | 3        | 0.77        | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 25     |           | 2        | 33.15       | 14.10    | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 11     | 1.74      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 11     | 0.43      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0604M\_03** From the confluence with One Eye Creek in Angelina County SE of Lufkin upstream to FM 325 east of Lufkin

**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     | 12/1/2000       | 11/30/2010    | 17     |           | 1        | 2.8         | 3.00     | AD      | NC  | <input type="checkbox"/>            | NC      |                            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2000       | 11/30/2010    | 17     |           | 0        |             | 2.00     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2003       | 11/30/2010    | 3      |           | 1        | 2.57        | 3.00     | ID      | NA  | <input checked="" type="checkbox"/> | NS      | depressed dissolved oxygen | 5c  |
| Dissolved Oxygen 24hr minimum         | Dissolved Oxygen 24hr Min | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 2.00     | ID      | NA  | <input checked="" type="checkbox"/> | NS      | depressed dissolved oxygen | 5c  |

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 26     | 267.19    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | NS      | bacteria   | 5b  |

**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 | Total Phosphorus | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 0.69     | ID      | NA  | <input checked="" type="checkbox"/> | CS      | total phosphorus |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 2      |           | 1        | 40.2        | 14.10    | ID      | NA  | <input type="checkbox"/>            | NA      |                  |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 3      |           | 1        | 0.71        | 0.33     | ID      | NA  | <input checked="" type="checkbox"/> | CS      | ammonia          |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 0.37     | ID      | NA  | <input type="checkbox"/>            | NA      |                  |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 1.95     | ID      | NA  | <input type="checkbox"/>            | NA      |                  |     |

**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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 11     | 0.43      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 11     | 1.74      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0604N Buck Creek (unclassified water body)**

**AUID 0604N\_01** From the confluence with Biloxi Creek (0604M) upstream to the confluence with Graham Creek (0604E) SW of City of Huntington at NHD RC 12020002000417.

**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 | 12/1/2003       | 11/30/2010    | 28     |           | 1        | 2.5         | 3.00     | AD      | NC  | <input type="checkbox"/>            | NC      |                   |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 2.00     | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2003       | 11/30/2010    | 11     |           | 0        |             | 16.07    | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Selenium              | 12/1/2003       | 11/30/2010    | 8      |           | 0        |             | 20.00    | LD      | NC  | <input type="checkbox"/>            | NC      |                   |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003       | 11/30/2010    | 11     |           | 0        |             | 1,251.61 | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2003       | 11/30/2010    | 11     |           | 0        |             | 60.32    | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003       | 11/30/2010    | 11     |           | 0        |             | 487.14   | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2003       | 11/30/2010    | 11     |           | 0        |             | 27.82    | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 11     |           | 1        | 1600        | 991.00   | AD      | FS  | <input checked="" type="checkbox"/> | PI      | aluminum in water |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003       | 11/30/2010    | 11     |           | 0        |             | 101.18   | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Arsenic               | 12/1/2003       | 11/30/2010    | 8      |           | 0        |             | 360.00   | LD      | NC  | <input type="checkbox"/>            | NC      |                   |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2003       | 11/30/2010    | 11     | 0.36      | 0        |             | 0.50     | AD      | FS  | <input checked="" type="checkbox"/> | PI      | lead in water     |     |
| Chronic Toxic Substances in water     | Selenium              | 12/1/2003       | 11/30/2010    | 8      | 0.13      | 0        |             | 5.00     | LD      | NC  | <input type="checkbox"/>            | NC      |                   |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003       | 11/30/2010    | 11     | 5.25      | 0        |             | 35.54    | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003       | 11/30/2010    | 11     | 4.17      | 0        |             | 53.55    | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003       | 11/30/2010    | 11     | 1.71      | 0        |             | 62.76    | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Chronic Toxic Substances in water     | Arsenic               | 12/1/2003       | 11/30/2010    | 8      | 3.88      | 0        |             | 190.00   | LD      | NC  | <input type="checkbox"/>            | NC      |                   |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2003       | 11/30/2010    | 11     | 0.10      | 0        |             | 0.38     | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2003       | 11/30/2010    | 11     | 2.23      | 0        |             | 4.14     | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0604N\_01** From the confluence with Biloxi Creek (0604M) upstream to the confluence with Graham Creek (0604E) SW of City of Huntington at NHD RC 12020002000417.

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 27     | 78.67     | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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 |
|---------------------------|------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 14.10    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 28     |           | 14       | 0.84        | 0.33     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia    |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 11     | 0.38      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 11     | 1.71      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**AUID** **0604N\_02** From the confluence with Graham Creek (0604E) SW of City of Huntington upstream to 0.23km south of Old Ewing Rd east of Lufkin at NHD RC 12020002000418.

**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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 11     | 1.71      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 11     | 0.38      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0604T Lake Ratcliff (unclassified water body)**

**AUID 0604T\_01** Entire lake

**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 | 12/1/2000       | 11/30/2010    | 4      |           | 1        | 3.6         | 5.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2000       | 11/30/2010    | 4      |           | 0        |             | 3.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

**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 Geomean | E. coli   | 12/1/2000       | 11/30/2010    | 5      | 3.25      | 0        |             | 126.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

**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 | Ammonia          | 12/1/2000       | 11/30/2010    | 5      |           | 1        | 0.32        | 0.11     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2000       | 11/30/2010    | 5      |           | 0        |             | 0.20     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2000       | 11/30/2010    | 5      |           | 0        |             | 0.37     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2000       | 11/30/2010    | 5      |           | 2        | 36.95       | 26.70    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2000       | 11/30/2010    | 4      |           | 1        | 0.07        | 0.05     | LD      | NC  | <input type="checkbox"/> | 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 | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NS  | <input type="checkbox"/> | NS      | mercury in edible tissue | 5c  |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0604U Unnamed Tributary of Dabbs Creek (unclassified water body)**

**AUID 0604U\_02**

From the Moscow Camden San Augustine RR crossing about 90 meters SW of intersection FM 492 and FM 62N upstream to confluence with unnamed tributary 0.13km south of FM 942 in west Camden at NHD RC 12020002001654.

**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 | 12/1/2003       | 11/30/2010    | 6      |           | 1        | 3.3         | 5.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 6      |           | 0        |             | 3.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

**SEGID 0604W Bodan Creek (unclassified water body)**

**AUID 0604W\_01**

From the confluence with Neches River (0604) upstream to the downstream side of US Hwy 69

**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 | 12/1/2003       | 11/30/2010    | 5      |           | 1        | 0.3         | 3.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 5      |           | 1        | 0.3         | 2.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

**AUID 0604W\_02**

From the upstream side of US Hwy 69 upstream to headwaters northwest of Lufkin at NHD RC 12020002000444.

**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 | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 2.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 1.50     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID**    0605    Lake Palestine

**AUID**    0605\_01    Lower portion of reservoir near dam to the first bend in reservoir

**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 | 12/1/2003       | 11/30/2010    | 27     |           | 7        | 3.46        | 5.00     | AD      | CS  | <input type="checkbox"/> | CS      | depressed dissolved oxygen |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 27     |           | 2        | 1.55        | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Selenium              | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 20.00    | ID      | NA  | <input type="checkbox"/> | NA      |                            |     |
| Chronic Toxic Substances in water     | Selenium              | 12/1/2003       | 11/30/2010    | 2      | 0.13      | 0        |             | 5.00     | ID      | NA  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 19     | 2.31      | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 27     |           | 1        | 32.7        | 32.20    | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 27     |           | 4        | 9.09        | 8.50     | AD      | CN  | <input type="checkbox"/> | CN      | pH            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 167    | 162.08    | 0        |             | 200.00   | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 160    | 28.49     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 160    | 25.55     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 25     |           | 0        |             | 0.05     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 24     |           | 10       | 35.39       | 26.70    | AD      | CS  | <input type="checkbox"/> | CS      | chlorophyll-a |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 24     |           | 0        |             | 0.20     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 26     |           | 3        | 0.44        | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 26     |           | 3        | 0.24        | 0.11     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0605\_01 Lower portion of reservoir near dam to the first bend in reservoir

**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 | Risk Assess.- No Advisory | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water              | Cadmium                   | 12/1/2003       | 11/30/2010    | 3      | 0.20      | 0        |             | 5.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water              | Chromium                  | 12/1/2003       | 11/30/2010    | 4      | 1.63      | 0        |             | 62.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water              | Lead                      | 12/1/2003       | 11/30/2010    | 3      | 0.50      | 0        |             | 1.15     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

**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 | Lead      | 12/1/2003       | 11/30/2010    | 3      | 0.50      | 0        |             | 1.15     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 137    | 0.05      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 131    | 0.13      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 3      | 0.20      | 0        |             | 5.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003       | 11/30/2010    | 3      | 1.73      | 0        |             | 10.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003       | 11/30/2010    | 2      | 0.13      | 0        |             | 50.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0605\_02 From the first bend in lower portion of reservoir up to the SH 155 Bridge crossing.

**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 |
|------------------|------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Dissolved Solids | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 167    | 162.08    |          |             | 200.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids | Chloride               | 12/1/2003       | 11/30/2010    | 160    | 28.49     |          |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids | Sulfate                | 12/1/2003       | 11/30/2010    | 160    | 25.55     |          |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**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 | Risk Assess.- No Advisory | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water              | Cadmium                   | 12/1/2003       | 11/30/2010    | 3      | 0.20      | 0        |             | 5.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water              | Chromium                  | 12/1/2003       | 11/30/2010    | 4      | 1.63      | 0        |             | 62.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water              | Lead                      | 12/1/2003       | 11/30/2010    | 3      | 0.50      | 0        |             | 1.15     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

**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 | Fluoride  | 12/1/2003       | 11/30/2010    | 131    | 0.13      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003       | 11/30/2010    | 2      | 0.13      | 0        |             | 50.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 3      | 0.50      | 0        |             | 1.15     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003       | 11/30/2010    | 3      | 1.73      | 0        |             | 10.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 137    | 0.05      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 3      | 0.20      | 0        |             | 5.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

|             |                |   |
|-------------|----------------|---|
| <b>AUID</b> | <b>0605_03</b> | Upper mid-lake including Tyler Public Water Supply intake |
|-------------|----------------|---|

|            |                         |
|------------|-------------------------|
| <b>USE</b> | <b>Aquatic Life Use</b> |
|------------|-------------------------|

| 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     | 12/1/2003       | 11/30/2010    | 35     |           | 1        | 4.44        | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |                       |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2003       | 11/30/2010    | 35     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2003       | 11/30/2010    | 11     |           | 1        | 4.2         | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| Dissolved Oxygen 24hr minimum         | Dissolved Oxygen 24hr Min | 12/1/2003       | 11/30/2010    | 11     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |                       |     |
| Toxic Substances in sediment          | Manganese                 | 12/1/2003       | 11/30/2010    | 5      |           | 3        | 1460        | 1,100.00 | LD      | CS  | <input type="checkbox"/> | CS      | manganese in sediment |     |

|            |                       |
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| <b>USE</b> | <b>Recreation Use</b> |
|------------|-----------------------|

| 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 23     | 2.86      | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

|            |                    |
|------------|--------------------|
| <b>USE</b> | <b>General Use</b> |
|------------|--------------------|

| 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            | 12/1/2003       | 11/30/2010    | 35     |           | 2        | 32.65       | 32.20    | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 35     |           | 9        | 9           | 8.50     | AD      | NS  | <input type="checkbox"/> | NS      | pH            | 5a  |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 35     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 160    | 28.49     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 160    | 25.55     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 167    | 162.08    | 0        |             | 200.00   | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 35     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 34     |           | 0        |             | 0.05     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 34     |           | 1        | 0.14        | 0.11     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 33     |           | 1        | 0.34        | 0.20     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 33     |           | 24       | 55.61       | 26.70    | AD      | CS  | <input type="checkbox"/> | CS      | chlorophyll-a |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0605\_03 Upper mid-lake including Tyler Public Water Supply intake

**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 | Risk Assess.- No Advisory | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water              | Chromium                  | 12/1/2003       | 11/30/2010    | 4      | 1.63      | 0        |             | 62.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water              | Lead                      | 12/1/2003       | 11/30/2010    | 3      | 0.50      | 0        |             | 1.15     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water              | Cadmium                   | 12/1/2003       | 11/30/2010    | 3      | 0.20      | 0        |             | 5.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

**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 | Arsenic   | 12/1/2003       | 11/30/2010    | 3      | 1.73      | 0        |             | 10.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 3      | 0.20      | 0        |             | 5.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 131    | 0.13      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 3      | 0.50      | 0        |             | 1.15     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 137    | 0.05      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003       | 11/30/2010    | 2      | 0.13      | 0        |             | 50.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0605\_09 Flat Creek Arm

**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     | 12/1/2003       | 11/30/2010    | 34     |           | 0        |             | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2003       | 11/30/2010    | 34     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2003       | 11/30/2010    | 12     |           | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Oxygen 24hr minimum         | Dissolved Oxygen 24hr Min | 12/1/2003       | 11/30/2010    | 12     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 21     | 3.15      | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 34     |           | 3        | 33.54       | 32.20    | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 34     |           | 12       | 9           | 8.50     | AD      | NS  | <input type="checkbox"/> | NS      | pH            | 5a  |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 34     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 167    | 162.08    | 0        |             | 200.00   | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 160    | 28.49     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 160    | 25.55     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 34     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 33     |           | 2        | 0.07        | 0.05     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 33     |           | 5        | 0.33        | 0.11     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 32     |           | 0        |             | 0.20     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 32     |           | 24       | 51.17       | 26.70    | AD      | CS  | <input type="checkbox"/> | CS      | chlorophyll-a |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0605\_09 Flat Creek Arm

**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 | Risk Assess.- No Advisory | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water              | Chromium                  | 12/1/2003       | 11/30/2010    | 4      | 1.63      | 0        |             | 62.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water              | Lead                      | 12/1/2003       | 11/30/2010    | 3      | 0.50      | 0        |             | 1.15     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water              | Cadmium                   | 12/1/2003       | 11/30/2010    | 3      | 0.20      | 0        |             | 5.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

**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 | Arsenic   | 12/1/2003       | 11/30/2010    | 3      | 1.73      | 0        |             | 10.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 3      | 0.20      | 0        |             | 5.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 131    | 0.13      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 3      | 0.50      | 0        |             | 1.15     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 137    | 0.05      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003       | 11/30/2010    | 2      | 0.13      | 0        |             | 50.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

|             |                |            |
|-------------|----------------|------------|
| <b>AUID</b> | <b>0605_10</b> | Upper Lake |
|-------------|----------------|------------|

|            |                  |
|------------|------------------|
| <b>USE</b> | 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     | 12/1/2003       | 11/30/2010    | 24     |           | 1        | 4.6         | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2003       | 11/30/2010    | 24     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2003       | 11/30/2010    | 10     |           | 1        | 4.7         | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Oxygen 24hr minimum         | Dissolved Oxygen 24hr Min | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Arsenic                   | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 360.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Cadmium                   | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 17.73    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Chromium                  | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 351.24   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Acute Toxic Substances in water       | Copper                    | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 11.03    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Acute Toxic Substances in water       | Lead                      | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 36.28    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Nickel                    | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 892.76   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Acute Toxic Substances in water       | Zinc                      | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 72.14    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Acute Toxic Substances in water       | Aluminum                  | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 991.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Chronic Toxic Substances in water     | Lead                      | 12/1/2003       | 11/30/2010    | 3      | 0.24      | 0        |             | 0.48     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Cadmium                   | 12/1/2003       | 11/30/2010    | 3      | 0.09      | 0        |             | 0.37     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Zinc                      | 12/1/2003       | 11/30/2010    | 4      | 3.59      | 0        |             | 34.46    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Chronic Toxic Substances in water     | Nickel                    | 12/1/2003       | 11/30/2010    | 4      | 4.17      | 0        |             | 51.92    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Chronic Toxic Substances in water     | Chromium                  | 12/1/2003       | 11/30/2010    | 4      | 1.63      | 0        |             | 60.91    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Chronic Toxic Substances in water     | Arsenic                   | 12/1/2003       | 11/30/2010    | 3      | 1.73      | 0        |             | 190.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Copper                    | 12/1/2003       | 11/30/2010    | 4      | 1.51      | 0        |             | 4.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

|             |                |            |
|-------------|----------------|------------|
| <b>AUID</b> | <b>0605_10</b> | Upper Lake |
|-------------|----------------|------------|

|            |                       |
|------------|-----------------------|
| <b>USE</b> | <b>Recreation Use</b> |
|------------|-----------------------|

| 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 13     | 3.91      | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

|            |                    |
|------------|--------------------|
| <b>USE</b> | <b>General Use</b> |
|------------|--------------------|

| 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            | 12/1/2003       | 11/30/2010    | 24     |           | 2        | 32.75       | 32.20    | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 24     |           | 8        | 8.91        | 8.50     | AD      | NS  | <input type="checkbox"/> | NS      | pH            | 5a  |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 24     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 167    | 162.08    | 0        |             | 200.00   | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 160    | 28.49     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 160    | 25.55     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 24     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 22     |           | 22       | 53.79       | 26.70    | AD      | CS  | <input type="checkbox"/> | CS      | chlorophyll-a |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 22     |           | 3        | 0.44        | 0.20     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 23     |           | 0        |             | 0.05     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 23     |           | 0        |             | 0.11     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |

|            |                             |
|------------|-----------------------------|
| <b>USE</b> | <b>Fish Consumption Use</b> |
|------------|-----------------------------|

| 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 | Risk Assess.- No Advisory | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water              | Cadmium                   | 12/1/2003       | 11/30/2010    | 3      | 0.20      | 0        |             | 5.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water              | Chromium                  | 12/1/2003       | 11/30/2010    | 4      | 1.63      | 0        |             | 62.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water              | Lead                      | 12/1/2003       | 11/30/2010    | 3      | 0.50      | 0        |             | 1.15     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

**2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River**

**AUID** 0605\_10 Upper Lake

**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   | 12/1/2003       | 11/30/2010    | 137    | 0.05      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003       | 11/30/2010    | 3      | 1.73      | 0        |             | 10.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003       | 11/30/2010    | 2      | 0.13      | 0        |             | 50.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 131    | 0.13      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 3      | 0.20      | 0        |             | 5.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 3      | 0.50      | 0        |             | 1.15     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0605\_11 From the SH 155 Bridge crossing to the Flat Creek Arm and across the main portion of the lake at the Flat Creek Arm

### 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 | 12/1/2003       | 11/30/2010    | 18     |           | 1        | 4.06        | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 18     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 11     | 6.41      | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 18     |           | 1        | 32.7        | 32.20    | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 18     |           | 7        | 8.99        | 8.50     | AD      | NS  | <input type="checkbox"/> | NS      | pH            | 5a  |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 18     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 160    | 25.55     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 167    | 162.08    | 0        |             | 200.00   | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 160    | 28.49     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 15     |           | 12       | 41.95       | 26.70    | AD      | CS  | <input type="checkbox"/> | CS      | chlorophyll-a |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 16     |           | 0        |             | 0.20     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 18     |           | 1        | 0.13        | 0.11     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 18     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 17     |           | 0        |             | 0.05     | AD      | NC  | <input type="checkbox"/> | 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 | Risk Assess.- No Advisory | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water              | Cadmium                   | 12/1/2003       | 11/30/2010    | 3      | 0.20      | 0        |             | 5.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0605\_11 From the SH 155 Bridge crossing to the Flat Creek Arm and across the main portion of the lake at the Flat Creek Arm

**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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 4      | 1.63      | 0        |             | 62.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 3      | 0.50      | 0        |             | 1.15     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

**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 | Lead      | 12/1/2003       | 11/30/2010    | 3      | 0.50      | 0        |             | 1.15     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 137    | 0.05      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003       | 11/30/2010    | 2      | 0.13      | 0        |             | 50.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003       | 11/30/2010    | 3      | 1.73      | 0        |             | 10.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 131    | 0.13      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 3      | 0.20      | 0        |             | 5.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0605A Kickapoo Creek in Henderson County (unclassified water body)**

**AUID 0605A\_01** From the confluence with Lake Palestine (0605) east of Brownsboro in Henderson County to the confluence with Slater Creek (0605E).

**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     | 12/1/2003       | 11/30/2010    | 25     |           | 7        | 1.5         | 3.00     | AD      | CS  | <input type="checkbox"/>            | CS      | depressed dissolved oxygen |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2003       | 11/30/2010    | 25     |           | 6        | 1.35        | 2.00     | AD      | NS  | <input type="checkbox"/>            | NS      | depressed dissolved oxygen | 5c  |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2003       | 11/30/2010    | 2      |           | 2        | 1.3         | 3.00     | ID      | NA  | <input checked="" type="checkbox"/> | NS      | depressed dissolved oxygen | 5c  |
| Dissolved Oxygen 24hr minimum         | Dissolved Oxygen 24hr Min | 12/1/2003       | 11/30/2010    | 2      |           | 2        | 0.8         | 2.00     | ID      | NA  | <input checked="" type="checkbox"/> | NS      | depressed dissolved oxygen | 5c  |
| Acute Toxic Substances in water       | Arsenic                   | 12/1/2000       | 11/30/2010    | 4      |           | 0        |             | 360.00   | LD      | NC  | <input type="checkbox"/>            | NC      |                            |     |
| Acute Toxic Substances in water       | Zinc                      | 12/1/2000       | 11/30/2010    | 12     |           | 1        | 95          | 73.29    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Selenium                  | 12/1/2000       | 11/30/2010    | 4      |           | 0        |             | 20.00    | LD      | NC  | <input type="checkbox"/>            | NC      |                            |     |
| Acute Toxic Substances in water       | Nickel                    | 12/1/2000       | 11/30/2010    | 12     |           | 0        |             | 907.01   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Lead                      | 12/1/2000       | 11/30/2010    | 12     |           | 0        |             | 37.15    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Copper                    | 12/1/2000       | 11/30/2010    | 12     |           | 1        | 14          | 11.23    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Cadmium                   | 12/1/2000       | 11/30/2010    | 12     |           | 0        |             | 18.11    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Aluminum                  | 12/1/2000       | 11/30/2010    | 11     |           | 1        | 1159        | 991.00   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Chromium                  | 12/1/2000       | 11/30/2010    | 11     |           | 0        |             | 356.67   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Nickel                    | 12/1/2000       | 11/30/2010    | 12     | 5.49      | 0        |             | 53.55    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Lead                      | 12/1/2000       | 11/30/2010    | 12     | 0.35      | 0        |             | 0.50     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Zinc                      | 12/1/2000       | 11/30/2010    | 12     | 14.10     | 0        |             | 35.54    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Arsenic                   | 12/1/2000       | 11/30/2010    | 4      | 1.25      | 0        |             | 190.00   | LD      | NC  | <input type="checkbox"/>            | NC      |                            |     |
| Chronic Toxic Substances in water     | Chromium                  | 12/1/2000       | 11/30/2010    | 11     | 1.20      | 0        |             | 62.76    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Copper                    | 12/1/2000       | 11/30/2010    | 12     | 2.34      | 0        |             | 4.14     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0605A\_01** From the confluence with Lake Palestine (0605) east of Brownsboro in Henderson County to the confluence with Slater Creek (0605E).

**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 |
|-----------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Chronic Toxic Substances in water | Cadmium   | 12/1/2000       | 11/30/2010    | 12     | 0.06      | 0        |             | 0.38     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | Selenium  | 12/1/2000       | 11/30/2010    | 4      | 0.34      | 0        |             | 5.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 46     | 252.58    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | NS      | bacteria   | 5b  |

**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 | Nitrate          | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 25     |           | 7        | 1.6         | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 28     |           | 18       | 2.14        | 0.33     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia       |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 25     |           | 7        | 2.06        | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 24     |           | 9        | 56.09       | 14.10    | AD      | CS  | <input type="checkbox"/> | CS      | chlorophyll-a |     |

**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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2000       | 11/30/2010    | 11     | 1.20      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2000       | 11/30/2010    | 12     | 0.41      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0605A\_02

From the confluence with Slater Creek (0605E) upstream to confluence with unnamed tributary about 1.62 km north of FM 858 in Van Zandt County at NHD RC 12020001000161.

**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 | 12/1/2003       | 11/30/2010    | 20     |           | 1        | 2.6         | 3.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 2.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 19     | 128.35    | 1        |             | 126.00   | LD      | NS  | <input type="checkbox"/> | CN      | bacteria   |     |

**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 | Nitrate          | 12/1/2003       | 11/30/2010    | 19     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 18     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 20     |           | 6        | 2.63        | 0.33     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia    |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 18     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 18     |           | 3        | 29.73       | 14.10    | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 11     | 1.20      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 12     | 0.41      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0605F Lake Athens (unclassified water body)**

**AUID 0605F\_01** Entire lake

**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 | 12/1/2003       | 11/30/2010    | 56     |           | 0        |             | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 56     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 46     | 3.38      | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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 |
|---------------------------|------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 50     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 50     |           | 0        |             | 0.05     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 53     |           | 0        |             | 0.11     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 52     |           | 0        |             | 0.20     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 52     |           | 0        |             | 26.70    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID**    **0606**    **Neches River Above Lake Palestine**

**AUID**    **0606\_01**    From a point approximately 0.06km (0.03 mi) south of St. Louis Southwestern Railroad upstream to the confluence with Prairie Creek (0606A).

**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 | 12/1/2003       | 11/30/2010    | 42     |           | 0        |             | 4.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 42     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Selenium              | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 20.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Selenium              | 12/1/2003       | 11/30/2010    | 2      | 0.43      | 0        |             | 5.00     | ID      | NA  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 34     | 228.87    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | NS      | bacteria   | 5b  |

**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            | 12/1/2003       | 11/30/2010    | 42     |           | 0        |             | 35.00    | AD      | FS  | <input type="checkbox"/> | FS      |                  |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 42     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |                  |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 42     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |                  |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 90     | 263.00    | 0        |             | 300.00   | AD      | FS  | <input type="checkbox"/> | FS      |                  |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 86     | 45.35     | 0        |             | 100.00   | AD      | FS  | <input type="checkbox"/> | FS      |                  |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 86     | 45.19     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |                  |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 40     |           | 0        |             | 14.10    | AD      | NC  | <input type="checkbox"/> | NC      |                  |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 39     |           | 29       | 6.28        | 1.95     | AD      | CS  | <input type="checkbox"/> | CS      | nitrate          |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 40     |           | 12       | 1.08        | 0.37     | AD      | CS  | <input type="checkbox"/> | CS      | orthophosphorus  |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 42     |           | 3        | 0.5         | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |                  |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 39     |           | 11       | 1.29        | 0.69     | AD      | CS  | <input type="checkbox"/> | CS      | total phosphorus |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0606\_01** From a point approximately 0.06km (0.03 mi) south of St. Louis Southwestern Railroad upstream to the confluence with Prairie Creek (0606A).

**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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 2      | 0.27      | 0        |             | 1.15     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water | Cadmium   | 12/1/2003       | 11/30/2010    | 2      | 0.28      | 0        |             | 5.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 2      | 1.26      | 0        |             | 62.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

**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 | Selenium  | 12/1/2003       | 11/30/2010    | 2      | 0.43      | 0        |             | 50.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003       | 11/30/2010    | 2      | 1.14      | 0        |             | 10.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 2      | 0.28      | 0        |             | 5.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 73     | 0.22      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 2      | 0.27      | 0        |             | 1.15     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 78     | 2.69      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0606\_02**

From the confluence with Prairie Creek (0606A) upstream to the Rhines Lake Dam

**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     | 12/1/2003       | 11/30/2010    | 46     |           | 19       | 2.04        | 4.00     | AD      | CS  | <input type="checkbox"/>            | CS      | depressed dissolved oxygen |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2003       | 11/30/2010    | 46     |           | 15       | 1.62        | 3.00     | AD      | NS  | <input type="checkbox"/>            | NS      | depressed dissolved oxygen | 5c  |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2003       | 11/30/2010    |        |           |          |             |          | ID      | NA  | <input checked="" type="checkbox"/> | CN      | depressed dissolved oxygen |     |
| Acute Toxic Substances in water       | Lead                      | 12/1/2000       | 11/30/2010    | 11     |           | 0        |             | 41.59    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Zinc                      | 12/1/2000       | 11/30/2010    | 17     |           | 1        | 485         | 80.90    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Selenium                  | 12/1/2000       | 11/30/2010    | 2      |           | 0        |             | 20.00    | ID      | NA  | <input type="checkbox"/>            | NA      |                            |     |
| Acute Toxic Substances in water       | Aluminum                  | 12/1/2000       | 11/30/2010    | 11     |           | 0        |             | 991.00   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Nickel                    | 12/1/2000       | 11/30/2010    | 11     |           | 0        |             | 977.54   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Copper                    | 12/1/2000       | 11/30/2010    | 11     |           | 0        |             | 12.20    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Chromium                  | 12/1/2000       | 11/30/2010    | 11     |           | 0        |             | 383.49   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Arsenic                   | 12/1/2000       | 11/30/2010    | 11     |           | 0        |             | 360.00   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Cadmium                   | 12/1/2000       | 11/30/2010    | 11     |           | 0        |             | 20.01    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Chromium                  | 12/1/2000       | 11/30/2010    | 11     | 1.55      | 0        |             | 87.47    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Selenium                  | 12/1/2000       | 11/30/2010    | 2      | 0.55      | 0        |             | 5.00     | ID      | NA  | <input type="checkbox"/>            | NA      |                            |     |
| Chronic Toxic Substances in water     | Nickel                    | 12/1/2000       | 11/30/2010    | 11     | 9.39      | 0        |             | 75.46    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Zinc                      | 12/1/2000       | 11/30/2010    | 17     | 37.17     | 0        |             | 50.11    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Cadmium                   | 12/1/2000       | 11/30/2010    | 11     | 0.24      | 0        |             | 0.52     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Arsenic                   | 12/1/2000       | 11/30/2010    | 11     | 1.90      | 0        |             | 190.00   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Copper                    | 12/1/2000       | 11/30/2010    | 11     | 2.56      | 0        |             | 5.85     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Lead                      | 12/1/2000       | 11/30/2010    | 11     | 0.38      | 0        |             | 0.84     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0606\_02** From the confluence with Prairie Creek (0606A) upstream to the Rhines Lake Dam

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 35     | 104.38    | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 46     |           | 0        |             | 35.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 44     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 44     |           | 7        | 5.03        | 6.00     | AD      | NS  | <input type="checkbox"/> | NS      | pH         | 5b  |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 86     | 45.19     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 90     | 263.00    | 0        |             | 300.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 86     | 45.35     | 0        |             | 100.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 41     |           | 8        | 52.36       | 14.10    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 38     |           | 1        | 2.18        | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 43     |           | 10       | 1.27        | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 39     |           | 5        | 3           | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 40     |           | 2        | 1.38        | 0.37     | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Cadmium   | 12/1/2003       | 11/30/2010    | 2      | 0.28      | 0        |             | 5.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 2      | 1.26      | 0        |             | 62.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 2      | 0.27      | 0        |             | 1.15     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

**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 | Lead      | 12/1/2003       | 11/30/2010    | 2      | 0.27      | 0        |             | 1.15     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0606\_02 From the confluence with Prairie Creek (0606A) upstream to the Rhines Lake Dam

**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 | Selenium  | 12/1/2003       | 11/30/2010    | 2      | 0.43      | 0        |             | 50.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 78     | 2.69      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 2      | 0.28      | 0        |             | 5.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003       | 11/30/2010    | 2      | 1.14      | 0        |             | 10.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 73     | 0.22      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0606A Prairie Creek (unclassified water body)**

**AUID 0606A\_01**

From the confluence with Neches River (0606), per WQS App. D first entry for Prairie Creek at NHD RC 12020001000071 in Smith County upstream to the confluence with Black Fork Creek (0606D) at NHD RC 12020001000071 .

