

Appendix 1-B

Draft 2008 303(d) List of Impaired Water Bodies within the East Texas Regional Water Planning Area

Under Section 303(d) of the 1972 Clean Water Act, the TCEQ evaluates surface water in or bordering the state and compiles a list of impaired water bodies, or water bodies that do not meet uses and criteria defined in the Texas Surface Water Quality Standards. All impaired water bodies are placed into one of five categories, dependent on the water quality or status of TMDLs for these waters.

The TCEQ prepares a list of impaired water bodies on a bi-annual basis. The TCEQ Draft 2008 Texas 303(d) List identifies such water bodies within the ETRWPA. The draft 303(d) list is expected to be finalized by mid-2010.

Tables 1-B.1 and 1-B.2 follow in this appendix. Table 1-B.1 provides a general listing of the types of water quality impairments currently identified in the ETRWPA. A total of 69 separate impairments are noted. These include impairments in water, sediment, and fish or shellfish tissue. A range of use impairments is noted. Table 1-B.2 lists, by segment number, the specific water quality impairments identified in the Draft 2008 303(d) List. The following describes the information provided in the tables:

| | |
|--------------------------|---|
| Segment Number and Name: | Segment Numbers (TCEQ defined unique identifier or SegID) and Segment Names are provided. Four-digit numbers are classified segments as defined in Appendix A of the <i>Texas Surface Water Quality Standards</i> . Five-digit numbers are described in Appendix D of the <i>Texas Surface Water Quality Standards</i> and are partially classified or unclassified water bodies associated with a classified water body because it is in the same watershed. |
|--------------------------|---|

Concern: A water use concern is designated based upon the impairment(s) in the water body.

Description of Impairment: Pollutants or water quality conditions found in the water body which do not meet Texas Surface Water Quality Standards.

Category: Category 5 constitutes water bodies included on the 303(d) List of Impaired Waters, in which a TMDL may be required. Each impaired parameter was assigned one of three subcategories based upon the status of a TMDL schedule. A summary of the subcategories follows:

- 5a – A TMDL is underway, scheduled, or will be scheduled.
- 5b – A review of the water quality standards for the water body will be conducted before a TMDL is scheduled
- 5c – Additional data and information will be collected before a TMDL is scheduled.

**Texas Commission on Environmental Quality Draft 2008 303(d) List of Impaired
Water Bodies Within the East Texas Regional Water Planning Area**

Table 1-B.1 Impairments in ETRWPA

| Impairment Parameters | 2008 Number of Impairments | Use |
|---|---|-----------------------------------|
| Bacteria in water | 29 | Recreation |
| Dissolved Oxygen | 18 | Aquatic Life |
| Toxicity in Water or Sediment | 4 | Aquatic Life |
| Metals (except Mercury) in Water or Fish/Shellfish | 5 | Fish Consumption, Aquatic Life |
| Mercury in Water or Fish/Shellfish | 9 | Aquatic Life, Fish Consumption |
| pH | 3 | General |
| Biological | 3 | Aquatic Life |
| Total | 69 | |

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Table 1-B.2 Impaired Water Bodies in ETRWPA

| Segment | | Concern is for | | | | Description of Impairment | Category |
|---------|--|----------------|------------|------------------|-------------|--|----------|
| Number | Name | Aquatic Life | Recreation | Fish Consumption | General Use | | |
| 0501 | Sabine River Tidal | | ● | | | Bacteria. | 5c |
| 0501B | Little Cypress Bayou (unclassified water body) | ● | ● | | | Depressed dissolved oxygen, toxicity in water, bacteria. | 5c |
| 0502A | Nichols Creek (unclassified water body) | ● | ● | | | Depressed dissolved oxygen, toxicity in water, bacteria. | 5c |
| 0502B | Caney Creek (unclassified water body) | | ● | | | Bacteria. | 5c |
| 0504 | Toledo Bend Reservoir | ● | | ● | | Depressed dissolved oxygen, mercury in edible tissue. | 5c |
| 0504C | Palo Gaucho Bayou (unclassified water body) | ● | | | | Toxicity in water. | 5c |
| 0504E | Clear Lake | ● | | ● | | Mercury in edible tissue. | 5c |
| 0505 | Sabine River above Toledo Bend Reservoir | | ● | | | Bacteria. | 5a |
| 0505O | Hills Lake | ● | | ● | | Mercury in edible tissue. | 5c |
| 0603 | B. A. Steinhagen Lake | ● | | ● | | Mercury in edible tissue. | 5c |

Table 1-B.2 Impaired Water Bodies in ETRWPA (Cont.)

| Segment | | Concern is for | | | | Description of Impairment | Category |
|---------|--|----------------|------------|------------------|-------------|---------------------------------------|----------|
| Number | Name | Aquatic Life | Recreation | Fish Consumption | General Use | | |
| 0603A | Sandy Creek (unclassified water body) | | ● | | | Bacteria. | 5c |
| 0603B | Wolf Creek (unclassified water body) | | ● | | | Bacteria. | 5c |
| 0604 | Neches River Below Lake Palestine | ● | | ● | | Lead in water. | 5c |
| 0604A | Cedar Creek (unclassified water body) | | ● | | | Bacteria. | 5c |
| 0604B | Hurricane Creek (unclassified water body) | | ● | | | Bacteria. | 5c |
| 0604C | Jack Creek (unclassified water body) | | ● | | | Bacteria. | 5c |
| 0604D | Piney Creek (unclassified water body) | ● | ● | | | Depressed dissolved oxygen, bacteria. | 5c |
| 0604M | Biloxi Creek (unclassified water body) | ● | ● | | | Depressed dissolved oxygen, bacteria. | 5c |

