

2004 Water Quality Inventory Water Bodies Assessed with Fewer Than Ten Samples and Identified as Not Supporting the Standard (May 13, 2005)

For the 2004 assessment, the TCEQ will identify water bodies with small datasets as partially supporting or not supporting designated uses, without regard for sample size, provided they meet the threshold number of exceedances (measurements not attaining the water quality standards) and are otherwise representative (data collected over at least a two-year period). This change in assessment procedure was implemented due to the certainty that small data sets that already have the threshold number of exceedances will demonstrate partial or nonsupport of uses should more samples be collected to reach a total sample size of ten.

Public comment is solicited on this change in the method for assessment, as well as the following water bodies or parameters which are included on the Draft 2004 303(d) List as a result of this new assessment method:

0506G	Little White Oak Creek	- new water body listing for chronic toxicity in water to aquatic organisms
0604D	Piney Creek	- new water body listing for depressed dissolved oxygen
0606	Neches River above Lake Palestine	- new parameter added, depressed dissolved oxygen
0608C	Cypress Creek	- new parameter added, aluminum in water
1429C	Waller Creek	- new parameter added, bacteria
1910	Salado Creek	- new parameter added, impaired habitat
2003	Aransas River Tidal	- new water body listing for bacteria
2422C	Cotton Bavou	- new water body listing for depressed dissolved oxygen

Explanation of column headings

SegID:	May be one of two types of numbers. The first type is a classified segment number (4 digits, <i>e.g.</i> 0218), as defined in the <i>Texas Surface Water Quality Standards</i> . The second type is an unclassified water body (0218A), not defined in the Standards, associated with a classified water body because it is in the same watershed.
Area:	This describes the specific area in which one or more water quality standards are not met.
Assessment Method:	Sample measurement or constituents used to determine support of the standard
Parameter:	These are pollutants or water quality conditions that screening procedures indicate are the reason the water quality standards are not met.

SegID: 0303B White Oak Creek (unclassified water body)

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
Lower 25 miles of segment	Dissolved Oxygen 24hr average	7	3	depressed dissolved oxygen	yes
Middle 25 miles near Hwy 271	Dissolved Oxygen 24hr average	9	4	depressed dissolved oxygen	yes

2004 Water Quality Inventory Water Bodies Assessed with Fewer Than Ten Samples and Identified as Not Supporting the Standard

Page: 2

SegID: 0401 Caddo Lake

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
Goose Prairie arm	Dissolved Oxygen grab minimum	6	3	depressed dissolved oxygen	no
Goose Prairie arm	pH	6	3	low pH	no
Hells Half Acre	Dissolved Oxygen grab minimum	8	3	depressed dissolved oxygen	yes
Clinton Lake	Dissolved Oxygen 24hr average	7	4	depressed dissolved oxygen	yes
Clinton Lake	Dissolved Oxygen 24hr minimum	7	3	depressed dissolved oxygen	yes

SegID: 0402A Black Cypress Bayou (unclassified water body)

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
Middle 17 miles near CR 1617	Dissolved Oxygen 24hr average	9	3	depressed dissolved oxygen	no

SegID: 0406 Black Bayou

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
Upper 12 miles	Dissolved Oxygen 24hr average	5	5	depressed dissolved oxygen	no
Upper 12 miles	Dissolved Oxygen 24hr minimum	5	4	depressed dissolved oxygen	no

SegID: 0505B Grace Creek (unclassified water body)

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
Upper 12.3 miles	Fecal coliform single sample	6	6	bacteria	yes

2004 Water Quality Inventory Water Bodies Assessed with Fewer Than Ten Samples and Identified as Not Supporting the Standard

Page: 3

SegID: 0506G Little White Oak Creek (unclassified water body)

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
Entire water body	Chronic Toxicity tests in water	5	3	chronic toxicity in water to aquatic organisms	no

SegID: 0508A Adams Bayou Above Tidal (unclassified water body)

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
Entire bayou above tidal	Dissolved Oxygen 24hr average	5	4	depressed dissolved oxygen	yes
Entire bayou above tidal	Dissolved Oxygen 24hr minimum	5	4	depressed dissolved oxygen	yes

SegID: 0511 Cow Bayou Tidal

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
5 mile reach near FM 1442 (north crossing)	Dissolved Oxygen 24hr average	5	5	depressed dissolved oxygen	yes
5 mile reach near FM 1442 (north crossing)	Dissolved Oxygen 24hr minimum	5	5	depressed dissolved oxygen	yes

SegID: 0604D Piney Creek (unclassified water body)

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
Lower 25 miles	Dissolved Oxygen 24hr average	4	4	depressed dissolved oxygen	no
Lower 25 miles	Dissolved Oxygen 24hr minimum	4	4	depressed dissolved oxygen	no

2004 Water Quality Inventory Water Bodies Assessed with Fewer Than Ten Samples and Identified as Not Supporting the Standard

Page: 4

SegID: 0606 Neches River Above Lake Palestine

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
Prairie Creek to river mile 7.0	Dissolved Oxygen 24hr average	5	5	depressed dissolved oxygen	no
Prairie Creek to river mile 7.0	Dissolved Oxygen 24hr minimum	5	5	depressed dissolved oxygen	no