**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 | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 5.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 3.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 942.86   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 76.19    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 39.39    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 11.72    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 19.07    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Arsenic               | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 360.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 991.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 370.31   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2003       | 11/30/2010    | 1      | 1.50      | 0        |             | 4.14     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003       | 11/30/2010    | 1      | 5.00      | 0        |             | 35.54    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Arsenic               | 12/1/2003       | 11/30/2010    | 1      | 1.25      | 0        |             | 190.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2003       | 11/30/2010    | 1      | 0.25      | 0        |             | 0.50     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003       | 11/30/2010    | 1      | 2.00      | 0        |             | 62.76    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2003       | 11/30/2010    | 1      | 0.05      | 0        |             | 0.38     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003       | 11/30/2010    | 1      | 2.50      | 0        |             | 53.55    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0606A\_01** From the confluence with Neches River (0606), per WQS App. D first entry for Prairie Creek at NHD RC 12020001000071 in Smith County upstream to the confluence with Black Fork Creek (0606D) at NHD RC 12020001000071 .

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 22     | 164.87    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | NS      | bacteria   | 5b  |

**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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 1      | 2.00      | 0        |             | 502.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 1      | 0.50      | 0        |             | 3.83     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

**AUID** **0606A\_02** From the confluence with Black Fork Creek (0606D) upstream to a point immediately upstream of confluence with Caney Creek in Smith County at NHD RC 12020001000074, per WQS App. D first entry for Prairie Creek.

**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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 1      | 0.50      | 0        |             | 3.83     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 1      | 2.00      | 0        |             | 502.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0606A\_03

From the confluence with Caney Creek upstream to confluence with unnamed tributary appx. 0.6 km downstream of the US 69 bridge crossing, which is located appx. 0.6 km south of the City of Lindale, per App. D second line entry

**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 | 12/1/2003       | 11/30/2010    | 28     |           | 3        | 4.24        | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 28     | 138.35    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | NS      | bacteria   | 5b  |

**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 | Nitrate          | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 28     |           | 8        | 0.48        | 0.33     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia    |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 27     |           | 1        | 1.08        | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 14.10    | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 1      | 2.00      | 0        |             | 502.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 1      | 0.50      | 0        |             | 3.83     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0606D Black Fork Creek (unclassified water body)**

**AUID 0606D\_01**

Perennial stream from the confluence with Prairie Creek (0606A), per WQS App. D second entry for Black Fork Creek, upstream to the confluence with unnamed tributary (receiving waters for WWTP) at NHD RC 12020001000072.

**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 | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 4.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 3.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

**AUID 0606D\_02**

From the confluence with unnamed tributary at NHD RC 12020001000072 upstream to a point 0.4km downstream of FM 14 in Tyler, at the confluence with unnamed tributary at NHD RC 12020001000073, per WQS App. D second entry for Black Fork Creek.

**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 | 12/1/2003       | 11/30/2010    | 28     |           | 1        | 4.4         | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 28     | 155.15    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | 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 |
|---------------------------|------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 27     |           | 14       | 0.63        | 0.33     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia    |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 14.10    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID**    **0607**    **Pine Island Bayou**

**AUID**    **0607\_01**

From the confluence with the Neches River upstream to unnamed tributary at NHD RC 12020007001215 that runs through Sherwood Drive in northern City of Beaumont.

**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 | 12/1/2003       | 11/30/2010    | 26     |           | 8        | 3.91        | 5.00     | AD      | CS  | <input type="checkbox"/> | CS      | depressed dissolved oxygen |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 26     |           | 1        | 2.3         | 3.00     | AD      | FS  | <input type="checkbox"/> | NS      | depressed dissolved oxygen | 5b  |
| Acute Toxic Substances in water       | Lead                  | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 18.73    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 46.45    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Selenium              | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 20.00    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 575.24   | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 229.52   | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 9.87     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Arsenic               | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 360.00   | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 22     |           | 7        | 4071.14     | 991.00   | AD      | NS  | <input type="checkbox"/> | PI      | aluminum in water          |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2003       | 11/30/2010    | 19     |           | 0        |             | 6.76     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2003       | 11/30/2010    | 22     | 0.61      | 1        |             | 0.45     | AD      | NS  | <input type="checkbox"/> | PI      | lead in water              |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003       | 11/30/2010    | 22     | 3.97      | 0        |             | 33.38    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003       | 11/30/2010    | 22     | 2.39      | 0        |             | 50.29    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2003       | 11/30/2010    | 19     | 1.45      | 0        |             | 3.89     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003       | 11/30/2010    | 22     | 2.01      | 0        |             | 59.06    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2003       | 11/30/2010    | 22     | 0.07      | 0        |             | 0.36     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Arsenic               | 12/1/2003       | 11/30/2010    | 22     | 1.83      | 0        |             | 190.00   | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Selenium              | 12/1/2003       | 11/30/2010    | 22     | 0.20      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0607\_01**

From the confluence with the Neches River upstream to unnamed tributary at NHD RC 12020007001215 that runs through Sherwood Drive in northern City of Beaumont.

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 28     | 39.05     | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 35.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 136    | 160.89    | 0        |             | 300.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 112    | 35.99     | 0        |             | 150.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 112    | 9.32      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 0.33     | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|----------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Cresols                    | 12/1/2003       | 11/30/2010    | 7      | 25.06     | 0        |             | 736.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Di-n-butyl phthalate       | 12/1/2003       | 11/30/2010    | 7      | 8.96      | 0        |             | 1,318.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | DDT                        | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | 2,4-Dimethylphenol         | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 257.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Dicofol (Kelthane)         | 12/1/2003       | 11/30/2010    | 5      | 0.04      | 0        |             | 0.08     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Hexachlorobutadiene (HCBD) | 12/1/2003       | 11/30/2010    | 4      | 2.55      | 0        |             | 6.50     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Pentachlorophenol (PCP)    | 12/1/2003       | 11/30/2010    | 6      | 0.50      | 0        |             | 1.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0607\_01**

From the confluence with the Neches River upstream to unnamed tributary at NHD RC 12020007001215 that runs through Sherwood Drive in northern City of Beaumont.

**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 |
|------------------------------------|----------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | 2,4,5-Trichlorophenol      | 12/1/2003       | 11/30/2010    | 4      | 3.06      | 0        |             | 1,194.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Nitrobenzene               | 12/1/2003       | 11/30/2010    | 7      | 3.39      | 0        |             | 11.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | 1,2,4,5-Tetrachlorobenzene | 12/1/2003       | 11/30/2010    | 6      | 0.33      | 0        |             | 0.65     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | N-Nitrosodiethylamine      | 12/1/2003       | 11/30/2010    | 7      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | N-Nitroso-di-n-butylamine  | 12/1/2003       | 11/30/2010    | 7      | 0.06      | 0        |             | 0.12     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Pentachlorobenzene         | 12/1/2003       | 11/30/2010    | 7      | 0.50      | 0        |             | 1.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Silvex                     | 12/1/2003       | 11/30/2010    | 8      | 0.25      | 0        |             | 7.30     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Pyridine                   | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 23.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Bis(2-chloroethyl)ether    | 12/1/2003       | 11/30/2010    | 7      | 0.15      | 0        |             | 0.30     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | m-Dichlorobenzene          | 12/1/2003       | 11/30/2010    | 4      | 2.55      | 0        |             | 473.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | o-Dichlorobenzene          | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 600.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Toxaphene                  | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | DDE                        | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Benzo(a)pyrene             | 12/1/2003       | 11/30/2010    | 5      | 0.03      | 0        |             | 0.07     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | gamma-BHC (Lindane)        | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.20     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Lead                       | 12/1/2003       | 11/30/2010    | 80     | 0.86      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Aldrin                     | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Benzo(a)anthracene         | 12/1/2003       | 11/30/2010    | 7      | 0.03      | 0        |             | 0.07     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Cadmium                    | 12/1/2003       | 11/30/2010    | 80     | 0.12      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chlordane                  | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0607\_01**

From the confluence with the Neches River upstream to unnamed tributary at NHD RC 12020007001215 that runs through Sherwood Drive in northern City of Beaumont.

**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 |
|------------------------------------|-------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium                | 12/1/2003       | 11/30/2010    | 80     | 2.41      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chrysene                | 12/1/2003       | 11/30/2010    | 7      | 8.96      | 0        |             | 68.13    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Methoxychlor            | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.33     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Dieldrin                | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Endrin                  | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.20     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Heptachlor              | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Heptachlor epoxide      | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Hexachlorobenzene (HCB) | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Hexachloroethane        | 12/1/2003       | 11/30/2010    | 3      | 2.56      | 0        |             | 27.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water | DDD                     | 12/1/2003       | 11/30/2010    | 6      | 0.01      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Benzidine               | 12/1/2003       | 11/30/2010    | 7      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | PCBs                    | 12/1/2003       | 11/30/2010    | 5      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | 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 | DDE                     | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Nitrobenzene            | 12/1/2003       | 11/30/2010    | 7      | 3.39      | 0        |             | 11.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | 2,4,5-Trichlorophenol   | 12/1/2003       | 11/30/2010    | 4      | 3.06      | 0        |             | 1,194.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Pentachlorophenol (PCP) | 12/1/2003       | 11/30/2010    | 6      | 0.50      | 0        |             | 1.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Dicofol (Kelthane)      | 12/1/2003       | 11/30/2010    | 5      | 0.04      | 0        |             | 0.08     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | DDT                     | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Di-n-butyl phthalate    | 12/1/2003       | 11/30/2010    | 7      | 8.96      | 0        |             | 1,318.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0607\_01**

From the confluence with the Neches River upstream to unnamed tributary at NHD RC 12020007001215 that runs through Sherwood Drive in northern City of Beaumont.

**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 | gamma-BHC (Lindane)        | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.20     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | 1,2,4,5-Tetrachlorobenzene | 12/1/2003       | 11/30/2010    | 6      | 0.33      | 0        |             | 0.65     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | 2,4-Dimethylphenol         | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 257.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Toxaphene                  | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Cresols                    | 12/1/2003       | 11/30/2010    | 7      | 25.06     | 0        |             | 736.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | N-Nitrosodiethylamine      | 12/1/2003       | 11/30/2010    | 7      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | N-Nitroso-di-n-butylamine  | 12/1/2003       | 11/30/2010    | 7      | 0.06      | 0        |             | 0.12     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Pentachlorobenzene         | 12/1/2003       | 11/30/2010    | 7      | 0.50      | 0        |             | 1.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Silvex                     | 12/1/2003       | 11/30/2010    | 8      | 0.25      | 0        |             | 7.30     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Pyridine                   | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 23.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Bis(2-chloroethyl)ether    | 12/1/2003       | 11/30/2010    | 7      | 0.15      | 0        |             | 0.30     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | o-Dichlorobenzene          | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 600.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | PCBs                       | 12/1/2003       | 11/30/2010    | 5      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Hexachlorocyclopentadiene  | 12/1/2003       | 11/30/2010    | 3      | 5.12      | 0        |             | 50.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Bis(2-ethylhexyl)phthalate | 12/1/2003       | 11/30/2010    | 7      | 2.68      | 0        |             | 6.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | m-Dichlorobenzene          | 12/1/2003       | 11/30/2010    | 4      | 2.55      | 0        |             | 473.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Anthracene                 | 12/1/2003       | 11/30/2010    | 7      | 8.96      | 0        |             | 5,569.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | 1,3-Dichlorobenzene        | 12/1/2003       | 11/30/2010    | 4      | 2.55      | 0        |             | 75.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Aldrin                     | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Selenium                   | 12/1/2003       | 11/30/2010    | 79     | 0.20      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0607\_01**

From the confluence with the Neches River upstream to unnamed tributary at NHD RC 12020007001215 that runs through Sherwood Drive in northern City of Beaumont.

**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 | Arsenic                    | 12/1/2003       | 11/30/2010    | 80     | 1.60      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Barium                     | 12/1/2003       | 11/30/2010    | 40     | 204.38    | 0        |             | 2,000.00 | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Benzidine                  | 12/1/2003       | 11/30/2010    | 7      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Benzo(a)anthracene         | 12/1/2003       | 11/30/2010    | 7      | 0.03      | 0        |             | 0.07     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Benzo(a)pyrene             | 12/1/2003       | 11/30/2010    | 5      | 0.03      | 0        |             | 0.07     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Cadmium                    | 12/1/2003       | 11/30/2010    | 80     | 0.12      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Chlordane                  | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Chrysene                   | 12/1/2003       | 11/30/2010    | 7      | 8.96      | 0        |             | 68.13    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Dieldrin                   | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Endrin                     | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.20     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Heptachlor                 | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Heptachlor epoxide         | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Hexachlorobenzene (HCB)    | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Hexachlorobutadiene (HCBD) | 12/1/2003       | 11/30/2010    | 4      | 2.55      | 0        |             | 6.50     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Hexachloroethane           | 12/1/2003       | 11/30/2010    | 3      | 2.56      | 0        |             | 27.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Lead                       | 12/1/2003       | 11/30/2010    | 80     | 0.86      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Methoxychlor               | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.33     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Nitrate                    | 12/1/2003       | 11/30/2010    | 101    | 0.11      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | 2,4-D                      | 12/1/2003       | 11/30/2010    | 8      | 0.25      | 0        |             | 70.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | DDD                        | 12/1/2003       | 11/30/2010    | 6      | 0.01      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |



**2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River**

**AUID** 0607\_01

From the confluence with the Neches River upstream to unnamed tributary at NHD RC 12020007001215 that runs through Sherwood Drive in northern City of Beaumont.

**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 Toxic Substances average concern | Alachlor  | 12/1/2003       | 11/30/2010    | 9      | 0.15      | 0        |             | 2.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water Toxic Substances average concern | Atrazine  | 12/1/2003       | 11/30/2010    | 9      | 0.15      | 0        |             | 3.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0607\_02 From the confluence with unnamed tributary that runs through Sherwood Drive in northern City of Beaumont upstream to the confluence with Black Creek

**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     | 12/1/2003       | 11/30/2010    | 27     |           | 12       | 3.84        | 5.00     | AD      | CS  | <input type="checkbox"/> | CS      | depressed dissolved oxygen |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2003       | 11/30/2010    | 27     |           | 1        | 1.1         | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2000       | 11/30/2010    | 14     |           | 8        | 3.42        | 5.00     | AD      | NS  | <input type="checkbox"/> | NS      | depressed dissolved oxygen | 5b  |
| Dissolved Oxygen 24hr minimum         | Dissolved Oxygen 24hr Min | 12/1/2000       | 11/30/2010    | 14     |           | 6        | 2.4         | 3.00     | AD      | NS  | <input type="checkbox"/> | NS      | depressed dissolved oxygen | 5b  |
| Acute Toxic Substances in water       | PCBs                      | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 2.00     | ID      | NA  | <input type="checkbox"/> | NA      |                            |     |
| Acute Toxic Substances in water       | 2,4,5-Trichlorophenol     | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 136.00   | ID      | NA  | <input type="checkbox"/> | NA      |                            |     |
| Acute Toxic Substances in water       | Pentachlorophenol (PCP)   | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 8.20     | ID      | NA  | <input type="checkbox"/> | NA      |                            |     |
| Acute Toxic Substances in water       | Endosulfan sulfate        | 12/1/2003       | 11/30/2010    | 5      |           | 0        |             | 0.22     | LD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Acute Toxic Substances in water       | Endosulfan 2 (beta)       | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 0.22     | LD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Acute Toxic Substances in water       | Endosulfan 1 (alpha)      | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 0.22     | LD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Acute Toxic Substances in water       | Dicofol (Kelthane)        | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 59.30    | ID      | NA  | <input type="checkbox"/> | NA      |                            |     |
| Acute Toxic Substances in water       | DDT                       | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 1.10     | LD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Acute Toxic Substances in water       | Toxaphene                 | 12/1/2003       | 11/30/2010    | 5      |           | 0        |             | 0.78     | LD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Acute Toxic Substances in water       | gamma-BHC (Lindane)       | 12/1/2003       | 11/30/2010    | 5      |           | 0        |             | 2.00     | LD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Acute Toxic Substances in water       | Phenanthrene              | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 30.00    | LD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Acute Toxic Substances in water       | Selenium                  | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 20.00    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Aldrin                    | 12/1/2003       | 11/30/2010    | 5      |           | 0        |             | 3.00     | LD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Acute Toxic Substances in water       | Zinc                      | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 47.26    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Aluminum                  | 12/1/2003       | 11/30/2010    | 22     |           | 8        | 4116.88     | 991.00   | AD      | NS  | <input type="checkbox"/> | PI      | aluminum in water          |     |
| Acute Toxic Substances in water       | Arsenic                   | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 360.00   | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Cadmium                   | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 10.10    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0607\_02**

From the confluence with unnamed tributary that runs through Sherwood Drive in northern City of Beaumont upstream to the confluence with Black Creek

**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 |
|-----------------------------------|-------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Acute Toxic Substances in water   | Chlordane               | 12/1/2003       | 11/30/2010    | 5      |           | 0        |             | 2.40     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Acute Toxic Substances in water   | Chloropyrifos (Dursban) | 12/1/2003       | 11/30/2010    | 5      |           | 0        |             | 0.08     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Acute Toxic Substances in water   | Copper                  | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 6.89     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water   | Dieldrin                | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 2.50     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Acute Toxic Substances in water   | Endrin                  | 12/1/2003       | 11/30/2010    | 5      |           | 0        |             | 0.18     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Acute Toxic Substances in water   | Heptachlor              | 12/1/2003       | 11/30/2010    | 5      |           | 0        |             | 0.52     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Acute Toxic Substances in water   | Nickel                  | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 585.26   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water   | Lead                    | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 19.22    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water   | Chromium                | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 233.38   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | Pentachlorophenol (PCP) | 12/1/2003       | 11/30/2010    | 3      | 1.73      | 0        |             | 3.46     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water | Nickel                  | 12/1/2003       | 11/30/2010    | 22     | 2.51      | 0        |             | 50.29    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | PCBs                    | 12/1/2003       | 11/30/2010    | 3      | 0.01      | 0        |             | 0.01     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water | Phenanthrene            | 12/1/2003       | 11/30/2010    | 4      | 5.64      | 0        |             | 30.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Chronic Toxic Substances in water | Selenium                | 12/1/2003       | 11/30/2010    | 22     | 0.19      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | Zinc                    | 12/1/2003       | 11/30/2010    | 22     | 4.19      | 0        |             | 33.38    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | gamma-BHC (Lindane)     | 12/1/2003       | 11/30/2010    | 5      | 0.03      | 0        |             | 0.08     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Chronic Toxic Substances in water | DDT                     | 12/1/2003       | 11/30/2010    | 4      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Chronic Toxic Substances in water | Endosulfan 1 (alpha)    | 12/1/2003       | 11/30/2010    | 4      | 0.03      | 0        |             | 0.06     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Chronic Toxic Substances in water | 2,4,5-Trichlorophenol   | 12/1/2003       | 11/30/2010    | 2      | 3.02      | 0        |             | 64.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water | Endosulfan sulfate      | 12/1/2003       | 11/30/2010    | 5      | 0.03      | 0        |             | 0.06     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Chronic Toxic Substances in water | Mirex                   | 12/1/2003       | 11/30/2010    | 5      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0607\_02 From the confluence with unnamed tributary that runs through Sherwood Drive in northern City of Beaumont upstream to the confluence with Black Creek

**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 |
|-----------------------------------|-------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|---------------|-----|
| Chronic Toxic Substances in water | Toxaphene               | 12/1/2003       | 11/30/2010    | 5      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Chronic Toxic Substances in water | Endosulfan 2 (beta)     | 12/1/2003       | 11/30/2010    | 4      | 0.03      | 0        |             | 0.06     | LD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Chronic Toxic Substances in water | Copper                  | 12/1/2003       | 11/30/2010    | 20     | 1.74      | 0        |             | 3.89     | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Chronic Toxic Substances in water | Methoxychlor            | 12/1/2003       | 11/30/2010    | 5      | 0.02      | 0        |             | 0.03     | LD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Chronic Toxic Substances in water | Cadmium                 | 12/1/2003       | 11/30/2010    | 22     | 0.09      | 0        |             | 0.36     | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Chronic Toxic Substances in water | Chlordane               | 12/1/2003       | 11/30/2010    | 5      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Chronic Toxic Substances in water | Dicofol (Kelthane)      | 12/1/2003       | 11/30/2010    | 3      | 0.55      | 0        |             | 19.80    | ID      | NA  | <input type="checkbox"/> | NA      |               |     |
| Chronic Toxic Substances in water | Chromium                | 12/1/2003       | 11/30/2010    | 22     | 2.40      | 0        |             | 59.06    | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Chronic Toxic Substances in water | Demeton                 | 12/1/2003       | 11/30/2010    | 3      | 0.05      | 0        |             | 0.10     | ID      | NA  | <input type="checkbox"/> | NA      |               |     |
| Chronic Toxic Substances in water | Lead                    | 12/1/2003       | 11/30/2010    | 22     | 0.86      | 1        |             | 0.45     | AD      | NS  | <input type="checkbox"/> | PI      | lead in water |     |
| Chronic Toxic Substances in water | Dieldrin                | 12/1/2003       | 11/30/2010    | 4      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Chronic Toxic Substances in water | Malathion               | 12/1/2003       | 11/30/2010    | 5      | 0.01      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Chronic Toxic Substances in water | Chloropyrifos (Dursban) | 12/1/2003       | 11/30/2010    | 5      | 0.02      | 0        |             | 0.04     | LD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Chronic Toxic Substances in water | Endrin                  | 12/1/2003       | 11/30/2010    | 5      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Chronic Toxic Substances in water | Guthion                 | 12/1/2003       | 11/30/2010    | 5      | 0.01      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Chronic Toxic Substances in water | Heptachlor              | 12/1/2003       | 11/30/2010    | 5      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Chronic Toxic Substances in water | Arsenic                 | 12/1/2003       | 11/30/2010    | 22     | 2.09      | 0        |             | 190.00   | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 28     | 74.93     | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0607\_02 From the confluence with unnamed tributary that runs through Sherwood Drive in northern City of Beaumont upstream to the confluence with Black Creek

**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            | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 35.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 112    | 9.32      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 136    | 160.89    | 0        |             | 300.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 112    | 35.99     | 0        |             | 150.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 28     |           | 2        | 0.43        | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|----------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | N-Nitroso-di-n-butylamine  | 12/1/2003       | 11/30/2010    | 7      | 0.06      | 0        |             | 0.12     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Di-n-butyl phthalate       | 12/1/2003       | 11/30/2010    | 7      | 8.96      | 0        |             | 1,318.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | DDT                        | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Dicofol (Kelthane)         | 12/1/2003       | 11/30/2010    | 5      | 0.04      | 0        |             | 0.08     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Pentachlorophenol (PCP)    | 12/1/2003       | 11/30/2010    | 6      | 0.50      | 0        |             | 1.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | 2,4,5-Trichlorophenol      | 12/1/2003       | 11/30/2010    | 4      | 3.06      | 0        |             | 1,194.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Nitrobenzene               | 12/1/2003       | 11/30/2010    | 7      | 3.39      | 0        |             | 11.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | DDE                        | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | 1,2,4,5-Tetrachlorobenzene | 12/1/2003       | 11/30/2010    | 6      | 0.33      | 0        |             | 0.65     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | N-Nitrosodiethylamine      | 12/1/2003       | 11/30/2010    | 7      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0607\_02 From the confluence with unnamed tributary that runs through Sherwood Drive in northern City of Beaumont upstream to the confluence with Black Creek

**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 |
|------------------------------------|-------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Pentachlorobenzene      | 12/1/2003       | 11/30/2010    | 7      | 0.50      | 0        |             | 1.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Silvex                  | 12/1/2003       | 11/30/2010    | 8      | 0.25      | 0        |             | 7.30     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Pyridine                | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 23.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Bis(2-chloroethyl)ether | 12/1/2003       | 11/30/2010    | 7      | 0.15      | 0        |             | 0.30     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | m-Dichlorobenzene       | 12/1/2003       | 11/30/2010    | 4      | 2.55      | 0        |             | 473.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | o-Dichlorobenzene       | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 600.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | 2,4-Dimethylphenol      | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 257.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Cadmium                 | 12/1/2003       | 11/30/2010    | 80     | 0.12      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Toxaphene               | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Cresols                 | 12/1/2003       | 11/30/2010    | 7      | 25.06     | 0        |             | 736.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Chlordane               | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Chromium                | 12/1/2003       | 11/30/2010    | 80     | 2.41      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | gamma-BHC (Lindane)     | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.20     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Benzidine               | 12/1/2003       | 11/30/2010    | 7      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Benzo(a)anthracene      | 12/1/2003       | 11/30/2010    | 7      | 0.03      | 0        |             | 0.07     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Benzo(a)pyrene          | 12/1/2003       | 11/30/2010    | 5      | 0.03      | 0        |             | 0.07     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Aldrin                  | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Chrysene                | 12/1/2003       | 11/30/2010    | 7      | 8.96      | 0        |             | 68.13    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | DDD                     | 12/1/2003       | 11/30/2010    | 6      | 0.01      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Dieldrin                | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Methoxychlor            | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.33     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0607\_02 From the confluence with unnamed tributary that runs through Sherwood Drive in northern City of Beaumont upstream to the confluence with Black Creek

### 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 |
|------------------------------------|----------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Heptachlor                 | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Heptachlor epoxide         | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Hexachlorobenzene (HCB)    | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Hexachlorobutadiene (HCBd) | 12/1/2003       | 11/30/2010    | 4      | 2.55      | 0        |             | 6.50     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Hexachloroethane           | 12/1/2003       | 11/30/2010    | 3      | 2.56      | 0        |             | 27.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water | Lead                       | 12/1/2003       | 11/30/2010    | 80     | 0.86      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Endrin                     | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.20     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | PCBs                       | 12/1/2003       | 11/30/2010    | 5      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | 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 | 1,2,4,5-Tetrachlorobenzene | 12/1/2003       | 11/30/2010    | 6      | 0.33      | 0        |             | 0.65     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | DDE                        | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Nitrobenzene               | 12/1/2003       | 11/30/2010    | 7      | 3.39      | 0        |             | 11.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | 2,4,5-Trichlorophenol      | 12/1/2003       | 11/30/2010    | 4      | 3.06      | 0        |             | 1,194.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Pentachlorophenol (PCP)    | 12/1/2003       | 11/30/2010    | 6      | 0.50      | 0        |             | 1.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Dicofol (Kelthane)         | 12/1/2003       | 11/30/2010    | 5      | 0.04      | 0        |             | 0.08     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Toxaphene                  | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Di-n-butyl phthalate       | 12/1/2003       | 11/30/2010    | 7      | 8.96      | 0        |             | 1,318.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Cresols                    | 12/1/2003       | 11/30/2010    | 7      | 25.06     | 0        |             | 736.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | gamma-BHC (Lindane)        | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.20     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | DDT                        | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0607\_02**