Table 1-B.2 Impaired Water Bodies in ETRWPA (Cont.)

| Segment | | Concern is for | | | | Description of Impairment | Category |
|---------|--|----------------|------------|------------------|-------------|--|--------------------------------------|
| Number | Name | Aquatic Life | Recreation | Fish Consumption | General Use | | |
| 0604T | Lake Ratcliff (unclassified water body) | ● | | ● | | Mercury in edible tissue. | 5c |
| 0605 | Lake Palestine | | | | ● | pH | 5c |
| 0605A | Kickapoo Creek (unclassified water body) | ● | ● | | | Depressed dissolved oxygen, bacteria. | 5c |
| 0606 | Neches River Above Lake Palestine | ● | ● | ● | ● | Depressed dissolved oxygen, zinc in water, bacteria, pH. | 5c |
| 0606A | Prairie Creek (unclassified water body) | | ● | | | Bacteria. | 5c |
| 0607 | Pine Island Bayou | ● | ● | | | Depressed dissolved oxygen, bacteria. | 5b (dissolved oxygen), 5c (bacteria) |
| 0607A | Boggy Creek (unclassified water body) | ● | | | | Depressed dissolved oxygen. | 5b |
| 0607B | Little Pine Island Bayou (unclassified water body) | ● | ● | | | Depressed dissolved oxygen, bacteria. | 5b (dissolved oxygen), 5c (bacteria) |
| 0607C | Willow Creek (unclassified water body) | ● | | | | Depressed dissolved oxygen. | 5b |
| 608 | Village Creek | | | | ● | pH. | 5b |

Table 1-B.2 Impaired Water Bodies in ETRWPA (Cont.)

| Segment | | Concern is for | | | | Description of Impairment | Category |
|---------|--|----------------|------------|------------------|-------------|--|---|
| Number | Name | Aquatic Life | Recreation | Fish Consumption | General Use | | |
| 0608A | Beech Creek (unclassified water body) | | ● | | | Bacteria. | 5c |
| 0608B | Big Sandy Creek (unclassified water body) | | ● | | | Bacteria. | 5c |
| 0608C | Cypress Creek (unclassified water body) | ● | ● | ● | | Depressed dissolved oxygen, aluminum in water, bacteria. | 5b (dissolved oxygen), 5c (aluminum & bacteria) |
| 0608E | Mill Creek | ● | | | | Depressed dissolved oxygen. | 5c |
| 0608F | Turkey Creek (unclassified water body) | | ● | | | Bacteria. | 5c |
| 0608G | Lake Kimball (unclassified water body) | ● | | ● | | Mercury in edible tissue. | 5c |
| 0610 | Sam Rayburn Reservoir | ● | | ● | | Mercury in edible tissue. | 5c |
| 0610A | Ayish Bayou (unclassified water body) | | ● | | | Bacteria. | 5a |
| 0611 | Angelina River Above Sam Rayburn Reservoir | | ● | | | Bacteria. | 5a |
| 0611A | East Fork Angelina River (unclassified water body) | ● | ● | ● | | Bacteria, Lead in water. | 5c |

Table 1-B.2 Impaired Water Bodies in ETRWPA (Cont.)

| Segment | | Concern is for | | | | Description of Impairment | Category |
|---------|--|----------------|------------|------------------|-------------|--|----------|
| Number | Name | Aquatic Life | Recreation | Fish Consumption | General Use | | |
| 0611B | La Nana Bayou (unclassified water body) | | ● | | | Bacteria. | 5a |
| 0612 | Attoyac Bayou | | ● | | | Bacteria. | 5a |
| 0615 | Angelina River/Sam Rayburn Reservoir | ● | ● | ● | | Depressed dissolved oxygen, impaired fish community, mercury in edible tissue, bacteria. | 5c |
| 0615A | Papermill Creek (unclassified water body) | | ● | | | Bacteria. | 5c |
| 0701 | Taylor Bayou above Tidal | ● | | | | Depressed dissolved oxygen. | 5a |
| 0701D | Shallow Prong Lake (unclassified water body) | ● | | | | Depressed dissolved oxygen. | 5a |
| 0702A | Alligator Bayou (unclassified water body) | ● | | | | Impaired fish community, toxicity in water and sediment. | 5c |
| 0704 | Hillebrandt Bayou | ● | | | | Depressed dissolved oxygen. | 5a |
| 0804G | Catfish Creek (unclassified water body) | ● | | | | Depressed dissolved oxygen, impaired macrobenthic community. | 5c |
| 2501 | Gulf of Mexico (<i>areas in or next to East Texas Region</i>) | ● | | ● | | Mercury in edible tissue. | 5c |

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