SegID: 0607 Pine Island Bayou

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
River Mile 5.7 to mile 12.1	Dissolved Oxygen 24hr average	8	5	depressed dissolved oxygen	yes
River Mile 5.7 to mile 12.1	Dissolved Oxygen 24hr minimum	8	4	depressed dissolved oxygen	yes

SegID: 0608C Cypress Creek (unclassified water body)

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
Entire water body	Acute Metals in water	7	2	aluminum (acute) in water	no

SegID: 0615 Angelina River/Sam Rayburn Reservoir

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
Downstream of Papermill Creek	Dissolved Oxygen 24hr average	8	6	depressed dissolved oxygen	yes

2004 Water Quality Inventory Water Bodies Assessed with Fewer Than Ten Samples and Identified as Not Supporting the Standard

Page: 5

SegID: 0702A Alligator Bayou (unclassified water body)

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
Lower portion from SH82 to its confluence with Taylor Bayou	Chronic Toxicity tests in sediment	4	4	chronic toxicity in sediment to aquatic organisms	yes
Upper portion from its headwaters at the Port Arthur Canal to SH82	Acute Toxicity tests in water	9	4	acute toxicity in water to aquatic organisms	yes
Drainage canal leading into Alligator Bayou approx. 0.8 miles north of SH82	Acute Toxicity tests in water	9	3	acute toxicity in water to aquatic organisms	yes

SegID: 0831 Clear Fork Trinity River Below Lake Weatherford

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
From the confluence of Squaw Ck. to Lake Weatherford Dam	Dissolved Oxygen 24hr average	8	7	depressed dissolved oxygen	yes
From the confluence of Squaw Ck. to Lake Weatherford Dam	Dissolved Oxygen 24hr minimum	8	6	depressed dissolved oxygen	yes

SegID: 0833 Clear Fork Trinity River Above Lake Weatherford

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
From the confluence of McKnight Branch to the confluence of Cottonwood Ck.	Dissolved Oxygen 24hr average	5	3	depressed dissolved oxygen	yes
From the confluence of McKnight Branch to the confluence of Cottonwood Ck.	Dissolved Oxygen 24hr minimum	5	3	depressed dissolved oxygen	yes

2004 Water Quality Inventory Water Bodies Assessed with Fewer Than Ten Samples and Identified as Not Supporting the Standard

Page: 6

SegID: 1103 Dickinson Bayou Tidal

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
Upper segment boundary to Arcadia Cemetery Road	Dissolved Oxygen 24hr average	8	7	depressed dissolved oxygen	yes
Upper segment boundary to Arcadia Cemetery Road	Dissolved Oxygen 24hr minimum	8	4	depressed dissolved oxygen	yes
IH 45 to Benson Bayou confluence	Dissolved Oxygen 24hr average	9	4	depressed dissolved oxygen	yes
IH 45 to Benson Bayou confluence	Dissolved Oxygen 24hr minimum	9	4	depressed dissolved oxygen	yes

SegID: 1209A Country Club Lake (unclassified water body)

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
Entire reservoir	Chronic Toxicity tests in sediment	8	6	chronic toxicity in sediment to aquatic organisms	yes

SegID: 1209B Fin Feather Lake (unclassified water body)

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
Entire lake	Chronic Toxicity tests in sediment	8	5	chronic toxicity in sediment to aquatic organisms	yes

SegID: 1429C Waller Creek (unclassified water body)

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
From the confluence with Town Lake to East MLK Blvd.	Fecal coliform single sample	6	5	bacteria	no

2004 Water Quality Inventory Water Bodies Assessed with Fewer Than Ten Samples and Identified as Not Supporting the Standard

Page: 7

SegID: 1803B Sandies Creek (unclassified water body)

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
From the confluence with Elm Creek to upper end of water body	Dissolved Oxygen 24hr average	7	5	depressed dissolved oxygen	no
From the confluence with Elm Creek to upper end of water body	Dissolved Oxygen 24hr minimum	7	4	depressed dissolved oxygen	no

SegID: 1806A Camp Meeting Creek (unclassified water body)

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
Upper 9 miles	Dissolved Oxygen 24hr average	8	3	depressed dissolved oxygen	yes

SegID: 1910 Salado Creek

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
From Hwy 368 to approx 1.5 miles upstream of Loop 410	Habitat	3	3	impaired habitat	no

SegID: 2003 Aransas River Tidal

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
Entire segment	Enterococci single sample	9	5	bacteria	no

2004 Water Quality Inventory Water Bodies Assessed with Fewer Than Ten Samples and Identified as Not Supporting the Standard

Page: 8

SegID: 2304 Rio Grande Below Amistad Reservoir

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
4.5 miles downstream of Hwy 277	Chronic Toxicity tests in water	6	3	chronic toxicity in water to aquatic organisms	yes

SegID: 2306 Rio Grande Above Amistad Reservoir

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
25 miles downstream of upper segment boundary	Chronic Toxicity tests in water	6	3	chronic toxicity in water to aquatic organisms	yes

SegID: 2422C Cotton Bayou (unclassified water body)

Area	Assessment Method	No. Samples	No. Exceed	Parameter	On 2002 303d List
Upper half of bayou	Dissolved Oxygen 24hr minimum	5	3	depressed dissolved oxygen	no