From the confluence with unnamed tributary that runs through Sherwood Drive in northern City of Beaumont upstream to the confluence with Black Creek

**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 | N-Nitrosodiethylamine      | 12/1/2003       | 11/30/2010    | 7      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | N-Nitroso-di-n-butylamine  | 12/1/2003       | 11/30/2010    | 7      | 0.06      | 0        |             | 0.12     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Pentachlorobenzene         | 12/1/2003       | 11/30/2010    | 7      | 0.50      | 0        |             | 1.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Silvex                     | 12/1/2003       | 11/30/2010    | 8      | 0.25      | 0        |             | 7.30     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Pyridine                   | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 23.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Bis(2-chloroethyl)ether    | 12/1/2003       | 11/30/2010    | 7      | 0.15      | 0        |             | 0.30     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | m-Dichlorobenzene          | 12/1/2003       | 11/30/2010    | 4      | 2.55      | 0        |             | 473.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | o-Dichlorobenzene          | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 600.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Hexachlorocyclopentadiene  | 12/1/2003       | 11/30/2010    | 3      | 5.12      | 0        |             | 50.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Bis(2-ethylhexyl)phthalate | 12/1/2003       | 11/30/2010    | 7      | 2.68      | 0        |             | 6.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | 2,4-D                      | 12/1/2003       | 11/30/2010    | 8      | 0.25      | 0        |             | 70.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | 1,3-Dichlorobenzene        | 12/1/2003       | 11/30/2010    | 4      | 2.55      | 0        |             | 75.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | 2,4-Dimethylphenol         | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 257.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Arsenic                    | 12/1/2003       | 11/30/2010    | 80     | 1.60      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Anthracene                 | 12/1/2003       | 11/30/2010    | 7      | 8.96      | 0        |             | 5,569.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Selenium                   | 12/1/2003       | 11/30/2010    | 79     | 0.20      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Aldrin                     | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Barium                     | 12/1/2003       | 11/30/2010    | 40     | 204.38    | 0        |             | 2,000.00 | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Benzidine                  | 12/1/2003       | 11/30/2010    | 7      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Benzo(a)anthracene         | 12/1/2003       | 11/30/2010    | 7      | 0.03      | 0        |             | 0.07     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Benzo(a)pyrene             | 12/1/2003       | 11/30/2010    | 5      | 0.03      | 0        |             | 0.07     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0607\_02 From the confluence with unnamed tributary that runs through Sherwood Drive in northern City of Beaumont upstream to the confluence with Black Creek

**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      | Cadmium                    | 12/1/2003       | 11/30/2010    | 80     | 0.12      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average      | Chlordane                  | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Chrysene                   | 12/1/2003       | 11/30/2010    | 7      | 8.96      | 0        |             | 68.13    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | DDD                        | 12/1/2003       | 11/30/2010    | 6      | 0.01      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Endrin                     | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.20     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Heptachlor                 | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Heptachlor epoxide         | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Hexachlorobenzene (HCB)    | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Hexachlorobutadiene (HCBD) | 12/1/2003       | 11/30/2010    | 4      | 2.55      | 0        |             | 6.50     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Hexachloroethane           | 12/1/2003       | 11/30/2010    | 3      | 2.56      | 0        |             | 27.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average      | Lead                       | 12/1/2003       | 11/30/2010    | 80     | 0.86      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average      | PCBs                       | 12/1/2003       | 11/30/2010    | 5      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Methoxychlor               | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.33     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Nitrate                    | 12/1/2003       | 11/30/2010    | 101    | 0.11      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average      | Dieldrin                   | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water Toxic Substances average concern | Alachlor                   | 12/1/2003       | 11/30/2010    | 9      | 0.15      | 0        |             | 2.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water Toxic Substances average concern | Atrazine                   | 12/1/2003       | 11/30/2010    | 9      | 0.15      | 0        |             | 3.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0607\_03** From the confluence with Black Creek upstream to the confluence with Willow Creek (0607C)

**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     | 12/1/2003       | 11/30/2010    | 26     |           | 8        | 4.15        | 5.00     | AD      | CS  | <input type="checkbox"/> | CS      | depressed dissolved oxygen |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2003       | 11/30/2010    | 10     |           | 6        | 3.53        | 5.00     | AD      | NS  | <input type="checkbox"/> | NS      | depressed dissolved oxygen | 5b  |
| Dissolved Oxygen 24hr minimum         | Dissolved Oxygen 24hr Min | 12/1/2003       | 11/30/2010    | 10     |           | 2        | 2.1         | 3.00     | AD      | CN  | <input type="checkbox"/> | CN      | depressed dissolved oxygen |     |
| Acute Toxic Substances in water       | 2,4,5-Trichlorophenol     | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 136.00   | ID      | NA  | <input type="checkbox"/> | NA      |                            |     |
| Acute Toxic Substances in water       | Pentachlorophenol (PCP)   | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 7.42     | ID      | NA  | <input type="checkbox"/> | NA      |                            |     |
| Acute Toxic Substances in water       | Endosulfan sulfate        | 12/1/2003       | 11/30/2010    | 5      |           | 0        |             | 0.22     | LD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Acute Toxic Substances in water       | Endosulfan 2 (beta)       | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 0.22     | LD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Acute Toxic Substances in water       | Endosulfan 1 (alpha)      | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 0.22     | LD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Acute Toxic Substances in water       | Dicofol (Kelthane)        | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 59.30    | ID      | NA  | <input type="checkbox"/> | NA      |                            |     |
| Acute Toxic Substances in water       | Phenanthrene              | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 30.00    | LD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Acute Toxic Substances in water       | DDT                       | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 1.10     | LD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Acute Toxic Substances in water       | Chloropyrifos (Dursban)   | 12/1/2003       | 11/30/2010    | 5      |           | 0        |             | 0.08     | LD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Acute Toxic Substances in water       | Toxaphene                 | 12/1/2003       | 11/30/2010    | 5      |           | 0        |             | 0.78     | LD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Acute Toxic Substances in water       | gamma-BHC (Lindane)       | 12/1/2003       | 11/30/2010    | 5      |           | 0        |             | 2.00     | LD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Acute Toxic Substances in water       | Zinc                      | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 55.98    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Selenium                  | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 20.00    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Arsenic                   | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 360.00   | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Copper                    | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 8.32     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | PCBs                      | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 2.00     | ID      | NA  | <input type="checkbox"/> | NA      |                            |     |
| Acute Toxic Substances in water       | Aluminum                  | 12/1/2003       | 11/30/2010    | 22     |           | 9        | 5641        | 991.00   | AD      | NS  | <input type="checkbox"/> | PI      | aluminum in water          |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0607\_03 From the confluence with Black Creek upstream to the confluence with Willow Creek (0607C)

**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 |
|-----------------------------------|-------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Acute Toxic Substances in water   | Cadmium                 | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 12.65    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water   | Chlordane               | 12/1/2003       | 11/30/2010    | 5      |           | 0        |             | 2.40     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Acute Toxic Substances in water   | Chromium                | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 274.90   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water   | Dieldrin                | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 2.50     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Acute Toxic Substances in water   | Endrin                  | 12/1/2003       | 11/30/2010    | 5      |           | 0        |             | 0.18     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Acute Toxic Substances in water   | Heptachlor              | 12/1/2003       | 11/30/2010    | 5      |           | 0        |             | 0.52     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Acute Toxic Substances in water   | Lead                    | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 24.79    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water   | Nickel                  | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 693.10   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water   | Aldrin                  | 12/1/2003       | 11/30/2010    | 5      |           | 0        |             | 3.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Chronic Toxic Substances in water | Pentachlorophenol (PCP) | 12/1/2003       | 11/30/2010    | 3      | 1.73      | 0        |             | 3.46     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water | Zinc                    | 12/1/2003       | 11/30/2010    | 22     | 4.23      | 0        |             | 33.38    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | Nickel                  | 12/1/2003       | 11/30/2010    | 22     | 2.69      | 0        |             | 50.29    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | 2,4,5-Trichlorophenol   | 12/1/2003       | 11/30/2010    | 2      | 3.11      | 0        |             | 64.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water | PCBs                    | 12/1/2003       | 11/30/2010    | 3      | 0.01      | 0        |             | 0.01     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water | Phenanthrene            | 12/1/2003       | 11/30/2010    | 4      | 5.67      | 0        |             | 30.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Chronic Toxic Substances in water | Selenium                | 12/1/2003       | 11/30/2010    | 22     | 0.20      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | gamma-BHC (Lindane)     | 12/1/2003       | 11/30/2010    | 5      | 0.03      | 0        |             | 0.08     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Chronic Toxic Substances in water | Toxaphene               | 12/1/2003       | 11/30/2010    | 5      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Chronic Toxic Substances in water | DDT                     | 12/1/2003       | 11/30/2010    | 4      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Chronic Toxic Substances in water | Dicofol (Kelthane)      | 12/1/2003       | 11/30/2010    | 3      | 0.54      | 0        |             | 19.80    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water | Endosulfan 1 (alpha)    | 12/1/2003       | 11/30/2010    | 4      | 0.02      | 0        |             | 0.06     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0607\_03 From the confluence with Black Creek upstream to the confluence with Willow Creek (0607C)

**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 |
|-----------------------------------|-------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|---------------|-----|
| Chronic Toxic Substances in water | Endosulfan sulfate      | 12/1/2003       | 11/30/2010    | 5      | 0.02      | 0        |             | 0.06     | LD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Chronic Toxic Substances in water | Malathion               | 12/1/2003       | 11/30/2010    | 5      | 0.01      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Chronic Toxic Substances in water | Endosulfan 2 (beta)     | 12/1/2003       | 11/30/2010    | 4      | 0.02      | 0        |             | 0.06     | LD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Chronic Toxic Substances in water | Chlordane               | 12/1/2003       | 11/30/2010    | 5      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Chronic Toxic Substances in water | Mirex                   | 12/1/2003       | 11/30/2010    | 5      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Chronic Toxic Substances in water | Methoxychlor            | 12/1/2003       | 11/30/2010    | 5      | 0.01      | 0        |             | 0.03     | LD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Chronic Toxic Substances in water | Cadmium                 | 12/1/2003       | 11/30/2010    | 22     | 0.08      | 0        |             | 0.36     | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Chronic Toxic Substances in water | Chloropyrifos (Dursban) | 12/1/2003       | 11/30/2010    | 5      | 0.02      | 0        |             | 0.04     | LD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Chronic Toxic Substances in water | Chromium                | 12/1/2003       | 11/30/2010    | 22     | 2.90      | 0        |             | 59.06    | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Chronic Toxic Substances in water | Copper                  | 12/1/2003       | 11/30/2010    | 20     | 1.99      | 0        |             | 3.89     | AD      | FS  | <input type="checkbox"/> | FS      |               |     |
| Chronic Toxic Substances in water | Demeton                 | 12/1/2003       | 11/30/2010    | 3      | 0.05      | 0        |             | 0.10     | ID      | NA  | <input type="checkbox"/> | NA      |               |     |
| Chronic Toxic Substances in water | Dieldrin                | 12/1/2003       | 11/30/2010    | 4      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Chronic Toxic Substances in water | Endrin                  | 12/1/2003       | 11/30/2010    | 5      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Chronic Toxic Substances in water | Guthion                 | 12/1/2003       | 11/30/2010    | 5      | 0.01      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Chronic Toxic Substances in water | Heptachlor              | 12/1/2003       | 11/30/2010    | 5      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |               |     |
| Chronic Toxic Substances in water | Lead                    | 12/1/2003       | 11/30/2010    | 22     | 1.04      | 1        |             | 0.45     | AD      | NS  | <input type="checkbox"/> | PI      | lead in water |     |
| Chronic Toxic Substances in water | Arsenic                 | 12/1/2003       | 11/30/2010    | 22     | 2.12      | 0        |             | 190.00   | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 27     | 187.20    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | NS      | bacteria   | 5c  |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0607\_03 From the confluence with Black Creek upstream to the confluence with Willow Creek (0607C)

**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            | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 35.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 112    | 9.32      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 136    | 160.89    | 0        |             | 300.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 112    | 35.99     | 0        |             | 150.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 28     |           | 3        | 0.83        | 0.33     | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|----------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Pentachlorobenzene         | 12/1/2003       | 11/30/2010    | 7      | 0.50      | 0        |             | 1.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | DDT                        | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Dicofol (Kelthane)         | 12/1/2003       | 11/30/2010    | 5      | 0.04      | 0        |             | 0.08     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Pentachlorophenol (PCP)    | 12/1/2003       | 11/30/2010    | 6      | 0.50      | 0        |             | 1.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | 2,4,5-Trichlorophenol      | 12/1/2003       | 11/30/2010    | 4      | 3.06      | 0        |             | 1,194.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Nitrobenzene               | 12/1/2003       | 11/30/2010    | 7      | 3.39      | 0        |             | 11.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | DDE                        | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | 1,2,4,5-Tetrachlorobenzene | 12/1/2003       | 11/30/2010    | 6      | 0.33      | 0        |             | 0.65     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Cresols                    | 12/1/2003       | 11/30/2010    | 7      | 25.06     | 0        |             | 736.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | N-Nitroso-di-n-butylamine  | 12/1/2003       | 11/30/2010    | 7      | 0.06      | 0        |             | 0.12     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0607\_03**

From the confluence with Black Creek upstream to the confluence with Willow Creek (0607C)

**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 |
|------------------------------------|-------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Di-n-butyl phthalate    | 12/1/2003       | 11/30/2010    | 7      | 8.96      | 0        |             | 1,318.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Silvex                  | 12/1/2003       | 11/30/2010    | 8      | 0.25      | 0        |             | 7.30     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Pyridine                | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 23.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Bis(2-chloroethyl)ether | 12/1/2003       | 11/30/2010    | 7      | 0.15      | 0        |             | 0.30     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | m-Dichlorobenzene       | 12/1/2003       | 11/30/2010    | 4      | 2.55      | 0        |             | 473.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | o-Dichlorobenzene       | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 600.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | 2,4-Dimethylphenol      | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 257.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | PCBs                    | 12/1/2003       | 11/30/2010    | 5      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | N-Nitrosodiethylamine   | 12/1/2003       | 11/30/2010    | 7      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Chromium                | 12/1/2003       | 11/30/2010    | 80     | 2.41      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Aldrin                  | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Toxaphene               | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | gamma-BHC (Lindane)     | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.20     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Benzidine               | 12/1/2003       | 11/30/2010    | 7      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Benzo(a)anthracene      | 12/1/2003       | 11/30/2010    | 7      | 0.03      | 0        |             | 0.07     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Benzo(a)pyrene          | 12/1/2003       | 11/30/2010    | 5      | 0.03      | 0        |             | 0.07     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Chlordane               | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Chrysene                | 12/1/2003       | 11/30/2010    | 7      | 8.96      | 0        |             | 68.13    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | DDD                     | 12/1/2003       | 11/30/2010    | 6      | 0.01      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Dieldrin                | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Methoxychlor            | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.33     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0607\_03** From the confluence with Black Creek upstream to the confluence with Willow Creek (0607C)

**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 |
|------------------------------------|----------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Heptachlor                 | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Heptachlor epoxide         | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Hexachlorobenzene (HCB)    | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Hexachlorobutadiene (HCBd) | 12/1/2003       | 11/30/2010    | 4      | 2.55      | 0        |             | 6.50     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Hexachloroethane           | 12/1/2003       | 11/30/2010    | 3      | 2.56      | 0        |             | 27.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water | Lead                       | 12/1/2003       | 11/30/2010    | 80     | 0.86      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Endrin                     | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.20     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Cadmium                    | 12/1/2003       | 11/30/2010    | 80     | 0.12      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**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 | DDE                        | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Nitrobenzene               | 12/1/2003       | 11/30/2010    | 7      | 3.39      | 0        |             | 11.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | 2,4,5-Trichlorophenol      | 12/1/2003       | 11/30/2010    | 4      | 3.06      | 0        |             | 1,194.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Pentachlorophenol (PCP)    | 12/1/2003       | 11/30/2010    | 6      | 0.50      | 0        |             | 1.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | 1,3-Dichlorobenzene        | 12/1/2003       | 11/30/2010    | 4      | 2.55      | 0        |             | 75.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | DDT                        | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Bis(2-ethylhexyl)phthalate | 12/1/2003       | 11/30/2010    | 7      | 2.68      | 0        |             | 6.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Toxaphene                  | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | 1,2,4,5-Tetrachlorobenzene | 12/1/2003       | 11/30/2010    | 6      | 0.33      | 0        |             | 0.65     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Hexachlorocyclopentadiene  | 12/1/2003       | 11/30/2010    | 3      | 5.12      | 0        |             | 50.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | gamma-BHC (Lindane)        | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.20     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0607\_03**

From the confluence with Black Creek upstream to the confluence with Willow Creek (0607C)

**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 | Cresols                   | 12/1/2003       | 11/30/2010    | 7      | 25.06     | 0        |             | 736.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | N-Nitrosodiethylamine     | 12/1/2003       | 11/30/2010    | 7      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | N-Nitroso-di-n-butylamine | 12/1/2003       | 11/30/2010    | 7      | 0.06      | 0        |             | 0.12     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Pentachlorobenzene        | 12/1/2003       | 11/30/2010    | 7      | 0.50      | 0        |             | 1.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Silvex                    | 12/1/2003       | 11/30/2010    | 8      | 0.25      | 0        |             | 7.30     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Pyridine                  | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 23.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Bis(2-chloroethyl)ether   | 12/1/2003       | 11/30/2010    | 7      | 0.15      | 0        |             | 0.30     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | m-Dichlorobenzene         | 12/1/2003       | 11/30/2010    | 4      | 2.55      | 0        |             | 473.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | 2,4-Dimethylphenol        | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 257.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Di-n-butyl phthalate      | 12/1/2003       | 11/30/2010    | 7      | 8.96      | 0        |             | 1,318.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Selenium                  | 12/1/2003       | 11/30/2010    | 79     | 0.20      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | o-Dichlorobenzene         | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 600.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | DDD                       | 12/1/2003       | 11/30/2010    | 6      | 0.01      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | 2,4-D                     | 12/1/2003       | 11/30/2010    | 8      | 0.25      | 0        |             | 70.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Aldrin                    | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Anthracene                | 12/1/2003       | 11/30/2010    | 7      | 8.96      | 0        |             | 5,569.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Arsenic                   | 12/1/2003       | 11/30/2010    | 80     | 1.60      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Barium                    | 12/1/2003       | 11/30/2010    | 40     | 204.38    | 0        |             | 2,000.00 | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Benzidine                 | 12/1/2003       | 11/30/2010    | 7      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Benzo(a)anthracene        | 12/1/2003       | 11/30/2010    | 7      | 0.03      | 0        |             | 0.07     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Benzo(a)pyrene            | 12/1/2003       | 11/30/2010    | 5      | 0.03      | 0        |             | 0.07     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0607\_03 From the confluence with Black Creek upstream to the confluence with Willow Creek (0607C)

**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      | Cadmium                    | 12/1/2003       | 11/30/2010    | 80     | 0.12      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average      | PCBs                       | 12/1/2003       | 11/30/2010    | 5      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Chrysene                   | 12/1/2003       | 11/30/2010    | 7      | 8.96      | 0        |             | 68.13    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Dicofol (Kelthane)         | 12/1/2003       | 11/30/2010    | 5      | 0.04      | 0        |             | 0.08     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Dieldrin                   | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Endrin                     | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.20     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Heptachlor                 | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Heptachlor epoxide         | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Hexachlorobenzene (HCB)    | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Hexachlorobutadiene (HCBD) | 12/1/2003       | 11/30/2010    | 4      | 2.55      | 0        |             | 6.50     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Hexachloroethane           | 12/1/2003       | 11/30/2010    | 3      | 2.56      | 0        |             | 27.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average      | Lead                       | 12/1/2003       | 11/30/2010    | 80     | 0.86      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average      | Methoxychlor               | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.33     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Nitrate                    | 12/1/2003       | 11/30/2010    | 101    | 0.11      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average      | Chlordane                  | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water Toxic Substances average concern | Atrazine                   | 12/1/2003       | 11/30/2010    | 9      | 0.15      | 0        |             | 3.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water Toxic Substances average concern | Alachlor                   | 12/1/2003       | 11/30/2010    | 9      | 0.15      | 0        |             | 2.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0607\_04**

From the confluence with Willow Creek (0607C) upstream to the confluence with Mayhaw Slough near oil fields

**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     | 12/1/2003       | 11/30/2010    | 24     |           | 15       | 3.51        | 5.00     | AD      | CS  | <input type="checkbox"/>            | CS      | depressed dissolved oxygen |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2003       | 11/30/2010    | 24     |           | 3        | 2.13        | 3.00     | AD      | FS  | <input checked="" type="checkbox"/> | NS      | depressed dissolved oxygen | 5b  |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2003       | 11/30/2010    | 3      |           | 3        | 2.41        | 5.00     | ID      | NA  | <input checked="" type="checkbox"/> | NS      | depressed dissolved oxygen | 5b  |
| Dissolved Oxygen 24hr minimum         | Dissolved Oxygen 24hr Min | 12/1/2003       | 11/30/2010    | 3      |           | 2        | 0.55        | 3.00     | ID      | NA  | <input checked="" type="checkbox"/> | NS      | depressed dissolved oxygen | 5b  |
| Acute Toxic Substances in water       | Lead                      | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 31.73    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Zinc                      | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 65.98    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Nickel                    | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 816.68   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Copper                    | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 9.99     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Chromium                  | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 322.23   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Cadmium                   | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 15.75    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Arsenic                   | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 360.00   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Aluminum                  | 12/1/2003       | 11/30/2010    | 22     |           | 7        | 4108.71     | 991.00   | AD      | NS  | <input type="checkbox"/>            | PI      | aluminum in water          |     |
| Acute Toxic Substances in water       | Selenium                  | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 20.00    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Arsenic                   | 12/1/2003       | 11/30/2010    | 22     | 1.58      | 0        |             | 190.00   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Cadmium                   | 12/1/2003       | 11/30/2010    | 22     | 0.08      | 0        |             | 0.36     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Chromium                  | 12/1/2003       | 11/30/2010    | 22     | 2.27      | 0        |             | 59.06    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Copper                    | 12/1/2003       | 11/30/2010    | 20     | 1.73      | 0        |             | 3.89     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Lead                      | 12/1/2003       | 11/30/2010    | 22     | 0.77      | 1        |             | 0.45     | AD      | NS  | <input type="checkbox"/>            | PI      | lead in water              |     |
| Chronic Toxic Substances in water     | Nickel                    | 12/1/2003       | 11/30/2010    | 22     | 2.70      | 0        |             | 50.29    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Selenium                  | 12/1/2003       | 11/30/2010    | 21     | 0.21      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Zinc                      | 12/1/2003       | 11/30/2010    | 22     | 4.04      | 0        |             | 33.38    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0607\_04** From the confluence with Willow Creek (0607C) upstream to the confluence with Mayhaw Slough near oil fields

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 26     | 61.07     | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 35.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 136    | 160.89    | 0        |             | 300.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 112    | 35.99     | 0        |             | 150.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 112    | 9.32      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|----------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Silvex                     | 12/1/2003       | 11/30/2010    | 8      | 0.25      | 0        |             | 7.30     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | 1,2,4,5-Tetrachlorobenzene | 12/1/2003       | 11/30/2010    | 6      | 0.33      | 0        |             | 0.65     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Dicofol (Kelthane)         | 12/1/2003       | 11/30/2010    | 5      | 0.04      | 0        |             | 0.08     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Di-n-butyl phthalate       | 12/1/2003       | 11/30/2010    | 7      | 8.96      | 0        |             | 1,318.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Pentachlorophenol (PCP)    | 12/1/2003       | 11/30/2010    | 6      | 0.50      | 0        |             | 1.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | 2,4,5-Trichlorophenol      | 12/1/2003       | 11/30/2010    | 4      | 3.06      | 0        |             | 1,194.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Nitrobenzene               | 12/1/2003       | 11/30/2010    | 7      | 3.39      | 0        |             | 11.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | DDE                        | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0607\_04**

From the confluence with Willow Creek (0607C) upstream to the confluence with Mayhaw Slough near oil fields

**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 |
|------------------------------------|----------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | DDT                        | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Cresols                    | 12/1/2003       | 11/30/2010    | 7      | 25.06     | 0        |             | 736.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | N-Nitrosodiethylamine      | 12/1/2003       | 11/30/2010    | 7      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Toxaphene                  | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Pentachlorobenzene         | 12/1/2003       | 11/30/2010    | 7      | 0.50      | 0        |             | 1.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Hexachlorobutadiene (HCBd) | 12/1/2003       | 11/30/2010    | 4      | 2.55      | 0        |             | 6.50     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Pyridine                   | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 23.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Bis(2-chloroethyl)ether    | 12/1/2003       | 11/30/2010    | 7      | 0.15      | 0        |             | 0.30     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | m-Dichlorobenzene          | 12/1/2003       | 11/30/2010    | 4      | 2.55      | 0        |             | 473.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | o-Dichlorobenzene          | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 600.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | 2,4-Dimethylphenol         | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 257.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | N-Nitroso-di-n-butylamine  | 12/1/2003       | 11/30/2010    | 7      | 0.06      | 0        |             | 0.12     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | DDD                        | 12/1/2003       | 11/30/2010    | 6      | 0.01      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Aldrin                     | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Benzidine                  | 12/1/2003       | 11/30/2010    | 7      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Benzo(a)anthracene         | 12/1/2003       | 11/30/2010    | 7      | 0.03      | 0        |             | 0.07     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Benzo(a)pyrene             | 12/1/2003       | 11/30/2010    | 5      | 0.03      | 0        |             | 0.07     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Cadmium                    | 12/1/2003       | 11/30/2010    | 80     | 0.12      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chlordane                  | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Lead                       | 12/1/2003       | 11/30/2010    | 80     | 0.86      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chrysene                   | 12/1/2003       | 11/30/2010    | 7      | 8.96      | 0        |             | 68.13    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0607\_04 From the confluence with Willow Creek (0607C) upstream to the confluence with Mayhaw Slough near oil fields

### 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 |
|------------------------------------|-------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | gamma-BHC (Lindane)     | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.20     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Dieldrin                | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Endrin                  | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.20     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Heptachlor              | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Heptachlor epoxide      | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Hexachlorobenzene (HCB) | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Hexachloroethane        | 12/1/2003       | 11/30/2010    | 3      | 2.56      | 0        |             | 27.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water | Methoxychlor            | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.33     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | PCBs                    | 12/1/2003       | 11/30/2010    | 5      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Chromium                | 12/1/2003       | 11/30/2010    | 80     | 2.41      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

### 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 | Anthracene              | 12/1/2003       | 11/30/2010    | 7      | 8.96      | 0        |             | 5,569.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Pentachlorobenzene      | 12/1/2003       | 11/30/2010    | 7      | 0.50      | 0        |             | 1.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | gamma-BHC (Lindane)     | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.20     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Toxaphene               | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Di-n-butyl phthalate    | 12/1/2003       | 11/30/2010    | 7      | 8.96      | 0        |             | 1,318.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | DDT                     | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Dicofol (Kelthane)      | 12/1/2003       | 11/30/2010    | 5      | 0.04      | 0        |             | 0.08     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Pentachlorophenol (PCP) | 12/1/2003       | 11/30/2010    | 6      | 0.50      | 0        |             | 1.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | 2,4,5-Trichlorophenol   | 12/1/2003       | 11/30/2010    | 4      | 3.06      | 0        |             | 1,194.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0607\_04**

From the confluence with Willow Creek (0607C) upstream to the confluence with Mayhaw Slough near oil fields

**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 | Nitrobenzene               | 12/1/2003       | 11/30/2010    | 7      | 3.39      | 0        |             | 11.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | DDE                        | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | 1,3-Dichlorobenzene        | 12/1/2003       | 11/30/2010    | 4      | 2.55      | 0        |             | 75.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | N-Nitrosodiethylamine      | 12/1/2003       | 11/30/2010    | 7      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Cresols                    | 12/1/2003       | 11/30/2010    | 7      | 25.06     | 0        |             | 736.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Silvex                     | 12/1/2003       | 11/30/2010    | 8      | 0.25      | 0        |             | 7.30     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Pyridine                   | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 23.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Bis(2-chloroethyl)ether    | 12/1/2003       | 11/30/2010    | 7      | 0.15      | 0        |             | 0.30     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | m-Dichlorobenzene          | 12/1/2003       | 11/30/2010    | 4      | 2.55      | 0        |             | 473.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | o-Dichlorobenzene          | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 600.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | 2,4-Dimethylphenol         | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 257.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Hexachlorocyclopentadiene  | 12/1/2003       | 11/30/2010    | 3      | 5.12      | 0        |             | 50.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Bis(2-ethylhexyl)phthalate | 12/1/2003       | 11/30/2010    | 7      | 2.68      | 0        |             | 6.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Aldrin                     | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | 1,2,4,5-Tetrachlorobenzene | 12/1/2003       | 11/30/2010    | 6      | 0.33      | 0        |             | 0.65     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | 2,4-D                      | 12/1/2003       | 11/30/2010    | 8      | 0.25      | 0        |             | 70.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Arsenic                    | 12/1/2003       | 11/30/2010    | 80     | 1.60      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Barium                     | 12/1/2003       | 11/30/2010    | 40     | 204.38    | 0        |             | 2,000.00 | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Benzidine                  | 12/1/2003       | 11/30/2010    | 7      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Benzo(a)anthracene         | 12/1/2003       | 11/30/2010    | 7      | 0.03      | 0        |             | 0.07     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Benzo(a)pyrene             | 12/1/2003       | 11/30/2010    | 5      | 0.03      | 0        |             | 0.07     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0607\_04**

From the confluence with Willow Creek (0607C) upstream to the confluence with Mayhaw Slough near oil fields

**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      | Cadmium                     | 12/1/2003       | 11/30/2010    | 80     | 0.12      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average      | Chlordane                   | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Chrysene                    | 12/1/2003       | 11/30/2010    | 7      | 8.96      | 0        |             | 68.13    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | DDD                         | 12/1/2003       | 11/30/2010    | 6      | 0.01      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Selenium                    | 12/1/2003       | 11/30/2010    | 79     | 0.20      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average      | Dieldrin                    | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Endrin                      | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.20     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Heptachlor                  | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Heptachlor epoxide          | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Hexachlorobenzene (HCB)     | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Hexachlorobutadiene (HCBBD) | 12/1/2003       | 11/30/2010    | 4      | 2.55      | 0        |             | 6.50     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Hexachloroethane            | 12/1/2003       | 11/30/2010    | 3      | 2.56      | 0        |             | 27.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average      | Lead                        | 12/1/2003       | 11/30/2010    | 80     | 0.86      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average      | Methoxychlor                | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.33     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Nitrate                     | 12/1/2003       | 11/30/2010    | 101    | 0.11      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average      | PCBs                        | 12/1/2003       | 11/30/2010    | 5      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | N-Nitroso-di-n-butylamine   | 12/1/2003       | 11/30/2010    | 7      | 0.06      | 0        |             | 0.12     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water Toxic Substances average concern | Alachlor                    | 12/1/2003       | 11/30/2010    | 9      | 0.15      | 0        |             | 2.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water Toxic Substances average concern | Atrazine                    | 12/1/2003       | 11/30/2010    | 9      | 0.15      | 0        |             | 3.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0607\_05 From the confluence with Mayhaw Slough near oil fields upstream to the headwaters

**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 |
|------------------|------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Dissolved Solids | Chloride               | 12/1/2003       | 11/30/2010    | 112    | 35.99     |          |             | 150.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids | Sulfate                | 12/1/2003       | 11/30/2010    | 112    | 9.32      |          |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 136    | 160.89    |          |             | 300.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**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 |
|------------------------------------|----------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Pentachlorobenzene         | 12/1/2003       | 11/30/2010    | 7      | 0.50      | 0        |             | 1.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Di-n-butyl phthalate       | 12/1/2003       | 11/30/2010    | 7      | 8.96      | 0        |             | 1,318.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | DDT                        | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Dicofol (Kelthane)         | 12/1/2003       | 11/30/2010    | 5      | 0.04      | 0        |             | 0.08     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Pentachlorophenol (PCP)    | 12/1/2003       | 11/30/2010    | 6      | 0.50      | 0        |             | 1.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | 2,4,5-Trichlorophenol      | 12/1/2003       | 11/30/2010    | 4      | 3.06      | 0        |             | 1,194.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Nitrobenzene               | 12/1/2003       | 11/30/2010    | 7      | 3.39      | 0        |             | 11.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | DDE                        | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | 1,2,4,5-Tetrachlorobenzene | 12/1/2003       | 11/30/2010    | 6      | 0.33      | 0        |             | 0.65     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Cresols                    | 12/1/2003       | 11/30/2010    | 7      | 25.06     | 0        |             | 736.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | N-Nitroso-di-n-butylamine  | 12/1/2003       | 11/30/2010    | 7      | 0.06      | 0        |             | 0.12     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Silvex                     | 12/1/2003       | 11/30/2010    | 8      | 0.25      | 0        |             | 7.30     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Pyridine                   | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 23.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Bis(2-chloroethyl)ether    | 12/1/2003       | 11/30/2010    | 7      | 0.15      | 0        |             | 0.30     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | m-Dichlorobenzene          | 12/1/2003       | 11/30/2010    | 4      | 2.55      | 0        |             | 473.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | o-Dichlorobenzene          | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 600.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0607\_05**

From the confluence with Mayhaw Slough near oil fields upstream to the headwaters

**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 |
|------------------------------------|-----------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | 2,4-Dimethylphenol          | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 257.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Chlordane                   | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Toxaphene                   | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | N-Nitrosodiethylamine       | 12/1/2003       | 11/30/2010    | 7      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Cadmium                     | 12/1/2003       | 11/30/2010    | 80     | 0.12      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chrysene                    | 12/1/2003       | 11/30/2010    | 7      | 8.96      | 0        |             | 68.13    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | gamma-BHC (Lindane)         | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.20     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Benzidine                   | 12/1/2003       | 11/30/2010    | 7      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Benzo(a)anthracene          | 12/1/2003       | 11/30/2010    | 7      | 0.03      | 0        |             | 0.07     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Benzo(a)pyrene              | 12/1/2003       | 11/30/2010    | 5      | 0.03      | 0        |             | 0.07     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Aldrin                      | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Chromium                    | 12/1/2003       | 11/30/2010    | 80     | 2.41      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | DDD                         | 12/1/2003       | 11/30/2010    | 6      | 0.01      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Dieldrin                    | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Methoxychlor                | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.33     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Heptachlor                  | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Heptachlor epoxide          | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Hexachlorobenzene (HCB)     | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Hexachlorobutadiene (HCBBD) | 12/1/2003       | 11/30/2010    | 4      | 2.55      | 0        |             | 6.50     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Hexachloroethane            | 12/1/2003       | 11/30/2010    | 3      | 2.56      | 0        |             | 27.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water | Lead                        | 12/1/2003       | 11/30/2010    | 80     | 0.86      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0607\_05 From the confluence with Mayhaw Slough near oil fields upstream to the headwaters

**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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Endrin    | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.20     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | PCBs      | 12/1/2003       | 11/30/2010    | 5      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | 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 | 1,2,4,5-Tetrachlorobenzene | 12/1/2003       | 11/30/2010    | 6      | 0.33      | 0        |             | 0.65     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | DDE                        | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Nitrobenzene               | 12/1/2003       | 11/30/2010    | 7      | 3.39      | 0        |             | 11.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | 2,4,5-Trichlorophenol      | 12/1/2003       | 11/30/2010    | 4      | 3.06      | 0        |             | 1,194.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Pentachlorophenol (PCP)    | 12/1/2003       | 11/30/2010    | 6      | 0.50      | 0        |             | 1.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Dicofol (Kelthane)         | 12/1/2003       | 11/30/2010    | 5      | 0.04      | 0        |             | 0.08     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Toxaphene                  | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Di-n-butyl phthalate       | 12/1/2003       | 11/30/2010    | 7      | 8.96      | 0        |             | 1,318.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Cresols                    | 12/1/2003       | 11/30/2010    | 7      | 25.06     | 0        |             | 736.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | gamma-BHC (Lindane)        | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.20     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | DDT                        | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | N-Nitrosodiethylamine      | 12/1/2003       | 11/30/2010    | 7      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | N-Nitroso-di-n-butylamine  | 12/1/2003       | 11/30/2010    | 7      | 0.06      | 0        |             | 0.12     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Pentachlorobenzene         | 12/1/2003       | 11/30/2010    | 7      | 0.50      | 0        |             | 1.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Silvex                     | 12/1/2003       | 11/30/2010    | 8      | 0.25      | 0        |             | 7.30     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Pyridine                   | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 23.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Bis(2-chloroethyl)ether    | 12/1/2003       | 11/30/2010    | 7      | 0.15      | 0        |             | 0.30     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0607\_05**

From the confluence with Mayhaw Slough near oil fields upstream to the headwaters

**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 | m-Dichlorobenzene          | 12/1/2003       | 11/30/2010    | 4      | 2.55      | 0        |             | 473.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | o-Dichlorobenzene          | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 600.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Hexachlorocyclopentadiene  | 12/1/2003       | 11/30/2010    | 3      | 5.12      | 0        |             | 50.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average | Bis(2-ethylhexyl)phthalate | 12/1/2003       | 11/30/2010    | 7      | 2.68      | 0        |             | 6.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Aldrin                     | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | 1,3-Dichlorobenzene        | 12/1/2003       | 11/30/2010    | 4      | 2.55      | 0        |             | 75.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | 2,4-Dimethylphenol         | 12/1/2003       | 11/30/2010    | 5      | 2.55      | 0        |             | 257.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Benzo(a)pyrene             | 12/1/2003       | 11/30/2010    | 5      | 0.03      | 0        |             | 0.07     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | 2,4-D                      | 12/1/2003       | 11/30/2010    | 8      | 0.25      | 0        |             | 70.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Arsenic                    | 12/1/2003       | 11/30/2010    | 80     | 1.60      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Anthracene                 | 12/1/2003       | 11/30/2010    | 7      | 8.96      | 0        |             | 5,569.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Barium                     | 12/1/2003       | 11/30/2010    | 40     | 204.38    | 0        |             | 2,000.00 | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium                   | 12/1/2003       | 11/30/2010    | 79     | 0.20      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Benzo(a)anthracene         | 12/1/2003       | 11/30/2010    | 7      | 0.03      | 0        |             | 0.07     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Cadmium                    | 12/1/2003       | 11/30/2010    | 80     | 0.12      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Chlordane                  | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Chrysene                   | 12/1/2003       | 11/30/2010    | 7      | 8.96      | 0        |             | 68.13    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | DDD                        | 12/1/2003       | 11/30/2010    | 6      | 0.01      | 0        |             | 0.01     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | PCBs                       | 12/1/2003       | 11/30/2010    | 5      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Endrin                     | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.20     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Heptachlor                 | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0607\_05**

From the confluence with Mayhaw Slough near oil fields upstream to the headwaters

**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      | Heptachlor epoxide         | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Hexachlorobenzene (HCB)    | 12/1/2003       | 11/30/2010    | 8      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Benzidine                  | 12/1/2003       | 11/30/2010    | 7      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Hexachlorobutadiene (HCBD) | 12/1/2003       | 11/30/2010    | 4      | 2.55      | 0        |             | 6.50     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Hexachloroethane           | 12/1/2003       | 11/30/2010    | 3      | 2.56      | 0        |             | 27.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Surface Water HH criteria for PWS average      | Lead                       | 12/1/2003       | 11/30/2010    | 80     | 0.86      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average      | Methoxychlor               | 12/1/2003       | 11/30/2010    | 8      | 0.03      | 0        |             | 0.33     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average      | Nitrate                    | 12/1/2003       | 11/30/2010    | 101    | 0.11      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average      | Dieldrin                   | 12/1/2003       | 11/30/2010    | 6      | 0.00      | 0        |             | 0.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water Toxic Substances average concern | Alachlor                   | 12/1/2003       | 11/30/2010    | 9      | 0.15      | 0        |             | 2.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water Toxic Substances average concern | Atrazine                   | 12/1/2003       | 11/30/2010    | 9      | 0.15      | 0        |             | 3.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0607A Boggy Creek (unclassified water body)**

**AUID 0607A\_02**

From the confluence with unnamed tributary 0.39 km downstream of CR 421 upstream to confluence with unnamed tributary 4 km downstream of the crossing of the Southern Pacific Railroad, per WQS App. D, at NHD RC 12020007003034.

**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     | 12/1/2003       | 11/30/2010    | 4      |           | 3        | 2.43        | 5.00     | LD      | CS  | <input type="checkbox"/>            | CS      | depressed dissolved oxygen |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2003       | 11/30/2010    | 4      |           | 2        | 2.15        | 3.00     | LD      | CN  | <input checked="" type="checkbox"/> | NS      | depressed dissolved oxygen | 5b  |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2000       | 11/30/2010    | 9      |           | 7        | 2.72        | 5.00     | LD      | NS  | <input type="checkbox"/>            | NS      | depressed dissolved oxygen | 5b  |
| Dissolved Oxygen 24hr minimum         | Dissolved Oxygen 24hr Min | 12/1/2000       | 11/30/2010    | 9      |           | 4        | 1.18        | 3.00     | LD      | NS  | <input type="checkbox"/>            | NS      | depressed dissolved oxygen | 5b  |
| Habitat                               | Habitat                   | 12/1/2003       | 11/30/2010    | 0      | 14.00     |          |             | 20.00    | ID      | NA  | <input checked="" type="checkbox"/> | CS      | impaired habitat           |     |

**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 | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 5      |           | 0        |             | 14.10    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 1.95     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 6      |           | 0        |             | 0.37     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.33     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.69     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0607B Little Pine Island Bayou (unclassified water body)**

**AUID 0607B\_01**

From the confluence with Pine Island Bayou (0607) at the Hardin/Jefferson Counties border upstream to unnamed tributary 1.1 km SE of intersection of FM 770 and FM 787 at NHD RC 12020007000021, same tributary as Big Thicket National Park boundary.

**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     | 12/1/2003       | 11/30/2010    | 23     |           | 12       | 3.68        | 5.00     | AD      | CS  | <input type="checkbox"/> | CS      | depressed dissolved oxygen |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2003       | 11/30/2010    | 23     |           | 1        | 1.2         | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2003       | 11/30/2010    | 12     |           | 7        | 3.46        | 5.00     | AD      | NS  | <input type="checkbox"/> | NS      | depressed dissolved oxygen | 5b  |
| Dissolved Oxygen 24hr minimum         | Dissolved Oxygen 24hr Min | 12/1/2003       | 11/30/2010    | 12     |           | 4        | 2.45        | 3.00     | AD      | NS  | <input type="checkbox"/> | NS      | depressed dissolved oxygen | 5b  |
| Acute Toxic Substances in water       | Chromium                  | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 226.80   | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Zinc                      | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 45.88    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Selenium                  | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 20.00    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Nickel                    | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 568.21   | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Copper                    | 12/1/2003       | 11/30/2010    | 19     |           | 0        |             | 6.67     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Cadmium                   | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 9.71     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Arsenic                   | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 360.00   | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Aluminum                  | 12/1/2003       | 11/30/2010    | 22     |           | 7        | 2812        | 991.00   | AD      | NS  | <input type="checkbox"/> | PI      | aluminum in water          |     |
| Acute Toxic Substances in water       | Lead                      | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 18.38    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Copper                    | 12/1/2003       | 11/30/2010    | 19     | 1.80      | 0        |             | 4.14     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Selenium                  | 12/1/2003       | 11/30/2010    | 22     | 0.21      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Zinc                      | 12/1/2003       | 11/30/2010    | 22     | 4.47      | 0        |             | 35.54    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Lead                      | 12/1/2003       | 11/30/2010    | 22     | 0.69      | 1        |             | 0.50     | AD      | NS  | <input type="checkbox"/> | PI      | lead in water              |     |
| Chronic Toxic Substances in water     | Cadmium                   | 12/1/2003       | 11/30/2010    | 22     | 0.08      | 0        |             | 0.38     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Arsenic                   | 12/1/2003       | 11/30/2010    | 22     | 1.94      | 0        |             | 190.00   | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0607B\_01

From the confluence with Pine Island Bayou (0607) at the Hardin/Jefferson Counties border upstream to unnamed tributary 1.1 km SE of intersection of FM 770 and FM 787 at NHD RC 12020007000021, same tributary as Big Thicket National Park boundary.

**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 |
|-----------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Chronic Toxic Substances in water | Nickel    | 12/1/2003       | 11/30/2010    | 22     | 2.49      | 0        |             | 53.55    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | Chromium  | 12/1/2003       | 11/30/2010    | 22     | 2.08      | 0        |             | 62.76    | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 27     | 105.22    | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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 |
|---------------------------|------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 28     |           | 1        | 0.49        | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 22     | 2.08      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 22     | 0.72      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0607B\_02

From the confluence with unnamed tributary 1.1 km SE of intersection of FM 770 and 787 upstream to headwaters 5.5 km SE of City of Segno in Polk County at NHD RC 12020007000151.

**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 | 12/1/2003       | 11/30/2010    | 7      |           | 2        | 1.75        | 5.00     | LD      | CS  | <input type="checkbox"/> | CS      | depressed dissolved oxygen |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 7      |           | 2        | 1.75        | 3.00     | LD      | CN  | <input type="checkbox"/> | CN      | depressed dissolved oxygen |     |

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 12     | 108.30    | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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 |
|---------------------------|------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 22     | 0.72      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 22     | 2.08      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0607C Willow Creek (unclassified water body)**

**AUID 0607C\_01**

From the confluence with Pine Island Bayou (0607) at the State Hwy 326 bridge at NHD RC 12020007000258 upstream to headwaters NE of Devers in Liberty County at NHD RC 12020007000200.

**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     | 12/1/2003       | 11/30/2010    | 24     |           | 10       | 3.4         | 5.00     | AD      | CS  | <input type="checkbox"/>            | CS      | depressed dissolved oxygen |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2003       | 11/30/2010    | 24     |           | 4        | 2.43        | 3.00     | AD      | CN  | <input checked="" type="checkbox"/> | NS      | depressed dissolved oxygen | 5b  |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2000       | 11/30/2010    | 6      |           | 5        | 2.88        | 5.00     | LD      | NS  | <input type="checkbox"/>            | NS      | depressed dissolved oxygen | 5b  |
| Dissolved Oxygen 24hr minimum         | Dissolved Oxygen 24hr Min | 12/1/2000       | 11/30/2010    | 6      |           | 4        | 2.05        | 3.00     | LD      | NS  | <input type="checkbox"/>            | NS      | depressed dissolved oxygen | 5b  |
| Acute Toxic Substances in water       | Chromium                  | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 336.30   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Selenium                  | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 20.00    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Nickel                    | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 853.55   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Copper                    | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 10.49    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Zinc                      | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 68.96    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Cadmium                   | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 16.70    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Arsenic                   | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 360.00   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Aluminum                  | 12/1/2003       | 11/30/2010    | 22     |           | 10       | 4342.3      | 991.00   | AD      | NS  | <input checked="" type="checkbox"/> | PI      | aluminum in water          |     |
| Acute Toxic Substances in water       | Lead                      | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 33.91    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Lead                      | 12/1/2003       | 11/30/2010    | 22     | 0.95      | 1        |             | 0.50     | AD      | NS  | <input checked="" type="checkbox"/> | PI      | lead in water              |     |
| Chronic Toxic Substances in water     | Zinc                      | 12/1/2003       | 11/30/2010    | 22     | 3.95      | 0        |             | 35.54    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Selenium                  | 12/1/2003       | 11/30/2010    | 22     | 0.21      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Nickel                    | 12/1/2003       | 11/30/2010    | 22     | 2.80      | 0        |             | 53.55    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Copper                    | 12/1/2003       | 11/30/2010    | 20     | 2.20      | 0        |             | 4.14     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Chromium                  | 12/1/2003       | 11/30/2010    | 22     | 2.73      | 0        |             | 62.76    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0607C\_01

From the confluence with Pine Island Bayou (0607) at the State Hwy 326 bridge at NHD RC 12020007000258 upstream to headwaters NE of Devers in Liberty County at NHD RC 12020007000200.

**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 |
|-----------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Chronic Toxic Substances in water | Arsenic   | 12/1/2003       | 11/30/2010    | 22     | 2.68      | 0        |             | 190.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | Cadmium   | 12/1/2003       | 11/30/2010    | 22     | 0.09      | 0        |             | 0.38     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 25     | 117.73    | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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 |
|---------------------------|------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 22     | 0.98      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 22     | 2.73      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID**    0608    Village Creek

**AUID**    0608\_01    From the confluence with Neches River (0602) upstream to confluence with Cypress Creek (0608C)

**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 | 12/1/2003       | 11/30/2010    | 40     |           | 0        |             | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 40     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 16     |           | 0        |             | 991.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Arsenic               | 12/1/2003       | 11/30/2010    | 18     |           | 0        |             | 360.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2003       | 11/30/2010    | 18     |           | 0        |             | 4.74     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003       | 11/30/2010    | 17     |           | 0        |             | 134.80   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2003       | 11/30/2010    | 17     |           | 0        |             | 3.66     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2003       | 11/30/2010    | 17     |           | 0        |             | 8.19     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003       | 11/30/2010    | 17     |           | 0        |             | 331.99   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Selenium              | 12/1/2003       | 11/30/2010    | 18     |           | 0        |             | 20.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003       | 11/30/2010    | 17     |           | 0        |             | 26.78    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2003       | 11/30/2010    | 18     | 0.07      | 0        |             | 0.22     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003       | 11/30/2010    | 17     | 2.61      | 0        |             | 19.75    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Selenium              | 12/1/2003       | 11/30/2010    | 18     | 0.45      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003       | 11/30/2010    | 17     | 2.23      | 0        |             | 29.79    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2003       | 11/30/2010    | 17     | 0.14      | 0        |             | 0.21     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003       | 11/30/2010    | 17     | 1.78      | 0        |             | 35.57    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Arsenic               | 12/1/2003       | 11/30/2010    | 18     | 1.17      | 0        |             | 190.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2003       | 11/30/2010    | 17     | 0.90      | 0        |             | 2.29     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0608\_01** From the confluence with Neches River (0602) upstream to confluence with Cypress Creek (0608C)

**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 |
|------------------------------|----------------------------|-----------------|---------------|--------|-----------|----------|-------------|-----------|---------|-----|--------------------------|---------|------------|-----|
| Toxic Substances in sediment | Hexachloroethane           | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 13,770.00 | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Toxic Substances in sediment | Nitrobenzene               | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 161.06    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Toxic Substances in sediment | Di-n-butyl phthalate       | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 43.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Toxic Substances in sediment | Acenaphthene               | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 89.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Toxic Substances in sediment | Benz(a)anthracene          | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 1,050.00  | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Toxic Substances in sediment | Pyrene                     | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 1,520.00  | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Toxic Substances in sediment | Phenanthrene               | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 1,170.00  | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Toxic Substances in sediment | Naphthalene                | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 561.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Toxic Substances in sediment | Fluorene                   | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 536.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Toxic Substances in sediment | Fluoranthene               | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 2,230.00  | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Toxic Substances in sediment | Dibenz(a,h)anthracene      | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 140.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Toxic Substances in sediment | Chrysene                   | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 1,290.00  | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Toxic Substances in sediment | Benzo(a)pyrene             | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 1,450.00  | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Toxic Substances in sediment | Acenaphthylene             | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 130.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Toxic Substances in sediment | Anthracene                 | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 845.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Toxic Substances in sediment | Hexachlorobutadiene (HCBD) | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 550.00    | ID      | NA  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 39     | 30.69     | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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 | 12/1/2003       | 11/30/2010    | 40     |           | 0        |             | 32.20    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0608\_01** From the confluence with Neches River (0602) upstream to confluence with Cypress Creek (0608C)

**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 |
|---------------------------|------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 40     |           | 0        |             | 8.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 40     |           | 0        |             | 5.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 80     | 58.31     | 0        |             | 300.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 80     | 10.61     | 0        |             | 150.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 80     | 3.01      | 0        |             | 75.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 14.10    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 39     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 37     |           | 0        |             | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 38     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | 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 | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NS  | <input type="checkbox"/> | NS      | mercury in edible tissue | 5c  |
| HH Bioaccumulative Toxics in water              | Chromium               | 12/1/2003       | 11/30/2010    | 29     | 1.77      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| HH Bioaccumulative Toxics in water              | Lead                   | 12/1/2003       | 11/30/2010    | 29     | 0.41      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| HH Bioaccumulative Toxics in water              | Cadmium                | 12/1/2003       | 11/30/2010    | 30     | 0.16      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| Bioaccumulative Toxics in fish tissue           | DDE                    | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 5.45     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue           | PCBs                   | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.13     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue           | Pyridine               | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 17.73    | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue           | Selenium               | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 4.38     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue           | Benz(a)anthracene      | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.32     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0608\_01** From the confluence with Neches River (0602) upstream to confluence with Cypress Creek (0608C)

**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 | beta-BHC                   | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 1.28     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Toxaphene                  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.83     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | DDT                        | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 5.28     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Nitrobenzene               | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 8.87     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | 1,2,4,5-Tetrachlorobenzene | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 5.32     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | BHC-alpha isomer           | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.37     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | N-Nitrosodiethylamine      | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.01     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | N-Nitroso-di-n-butylamine  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.43     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Pentachlorobenzene         | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 14.19    | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobutadiene (HCBd) | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 11.14    | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Pentachlorophenol (PCP)    | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 532.00   | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Chromium                   | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 5.25     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Mercury                    | 12/1/2003       | 11/30/2010    | 2      |           | 1        | 0.84        | 0.53     | ID      | NA  | <input checked="" type="checkbox"/> | CS      | mercury in edible tissue |     |
| Bioaccumulative Toxics in fish tissue | Lead                       | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.60     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Aldrin                     | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.14     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Arsenic                    | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.04     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Benzidine                  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.00     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Benzo(a)pyrene             | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.32     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Chlordane                  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.30     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Chrysene                   | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.32     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Copper                     | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 250.00   | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0608\_01 From the confluence with Neches River (0602) upstream to confluence with Cypress Creek (0608C)

### 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 | DDD                     | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 9.61     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Dieldrin                | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.06     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor              | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.20     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobenzene (HCB) | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.61     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachloroethane        | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 164.67   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Cadmium                 | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.23     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

### 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   | 12/1/2003       | 11/30/2010    | 67     | 0.07      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 29     | 0.41      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003       | 11/30/2010    | 30     | 0.36      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 30     | 0.16      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Barium    | 12/1/2003       | 11/30/2010    | 6      | 197.80    | 0        |             | 2,000.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003       | 11/30/2010    | 29     | 1.08      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 26     | 0.10      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0608\_02** From the confluence with Cypress Creek (0608C) upstream to confluence with Beech Creek (0608A)

**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 | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |                   |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 330.29   | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Selenium              | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 20.00    | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 8.13     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 3.64     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 4.71     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Arsenic               | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 360.00   | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 20     |           | 4        | 1519.75     | 991.00   | AD      | NS  | <input type="checkbox"/> | PI      | aluminum in water |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 134.14   | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 26.65    | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003       | 11/30/2010    | 20     | 1.49      | 0        |             | 35.57    | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003       | 11/30/2010    | 20     | 2.88      | 0        |             | 19.75    | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Selenium              | 12/1/2003       | 11/30/2010    | 20     | 0.43      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003       | 11/30/2010    | 20     | 1.76      | 0        |             | 29.79    | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2003       | 11/30/2010    | 20     | 0.86      | 0        |             | 2.29     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2003       | 11/30/2010    | 20     | 0.06      | 0        |             | 0.22     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Arsenic               | 12/1/2003       | 11/30/2010    | 19     | 0.90      | 0        |             | 190.00   | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2003       | 11/30/2010    | 20     | 0.46      | 1        |             | 0.21     | AD      | NS  | <input type="checkbox"/> | PI      | lead in water     |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0608\_02** From the confluence with Cypress Creek (0608C) upstream to confluence with Beech Creek (0608A)

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 26     | 65.74     | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 32.20    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 8.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 26     |           | 1        | 5.3         | 5.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 80     | 10.61     | 0        |             | 150.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 80     | 3.01      | 0        |             | 75.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 80     | 58.31     | 0        |             | 300.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 28     |           | 1        | 0.67        | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | 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    | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NS  | <input type="checkbox"/> | NS      | mercury in edible tissue | 5c  |
| HH Bioaccumulative Toxics in water              | Cadmium                   | 12/1/2003       | 11/30/2010    | 30     | 0.16      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| HH Bioaccumulative Toxics in water              | Chromium                  | 12/1/2003       | 11/30/2010    | 29     | 1.77      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| HH Bioaccumulative Toxics in water              | Lead                      | 12/1/2003       | 11/30/2010    | 29     | 0.41      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| Bioaccumulative Toxics in fish tissue           | Pentachlorophenol (PCP)   | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 532.00   | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue           | N-Nitroso-di-n-butylamine | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.43     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue           | Benz(a)anthracene         | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.32     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue           | Selenium                  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 4.38     | ID      | NA  | <input type="checkbox"/> | NA      |                          |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0608\_02** From the confluence with Cypress Creek (0608C) upstream to confluence with Beech Creek (0608A)

**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 | beta-BHC                   | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 1.28     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Toxaphene                  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.83     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | DDT                        | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 5.28     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Nitrobenzene               | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 8.87     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | DDE                        | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 5.45     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | 1,2,4,5-Tetrachlorobenzene | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 5.32     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | PCBs                       | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.13     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | N-Nitrosodiethylamine      | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.01     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor                 | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.20     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Pentachlorobenzene         | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 14.19    | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Pyridine                   | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 17.73    | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | BHC-alpha isomer           | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.37     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Chromium                   | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 5.25     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Aldrin                     | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.14     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Arsenic                    | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.04     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Benzidine                  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.00     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Benzo(a)pyrene             | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.32     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobutadiene (HCBd) | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 11.14    | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Chlordane                  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.30     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Mercury                    | 12/1/2003       | 11/30/2010    | 2      |           | 1        | 0.84        | 0.53     | ID      | NA  | <input checked="" type="checkbox"/> | CS      | mercury in edible tissue |     |
| Bioaccumulative Toxics in fish tissue | Chrysene                   | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.32     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0608\_02 From the confluence with Cypress Creek (0608C) upstream to confluence with Beech Creek (0608A)

### 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 | Copper                  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 250.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | DDD                     | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 9.61     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Dieldrin                | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.06     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobenzene (HCB) | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.61     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachloroethane        | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 164.67   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Lead                    | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.60     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Cadmium                 | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.23     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

### 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 | Lead      | 12/1/2003       | 11/30/2010    | 29     | 0.41      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 67     | 0.07      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003       | 11/30/2010    | 30     | 0.36      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 30     | 0.16      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003       | 11/30/2010    | 29     | 1.08      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Barium    | 12/1/2003       | 11/30/2010    | 6      | 197.80    | 0        |             | 2,000.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 26     | 0.10      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0608\_03 From the confluence with Beech Creek (0608A) upstream to confluence with Big Sandy Creek and Kimball Creek in Hardin County

**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 | 12/1/2003       | 11/30/2010    | 12     |           | 0        |             | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 12     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 13     | 84.63     | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 12     |           | 0        |             | 32.20    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 12     |           | 0        |             | 8.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 12     |           | 0        |             | 5.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 80     | 10.61     | 0        |             | 150.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 80     | 3.01      | 0        |             | 75.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 80     | 58.31     | 0        |             | 300.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | 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 | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NS  | <input type="checkbox"/> | NS      | mercury in edible tissue | 5c  |
| HH Bioaccumulative Toxics in water              | Lead                   | 12/1/2003       | 11/30/2010    | 29     | 0.41      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| HH Bioaccumulative Toxics in water              | Cadmium                | 12/1/2003       | 11/30/2010    | 30     | 0.16      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| HH Bioaccumulative Toxics in water              | Chromium               | 12/1/2003       | 11/30/2010    | 29     | 1.77      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0608\_03** From the confluence with Beech Creek (0608A) upstream to confluence with Big Sandy Creek and Kimball Creek in Hardin County

**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 | Nitrobenzene              | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 8.87     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | PCBs                      | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.13     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Selenium                  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 4.38     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Benz(a)anthracene         | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.32     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | beta-BHC                  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 1.28     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Toxaphene                 | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.83     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | DDT                       | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 5.28     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | DDE                       | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 5.45     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Mercury                   | 12/1/2003       | 11/30/2010    | 2      |           | 1        | 0.84        | 0.53     | ID      | NA  | <input checked="" type="checkbox"/> | CS      | mercury in edible tissue |     |
| Bioaccumulative Toxics in fish tissue | BHC-alpha isomer          | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.37     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | N-Nitrosodiethylamine     | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.01     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | N-Nitroso-di-n-butylamine | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.43     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Pentachlorobenzene        | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 14.19    | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Pyridine                  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 17.73    | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Pentachlorophenol (PCP)   | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 532.00   | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Cadmium                   | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.23     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Aldrin                    | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.14     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Arsenic                   | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.04     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Lead                      | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.60     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Benzo(a)pyrene            | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.32     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |
| Bioaccumulative Toxics in fish tissue | Chlordane                 | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.30     | ID      | NA  | <input type="checkbox"/>            | NA      |                          |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0608\_03 From the confluence with Beech Creek (0608A) upstream to confluence with Big Sandy Creek and Kimball Creek in Hardin County

**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 | Chromium                    | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 5.25     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | 1,2,4,5-Tetrachlorobenzene  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 5.32     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachloroethane            | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 164.67   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Copper                      | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 250.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | DDD                         | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 9.61     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Dieldrin                    | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.06     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor                  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.20     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobenzene (HCB)     | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.61     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobutadiene (HCBBD) | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 11.14    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Chrysene                    | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.32     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Benzidine                   | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

**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 | Selenium  | 12/1/2003       | 11/30/2010    | 30     | 0.36      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 67     | 0.07      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 29     | 0.41      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 26     | 0.10      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 30     | 0.16      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003       | 11/30/2010    | 29     | 1.08      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Barium    | 12/1/2003       | 11/30/2010    | 6      | 197.80    | 0        |             | 2,000.00 | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0608A Beech Creek (unclassified water body)**

**AUID 0608A\_01**

From the confluence with Village Creek (0608) at NHD RC 12020006000017 upstream to the confluence with Drakes Branch 0.35 km upstream of FM1943 RD E at NHD RC 12020006000025

**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     | 12/1/2003       | 11/30/2010    | 29     |           | 2        | 4.45        | 5.00     | AD      | NC  | <input type="checkbox"/>            | NC      |                   |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2003       | 11/30/2010    | 29     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 5.00     | LD      | NC  | <input type="checkbox"/>            | NC      |                   |     |
| Dissolved Oxygen 24hr minimum         | Dissolved Oxygen 24hr Min | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 3.00     | LD      | NC  | <input type="checkbox"/>            | NC      |                   |     |
| Acute Toxic Substances in water       | Arsenic                   | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 360.00   | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Cadmium                   | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 2.94     | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Chromium                  | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 95.17    | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Copper                    | 12/1/2003       | 11/30/2010    | 21     |           | 1        | 5.04        | 2.46     | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Lead                      | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 4.77     | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Nickel                    | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 231.69   | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Selenium                  | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 20.00    | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Zinc                      | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 18.68    | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Aluminum                  | 12/1/2003       | 11/30/2010    | 20     |           | 2        | 1121        | 991.00   | AD      | FS  | <input checked="" type="checkbox"/> | PI      | aluminum in water |     |
| Chronic Toxic Substances in water     | Copper                    | 12/1/2003       | 11/30/2010    | 21     | 1.11      | 0        |             | 4.14     | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Chronic Toxic Substances in water     | Zinc                      | 12/1/2003       | 11/30/2010    | 21     | 4.36      | 0        |             | 35.54    | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Chronic Toxic Substances in water     | Selenium                  | 12/1/2003       | 11/30/2010    | 21     | 0.40      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Chronic Toxic Substances in water     | Lead                      | 12/1/2003       | 11/30/2010    | 20     | 0.66      | 1        |             | 0.50     | AD      | NS  | <input checked="" type="checkbox"/> | PI      | lead in water     |     |
| Chronic Toxic Substances in water     | Chromium                  | 12/1/2003       | 11/30/2010    | 21     | 1.50      | 0        |             | 62.76    | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Chronic Toxic Substances in water     | Cadmium                   | 12/1/2003       | 11/30/2010    | 21     | 0.08      | 0        |             | 0.38     | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0608A\_01**

From the confluence with Village Creek (0608) at NHD RC 12020006000017 upstream to the confluence with Drakes Branch 0.35 km upstream of FM1943 RD E at NHD RC 12020006000025

**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 |
|-----------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Chronic Toxic Substances in water | Arsenic   | 12/1/2003       | 11/30/2010    | 20     | 1.17      | 0        |             | 190.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water | Nickel    | 12/1/2003       | 11/30/2010    | 21     | 1.67      | 0        |             | 53.55    | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 28     | 110.02    | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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 |
|---------------------------|------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|-------------------------------------|---------|------------|-----|
| Low pH                    | pH               | 12/1/2003       | 11/30/2010    | 35     |           | 24       | 4.9         | 6.00     | JQ      | CN  | <input checked="" type="checkbox"/> | CN      | pH         |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/>            | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 28     |           | 1        | 0.41        | 0.33     | AD      | NC  | <input type="checkbox"/>            | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/>            | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 21     | 1.50      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 20     | 0.70      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0608A\_02 From the confluence with Drakes Branch upstream to headwaters 0.62 km south of FM 1746 at NHD RC 12020006000035.

### 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     | 12/1/2000       | 11/30/2010    | 15     |           | 2        | 3.4         | 5.00     | AD      | NC  | <input type="checkbox"/>            | NC      |                  |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2000       | 11/30/2010    | 15     |           | 1        | 2.1         | 3.00     | AD      | FS  | <input type="checkbox"/>            | FS      |                  |     |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2000       | 11/30/2010    | 14     |           | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/>            | FS      |                  |     |
| Dissolved Oxygen 24hr minimum         | Dissolved Oxygen 24hr Min | 12/1/2000       | 11/30/2010    | 17     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/>            | FS      |                  |     |
| Habitat                               | Habitat                   | 12/1/2003       | 11/30/2010    |        | 16.00     |          |             | 20.00    | ID      | NA  | <input checked="" type="checkbox"/> | CS      | impaired habitat |     |

### 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 |
|---------------------------|------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|-------------------------------------|---------|------------|-----|
| Low pH                    | pH               | 12/1/2003       | 11/30/2010    | 24     |           | 10       | 5.8         | 6.00     | JQ      | CN  | <input checked="" type="checkbox"/> | CN      | pH         |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/>            | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/>            | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 0.33     | AD      | NC  | <input type="checkbox"/>            | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/>            | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 14.10    | AD      | NC  | <input type="checkbox"/>            | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 21     | 1.50      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 20     | 0.70      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0608B Big Sandy Creek (unclassified water body)**

**AUID 0608B\_03**

From the confluence of Village Creek (0608) and Kimball Creek in Hardin County at NHD RC 12020006000109 upstream to the confluence with Bear Creek in Polk County at NHD RC 12020006000119.

**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 | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 13     | 55.21     | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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 |
|---------------------------|------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 10     | 1.01      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 10     | 0.41      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0608B\_04 From the confluence with Bear Creek in Polk County upstream to headwaters about 5 km SE of intersection of US Hwy 59 and FM 62 at NHD RC 12020006000133.

**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 | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 17.02    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 43.58    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Selenium              | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 20.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 539.81   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Arsenic               | 12/1/2003       | 11/30/2010    | 9      |           | 0        |             | 360.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 9.07     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 215.82   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 10     |           | 1        | 4868        | 991.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 6.30     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003       | 11/30/2010    | 10     | 1.31      | 0        |             | 53.55    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Selenium              | 12/1/2003       | 11/30/2010    | 10     | 0.24      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2003       | 11/30/2010    | 10     | 0.41      | 0        |             | 0.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2003       | 11/30/2010    | 10     | 0.53      | 0        |             | 4.14     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003       | 11/30/2010    | 10     | 1.01      | 0        |             | 62.76    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2003       | 11/30/2010    | 10     | 0.05      | 0        |             | 0.38     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Arsenic               | 12/1/2003       | 11/30/2010    | 9      | 0.78      | 0        |             | 190.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003       | 11/30/2010    | 10     | 1.19      | 0        |             | 35.54    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0608B\_04 From the confluence with Bear Creek in Polk County upstream to headwaters about 5 km SE of intersection of US Hwy 59 and FM 62 at NHD RC 12020006000133.

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 28     | 174.78    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | NS      | bacteria   | 5b  |

**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 | Nitrate          | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 28     |           | 1        | 0.36        | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 10     | 1.01      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 10     | 0.41      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0608C Cypress Creek (unclassified water body)**

**AUID 0608C\_01**

Upper portion from the confluence with unnamed tributary upstream of Pea Monk Branch upstream to confluence with Bad Luck Creek, per WQS App. D, at NHD RC 12020006000148.

**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     | 12/1/2003       | 11/30/2010    | 17     |           | 5        | 3.6         | 5.00     | AD      | CS  | <input type="checkbox"/> | CS      | depressed dissolved oxygen |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2003       | 11/30/2010    | 17     |           | 2        | 2.35        | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2000       | 11/30/2010    | 7      |           | 6        | 3.65        | 5.00     | LD      | NS  | <input type="checkbox"/> | NS      | depressed dissolved oxygen | 5b  |
| Dissolved Oxygen 24hr minimum         | Dissolved Oxygen 24hr Min | 12/1/2000       | 11/30/2010    | 7      |           | 3        | 2.5         | 3.00     | LD      | NS  | <input type="checkbox"/> | NS      | depressed dissolved oxygen | 5b  |
| Acute Toxic Substances in water       | Aluminum                  | 12/1/2003       | 11/30/2010    | 18     |           | 4        | 1890.5      | 991.00   | AD      | NS  | <input type="checkbox"/> | PI      | aluminum in water          |     |
| Acute Toxic Substances in water       | Arsenic                   | 12/1/2003       | 11/30/2010    | 17     |           | 0        |             | 360.00   | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Cadmium                   | 12/1/2003       | 11/30/2010    | 18     |           | 0        |             | 13.32    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Chromium                  | 12/1/2003       | 11/30/2010    | 18     |           | 0        |             | 285.33   | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Copper                    | 12/1/2003       | 11/30/2010    | 18     |           | 0        |             | 8.68     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Lead                      | 12/1/2003       | 11/30/2010    | 18     |           | 0        |             | 26.26    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Nickel                    | 12/1/2003       | 11/30/2010    | 18     |           | 0        |             | 720.28   | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Selenium                  | 12/1/2003       | 11/30/2010    | 18     |           | 0        |             | 20.00    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Zinc                      | 12/1/2003       | 11/30/2010    | 18     |           | 1        | 9.55        | 58.18    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Arsenic                   | 12/1/2003       | 11/30/2010    | 17     | 6.21      | 0        |             | 190.00   | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Zinc                      | 12/1/2003       | 11/30/2010    | 18     | 5.96      | 0        |             | 35.54    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Selenium                  | 12/1/2003       | 11/30/2010    | 18     | 0.49      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Nickel                    | 12/1/2003       | 11/30/2010    | 18     | 2.41      | 0        |             | 53.55    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Lead                      | 12/1/2003       | 11/30/2010    | 18     | 0.81      | 1        |             | 0.50     | AD      | NS  | <input type="checkbox"/> | PI      | lead in water              |     |
| Chronic Toxic Substances in water     | Copper                    | 12/1/2003       | 11/30/2010    | 18     | 1.40      | 0        |             | 4.14     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0608C\_01**

Upper portion from the confluence with unnamed tributary upstream of Pea Monk Branch upstream to confluence with Bad Luck Creek, per WQS App. D, at NHD RC 12020006000148.

**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 |
|-----------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|-------------------------------------|---------|------------------|-----|
| Chronic Toxic Substances in water | Cadmium   | 12/1/2003       | 11/30/2010    | 18     | 0.09      | 0        |             | 0.38     | AD      | FS  | <input type="checkbox"/>            | FS      |                  |     |
| Chronic Toxic Substances in water | Chromium  | 12/1/2003       | 11/30/2010    | 18     | 1.81      | 0        |             | 62.76    | AD      | FS  | <input type="checkbox"/>            | FS      |                  |     |
| Habitat                           | Habitat   | 12/1/2003       | 11/30/2010    |        | 14.50     |          |             | 20.00    | ID      | NA  | <input checked="" type="checkbox"/> | CS      | impaired habitat |     |

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 19     | 100.93    | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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 |
|---------------------------|------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|-------------------------------------|---------|------------|-----|
| Low pH                    | pH               | 12/1/2003       | 11/30/2010    | 34     |           | 12       | 5.3         | 6.00     | JQ      | CN  | <input checked="" type="checkbox"/> | CN      | pH         |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 25     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/>            | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 5      |           | 0        |             | 14.10    | LD      | NC  | <input type="checkbox"/>            | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 25     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/>            | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 5      |           | 0        |             | 0.37     | LD      | NC  | <input type="checkbox"/>            | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 25     |           | 1        | 0.34        | 0.33     | AD      | NC  | <input type="checkbox"/>            | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 18     | 1.81      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 18     | 0.91      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River**

**AUID**   **0608C\_02**

Lower portion from the confluence with Village Creek (0608), per WQS App. D, upstream to confluence with unnamed tributary upstream of Pea Monk Branch at NHD RC 12020006000135.

**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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 18     | 1.81      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 18     | 0.91      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0608D Hickory Creek (unclassified water body)**

**AUID 0608D\_01** Entire water body

**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 | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |                   |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Arsenic               | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 360.00   | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 21.63    | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Selenium              | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 20.00    | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 268.23   | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 5.94     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 2.89     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 3.57     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 20     |           | 6        | 1421        | 991.00   | AD      | NS  | <input type="checkbox"/> | PI      | aluminum in water |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 109.66   | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2003       | 11/30/2010    | 21     | 0.83      | 0        |             | 4.14     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Selenium              | 12/1/2003       | 11/30/2010    | 21     | 0.40      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003       | 11/30/2010    | 21     | 2.09      | 0        |             | 35.54    | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2003       | 11/30/2010    | 20     | 0.39      | 0        |             | 0.50     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2003       | 11/30/2010    | 21     | 0.08      | 0        |             | 0.38     | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Arsenic               | 12/1/2003       | 11/30/2010    | 20     | 1.17      | 0        |             | 190.00   | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003       | 11/30/2010    | 21     | 1.81      | 0        |             | 53.55    | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003       | 11/30/2010    | 21     | 1.59      | 0        |             | 62.76    | AD      | FS  | <input type="checkbox"/> | FS      |                   |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0608D\_01 Entire water body

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 28     | 78.93     | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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 |
|---------------------------|------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 28     |           | 1        | 0.54        | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 21     | 1.59      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 20     | 0.43      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**SEGID** 0608E Mill Creek in Hardin County (unclassified water body)

**AUID** 0608E\_01 Entire water body

**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 24hr average | Dissolved Oxygen 24hr Avg | 12/1/2003       | 11/30/2010    | 4      |           | 2        | 0.55        | 2.00     | LD      | CN  | <input checked="" type="checkbox"/> | NS      | depressed dissolved oxygen | 5c  |
| Dissolved Oxygen 24hr minimum | Dissolved Oxygen 24hr Min | 12/1/2003       | 11/30/2010    | 4      |           | 2        | 0.28        | 1.50     | LD      | CN  | <input checked="" type="checkbox"/> | NS      | depressed dissolved oxygen | 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 |
|---------------------------|------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.33     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.69     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 14.10    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.37     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0608F Turkey Creek (unclassified water body)**

**AUID 0608F\_01**

From the confluence with Village Creek (0608) in Hardin County, per WQS App. D, upstream to confluence with Big Cypress Creek in Tyler County about 0.88 km north of FM 1943 RD E at NHD RC 12020006000052.

**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 | 12/1/2003       | 11/30/2010    | 12     |           | 0        |             | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 12     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 13     | 70.38     | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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 |
|---------------------------|------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 21     | 1.46      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 21     | 0.47      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0608F\_02

From the confluence with Big Cypress Creek in Tyler County upstream to confluence with unnamed tributary about 1.6 km above U.S. 69 north of City of Woodville, per WQS App. D, at NHD RC 12020006000057

**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 | 12/1/2003       | 11/30/2010    | 34     |           | 0        |             | 5.00     | AD      | NC  | <input type="checkbox"/>            | NC      |                   |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 34     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 7.40     | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Selenium              | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 20.00    | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 21.18    | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 50.41    | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 248.43   | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 11.01    | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Arsenic               | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 360.00   | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 21     |           | 3        | 1581.33     | 991.00   | AD      | NS  | <input checked="" type="checkbox"/> | PI      | aluminum in water |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 624.28   | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2003       | 11/30/2010    | 21     | 0.43      | 0        |             | 0.50     | AD      | FS  | <input checked="" type="checkbox"/> | PI      | lead in water     |     |
| Chronic Toxic Substances in water     | Selenium              | 12/1/2003       | 11/30/2010    | 21     | 0.40      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003       | 11/30/2010    | 21     | 2.41      | 0        |             | 35.54    | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003       | 11/30/2010    | 21     | 1.79      | 0        |             | 53.55    | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2003       | 11/30/2010    | 20     | 1.05      | 0        |             | 4.14     | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003       | 11/30/2010    | 21     | 1.46      | 0        |             | 62.76    | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Chronic Toxic Substances in water     | Arsenic               | 12/1/2003       | 11/30/2010    | 20     | 2.15      | 0        |             | 190.00   | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2003       | 11/30/2010    | 21     | 0.08      | 0        |             | 0.38     | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0608F\_02** From the confluence with Big Cypress Creek in Tyler County upstream to confluence with unnamed tributary about 1.6 km above U.S. 69 north of City of Woodville, per WQS App. D, at NHD RC 12020006000057

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 28     | 151.48    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | NS      | bacteria   | 5b  |

**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 | Total Phosphorus | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 28     |           | 1        | 0.49        | 0.33     | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 21     | 0.47      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 21     | 1.46      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**SEGID** **0608G** **Lake Kimball (unclassified water body)**

**AUID** **0608G\_01** Entire lake

**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 | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NS  | <input type="checkbox"/> | NS      | mercury in edible tissue | 5c  |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID**    **0609**    **Angelina River Below Sam Rayburn Reservoir**

**AUID**    **0609\_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 | 12/1/2003       | 11/30/2010    | 27     |           | 1        | 4.63        | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 511.12   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Selenium              | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 20.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 15.67    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 5.93     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 204.70   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 8.43     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Arsenic               | 12/1/2003       | 11/30/2010    | 9      |           | 0        |             | 360.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 8      |           | 0        |             | 991.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 41.26    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Arsenic               | 12/1/2003       | 11/30/2010    | 9      | 1.08      | 0        |             | 190.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2003       | 11/30/2010    | 10     | 0.05      | 0        |             | 0.31     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003       | 11/30/2010    | 10     | 0.95      | 0        |             | 51.51    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2003       | 11/30/2010    | 10     | 0.40      | 0        |             | 3.37     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2003       | 11/30/2010    | 10     | 0.07      | 0        |             | 0.37     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003       | 11/30/2010    | 10     | 1.40      | 0        |             | 43.66    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Selenium              | 12/1/2003       | 11/30/2010    | 10     | 0.22      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003       | 11/30/2010    | 10     | 1.14      | 0        |             | 28.97    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0609\_01 Entire Segment

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 28     | 11.00     | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 32.20    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 28     | 83.71     | 0        |             | 250.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 28     | 11.96     | 0        |             | 70.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 28     | 19.41     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Cadmium   | 12/1/2000       | 11/30/2010    | 12     | 0.11      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2000       | 11/30/2010    | 13     | 2.58      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2000       | 11/30/2010    | 12     | 0.11      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**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 | Arsenic   | 12/1/2000       | 11/30/2010    | 12     | 2.28      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2000       | 11/30/2010    | 13     | 0.53      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2000       | 11/30/2010    | 40     | 0.05      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River**

**AUID** 0609\_01 Entire Segment

**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 | Lead      | 12/1/2000       | 11/30/2010    | 12     | 0.11      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Barium    | 12/1/2000       | 11/30/2010    | 13     | 290.39    | 0        |             | 2,000.00 | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2000       | 11/30/2010    | 12     | 0.11      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID**    **0610**    **Sam Rayburn Reservoir**

**AUID**    **0610\_01**    **Sam Rayburn main pool by the dam to the Bear Creek and Ayish Arms**

**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 | 12/1/2003       | 11/30/2010    | 56     |           | 1        | 4.83        | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 56     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 17.18    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 991.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Selenium              | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 20.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 43.86    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 543.18   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 217.12   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Arsenic               | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 360.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 9.14     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 6.34     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2003       | 11/30/2010    | 27     | 0.74      | 0        |             | 4.01     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003       | 11/30/2010    | 27     | 2.00      | 0        |             | 34.46    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Selenium              | 12/1/2003       | 11/30/2010    | 28     | 0.57      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2003       | 11/30/2010    | 28     | 0.11      | 0        |             | 0.48     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003       | 11/30/2010    | 27     | 1.78      | 0        |             | 60.91    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2003       | 11/30/2010    | 28     | 0.09      | 0        |             | 0.37     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Arsenic               | 12/1/2003       | 11/30/2010    | 28     | 1.35      | 0        |             | 190.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003       | 11/30/2010    | 27     | 2.22      | 0        |             | 51.92    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0610\_01 Sam Rayburn main pool by the dam to the Bear Creek and Ayish Arms

**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 |
|------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|-----------|---------|-----|--------------------------|---------|-----------------------|-----|
| Toxic Substances in sediment | Nickel    | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 48.60     | AD      | NC  | <input type="checkbox"/> | NC      |                       |     |
| Toxic Substances in sediment | Manganese | 12/1/2003       | 11/30/2010    | 28     |           | 12       | 1497.5      | 1,100.00  | AD      | CS  | <input type="checkbox"/> | CS      | manganese in sediment |     |
| Toxic Substances in sediment | Iron      | 12/1/2003       | 11/30/2010    | 28     |           | 2        | 47350       | 40,000.00 | AD      | NC  | <input type="checkbox"/> | NC      |                       |     |
| Toxic Substances in sediment | Silver    | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 2.20      | AD      | NC  | <input type="checkbox"/> | NC      |                       |     |
| Toxic Substances in sediment | Mercury   | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 1.06      | AD      | NC  | <input type="checkbox"/> | NC      |                       |     |
| Toxic Substances in sediment | Copper    | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 149.00    | AD      | NC  | <input type="checkbox"/> | NC      |                       |     |
| Toxic Substances in sediment | Zinc      | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 459.00    | AD      | NC  | <input type="checkbox"/> | NC      |                       |     |
| Toxic Substances in sediment | Chromium  | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 111.00    | AD      | NC  | <input type="checkbox"/> | NC      |                       |     |
| Toxic Substances in sediment | Cadmium   | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 4.98      | AD      | NC  | <input type="checkbox"/> | NC      |                       |     |
| Toxic Substances in sediment | Arsenic   | 12/1/2003       | 11/30/2010    | 28     |           | 1        | 36.1        | 33.00     | AD      | NC  | <input type="checkbox"/> | NC      |                       |     |
| Toxic Substances in sediment | Lead      | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 128.00    | AD      | NC  | <input type="checkbox"/> | NC      |                       |     |

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 61     | 1.56      | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 61     |           | 0        |             | 33.90    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH           | pH                     | 12/1/2003       | 11/30/2010    | 61     |           | 1        | 8.6         | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH            | pH                     | 12/1/2003       | 11/30/2010    | 61     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids  | Chloride               | 12/1/2003       | 11/30/2010    | 331    | 13.85     | 0        |             | 100.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids  | Sulfate                | 12/1/2003       | 11/30/2010    | 334    | 20.56     | 0        |             | 100.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids  | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 422    | 92.62     | 0        |             | 400.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0610\_01 Sam Rayburn main pool by the dam to the Bear Creek and Ayish Arms

**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  | 12/1/2003       | 11/30/2010    | 55     |           | 4        | 0.07        | 0.05     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 60     |           | 27       | 0.25        | 0.11     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia    |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 61     |           | 3        | 0.21        | 0.20     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 51     |           | 0        |             | 26.70    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 60     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | 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 | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NS  | <input type="checkbox"/> | NS      | mercury in edible tissue | 5c  |
| HH Bioaccumulative Toxics in water              | Cadmium                | 12/1/2003       | 11/30/2010    | 60     | 0.17      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| HH Bioaccumulative Toxics in water              | Chromium               | 12/1/2003       | 11/30/2010    | 58     | 1.72      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| HH Bioaccumulative Toxics in water              | Lead                   | 12/1/2003       | 11/30/2010    | 59     | 0.22      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |

**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 | Lead      | 12/1/2003       | 11/30/2010    | 59     | 0.22      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 391    | 0.06      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 60     | 0.17      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003       | 11/30/2010    | 60     | 1.33      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 140    | 0.11      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003       | 11/30/2010    | 60     | 0.45      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0610\_02 Sam Rayburn lower Angelina River arm

**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 | 12/1/2003       | 11/30/2010    | 34     |           | 1        | 4.4         | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 34     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 37     | 1.21      | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 37     |           | 0        |             | 33.90    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 37     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 37     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 331    | 13.85     | 0        |             | 100.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 334    | 20.56     | 0        |             | 100.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 422    | 92.62     | 0        |             | 400.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 29     |           | 1        | 0.06        | 0.05     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 37     |           | 27       | 0.25        | 0.11     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia    |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 37     |           | 3        | 0.24        | 0.20     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 26.70    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 37     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | 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 | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NS  | <input type="checkbox"/> | NS      | mercury in edible tissue | 5c  |
| HH Bioaccumulative Toxics in water              | Cadmium                | 12/1/2003       | 11/30/2010    | 60     | 0.17      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0610\_02 Sam Rayburn lower Angelina River arm

**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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 58     | 1.72      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 59     | 0.22      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**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 | Arsenic   | 12/1/2003       | 11/30/2010    | 60     | 1.33      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003       | 11/30/2010    | 60     | 0.45      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 391    | 0.06      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 60     | 0.17      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 140    | 0.11      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 59     | 0.22      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0610\_03 Sam Rayburn mid-Angelina River arm (area around SH 147)

**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 | 12/1/2003       | 11/30/2010    | 51     |           | 0        |             | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |                     |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 51     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |                     |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 6.60     | ID      | NA  | <input type="checkbox"/> | NA      |                     |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 45.44    | ID      | NA  | <input type="checkbox"/> | NA      |                     |     |
| Acute Toxic Substances in water       | Selenium              | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 20.00    | ID      | NA  | <input type="checkbox"/> | NA      |                     |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 18.12    | ID      | NA  | <input type="checkbox"/> | NA      |                     |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 224.72   | ID      | NA  | <input type="checkbox"/> | NA      |                     |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 9.59     | ID      | NA  | <input type="checkbox"/> | NA      |                     |     |
| Acute Toxic Substances in water       | Arsenic               | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 360.00   | ID      | NA  | <input type="checkbox"/> | NA      |                     |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 991.00   | ID      | NA  | <input type="checkbox"/> | NA      |                     |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 562.82   | ID      | NA  | <input type="checkbox"/> | NA      |                     |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003       | 11/30/2010    | 2      | 1.13      | 0        |             | 34.46    | ID      | NA  | <input type="checkbox"/> | NA      |                     |     |
| Chronic Toxic Substances in water     | Selenium              | 12/1/2003       | 11/30/2010    | 2      | 0.13      | 0        |             | 5.00     | ID      | NA  | <input type="checkbox"/> | NA      |                     |     |
| Chronic Toxic Substances in water     | Arsenic               | 12/1/2003       | 11/30/2010    | 2      | 0.88      | 0        |             | 190.00   | ID      | NA  | <input type="checkbox"/> | NA      |                     |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2003       | 11/30/2010    | 2      | 0.05      | 0        |             | 0.37     | ID      | NA  | <input type="checkbox"/> | PI      | cadmium in water    |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003       | 11/30/2010    | 2      | 1.25      | 0        |             | 60.91    | ID      | NA  | <input type="checkbox"/> | NA      |                     |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2003       | 11/30/2010    | 2      | 0.18      | 0        |             | 4.01     | ID      | NA  | <input type="checkbox"/> | NA      |                     |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2003       | 11/30/2010    | 2      | 0.04      | 0        |             | 0.48     | ID      | NA  | <input type="checkbox"/> | NA      |                     |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003       | 11/30/2010    | 2      | 1.50      | 0        |             | 51.92    | ID      | NA  | <input type="checkbox"/> | NA      |                     |     |
| Toxic Substances in sediment          | Arsenic               | 12/1/2003       | 11/30/2010    | 27     |           | 9        | 43.31       | 33.00    | AD      | CS  | <input type="checkbox"/> | CS      | arsenic in sediment |     |
| Toxic Substances in sediment          | Cadmium               | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 4.98     | AD      | NC  | <input type="checkbox"/> | NC      |                     |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0610\_03 Sam Rayburn mid-Angelina River arm (area around SH 147)

**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 |
|------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|-----------|---------|-----|--------------------------|---------|-----------------------|-----|
| Toxic Substances in sediment | Chromium  | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 111.00    | AD      | NC  | <input type="checkbox"/> | NC      |                       |     |
| Toxic Substances in sediment | Copper    | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 149.00    | AD      | NC  | <input type="checkbox"/> | NC      |                       |     |
| Toxic Substances in sediment | Lead      | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 128.00    | AD      | NC  | <input type="checkbox"/> | NC      |                       |     |
| Toxic Substances in sediment | Manganese | 12/1/2003       | 11/30/2010    | 27     |           | 11       | 1352.73     | 1,100.00  | AD      | CS  | <input type="checkbox"/> | CS      | manganese in sediment |     |
| Toxic Substances in sediment | Mercury   | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 1.06      | AD      | NC  | <input type="checkbox"/> | NC      |                       |     |
| Toxic Substances in sediment | Nickel    | 12/1/2003       | 11/30/2010    | 27     |           | 1        | 54.3        | 48.60     | AD      | NC  | <input type="checkbox"/> | NC      |                       |     |
| Toxic Substances in sediment | Silver    | 12/1/2003       | 11/30/2010    | 27     |           | 2        | 3.59        | 2.20      | AD      | NC  | <input type="checkbox"/> | NC      |                       |     |
| Toxic Substances in sediment | Zinc      | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 459.00    | AD      | NC  | <input type="checkbox"/> | NC      |                       |     |
| Toxic Substances in sediment | Iron      | 12/1/2003       | 11/30/2010    | 27     |           | 25       | 59556       | 40,000.00 | AD      | CS  | <input type="checkbox"/> | CS      | iron in sediment      |     |

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 52     | 1.66      | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 52     |           | 0        |             | 33.90    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 52     |           | 2        | 8.65        | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 52     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 422    | 92.62     | 0        |             | 400.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 331    | 13.85     | 0        |             | 100.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 334    | 20.56     | 0        |             | 100.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 52     |           | 3        | 0.41        | 0.20     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 47     |           | 3        | 28.73       | 26.70    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0610\_03 Sam Rayburn mid-Angelina River arm (area around SH 147)

**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 | Ammonia         | 12/1/2003       | 11/30/2010    | 51     |           | 22       | 0.25        | 0.11     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia    |     |
| Nutrient Screening Levels | Orthophosphorus | 12/1/2003       | 11/30/2010    | 51     |           | 5        | 0.08        | 0.05     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate         | 12/1/2003       | 11/30/2010    | 50     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | 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 | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NS  | <input type="checkbox"/> | NS      | mercury in edible tissue | 5c  |
| HH Bioaccumulative Toxics in water              | Cadmium                | 12/1/2003       | 11/30/2010    | 60     | 0.17      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| HH Bioaccumulative Toxics in water              | Chromium               | 12/1/2003       | 11/30/2010    | 58     | 1.72      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| HH Bioaccumulative Toxics in water              | Lead                   | 12/1/2003       | 11/30/2010    | 59     | 0.22      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |

**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 | Cadmium   | 12/1/2003       | 11/30/2010    | 60     | 0.17      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003       | 11/30/2010    | 60     | 0.45      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 391    | 0.06      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 59     | 0.22      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003       | 11/30/2010    | 60     | 1.33      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 140    | 0.11      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0610\_04 Sam Rayburn upper mid-Angelina River arm

**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     | 12/1/2003       | 11/30/2010    | 41     |           | 0        |             | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2003       | 11/30/2010    | 41     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Oxygen 24hr minimum         | Dissolved Oxygen 24hr Min | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Nickel                    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 482.14   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Selenium                  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 20.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Lead                      | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 14.36    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Copper                    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 5.55     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Cadmium                   | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 7.80     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Arsenic                   | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 360.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Aluminum                  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 991.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Zinc                      | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 38.92    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Chromium                  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 193.46   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Copper                    | 12/1/2003       | 11/30/2010    | 1      | 0.31      | 0        |             | 4.01     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Zinc                      | 12/1/2003       | 11/30/2010    | 1      | 0.25      | 0        |             | 34.46    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Selenium                  | 12/1/2003       | 11/30/2010    | 1      | 0.16      | 0        |             | 5.00     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Lead                      | 12/1/2003       | 11/30/2010    | 1      | 0.05      | 0        |             | 0.48     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Chromium                  | 12/1/2003       | 11/30/2010    | 1      | 0.50      | 0        |             | 60.91    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Cadmium                   | 12/1/2003       | 11/30/2010    | 1      | 0.05      | 0        |             | 0.37     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Arsenic                   | 12/1/2003       | 11/30/2010    | 1      | 0.50      | 0        |             | 190.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Nickel                    | 12/1/2003       | 11/30/2010    | 1      | 1.17      | 0        |             | 51.92    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0610\_04 Sam Rayburn upper mid-Angelina River arm

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 43     | 1.60      | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 42     |           | 0        |             | 33.90    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 40     |           | 4        | 8.73        | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 40     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 422    | 92.62     | 0        |             | 400.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 331    | 13.85     | 0        |             | 100.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 334    | 20.56     | 0        |             | 100.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 43     |           | 1        | 0.66        | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 42     |           | 1        | 0.06        | 0.05     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 43     |           | 30       | 0.31        | 0.11     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia    |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 43     |           | 3        | 0.28        | 0.20     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 39     |           | 5        | 37.94       | 26.70    | AD      | NC  | <input type="checkbox"/> | 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 | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NS  | <input type="checkbox"/> | NS      | mercury in edible tissue | 5c  |
| HH Bioaccumulative Toxics in water              | Cadmium                | 12/1/2003       | 11/30/2010    | 60     | 0.17      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| HH Bioaccumulative Toxics in water              | Chromium               | 12/1/2003       | 11/30/2010    | 58     | 1.72      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| HH Bioaccumulative Toxics in water              | Lead                   | 12/1/2003       | 11/30/2010    | 59     | 0.22      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |

**2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River**

**AUID** 0610\_04 Sam Rayburn upper mid-Angelina River arm

**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   | 12/1/2003       | 11/30/2010    | 391    | 0.06      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003       | 11/30/2010    | 60     | 0.45      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 59     | 0.22      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 60     | 0.17      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003       | 11/30/2010    | 60     | 1.33      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 140    | 0.11      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

|             |                |                                     |
|-------------|----------------|-------------------------------------|
| <b>AUID</b> | <b>0610_05</b> | Sam Rayburn lower Attoyac Bayou arm |
|-------------|----------------|-------------------------------------|

|            |                  |
|------------|------------------|
| <b>USE</b> | Aquatic Life Use |
|------------|------------------|

| Method                                | Parameter             | ASMT<br>Start Date | ASMT<br>End Date | # Assd | Mean<br>assd | #<br>exceed | Mean<br>exceed | Criteria | DS<br>Qual | LOS | CF                       | Int<br>LOS | TCEQ Cause | Cat |
|---------------------------------------|-----------------------|--------------------|------------------|--------|--------------|-------------|----------------|----------|------------|-----|--------------------------|------------|------------|-----|
| Dissolved Oxygen grab screening level | Dissolved Oxygen Grab | 12/1/2003          | 11/30/2010       | 30     |              | 0           |                | 5.00     | AD         | NC  | <input type="checkbox"/> | NC         |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003          | 11/30/2010       | 30     |              | 0           |                | 3.00     | AD         | FS  | <input type="checkbox"/> | FS         |            |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003          | 11/30/2010       | 1      |              | 0           |                | 170.51   | ID         | NA  | <input type="checkbox"/> | NA         |            |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003          | 11/30/2010       | 1      |              | 0           |                | 34.16    | ID         | NA  | <input type="checkbox"/> | NA         |            |     |
| Acute Toxic Substances in water       | Selenium              | 12/1/2003          | 11/30/2010       | 1      |              | 0           |                | 20.00    | ID         | NA  | <input type="checkbox"/> | NA         |            |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003          | 11/30/2010       | 1      |              | 0           |                | 423.19   | ID         | NA  | <input type="checkbox"/> | NA         |            |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2003          | 11/30/2010       | 1      |              | 0           |                | 4.80     | ID         | NA  | <input type="checkbox"/> | NA         |            |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2003          | 11/30/2010       | 1      |              | 0           |                | 6.55     | ID         | NA  | <input type="checkbox"/> | NA         |            |     |
| Acute Toxic Substances in water       | Arsenic               | 12/1/2003          | 11/30/2010       | 1      |              | 0           |                | 360.00   | ID         | NA  | <input type="checkbox"/> | NA         |            |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003          | 11/30/2010       | 1      |              | 0           |                | 991.00   | ID         | NA  | <input type="checkbox"/> | NA         |            |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2003          | 11/30/2010       | 1      |              | 0           |                | 11.80    | ID         | NA  | <input type="checkbox"/> | NA         |            |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2003          | 11/30/2010       | 1      | 0.05         | 0           |                | 0.37     | ID         | NA  | <input type="checkbox"/> | NA         |            |     |
| Chronic Toxic Substances in water     | Selenium              | 12/1/2003          | 11/30/2010       | 1      | 0.14         | 0           |                | 5.00     | ID         | NA  | <input type="checkbox"/> | NA         |            |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003          | 11/30/2010       | 1      | 0.25         | 0           |                | 34.46    | ID         | NA  | <input type="checkbox"/> | NA         |            |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003          | 11/30/2010       | 1      | 1.08         | 0           |                | 51.92    | ID         | NA  | <input type="checkbox"/> | NA         |            |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003          | 11/30/2010       | 1      | 0.50         | 0           |                | 60.91    | ID         | NA  | <input type="checkbox"/> | NA         |            |     |
| Chronic Toxic Substances in water     | Arsenic               | 12/1/2003          | 11/30/2010       | 1      | 0.50         | 0           |                | 190.00   | ID         | NA  | <input type="checkbox"/> | NA         |            |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2003          | 11/30/2010       | 1      | 0.45         | 0           |                | 4.01     | ID         | NA  | <input type="checkbox"/> | NA         |            |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2003          | 11/30/2010       | 1      | 0.05         | 0           |                | 0.48     | ID         | NA  | <input type="checkbox"/> | NA         |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0610\_05 Sam Rayburn lower Attoyac Bayou arm

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 31     | 1.46      | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 30     |           | 0        |             | 33.90    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 30     |           | 2        | 8.81        | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 30     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 422    | 92.62     | 0        |             | 400.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 331    | 13.85     | 0        |             | 100.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 334    | 20.56     | 0        |             | 100.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 31     |           | 30       | 0.34        | 0.11     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia    |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 31     |           | 4        | 0.24        | 0.20     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 31     |           | 1        | 0.45        | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 30     |           | 3        | 0.07        | 0.05     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 27     |           | 7        | 35.87       | 26.70    | AD      | NC  | <input type="checkbox"/> | 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 | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NS  | <input type="checkbox"/> | NS      | mercury in edible tissue | 5c  |
| HH Bioaccumulative Toxics in water              | Cadmium                | 12/1/2003       | 11/30/2010    | 60     | 0.17      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| HH Bioaccumulative Toxics in water              | Chromium               | 12/1/2003       | 11/30/2010    | 58     | 1.72      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| HH Bioaccumulative Toxics in water              | Lead                   | 12/1/2003       | 11/30/2010    | 59     | 0.22      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |

**2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River**

**AUID** 0610\_05 Sam Rayburn lower Attoyac Bayou arm

**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 | Arsenic   | 12/1/2003       | 11/30/2010    | 60     | 1.33      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003       | 11/30/2010    | 60     | 0.45      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 391    | 0.06      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 59     | 0.22      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 60     | 0.17      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 140    | 0.11      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0610\_06 Sam Rayburn upper Attoyac Bayou arm

**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     | 12/1/2003       | 11/30/2010    | 28     |           | 2        | 3.06        | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2003       | 11/30/2010    | 28     |           | 1        | 2.34        | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2000       | 11/30/2010    | 12     |           | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Oxygen 24hr minimum         | Dissolved Oxygen 24hr Min | 12/1/2000       | 11/30/2010    | 12     |           | 1        | 2.7         | 3.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 28     | 26.55     | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 33.90    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 334    | 20.56     | 0        |             | 100.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 422    | 92.62     | 0        |             | 400.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 331    | 13.85     | 0        |             | 100.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 27     |           | 5        | 43.12       | 26.70    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 0.20     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 0.11     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 26     |           | 4        | 0.52        | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 27     |           | 2        | 0.07        | 0.05     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0610\_06 Sam Rayburn upper Attoyac Bayou arm

**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 | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NS  | <input type="checkbox"/> | NS      | mercury in edible tissue | 5c  |
| HH Bioaccumulative Toxics in water              | Lead                   | 12/1/2003       | 11/30/2010    | 59     | 0.22      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| HH Bioaccumulative Toxics in water              | Chromium               | 12/1/2003       | 11/30/2010    | 58     | 1.72      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| HH Bioaccumulative Toxics in water              | Cadmium                | 12/1/2003       | 11/30/2010    | 60     | 0.17      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |

**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 | Cadmium   | 12/1/2003       | 11/30/2010    | 60     | 0.17      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 140    | 0.11      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 59     | 0.22      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 391    | 0.06      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003       | 11/30/2010    | 60     | 0.45      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003       | 11/30/2010    | 60     | 1.33      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0610\_07 Sam Rayburn upper Angelina arm

**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     | 12/1/2003       | 11/30/2010    | 40     |           | 1        | 1.4         | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2003       | 11/30/2010    | 40     |           | 1        | 1.4         | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Oxygen 24hr minimum         | Dissolved Oxygen 24hr Min | 12/1/2003       | 11/30/2010    | 10     |           | 1        | 1.5         | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Cadmium                   | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 11.90    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Zinc                      | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 53.48    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Selenium                  | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 20.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Nickel                    | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 662.15   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Lead                      | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 23.14    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Copper                    | 12/1/2003       | 11/30/2010    | 25     |           | 0        |             | 7.91     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Arsenic                   | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 360.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Aluminum                  | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 991.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Chromium                  | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 263.01   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Lead                      | 12/1/2003       | 11/30/2010    | 27     | 0.18      | 0        |             | 0.48     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Zinc                      | 12/1/2003       | 11/30/2010    | 27     | 2.20      | 0        |             | 34.46    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Nickel                    | 12/1/2003       | 11/30/2010    | 27     | 2.47      | 0        |             | 51.92    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Copper                    | 12/1/2003       | 11/30/2010    | 25     | 1.64      | 0        |             | 4.01     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Chromium                  | 12/1/2003       | 11/30/2010    | 27     | 1.78      | 0        |             | 60.91    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Cadmium                   | 12/1/2003       | 11/30/2010    | 28     | 0.09      | 0        |             | 0.37     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Arsenic                   | 12/1/2003       | 11/30/2010    | 28     | 1.75      | 0        |             | 190.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Selenium                  | 12/1/2003       | 11/30/2010    | 28     | 0.57      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0610\_07 Sam Rayburn upper Angelina arm

**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 |
|------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|-----------|---------|-----|--------------------------|---------|------------|-----|
| Toxic Substances in sediment | Cadmium   | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 4.98      | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Mercury   | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 1.06      | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Zinc      | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 459.00    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Silver    | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 2.20      | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Iron      | 12/1/2003       | 11/30/2010    | 28     |           | 4        | 56650       | 40,000.00 | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Nickel    | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 48.60     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Manganese | 12/1/2003       | 11/30/2010    | 28     |           | 2        | 1385        | 1,100.00  | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Lead      | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 128.00    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Chromium  | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 111.00    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Arsenic   | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 33.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Toxic Substances in sediment | Copper    | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 149.00    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 41     | 8.14      | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 41     |           | 0        |             | 33.90    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH           | pH                     | 12/1/2003       | 11/30/2010    | 39     |           | 3        | 8.93        | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH            | pH                     | 12/1/2003       | 11/30/2010    | 39     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids  | Chloride               | 12/1/2003       | 11/30/2010    | 331    | 13.85     | 0        |             | 100.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids  | Sulfate                | 12/1/2003       | 11/30/2010    | 334    | 20.56     | 0        |             | 100.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids  | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 422    | 92.62     | 0        |             | 400.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0610\_07 Sam Rayburn upper Angelina arm

**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 | Nitrate          | 12/1/2003       | 11/30/2010    | 39     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 39     |           | 3        | 0.06        | 0.05     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 40     |           | 4        | 0.16        | 0.11     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 41     |           | 6        | 0.37        | 0.20     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 40     |           | 9        | 34.67       | 26.70    | AD      | NC  | <input type="checkbox"/> | 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 | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NS  | <input type="checkbox"/> | NS      | mercury in edible tissue | 5c  |
| HH Bioaccumulative Toxics in water              | Cadmium                | 12/1/2003       | 11/30/2010    | 60     | 0.17      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| HH Bioaccumulative Toxics in water              | Chromium               | 12/1/2003       | 11/30/2010    | 58     | 1.72      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |
| HH Bioaccumulative Toxics in water              | Lead                   | 12/1/2003       | 11/30/2010    | 59     | 0.22      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |

**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   | 12/1/2003       | 11/30/2010    | 391    | 0.06      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003       | 11/30/2010    | 60     | 0.45      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 59     | 0.22      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 60     | 0.17      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003       | 11/30/2010    | 60     | 1.33      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 140    | 0.11      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0610\_08 Sam Rayburn Bear Creek arm

**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 | 12/1/2003       | 11/30/2010    | 32     |           | 0        |             | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 32     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 37     | 2.37      | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 37     |           | 0        |             | 33.90    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 35     |           | 1        | 8.6         | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 35     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 331    | 13.85     | 0        |             | 100.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 334    | 20.56     | 0        |             | 100.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 422    | 92.62     | 0        |             | 400.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 30     |           | 0        |             | 26.70    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 37     |           | 2        | 0.48        | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 33     |           | 3        | 0.07        | 0.05     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 37     |           | 29       | 0.27        | 0.11     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia    |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 37     |           | 1        | 0.34        | 0.20     | AD      | NC  | <input type="checkbox"/> | 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 | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NS  | <input type="checkbox"/> | NS      | mercury in edible tissue | 5c  |
| HH Bioaccumulative Toxics in water              | Cadmium                | 12/1/2003       | 11/30/2010    | 60     | 0.17      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0610\_08 Sam Rayburn Bear Creek arm

**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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 58     | 1.72      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 59     | 0.22      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**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 | Arsenic   | 12/1/2003       | 11/30/2010    | 60     | 1.33      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 60     | 0.17      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 140    | 0.11      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 59     | 0.22      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 391    | 0.06      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003       | 11/30/2010    | 60     | 0.45      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0610\_09 Sam Rayburn lower Ayish Bayou arm

**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 | 12/1/2003       | 11/30/2010    | 37     |           | 1        | 1.5         | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 37     |           | 1        | 1.5         | 3.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 42     | 1.42      | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 42     |           | 0        |             | 33.90    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 42     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 42     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 422    | 92.62     | 0        |             | 400.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 331    | 13.85     | 0        |             | 100.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 334    | 20.56     | 0        |             | 100.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 42     |           | 2        | 0.36        | 0.20     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 31     |           | 0        |             | 26.70    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 42     |           | 32       | 0.25        | 0.11     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia    |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 34     |           | 2        | 0.07        | 0.05     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 42     |           | 1        | 0.39        | 0.37     | AD      | NC  | <input type="checkbox"/> | 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 | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NS  | <input type="checkbox"/> | NS      | mercury in edible tissue | 5c  |
| HH Bioaccumulative Toxics in water              | Cadmium                | 12/1/2003       | 11/30/2010    | 60     | 0.17      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0610\_09 Sam Rayburn lower Ayish Bayou arm

**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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 58     | 1.72      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 59     | 0.22      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**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 | Arsenic   | 12/1/2003       | 11/30/2010    | 60     | 1.33      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003       | 11/30/2010    | 60     | 0.45      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 391    | 0.06      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 60     | 0.17      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 140    | 0.11      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 59     | 0.22      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0610\_10 Sam Rayburn upper Ayish Bayou arm

**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 | 12/1/2003       | 11/30/2010    | 28     |           | 1        | 4.3         | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 28     | 18.40     | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 33.90    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 334    | 20.56     | 0        |             | 100.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 422    | 92.62     | 0        |             | 400.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 331    | 13.85     | 0        |             | 100.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 27     |           | 1        | 0.09        | 0.05     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 0.11     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 0.20     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 26.70    | AD      | NC  | <input type="checkbox"/> | 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 | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NS  | <input type="checkbox"/> | NS      | mercury in edible tissue | 5c  |
| HH Bioaccumulative Toxics in water              | Lead                   | 12/1/2003       | 11/30/2010    | 59     | 0.22      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |                          |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0610\_10 Sam Rayburn upper Ayish Bayou arm

**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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Cadmium   | 12/1/2003       | 11/30/2010    | 60     | 0.17      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 58     | 1.72      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**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 | Selenium  | 12/1/2003       | 11/30/2010    | 60     | 0.45      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003       | 11/30/2010    | 60     | 1.33      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 60     | 0.17      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 140    | 0.11      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 59     | 0.22      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 391    | 0.06      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0610A Ayish Bayou (unclassified water body)**

**AUID 0610A\_01**

From the headwaters of Sam Rayburn Reservoir, per WQS App. D, about 2.4 km north of FM 83 upstream to confluence with unnamed tributary about 0.4 km SW of intersection of SH 147 and AT and SF Railroad at NHD RC 12020005000036.

**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     | 12/1/2003       | 11/30/2010    | 28     |           | 9        | 3.47        | 5.00     | AD      | CS  | <input type="checkbox"/>            | CS      | depressed dissolved oxygen |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2003       | 11/30/2010    | 28     |           | 2        | 1.5         | 3.00     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2003       | 11/30/2010    | 2      |           | 2        | 2.65        | 5.00     | ID      | NA  | <input type="checkbox"/>            | NA      |                            |     |
| Dissolved Oxygen 24hr minimum         | Dissolved Oxygen 24hr Min | 12/1/2003       | 11/30/2010    | 2      |           | 1        | 1.5         | 3.00     | ID      | NA  | <input type="checkbox"/>            | NA      |                            |     |
| Acute Toxic Substances in water       | Lead                      | 12/1/2000       | 11/30/2010    | 12     |           | 0        |             | 19.29    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Arsenic                   | 12/1/2000       | 11/30/2010    | 3      |           | 0        |             | 360.00   | ID      | NA  | <input type="checkbox"/>            | NA      |                            |     |
| Acute Toxic Substances in water       | Zinc                      | 12/1/2000       | 11/30/2010    | 12     |           | 0        |             | 47.37    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Selenium                  | 12/1/2000       | 11/30/2010    | 4      |           | 0        |             | 20.00    | LD      | NC  | <input type="checkbox"/>            | NC      |                            |     |
| Acute Toxic Substances in water       | Nickel                    | 12/1/2000       | 11/30/2010    | 12     |           | 0        |             | 586.63   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Aluminum                  | 12/1/2000       | 11/30/2010    | 11     |           | 1        | 1700        | 991.00   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Cadmium                   | 12/1/2000       | 11/30/2010    | 12     |           | 0        |             | 10.13    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Chromium                  | 12/1/2000       | 11/30/2010    | 11     |           | 0        |             | 233.91   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Copper                    | 12/1/2000       | 11/30/2010    | 12     |           | 0        |             | 6.91     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Arsenic                   | 12/1/2000       | 11/30/2010    | 3      | 1.17      | 0        |             | 190.00   | ID      | NA  | <input type="checkbox"/>            | NA      |                            |     |
| Chronic Toxic Substances in water     | Cadmium                   | 12/1/2000       | 11/30/2010    | 12     | 0.07      | 0        |             | 0.38     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Chromium                  | 12/1/2000       | 11/30/2010    | 11     | 1.43      | 0        |             | 62.76    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Copper                    | 12/1/2000       | 11/30/2010    | 12     | 0.68      | 0        |             | 4.14     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Lead                      | 12/1/2000       | 11/30/2010    | 12     | 0.46      | 0        |             | 0.50     | AD      | FS  | <input checked="" type="checkbox"/> | PI      | lead in water              |     |
| Chronic Toxic Substances in water     | Nickel                    | 12/1/2000       | 11/30/2010    | 12     | 3.28      | 0        |             | 53.55    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0610A\_01

From the headwaters of Sam Rayburn Reservoir, per WQS App. D, about 2.4 km north of FM 83 upstream to confluence with unnamed tributary about 0.4 km SW of intersection of SH 147 and AT and SF Railroad at NHD RC 12020005000036.

**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 |
|-----------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Chronic Toxic Substances in water | Selenium  | 12/1/2000       | 11/30/2010    | 4      | 0.10      | 0        |             | 5.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Chronic Toxic Substances in water | Zinc      | 12/1/2000       | 11/30/2010    | 12     | 3.41      | 0        |             | 35.54    | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 24     | 209.15    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | NS      | bacteria   | 5b  |

**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  | 12/1/2003       | 11/30/2010    | 24     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 24     |           | 0        |             | 14.10    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 25     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 25     |           | 9        | 0.61        | 0.33     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia    |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 25     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2000       | 11/30/2010    | 11     | 1.43      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2000       | 11/30/2010    | 12     | 0.54      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0610A\_02

From the confluence with unnamed tributary about 0.4 km SW of intersection of SH 147 and AT and SF Railroad in the City of San Augustine upstream to the Bland Lake dam, per WQS App. D.

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 12     | 212.04    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | NS      | bacteria   | 5b  |

**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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 12     | 0.54      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 11     | 1.43      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 06100 City Lake (unclassified water body)**

**AUID 06100\_01** Entire lake from dam of Carrizo Creek south of City of San Augustine at NHD RC 12020005001075.

**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 | Toxaphene               | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.83     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Mercury                 | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.53     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Mirex                   | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.04     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Nickel                  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 35.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | PCBs                    | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.13     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Selenium                | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 4.38     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Zinc                    | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 525.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Lead                    | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.60     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor epoxide      | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.25     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor              | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.20     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Dieldrin                | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.06     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Copper                  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 250.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Chromium                | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 5.25     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Cadmium                 | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.23     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Aldrin                  | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.14     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Arsenic                 | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.04     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobenzene (HCB) | 12/1/2003       | 11/30/2010    | 2      |           | 0        |             | 0.61     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID**    **0611**    **Angelina River Above Sam Rayburn Reservoir**

**AUID**    **0611\_01**

From the aqueduct crossing upstream to the confluence with Old River Channel in Nacogdoches County about 2.8 km downstream of County Hwy 2625 at NHD RC 12020004000039.

**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 | 12/1/2003       | 11/30/2010    | 51     |           | 5        | 4.44        | 5.00     | AD      | NC  | <input checked="" type="checkbox"/> | CS      | depressed dissolved oxygen |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 51     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003       | 11/30/2010    | 19     |           | 0        |             | 63.65    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Selenium              | 12/1/2003       | 11/30/2010    | 19     |           | 0        |             | 20.00    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003       | 11/30/2010    | 19     |           | 0        |             | 787.84   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2003       | 11/30/2010    | 18     |           | 0        |             | 30.06    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2003       | 11/30/2010    | 14     |           | 0        |             | 9.60     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003       | 11/30/2010    | 19     |           | 0        |             | 311.20   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2003       | 11/30/2010    | 19     |           | 0        |             | 15.01    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 19     |           | 0        |             | 991.00   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Arsenic               | 12/1/2003       | 11/30/2010    | 19     |           | 0        |             | 360.00   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2003       | 11/30/2010    | 18     | 0.14      | 0        |             | 0.74     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Selenium              | 12/1/2003       | 11/30/2010    | 19     | 0.13      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003       | 11/30/2010    | 19     | 2.70      | 0        |             | 69.33    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003       | 11/30/2010    | 19     | 2.00      | 0        |             | 80.59    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2003       | 11/30/2010    | 19     | 0.08      | 0        |             | 0.48     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Arsenic               | 12/1/2003       | 11/30/2010    | 19     | 1.49      | 0        |             | 190.00   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003       | 11/30/2010    | 19     | 2.40      | 0        |             | 46.04    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2003       | 11/30/2010    | 14     | 1.73      | 0        |             | 5.37     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0611\_01**

From the aqueduct crossing upstream to the confluence with Old River Channel in Nacogdoches County about 2.8 km downstream of County Hwy 2625 at NHD RC 12020004000039.

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 52     | 95.09     | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 52     |           | 0        |             | 32.20    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 52     |           | 1        | 9           | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 52     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 139    | 135.11    | 0        |             | 250.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 132    | 19.54     | 0        |             | 125.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 131    | 22.75     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 52     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 52     |           | 6        | 53.05       | 14.10    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 54     |           | 0        |             | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 54     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 54     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Cadmium   | 12/1/2003       | 11/30/2010    | 22     | 0.10      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 22     | 1.80      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 21     | 0.23      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0611\_01

From the aqueduct crossing upstream to the confluence with Old River Channel in Nacogdoches County about 2.8 km downstream of County Hwy 2625 at NHD RC 12020004000039.

**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 | Arsenic   | 12/1/2003       | 11/30/2010    | 19     | 1.42      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 22     | 0.10      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 76     | 0.11      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 21     | 0.23      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 119    | 0.28      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003       | 11/30/2010    | 19     | 0.13      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0611\_02

From a point immediately upstream of the confluence with Old River channel about 2.8 km downstream of County Hwy 2625 upstream to the confluence with Mud Creek (0611C)

### 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 | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 44     | 135.00    | 1        |             | 126.00   | JQ      | NS  | <input type="checkbox"/> | CN      | bacteria   |     |

### 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            | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 32.20    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 22     |           | 1        | 5.6         | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 139    | 135.11    | 0        |             | 250.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 132    | 19.54     | 0        |             | 125.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 131    | 22.75     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 23     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 25     |           | 1        | 17          | 14.10    | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 22     | 1.80      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID**

**0611\_02**

From a point immediately upstream of the confluence with Old River channel about 2.8 km downstream of County Hwy 2625 upstream to the confluence with Mud Creek (0611C)

**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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 21     | 0.23      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Cadmium   | 12/1/2003       | 11/30/2010    | 22     | 0.10      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**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 | Cadmium   | 12/1/2003       | 11/30/2010    | 22     | 0.10      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 76     | 0.11      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 21     | 0.23      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 119    | 0.28      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003       | 11/30/2010    | 19     | 0.13      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003       | 11/30/2010    | 19     | 1.42      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0611\_03 From a point immediately upstream of the confluence with Mud Creek (0611C) upstream to the confluence with East Fork Angelina River (0611A)

**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     | 12/1/2003       | 11/30/2010    | 27     |           | 1        | 4.4         | 5.00     | AD      | NC  | <input type="checkbox"/>            | NC      |                   |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/>            | FS      |                   |     |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 5.00     | LD      | NC  | <input type="checkbox"/>            | NC      |                   |     |
| Dissolved Oxygen 24hr minimum         | Dissolved Oxygen 24hr Min | 12/1/2003       | 11/30/2010    | 4      |           | 0        |             | 3.00     | LD      | NC  | <input type="checkbox"/>            | NC      |                   |     |
| Acute Toxic Substances in water       | Nickel                    | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 539.81   | ID      | NA  | <input type="checkbox"/>            | NA      |                   |     |
| Acute Toxic Substances in water       | Lead                      | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 17.02    | ID      | NA  | <input type="checkbox"/>            | NA      |                   |     |
| Acute Toxic Substances in water       | Zinc                      | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 43.58    | ID      | NA  | <input type="checkbox"/>            | NA      |                   |     |
| Acute Toxic Substances in water       | Chromium                  | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 215.82   | ID      | NA  | <input type="checkbox"/>            | NA      |                   |     |
| Acute Toxic Substances in water       | Copper                    | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 6.30     | ID      | NA  | <input type="checkbox"/>            | NA      |                   |     |
| Acute Toxic Substances in water       | Cadmium                   | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 9.07     | ID      | NA  | <input type="checkbox"/>            | NA      |                   |     |
| Acute Toxic Substances in water       | Aluminum                  | 12/1/2003       | 11/30/2010    | 3      |           | 1        | 1228        | 991.00   | ID      | NS  | <input checked="" type="checkbox"/> | PI      | aluminum in water |     |
| Chronic Toxic Substances in water     | Lead                      | 12/1/2003       | 11/30/2010    | 3      | 0.70      | 0        |             | 0.74     | ID      | CN  | <input checked="" type="checkbox"/> | PI      | lead in water     |     |
| Chronic Toxic Substances in water     | Nickel                    | 12/1/2003       | 11/30/2010    | 3      | 2.21      | 0        |             | 69.33    | ID      | NA  | <input type="checkbox"/>            | NA      |                   |     |
| Chronic Toxic Substances in water     | Copper                    | 12/1/2003       | 11/30/2010    | 3      | 0.92      | 0        |             | 5.37     | ID      | NA  | <input type="checkbox"/>            | NA      |                   |     |
| Chronic Toxic Substances in water     | Chromium                  | 12/1/2003       | 11/30/2010    | 3      | 0.50      | 0        |             | 80.59    | ID      | NA  | <input type="checkbox"/>            | NA      |                   |     |
| Chronic Toxic Substances in water     | Cadmium                   | 12/1/2003       | 11/30/2010    | 3      | 0.05      | 0        |             | 0.48     | ID      | NA  | <input type="checkbox"/>            | NA      |                   |     |
| Chronic Toxic Substances in water     | Zinc                      | 12/1/2003       | 11/30/2010    | 3      | 2.92      | 0        |             | 46.04    | ID      | NA  | <input type="checkbox"/>            | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 28     | 215.81    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | NS      | bacteria   | 5c  |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0611\_03** From a point immediately upstream of the confluence with Mud Creek (0611C) upstream to the confluence with East Fork Angelina River (0611A)

**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            | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 32.20    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 132    | 19.54     | 0        |             | 125.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 131    | 22.75     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 139    | 135.11    | 0        |             | 250.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 28     |           | 15       | 0.61        | 0.33     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia    |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 14.10    | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 22     | 1.80      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 21     | 0.23      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Cadmium   | 12/1/2003       | 11/30/2010    | 22     | 0.10      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**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 | Cadmium   | 12/1/2003       | 11/30/2010    | 22     | 0.10      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 76     | 0.11      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 21     | 0.23      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 119    | 0.28      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River**

**AUID** 0611\_03 From a point immediately upstream of the confluence with Mud Creek (0611C) upstream to the confluence with East Fork Angelina River (0611A)

**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 | Selenium  | 12/1/2003       | 11/30/2010    | 19     | 0.13      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003       | 11/30/2010    | 19     | 1.42      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** **0611\_04** From a point immediately upstream of confluence with East Fork Angelina River (0611A) upstream to confluence with Barnhardt and Mill Creeks.

### 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 | 12/1/2003       | 11/30/2010    | 24     |           | 1        | 4.8         | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 24     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 23     | 261.38    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 25     |           | 0        |             | 32.20    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 25     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 25     |           | 1        | 5.7         | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 139    | 135.11    | 0        |             | 250.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 132    | 19.54     | 0        |             | 125.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 131    | 22.75     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 24     |           | 1        | 2.66        | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 22     |           | 2        | 1.05        | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 23     |           | 0        |             | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 23     |           | 3        | 1.12        | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 24     |           | 0        |             | 14.10    | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Cadmium   | 12/1/2003       | 11/30/2010    | 22     | 0.10      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 22     | 1.80      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0611\_04 From a point immediately upstream of confluence with East Fork Angelina River (0611A) upstream to confluence with Barnhardt and Mill Creeks.

**USE** Fish Consumption Use

| Method                             | Parameter | ASMT<br>Start Date | ASMT<br>End Date | # Assd | Mean<br>assd | #<br>exceed | Mean<br>exceed | Criteria | DS<br>Qual | LOS | CF                       | Int<br>LOS | TCEQ Cause | Cat |
|------------------------------------|-----------|--------------------|------------------|--------|--------------|-------------|----------------|----------|------------|-----|--------------------------|------------|------------|-----|
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003          | 11/30/2010       | 21     | 0.23         | 0           |                | 1.15     | AD         | FS  | <input type="checkbox"/> | FS         |            |     |

**USE** Public Water Supply Use

| Method                                    | Parameter | ASMT<br>Start Date | ASMT<br>End Date | # Assd | Mean<br>assd | #<br>exceed | Mean<br>exceed | Criteria | DS<br>Qual | LOS | CF                       | Int<br>LOS | TCEQ Cause | Cat |
|---|-----------|--------------------|------------------|--------|--------------|-------------|----------------|----------|------------|-----|--------------------------|------------|------------|-----|
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003          | 11/30/2010       | 19     | 1.42         | 0           |                | 10.00    | AD         | FS  | <input type="checkbox"/> | FS         |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003          | 11/30/2010       | 22     | 0.10         | 0           |                | 5.00     | AD         | FS  | <input type="checkbox"/> | FS         |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003          | 11/30/2010       | 76     | 0.11         | 0           |                | 4.00     | AD         | FS  | <input type="checkbox"/> | FS         |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003          | 11/30/2010       | 21     | 0.23         | 0           |                | 1.15     | AD         | FS  | <input type="checkbox"/> | FS         |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003          | 11/30/2010       | 119    | 0.28         | 0           |                | 10.00    | AD         | FS  | <input type="checkbox"/> | FS         |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003          | 11/30/2010       | 19     | 0.13         | 0           |                | 50.00    | AD         | FS  | <input type="checkbox"/> | FS         |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0611A East Fork Angelina River (unclassified water body)**

**AUID 0611A\_01** From the confluence with Angelina River (0611) at Rusk/Nacogdoches county line upstream to confluence with Beech Creek (0611J) in Rusk County

**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 | 12/1/2003       | 11/30/2010    | 29     |           | 0        |             | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 29     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 6.28     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 43.48    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 538.47   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2003       | 11/30/2010    | 11     |           | 0        |             | 21.13    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 9.04     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Arsenic               | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 360.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 991.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 215.30   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Arsenic               | 12/1/2003       | 11/30/2010    | 3      | 1.17      | 0        |             | 190.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2003       | 11/30/2010    | 3      | 0.10      | 0        |             | 0.38     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003       | 11/30/2010    | 3      | 1.50      | 0        |             | 62.76    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2003       | 11/30/2010    | 3      | 1.36      | 0        |             | 4.14     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2003       | 11/30/2010    | 11     | 0.20      | 0        |             | 0.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003       | 11/30/2010    | 3      | 4.26      | 0        |             | 53.55    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003       | 11/30/2010    | 3      | 2.67      | 0        |             | 35.54    | ID      | NA  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 42     | 183.45    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | NS      | bacteria   | 5b  |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0611A\_01 From the confluence with Angelina River (0611) at Rusk/Nacogdoches county line upstream to confluence with Beech Creek (0611J) in Rusk County

**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 | Total Phosphorus | 12/1/2003       | 11/30/2010    | 23     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 23     |           | 0        |             | 14.10    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 21     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 25     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 25     |           | 0        |             | 0.33     | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 21     | 0.17      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 4      | 1.63      | 0        |             | 502.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0611A\_02 From a point immediately upstream of confluence with Beech Creek (0611J) upstream to confluence with Wooten Creek (0611P)

### 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 | 12/1/2003       | 11/30/2010    | 13     |           | 1        | 3.2         | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 13     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Arsenic               | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 360.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 50.91    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 630.45   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2003       | 11/30/2010    | 10     |           | 0        |             | 26.62    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 7.49     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 11.15    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 191.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 250.81   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003       | 11/30/2010    | 1      | 2.50      | 0        |             | 53.55    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Arsenic               | 12/1/2003       | 11/30/2010    | 1      | 6.25      | 0        |             | 190.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2003       | 11/30/2010    | 1      | 0.19      | 0        |             | 0.38     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003       | 11/30/2010    | 1      | 2.00      | 0        |             | 62.76    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2003       | 11/30/2010    | 10     | 0.08      | 0        |             | 0.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003       | 11/30/2010    | 1      | 2.00      | 0        |             | 35.54    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2003       | 11/30/2010    | 1      | 1.00      | 0        |             | 4.14     | ID      | NA  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 4      | 130.27    | 1        |             | 126.00   | LD      | CN  | <input type="checkbox"/> | CN      | bacteria   |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0611A\_02 From a point immediately upstream of confluence with Beech Creek (0611J) upstream to confluence with Wooten Creek (0611P)

**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 | Total Phosphorus | 12/1/2003       | 11/30/2010    | 6      |           | 0        |             | 0.69     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 14.10    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 8      |           | 0        |             | 0.33     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 6      |           | 0        |             | 0.37     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 8      |           | 0        |             | 1.95     | LD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 21     | 0.17      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 4      | 1.63      | 0        |             | 502.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0611B La Nana Bayou (unclassified water body)**

**AUID 0611B\_01** From the confluence with Angelina River (0611), per WQS App. D, upstream to State Loop 224 in City of Nacogdoches

**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 | 12/1/2003       | 11/30/2010    | 26     |           | 1        | 3.9         | 4.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 991.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 36.28    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 72.14    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 892.77   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 11.03    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 17.73    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 351.25   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2003       | 11/30/2010    | 3      | 0.23      | 0        |             | 0.38     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003       | 11/30/2010    | 3      | 0.50      | 0        |             | 62.76    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2003       | 11/30/2010    | 3      | 1.52      | 0        |             | 4.14     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2003       | 11/30/2010    | 3      | 0.40      | 0        |             | 0.50     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003       | 11/30/2010    | 3      | 2.23      | 0        |             | 53.55    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003       | 11/30/2010    | 3      | 8.39      | 0        |             | 35.54    | ID      | NA  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 51     | 284.62    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | NS      | bacteria   | 5b  |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0611B\_01 From the confluence with Angelina River (0611), per WQS App. D, upstream to State Loop 224 in City of Nacogdoches

**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 | Total Phosphorus | 12/1/2003       | 11/30/2010    | 28     |           | 19       | 1.79        | 0.69     | AD      | CS  | <input type="checkbox"/> | CS      | total phosphorus |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 28     |           | 13       | 0.98        | 0.33     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia          |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 27     |           | 18       | 1.33        | 0.37     | AD      | CS  | <input type="checkbox"/> | CS      | orthophosphorus  |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 28     |           | 11       | 4.72        | 1.95     | AD      | CS  | <input type="checkbox"/> | CS      | nitrate          |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 27     |           | 1        | 24          | 14.10    | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 6      | 0.50      | 0        |             | 502.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 6      | 0.33      | 0        |             | 3.83     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0611B\_02 From the upstream side of State Loop 224 upstream to FM 1878 in City of Nacogdoches, per WQS App. D.

**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 | 12/1/2003       | 11/30/2010    | 19     |           | 1        | 3.5         | 4.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 19     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 991.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 70.02    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 866.66   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 34.70    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 10.67    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 17.04    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 341.30   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2003       | 11/30/2010    | 3      | 0.05      | 0        |             | 0.38     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003       | 11/30/2010    | 3      | 1.18      | 0        |             | 35.54    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003       | 11/30/2010    | 3      | 1.29      | 0        |             | 53.55    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2003       | 11/30/2010    | 3      | 0.27      | 0        |             | 0.50     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003       | 11/30/2010    | 3      | 0.50      | 0        |             | 62.76    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2003       | 11/30/2010    | 3      | 0.81      | 0        |             | 4.14     | ID      | NA  | <input type="checkbox"/> | 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 | E. coli   | 12/1/2001       | 11/30/2008    | 51     |           | 34       | 1446.29     | 394.00   | SM      | NS  | <input type="checkbox"/> | NA      | bacteria   | 5b  |
| Bacteria Geomean       | E. coli   | 12/1/2003       | 11/30/2010    | 45     | 637.49    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | NS      | bacteria   | 5b  |

**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 | Nitrate   | 12/1/2003       | 11/30/2010    | 21     |           | 1        | 5.68        | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0611B\_02 From the upstream side of State Loop 224 upstream to FM 1878 in City of Nacogdoches, per WQS App. D.

**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  | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 21     |           | 6        | 0.51        | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 21     |           | 1        | 0.86        | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 14.10    | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 6      | 0.50      | 0        |             | 502.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 6      | 0.33      | 0        |             | 3.83     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0611B\_03 From the upstream side of FM 1878 in City of Nacogdoches upstream to confluence with Banita Creek.

### 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     | 12/1/2003       | 11/30/2010    | 8      |           | 2        | 3.1         | 5.00     | LD      | CS  | <input type="checkbox"/> | CS      | depressed dissolved oxygen |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2003       | 11/30/2010    | 8      |           | 1        | 2.8         | 3.00     | LD      | NC  | <input type="checkbox"/> | NC      |                            |     |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2003       | 11/30/2010    | 1      |           | 1        | 0.8         | 5.00     | ID      | NA  | <input type="checkbox"/> | NA      |                            |     |
| Dissolved Oxygen 24hr minimum         | Dissolved Oxygen 24hr Min | 12/1/2003       | 11/30/2010    | 1      |           | 1        | 0.12        | 3.00     | ID      | NA  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2000       | 11/30/2010    | 8      | 240.44    | 1        |             | 126.00   | LD      | CN  | <input type="checkbox"/> | CN      | bacteria   |     |

### 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 | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 8      |           | 0        |             | 14.10    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 8      |           | 0        |             | 1.95     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 7      |           | 0        |             | 0.37     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 8      |           | 0        |             | 0.33     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 8      |           | 0        |             | 0.69     | LD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 6      | 0.50      | 0        |             | 502.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 6      | 0.33      | 0        |             | 3.83     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0611C Mud Creek (unclassified water body)**

**AUID 0611C\_01**

From the confluence with Angelina River (0611), per WQS App. D, at the Cherokee and Nacogdoches county line south of City of Reklaw upstream to top of channelized/dredged portion about 2.3 km south of US hwy 79 at -95.150452N/31.956933W

**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 | 12/1/2003       | 11/30/2010    | 28     |           | 9        | 3.8         | 5.00     | AD      | CS  | <input type="checkbox"/>            | CS      | depressed dissolved oxygen |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 28     |           | 2        | 2.2         | 3.00     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2000       | 11/30/2010    | 11     |           | 0        |             | 319.91   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2000       | 11/30/2010    | 13     |           | 1        | 80          | 65.49    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Selenium              | 12/1/2000       | 11/30/2010    | 5      |           | 0        |             | 20.00    | LD      | NC  | <input type="checkbox"/>            | NC      |                            |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 810.62   | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 15.59    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Arsenic               | 12/1/2000       | 11/30/2010    | 3      |           | 0        |             | 360.00   | ID      | NA  | <input type="checkbox"/>            | NA      |                            |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2000       | 11/30/2010    | 11     |           | 3        | 1116        | 991.00   | AD      | NS  | <input checked="" type="checkbox"/> | PI      | aluminum in water          |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2000       | 11/30/2010    | 13     |           | 0        |             | 9.90     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2000       | 11/30/2010    | 12     |           | 0        |             | 31.38    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2000       | 11/30/2010    | 11     | 1.12      | 0        |             | 62.76    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2000       | 11/30/2010    | 13     | 9.34      | 0        |             | 35.54    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Selenium              | 12/1/2000       | 11/30/2010    | 5      | 1.22      | 0        |             | 5.00     | LD      | NC  | <input type="checkbox"/>            | NC      |                            |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2000       | 11/30/2010    | 13     | 3.53      | 0        |             | 53.55    | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2000       | 11/30/2010    | 13     | 1.29      | 0        |             | 4.14     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2000       | 11/30/2010    | 13     | 0.06      | 0        |             | 0.38     | AD      | FS  | <input type="checkbox"/>            | FS      |                            |     |
| Chronic Toxic Substances in water     | Arsenic               | 12/1/2000       | 11/30/2010    | 3      | 1.17      | 0        |             | 190.00   | ID      | NA  | <input type="checkbox"/>            | NA      |                            |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2000       | 11/30/2010    | 12     | 0.41      | 0        |             | 0.50     | AD      | FS  | <input checked="" type="checkbox"/> | PI      |                            |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0611C\_01

From the confluence with Angelina River (0611), per WQS App. D, at the Cherokee and Nacogdoches county line south of City of Reklaw upstream to top of channelized/dredged portion about 2.3 km south of US hwy 79 at -95.150452N/31.956933W

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 52     | 184.11    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | NS      | bacteria   | 5b  |

**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 | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 27     |           | 1        | 22.1        | 14.10    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 28     |           | 1        | 0.71        | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 28     |           | 13       | 0.66        | 0.33     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia    |     |

**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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2000       | 11/30/2010    | 11     | 1.12      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2000       | 11/30/2010    | 12     | 0.49      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0611C\_02

From a point immediately upstream of channelized/dredged portion about 2.3 km south of US hwy 79 at -95.150452N/31.956933W upstream to confluence with Prairie Creek in Smith County, per WQS App. D

**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     | 12/1/2003       | 11/30/2010    | 28     |           | 2        | 4.27        | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2000       | 11/30/2010    | 12     |           | 2        | 4.9         | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Oxygen 24hr minimum         | Dissolved Oxygen 24hr Min | 12/1/2000       | 11/30/2010    | 12     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 28     | 150.65    | 1        |             | 126.00   | JQ      | NS  | <input type="checkbox"/> | CN      | bacteria   |     |

**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 | Total Phosphorus | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 14.10    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 28     |           | 1        | 2.07        | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 28     |           | 14       | 0.63        | 0.33     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia    |     |

**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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 12     | 0.49      | 0        |             | 3.83     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 11     | 1.12      | 0        |             | 502.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0611D West Mud Creek (unclassified water body)**

**AUID 0611D\_01**

From the confluence with Mud Creek (0611C), per WQS App. D, upstream to confluence with unnamed tributary about 75 m north of WWTP in City of Tyler at NHD RC 12020004000212.

**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 | 12/1/2003       | 11/30/2010    | 43     |           | 0        |             | 3.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 43     |           | 0        |             | 2.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 991.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 104.67   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 1,294.70 | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 63.47    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 16.68    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 29.11    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 503.37   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2003       | 11/30/2010    | 3      | 0.34      | 0        |             | 0.50     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003       | 11/30/2010    | 3      | 14.63     | 0        |             | 35.54    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2003       | 11/30/2010    | 3      | 1.96      | 0        |             | 4.14     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003       | 11/30/2010    | 3      | 0.50      | 0        |             | 62.76    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2003       | 11/30/2010    | 3      | 0.05      | 0        |             | 0.38     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003       | 11/30/2010    | 3      | 4.86      | 0        |             | 53.55    | ID      | NA  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 43     | 186.46    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | NS      | bacteria   | 5b  |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0611D\_01

From the confluence with Mud Creek (0611C), per WQS App. D, upstream to confluence with unnamed tributary about 75 m north of WWTP in City of Tyler at NHD RC 12020004000212.

**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 | Total Phosphorus | 12/1/2003       | 11/30/2010    | 43     |           | 3        | 0.95        | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 40     |           | 0        |             | 14.10    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 43     |           | 28       | 0.57        | 0.33     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia    |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 42     |           | 8        | 0.63        | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 42     |           | 37       | 4.96        | 1.95     | AD      | CS  | <input type="checkbox"/> | CS      | nitrate    |     |

**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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 3      | 0.34      | 0        |             | 3.83     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 3      | 0.50      | 0        |             | 502.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0611D\_02

From the confluence with unnamed tributary about 75 m north of WWTP in City of Tyler upstream to confluence of unnamed tributary about 300 meters upstream of the most northern crossing of US 69 in City of Tyler, per WQS App. D, at NHD RC 12020004000212.

**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 | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 3.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 2.00     | AD      | FS  | <input type="checkbox"/> | 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    | 21     |           | 8        | 1222.5      | 394.00   | SM      | NS  | <input type="checkbox"/> | NA      | bacteria   | 5b  |
| Bacteria Geomean       | E. coli   | 12/1/2003       | 11/30/2010    | 31     | 258.36    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | NS      | bacteria   | 5b  |

**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 | Total Phosphorus | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 14.10    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 28     |           | 8        | 0.55        | 0.33     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia    |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 28     |           | 1        | 3.14        | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 3      | 0.50      | 0        |             | 502.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 3      | 0.34      | 0        |             | 3.83     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

**2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River**

**SEGID 0611G Blackhawk Creek (unclassified water body)**

**AUID 0611G\_02**

From the confluence with unnamed tributary about 80 m SE of Shande Street in City of Whitehouse upstream to confluence of unnamed tributary about 120 m upstream of SH 110 south of the City of Whitehouse at NHD RC 12020004016727.

**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 | 12/1/2003       | 11/30/2010    | 6      |           | 0        |             | 4.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 6      |           | 0        |             | 3.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0611Q Lake Nacogdoches (unclassified water body)**

**AUID 0611Q\_01** Entire water body

**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 | 12/1/2003       | 11/30/2010    | 54     |           | 0        |             | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 54     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 56     | 1.96      | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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 |
|---------------------------|------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 56     |           | 3        | 0.51        | 0.20     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 56     |           | 2        | 0.46        | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 52     |           | 0        |             | 26.70    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 54     |           | 7        | 0.07        | 0.05     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 56     |           | 30       | 0.27        | 0.11     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia    |     |

**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 | Risk Assess.- No Advisory | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | FS  | <input type="checkbox"/> | FS      |            |     |

**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   | 12/1/2003       | 11/30/2010    | 56     | 0.09      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0611R Lake Striker (unclassified water body)**

**AUID 0611R\_01** Entire water body

**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 | 12/1/2003       | 11/30/2010    | 54     |           | 1        | 4.6         | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 54     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 48     | 3.88      | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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 |
|---------------------------|------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 50     |           | 9        | 0.07        | 0.05     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 50     |           | 0        |             | 26.70    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 56     |           | 31       | 0.39        | 0.11     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia    |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 56     |           | 2        | 0.57        | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 54     |           | 3        | 0.37        | 0.20     | AD      | NC  | <input type="checkbox"/> | 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 |
|---------------------------------------|-------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Bioaccumulative Toxics in fish tissue | Pentachlorophenol (PCP) | 12/1/2000       | 11/30/2010    | 5      |           | 0        |             | 532.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Pyridine                | 12/1/2000       | 11/30/2010    | 5      |           | 0        |             | 17.73    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Selenium                | 12/1/2000       | 11/30/2010    | 5      |           | 0        |             | 4.38     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | PCBs                    | 12/1/2000       | 11/30/2010    | 5      |           | 0        |             | 0.13     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | beta-BHC                | 12/1/2000       | 11/30/2010    | 5      |           | 0        |             | 1.28     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Toxaphene               | 12/1/2000       | 11/30/2010    | 5      |           | 0        |             | 0.83     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

|             |                 |                   |
|-------------|-----------------|-------------------|
| <b>AUID</b> | <b>0611R_01</b> | Entire water body |
|-------------|-----------------|-------------------|

|            |                             |
|------------|-----------------------------|
| <b>USE</b> | <b>Fish Consumption Use</b> |
|------------|-----------------------------|

| Method                                | Parameter                  | ASMT<br>Start Date | ASMT<br>End Date | # Assd | Mean<br>assd | #<br>exceed | Mean<br>exceed | Criteria | DS<br>Qual | LOS | CF                       | Int<br>LOS | TCEQ Cause | Cat |
|---------------------------------------|----------------------------|--------------------|------------------|--------|--------------|-------------|----------------|----------|------------|-----|--------------------------|------------|------------|-----|
| Bioaccumulative Toxics in fish tissue | DDT                        | 12/1/2000          | 11/30/2010       | 5      |              | 0           |                | 5.28     | LD         | NC  | <input type="checkbox"/> | NC         |            |     |
| Bioaccumulative Toxics in fish tissue | Nitrobenzene               | 12/1/2000          | 11/30/2010       | 5      |              | 0           |                | 8.87     | LD         | NC  | <input type="checkbox"/> | NC         |            |     |
| Bioaccumulative Toxics in fish tissue | DDE                        | 12/1/2000          | 11/30/2010       | 5      |              | 0           |                | 5.45     | LD         | NC  | <input type="checkbox"/> | NC         |            |     |
| Bioaccumulative Toxics in fish tissue | 1,2,4,5-Tetrachlorobenzene | 12/1/2000          | 11/30/2010       | 5      |              | 0           |                | 5.32     | LD         | NC  | <input type="checkbox"/> | NC         |            |     |
| Bioaccumulative Toxics in fish tissue | BHC-alpha isomer           | 12/1/2000          | 11/30/2010       | 5      |              | 0           |                | 0.37     | LD         | NC  | <input type="checkbox"/> | NC         |            |     |
| Bioaccumulative Toxics in fish tissue | N-Nitrosodiethylamine      | 12/1/2000          | 11/30/2010       | 5      |              | 0           |                | 0.01     | LD         | NC  | <input type="checkbox"/> | NC         |            |     |
| Bioaccumulative Toxics in fish tissue | Pentachlorobenzene         | 12/1/2000          | 11/30/2010       | 5      |              | 0           |                | 14.19    | LD         | NC  | <input type="checkbox"/> | NC         |            |     |
| Bioaccumulative Toxics in fish tissue | Mercury                    | 12/1/2000          | 11/30/2010       | 5      |              | 1           | 0.65           | 0.53     | LD         | NC  | <input type="checkbox"/> | NC         |            |     |
| Bioaccumulative Toxics in fish tissue | N-Nitroso-di-n-butylamine  | 12/1/2000          | 11/30/2010       | 5      |              | 0           |                | 0.43     | LD         | NC  | <input type="checkbox"/> | NC         |            |     |
| Bioaccumulative Toxics in fish tissue | Chlordane                  | 12/1/2000          | 11/30/2010       | 5      |              | 0           |                | 0.30     | LD         | NC  | <input type="checkbox"/> | NC         |            |     |
| Bioaccumulative Toxics in fish tissue | Lead                       | 12/1/2000          | 11/30/2010       | 5      |              | 0           |                | 0.60     | LD         | NC  | <input type="checkbox"/> | NC         |            |     |
| Bioaccumulative Toxics in fish tissue | Aldrin                     | 12/1/2000          | 11/30/2010       | 5      |              | 0           |                | 0.14     | LD         | NC  | <input type="checkbox"/> | NC         |            |     |
| Bioaccumulative Toxics in fish tissue | Arsenic                    | 12/1/2000          | 11/30/2010       | 5      |              | 0           |                | 0.04     | LD         | NC  | <input type="checkbox"/> | NC         |            |     |
| Bioaccumulative Toxics in fish tissue | Benzidine                  | 12/1/2000          | 11/30/2010       | 5      |              | 0           |                | 0.00     | LD         | NC  | <input type="checkbox"/> | NC         |            |     |
| Bioaccumulative Toxics in fish tissue | Cadmium                    | 12/1/2000          | 11/30/2010       | 5      |              | 0           |                | 0.23     | LD         | NC  | <input type="checkbox"/> | NC         |            |     |
| Bioaccumulative Toxics in fish tissue | Chromium                   | 12/1/2000          | 11/30/2010       | 5      |              | 0           |                | 5.25     | LD         | NC  | <input type="checkbox"/> | NC         |            |     |
| Bioaccumulative Toxics in fish tissue | Chrysene                   | 12/1/2000          | 11/30/2010       | 5      |              | 0           |                | 0.32     | LD         | NC  | <input type="checkbox"/> | NC         |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobutadiene (HCBd) | 12/1/2000          | 11/30/2010       | 5      |              | 0           |                | 11.14    | LD         | NC  | <input type="checkbox"/> | NC         |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachloroethane           | 12/1/2000          | 11/30/2010       | 5      |              | 0           |                | 164.67   | LD         | NC  | <input type="checkbox"/> | NC         |            |     |
| Bioaccumulative Toxics in fish tissue | Benzo(a)pyrene             | 12/1/2000          | 11/30/2010       | 5      |              | 0           |                | 0.32     | LD         | NC  | <input type="checkbox"/> | NC         |            |     |
| Bioaccumulative Toxics in fish tissue | Benz(a)anthracene          | 12/1/2000          | 11/30/2010       | 5      |              | 0           |                | 0.32     | LD         | NC  | <input type="checkbox"/> | NC         |            |     |

**2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River**

**AUID** 0611R\_01 Entire water body

**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 | Copper                  | 12/1/2000       | 11/30/2010    | 5      |           | 0        |             | 250.00   | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Hexachlorobenzene (HCB) | 12/1/2000       | 11/30/2010    | 5      |           | 0        |             | 0.61     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor              | 12/1/2000       | 11/30/2010    | 5      |           | 0        |             | 0.20     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | Dieldrin                | 12/1/2000       | 11/30/2010    | 5      |           | 0        |             | 0.06     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Bioaccumulative Toxics in fish tissue | DDD                     | 12/1/2000       | 11/30/2010    | 5      |           | 0        |             | 9.61     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0611T Lake Kurth (unclassified water body)**

**AUID 0611T\_01** Entire water body

**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 | Hexachlorobenzene (HCB) | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.61     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Selenium                | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 4.38     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | PCBs                    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.13     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Nickel                  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 35.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Mirex                   | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.04     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Mercury                 | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.53     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Lead                    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.60     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Zinc                    | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 525.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Aldrin                  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.14     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor epoxide      | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.25     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Toxaphene               | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.83     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Arsenic                 | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.04     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Cadmium                 | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.23     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Chromium                | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 5.25     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Copper                  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 250.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Dieldrin                | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.06     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Bioaccumulative Toxics in fish tissue | Heptachlor              | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 0.20     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

**2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River**

**SEGID 0611U Bromley Creek (unclassified water body)**

**AUID 0611U\_01** Entire water body

**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 | 12/1/2003       | 11/30/2010    | 6      |           | 1        | 0.2         | 5.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 6      |           | 1        | 0.2         | 3.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID**    0612    Attoyac Bayou

**AUID**    0612\_01    From the lower boundary approximately at confluence with Granberry Branch upstream to confluence with Polly Branch.

**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 | 12/1/2003       | 11/30/2010    | 14     |           | 0        |             | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 14     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 679.44   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 24.06    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 54.88    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 269.65   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 12.32    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 3      |           | 1        | 1486        | 991.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 8.14     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2003       | 11/30/2010    | 3      | 0.05      | 0        |             | 0.29     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003       | 11/30/2010    | 3      | 0.88      | 0        |             | 47.64    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2003       | 11/30/2010    | 3      | 1.13      | 0        |             | 3.11     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2003       | 11/30/2010    | 3      | 0.44      | 1        |             | 0.32     | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003       | 11/30/2010    | 3      | 1.98      | 0        |             | 40.28    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003       | 11/30/2010    | 3      | 1.84      | 0        |             | 26.72    | ID      | NA  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 35     | 235.67    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | NS      | bacteria   | 5b  |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0612\_01 From the lower boundary approximately at confluence with Granberry Branch upstream to confluence with Polly Branch.

### 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            | 12/1/2003       | 11/30/2010    | 14     |           | 0        |             | 32.20    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 14     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 14     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 103    | 103.79    | 0        |             | 200.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 61     | 11.97     | 0        |             | 75.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 61     | 19.75     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 6      |           | 0        |             | 14.10    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 16     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 15     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 16     |           | 1        | 0.71        | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 16     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 6      | 0.48      | 0        |             | 1.15     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Cadmium   | 12/1/2003       | 11/30/2010    | 6      | 0.05      | 0        |             | 5.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 6      | 0.94      | 0        |             | 62.00    | LD      | NC  | <input type="checkbox"/> | 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 | Arsenic   | 12/1/2000       | 11/30/2010    | 6      | 3.06      | 0        |             | 10.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 6      | 0.05      | 0        |             | 5.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2000       | 11/30/2010    | 5      | 0.09      | 0        |             | 4.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 6      | 0.48      | 0        |             | 1.15     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

**2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River**

**AUID** 0612\_01 From the lower boundary approximately at confluence with Granberry Branch upstream to confluence with Polly Branch.

**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   | 12/1/2003       | 11/30/2010    | 91     | 0.27      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2000       | 11/30/2010    | 6      | 21.02     | 0        |             | 50.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0612\_02 From a point immediately upstream of Polly Branch confluence upstream to confluence with Bear Bayou.

### 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 | 12/1/2003       | 11/30/2010    | 46     |           | 6        | 3.37        | 5.00     | AD      | CS  | <input type="checkbox"/> | CS      | depressed dissolved oxygen |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 46     |           | 2        | 1.3         | 3.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 48     | 234.00    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | NS      | bacteria   | 5b  |

### 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            | 12/1/2003       | 11/30/2010    | 47     |           | 0        |             | 32.20    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 45     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 45     |           | 1        | 5.95        | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 61     | 19.75     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 103    | 103.79    | 0        |             | 200.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 61     | 11.97     | 0        |             | 75.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 48     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 47     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 48     |           | 14       | 0.65        | 0.33     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia    |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 48     |           | 0        |             | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 27     |           | 1        | 14.3        | 14.10    | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Cadmium   | 12/1/2003       | 11/30/2010    | 6      | 0.05      | 0        |             | 5.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 6      | 0.94      | 0        |             | 62.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0612\_02 From a point immediately upstream of Polly Branch confluence upstream to confluence with Bear Bayou.

**USE** Fish Consumption Use

| Method                             | Parameter | ASMT<br>Start Date | ASMT<br>End Date | # Assd | Mean<br>assd | #<br>exceed | Mean<br>exceed | Criteria | DS<br>Qual | LOS | CF                       | Int<br>LOS | TCEQ Cause | Cat |
|------------------------------------|-----------|--------------------|------------------|--------|--------------|-------------|----------------|----------|------------|-----|--------------------------|------------|------------|-----|
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003          | 11/30/2010       | 6      | 0.48         | 0           |                | 1.15     | LD         | NC  | <input type="checkbox"/> | NC         |            |     |

**USE** Public Water Supply Use

| Method                                    | Parameter | ASMT<br>Start Date | ASMT<br>End Date | # Assd | Mean<br>assd | #<br>exceed | Mean<br>exceed | Criteria | DS<br>Qual | LOS | CF                       | Int<br>LOS | TCEQ Cause | Cat |
|---|-----------|--------------------|------------------|--------|--------------|-------------|----------------|----------|------------|-----|--------------------------|------------|------------|-----|
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003          | 11/30/2010       | 6      | 0.48         | 0           |                | 1.15     | LD         | NC  | <input type="checkbox"/> | NC         |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003          | 11/30/2010       | 91     | 0.27         | 0           |                | 10.00    | AD         | FS  | <input type="checkbox"/> | FS         |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003          | 11/30/2010       | 6      | 21.02        | 0           |                | 50.00    | LD         | NC  | <input type="checkbox"/> | NC         |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003          | 11/30/2010       | 6      | 0.05         | 0           |                | 5.00     | LD         | NC  | <input type="checkbox"/> | NC         |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003          | 11/30/2010       | 6      | 3.06         | 0           |                | 10.00    | LD         | NC  | <input type="checkbox"/> | NC         |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003          | 11/30/2010       | 5      | 0.09         | 0           |                | 4.00     | LD         | NC  | <input type="checkbox"/> | NC         |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0612\_03 From a point immediately upstream of Bear Bayou upstream to upper boundary at FM 95.

**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 | 12/1/2003       | 11/30/2010    | 33     |           | 11       | 3.25        | 5.00     | AD      | CS  | <input type="checkbox"/> | CS      | depressed dissolved oxygen |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 33     |           | 4        | 2.05        | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 3      |           | 1        | 1342        | 991.00   | ID      | NA  | <input type="checkbox"/> | NA      |                            |     |
| Acute Toxic Substances in water       | Cadmium               | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 10.35    | ID      | NA  | <input type="checkbox"/> | NA      |                            |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 237.67   | ID      | NA  | <input type="checkbox"/> | NA      |                            |     |
| Acute Toxic Substances in water       | Copper                | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 7.04     | ID      | NA  | <input type="checkbox"/> | NA      |                            |     |
| Acute Toxic Substances in water       | Lead                  | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 19.77    | ID      | NA  | <input type="checkbox"/> | NA      |                            |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 596.37   | ID      | NA  | <input type="checkbox"/> | NA      |                            |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 48.16    | ID      | NA  | <input type="checkbox"/> | NA      |                            |     |
| Chronic Toxic Substances in water     | Lead                  | 12/1/2003       | 11/30/2010    | 3      | 0.52      | 1        |             | 0.32     | ID      | NA  | <input type="checkbox"/> | NA      |                            |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003       | 11/30/2010    | 3      | 2.05      | 0        |             | 40.28    | ID      | NA  | <input type="checkbox"/> | NA      |                            |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003       | 11/30/2010    | 3      | 1.00      | 0        |             | 47.64    | ID      | NA  | <input type="checkbox"/> | NA      |                            |     |
| Chronic Toxic Substances in water     | Cadmium               | 12/1/2003       | 11/30/2010    | 3      | 0.05      | 0        |             | 0.29     | ID      | NA  | <input type="checkbox"/> | NA      |                            |     |
| Chronic Toxic Substances in water     | Copper                | 12/1/2003       | 11/30/2010    | 3      | 1.14      | 0        |             | 3.11     | ID      | NA  | <input type="checkbox"/> | NA      |                            |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003       | 11/30/2010    | 3      | 2.65      | 0        |             | 26.72    | ID      | NA  | <input type="checkbox"/> | 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 | E. coli   | 12/1/2001       | 11/30/2008    | 49     |           | 20       | 991.65      | 394.00   | SM      | NS  | <input type="checkbox"/> | NA      | bacteria   | 5b  |
| Bacteria Geomean       | E. coli   | 12/1/2003       | 11/30/2010    | 60     | 288.18    | 1        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | NS      | bacteria   | 5b  |

**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 | 12/1/2003       | 11/30/2010    | 35     |           | 0        |             | 32.20    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0612\_03 From a point immediately upstream of Bear Bayou upstream to upper boundary at FM 95.

**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 |
|---------------------------|------------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 32     |           | 0        |             | 8.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 32     |           | 0        |             | 6.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 61     | 19.75     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 103    | 103.79    | 0        |             | 200.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 61     | 11.97     | 0        |             | 75.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 37     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 36     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 37     |           | 17       | 0.71        | 0.33     | AD      | CS  | <input type="checkbox"/> | CS      | ammonia    |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 37     |           | 1        | 4           | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 26     |           | 3        | 39.07       | 14.10    | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Cadmium   | 12/1/2003       | 11/30/2010    | 6      | 0.05      | 0        |             | 5.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 6      | 0.48      | 0        |             | 1.15     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 6      | 0.94      | 0        |             | 62.00    | LD      | NC  | <input type="checkbox"/> | 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 | Arsenic   | 12/1/2003       | 11/30/2010    | 6      | 3.06      | 0        |             | 10.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 6      | 0.05      | 0        |             | 5.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 5      | 0.09      | 0        |             | 4.00     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Lead      | 12/1/2003       | 11/30/2010    | 6      | 0.48      | 0        |             | 1.15     | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 91     | 0.27      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River**

**AUID** 0612\_03 From a point immediately upstream of Bear Bayou upstream to upper boundary at FM 95.

**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 | Selenium  | 12/1/2003       | 11/30/2010    | 6      | 21.02     | 0        |             | 50.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0613 Lake Tyler/Lake Tyler East**

**AUID 0613\_01 Lake Tyler lower reservoir**

**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 | 12/1/2003       | 11/30/2010    | 26     |           | 2        | 4.4         | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Selenium              | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 20.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Selenium              | 12/1/2003       | 11/30/2010    | 3      | 0.11      | 0        |             | 5.00     | ID      | NA  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 21     | 3.92      | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 33.90    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 9.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 6.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 102    | 11.91     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 102    | 8.23      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 102    | 72.56     | 0        |             | 200.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 25     |           | 0        |             | 0.05     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 26     |           | 3        | 0.16        | 0.11     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 24     |           | 0        |             | 0.20     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 24     |           | 2        | 36.1        | 26.70    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |

**2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River**

**AUID** 0613\_01 Lake Tyler lower reservoir

**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 | Fluoride  | 12/1/2003       | 11/30/2010    | 102    | 0.11      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 102    | 0.04      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003       | 11/30/2010    | 6      | 0.11      | 0        |             | 50.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0613\_02 Lake Tyler upper reservoir

**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 | 12/1/2003       | 11/30/2010    | 26     |           | 1        | 3.69        | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 22     | 6.33      | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 33.90    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 26     |           | 1        | 10.05       | 9.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 6.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 102    | 72.56     | 0        |             | 200.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 102    | 11.91     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 102    | 8.23      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 25     |           | 0        |             | 0.05     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 26     |           | 2        | 0.2         | 0.11     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 24     |           | 0        |             | 0.20     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 24     |           | 4        | 32.03       | 26.70    | AD      | NC  | <input type="checkbox"/> | 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 | Fluoride  | 12/1/2003       | 11/30/2010    | 102    | 0.11      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 102    | 0.04      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River**

**AUID** 0613\_02 Lake Tyler upper reservoir

**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 | Selenium  | 12/1/2003       | 11/30/2010    | 6      | 0.11      | 0        |             | 50.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0613\_03 Lake Tyler East lower reservoir

**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 | 12/1/2003       | 11/30/2010    | 26     |           | 3        | 4.29        | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Selenium              | 12/1/2003       | 11/30/2010    | 3      |           | 0        |             | 20.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Selenium              | 12/1/2003       | 11/30/2010    | 3      | 0.11      | 0        |             | 5.00     | ID      | NA  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 20     | 5.41      | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 33.90    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 9.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 6.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 102    | 72.56     | 0        |             | 200.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 102    | 11.91     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 102    | 8.23      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 23     |           | 1        | 41.6        | 26.70    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 25     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 24     |           | 0        |             | 0.05     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 24     |           | 1        | 0.16        | 0.11     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 22     |           | 0        |             | 0.20     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |

**2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River**

**AUID** 0613\_03 Lake Tyler East lower reservoir

**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 | Selenium  | 12/1/2003       | 11/30/2010    | 6      | 0.11      | 0        |             | 50.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 102    | 0.11      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 102    | 0.04      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0613\_04 Lake Tyler East upper reservoir

**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 | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 21     | 7.57      | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 33.90    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 9.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 26     |           | 1        | 5.85        | 6.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 102    | 72.56     | 0        |             | 200.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 102    | 11.91     | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 102    | 8.23      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 23     |           | 0        |             | 0.20     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 23     |           | 3        | 40.53       | 26.70    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 24     |           | 1        | 0.08        | 0.05     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 25     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 25     |           | 1        | 0.12        | 0.11     | AD      | NC  | <input type="checkbox"/> | 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   | 12/1/2003       | 11/30/2010    | 102    | 0.04      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003       | 11/30/2010    | 6      | 0.11      | 0        |             | 50.00    | LD      | NC  | <input type="checkbox"/> | NC      |            |     |

**2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River**

**AUID** 0613\_04 Lake Tyler East upper reservoir

**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 | Fluoride  | 12/1/2003       | 11/30/2010    | 102    | 0.11      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0614 Lake Jacksonville**

**AUID 0614\_01 Lower reservoir**

**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 | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 991.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 28.67    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 143.98   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 355.34   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003       | 11/30/2010    | 1      | 2.00      | 0        |             | 60.91    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003       | 11/30/2010    | 1      | 2.50      | 0        |             | 51.92    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003       | 11/30/2010    | 1      | 4.67      | 0        |             | 34.46    | ID      | NA  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 19     | 3.09      | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 33.90    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH           | pH                     | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 9.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH            | pH                     | 12/1/2003       | 11/30/2010    | 28     |           | 0        |             | 6.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids  | Chloride               | 12/1/2003       | 11/30/2010    | 56     | 8.46      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids  | Sulfate                | 12/1/2003       | 11/30/2010    | 56     | 5.95      | 0        |             | 75.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids  | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 56     | 62.39     | 0        |             | 750.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0614\_01 Lower reservoir

**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 | Total Phosphorus | 12/1/2003       | 11/30/2010    | 25     |           | 0        |             | 0.20     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 26.70    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 27     |           | 1        | 0.2         | 0.11     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 25     |           | 0        |             | 0.05     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 2      | 2.00      | 0        |             | 62.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

**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 | Fluoride  | 12/1/2003       | 11/30/2010    | 56     | 0.11      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 54     | 0.04      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0614\_02 Upper reservoir

**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 | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 5.00     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 991.00   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Zinc                  | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 30.34    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Chromium              | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 152.08   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Acute Toxic Substances in water       | Nickel                | 12/1/2003       | 11/30/2010    | 1      |           | 0        |             | 376.04   | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Chromium              | 12/1/2003       | 11/30/2010    | 1      | 2.00      | 0        |             | 60.91    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Nickel                | 12/1/2003       | 11/30/2010    | 1      | 2.50      | 0        |             | 51.92    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |
| Chronic Toxic Substances in water     | Zinc                  | 12/1/2003       | 11/30/2010    | 1      | 2.00      | 0        |             | 34.46    | ID      | NA  | <input type="checkbox"/> | 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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 19     | 3.76      | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 33.90    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 27     |           | 2        | 9.43        | 9.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 6.50     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 56     | 62.39     | 0        |             | 750.00   | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 56     | 8.46      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 56     | 5.95      | 0        |             | 75.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 25     |           | 1        | 46.4        | 26.70    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0614\_02 Upper reservoir

**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 | Total Phosphorus | 12/1/2003       | 11/30/2010    | 24     |           | 0        |             | 0.20     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 24     |           | 1        | 0.14        | 0.11     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 25     |           | 0        |             | 0.05     | AD      | NC  | <input type="checkbox"/> | 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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 2      | 2.00      | 0        |             | 62.00    | ID      | NA  | <input type="checkbox"/> | NA      |            |     |

**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 | Fluoride  | 12/1/2003       | 11/30/2010    | 56     | 0.11      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 54     | 0.04      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |



## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0615 Angelina River/Sam Rayburn Reservoir**

**AUID 0615\_01** Entire water body

**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     | 12/1/2003       | 11/30/2010    | 27     |           | 4        | 4.08        | 5.00     | AD      | CS  | <input type="checkbox"/> | CS      | depressed dissolved oxygen |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab     | 12/1/2003       | 11/30/2010    | 27     |           | 1        | 2.85        | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Dissolved Oxygen 24hr average         | Dissolved Oxygen 24hr Avg | 12/1/2000       | 11/30/2010    | 12     |           | 5        | 4.04        | 5.00     | AD      | NS  | <input type="checkbox"/> | NS      | depressed dissolved oxygen | 5b  |
| Dissolved Oxygen 24hr minimum         | Dissolved Oxygen 24hr Min | 12/1/2000       | 11/30/2010    | 12     |           | 1        | 2.5         | 3.00     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Copper                    | 12/1/2003       | 11/30/2010    | 15     |           | 0        |             | 10.15    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Zinc                      | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 66.93    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Selenium                  | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 20.00    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Lead                      | 12/1/2003       | 11/30/2010    | 19     |           | 0        |             | 32.42    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Chromium                  | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 326.70   | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Cadmium                   | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 16.05    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Arsenic                   | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 360.00   | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Aluminum                  | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 991.00   | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Acute Toxic Substances in water       | Nickel                    | 12/1/2003       | 11/30/2010    | 20     |           | 0        |             | 828.39   | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Chromium                  | 12/1/2003       | 11/30/2010    | 20     | 2.00      | 0        |             | 60.91    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Zinc                      | 12/1/2003       | 11/30/2010    | 20     | 2.40      | 0        |             | 34.46    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Selenium                  | 12/1/2003       | 11/30/2010    | 20     | 0.13      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Nickel                    | 12/1/2003       | 11/30/2010    | 20     | 3.31      | 0        |             | 51.92    | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Copper                    | 12/1/2003       | 11/30/2010    | 15     | 1.56      | 0        |             | 4.01     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |
| Chronic Toxic Substances in water     | Cadmium                   | 12/1/2003       | 11/30/2010    | 20     | 0.07      | 0        |             | 0.37     | AD      | FS  | <input type="checkbox"/> | FS      |                            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0615\_01 Entire water body

**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 |
|-----------------------------------|----------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|-------------------------------------|---------|-------------------------|-----|
| Chronic Toxic Substances in water | Arsenic        | 12/1/2003       | 11/30/2010    | 20     | 1.72      | 0        |             | 190.00   | AD      | FS  | <input type="checkbox"/>            | FS      |                         |     |
| Chronic Toxic Substances in water | Lead           | 12/1/2003       | 11/30/2010    | 19     | 0.12      | 0        |             | 0.48     | AD      | FS  | <input type="checkbox"/>            | FS      |                         |     |
| Fish Community                    | Fish Community | 12/1/2003       | 11/30/2010    |        |           |          |             |          | ID      | NA  | <input checked="" type="checkbox"/> | NS      | impaired fish community | 5c  |

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 27     | 101.62    | 0        |             | 126.00   | AD      | FS  | <input type="checkbox"/> | 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            | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 33.90    | AD      | FS  | <input type="checkbox"/> | FS      |                  |     |
| High pH                   | pH                     | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 9.00     | AD      | FS  | <input type="checkbox"/> | FS      |                  |     |
| Low pH                    | pH                     | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 6.50     | AD      | FS  | <input type="checkbox"/> | FS      |                  |     |
| Dissolved Solids          | Total Dissolved Solids | 12/1/2003       | 11/30/2010    | 29     | 158.57    | 0        |             | 500.00   | AD      | FS  | <input type="checkbox"/> | FS      |                  |     |
| Dissolved Solids          | Chloride               | 12/1/2003       | 11/30/2010    | 27     | 22.37     | 0        |             | 150.00   | AD      | FS  | <input type="checkbox"/> | FS      |                  |     |
| Dissolved Solids          | Sulfate                | 12/1/2003       | 11/30/2010    | 27     | 26.48     | 0        |             | 100.00   | AD      | FS  | <input type="checkbox"/> | FS      |                  |     |
| Nutrient Screening Levels | Ammonia                | 12/1/2003       | 11/30/2010    | 27     |           | 4        | 0.15        | 0.11     | AD      | NC  | <input type="checkbox"/> | NC      |                  |     |
| Nutrient Screening Levels | Total Phosphorus       | 12/1/2003       | 11/30/2010    | 27     |           | 8        | 0.3         | 0.20     | AD      | CS  | <input type="checkbox"/> | CS      | total phosphorus |     |
| Nutrient Screening Levels | Orthophosphorus        | 12/1/2003       | 11/30/2010    | 26     |           | 12       | 0.11        | 0.05     | AD      | CS  | <input type="checkbox"/> | CS      | orthophosphorus  |     |
| Nutrient Screening Levels | Nitrate                | 12/1/2003       | 11/30/2010    | 27     |           | 6        | 0.51        | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |                  |     |
| Nutrient Screening Levels | Chlorophyll-a          | 12/1/2003       | 11/30/2010    | 26     |           | 0        |             | 26.70    | AD      | NC  | <input type="checkbox"/> | 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 | 12/1/2003       | 11/30/2010    |        |           |          |             |          | OE      | NS  | <input type="checkbox"/> | NS      | mercury in edible tissue | 5c  |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**AUID** 0615\_01 Entire water body

**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 |
|------------------------------------|-----------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| HH Bioaccumulative Toxics in water | Lead      | 12/1/2003       | 11/30/2010    | 19     | 0.15      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Cadmium   | 12/1/2003       | 11/30/2010    | 20     | 0.11      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| HH Bioaccumulative Toxics in water | Chromium  | 12/1/2003       | 11/30/2010    | 20     | 2.00      | 0        |             | 62.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

**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 | Lead      | 12/1/2003       | 11/30/2010    | 19     | 0.15      | 0        |             | 1.15     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Nitrate   | 12/1/2003       | 11/30/2010    | 27     | 0.28      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Selenium  | 12/1/2003       | 11/30/2010    | 20     | 0.13      | 0        |             | 50.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Fluoride  | 12/1/2003       | 11/30/2010    | 27     | 0.14      | 0        |             | 4.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Arsenic   | 12/1/2003       | 11/30/2010    | 20     | 1.65      | 0        |             | 10.00    | AD      | FS  | <input type="checkbox"/> | FS      |            |     |
| Surface Water HH criteria for PWS average | Cadmium   | 12/1/2003       | 11/30/2010    | 20     | 0.11      | 0        |             | 5.00     | AD      | FS  | <input type="checkbox"/> | FS      |            |     |

## 2012 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

**SEGID 0615A Paper Mill Creek (unclassified water body)**

**AUID 0615A\_01** From the confluence of Angelina River/Sam Rayburn (0615) upstream to confluence with Mill Creek (0615B)

**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 | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 2.00     | AD      | NC  | <input checked="" type="checkbox"/> | CS      | depressed dissolved oxygen |     |
| Dissolved Oxygen grab minimum         | Dissolved Oxygen Grab | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 1.50     | AD      | FS  | <input checked="" type="checkbox"/> | CN      | depressed dissolved oxygen |     |
| Acute Toxic Substances in water       | Aluminum              | 12/1/2003       | 11/30/2010    | 6      |           | 4        | 1435        | 991.00   | LD      | NS  | <input checked="" type="checkbox"/> | PI      | aluminum in water          |     |

**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 Geomean | E. coli   | 12/1/2003       | 11/30/2010    | 27     | 143.67    | 0        |             | 126.00   | AD      | NS  | <input type="checkbox"/> | 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 |
|---------------------------|------------------|-----------------|---------------|--------|-----------|----------|-------------|----------|---------|-----|--------------------------|---------|------------|-----|
| Nutrient Screening Levels | Chlorophyll-a    | 12/1/2003       | 11/30/2010    | 26     |           | 4        | 26.18       | 14.10    | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Nitrate          | 12/1/2003       | 11/30/2010    | 27     |           | 0        |             | 1.95     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Orthophosphorus  | 12/1/2003       | 11/30/2010    | 26     |           | 4        | 0.58        | 0.37     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Ammonia          | 12/1/2003       | 11/30/2010    | 27     |           | 1        | 0.67        | 0.33     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |
| Nutrient Screening Levels | Total Phosphorus | 12/1/2003       | 11/30/2010    | 26     |           | 2        | 0.88        | 0.69     | AD      | NC  | <input type="checkbox"/> | NC      |            |     |