

DRAFT 2008 Texas Water Quality Inventory and 303(d) List – Changes Since the Public Comment Period of 12/21/2007- 1/31/2008 (March 19, 2008)

There are four types of changes described in this document:

1. Changes to the support status for a parameter in a water body or an assessment area.
2. Changes to the concern status for a water body.
3. Changes to the Category for an impairment.
4. Changes to text, station location information, or data description for a water body (does not change the assessment outcome).

Type of Change	SegID	Water Body	Change(s)
1, 3	0229	Upper Prairie Dog Town Fork Red River	For assessment unit 0229_02 the available grab dissolved oxygen samples were determined to be insufficient to characterize the dissolved oxygen in this area due to substantial changes in the flow regime since the initial identification of the impairment. As a result, the number of grab dissolved oxygen samples assessed was changed from 13 samples to 0 samples. The dataset qualifier was changed from AD to JQ. The level of support was changed from FS to NA. The carryforward indicator was removed. The integrated level of support was changed from NS to NA. The 4c Category for this parameter was removed.
3	0404C	Hart Creek (unclassified water body)	The impairment category for bacteria (geomean) was changed from Category 5c to 5a.
4	0505G	Wards Creek (unclassified water body)	For assessment unit 0505G_01 the number of 24-hr dissolved oxygen samples assessed was changed from 9 samples to 10 samples. The dataset qualifier was changed from LD to AD. There was no change in the level of support.
1, 3	0506A	Harris Creek (unclassified water body)	Review of the most recent data indicated a “Concern” for dissolved oxygen (average). A carryforward for depressed dissolved oxygen was added. This water body will remain on the 303(d) List for depressed dissolved oxygen. This impairment has been assigned to Category 5b.
2	0507A	Cowleech Fork Sabine River (unclassified water body)	An Aquatic Life Use of “minimum” was inadvertently assigned to assessment unit 0507A_01. The ALU and criteria have been changed to “high” and the data have been re-assessed. The level of support for dissolved oxygen (average) was changed from “Fully Supporting” to a “Concern”.
3	0511	Cow Bayou Tidal	For assessment units 0511_01 and 0511_03, the impairment category for Enterococcus was changed from Category 5a to 4a.
4	0602A	Booger Branch (unclassified water body)	The Reason Code for delisting depressed dissolved oxygen in this water body was changed from REVPROC to ERROR. The Additional Information associated with the Reason Code states that the original listing was in error. The original dataset included dissolved oxygen values collected during low or no flow conditions when the criteria do not apply.
4	0604	Neches River Below Lake Palestine	The assessment unit description for 0604_05 changed from “From US84 to CR 336” to “From US 84 to Blackburn Crossing Dam in Anderson/Cherokee County”.
4	0606	Neches River Above Lake Palestine	For assessment unit 0606_03 the “Source Unknown” has been added as a source for the depressed dissolved oxygen (grab min) carryforward.
4	0610	Sam Rayburn Reservoir	The Reason Code for delisting depressed dissolved oxygen in this water body was changed from REVPROC to ERROR. The Additional Information associated with the Reason Code states that the original listing was in error. Re-evaluation of the original dataset does not show exceedances of the DO minimum or average criteria. Evaluation of current data indicates support of the dissolved oxygen criteria.

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Type of Change	SegID	Water Body	Change(s)
4	0806	West Fork Trinity River Below Lake Worth	This water body meets the water quality standard for bacteria and was inadvertently left off the Draft 2008 Texas Water Bodies and Parameters Removed from the 303(d) List. It now appears on this document as meeting the assigned water quality standard for bacteria.
1, 3	0806A	Fosdic Lake (unclassified water body)	This water body is now assessed for Fish Consumption Use. The impairment for chlordane, dieldrin, and DDE in fish tissue was removed. The impairment category for these parameters has been removed. The impairment for PCBs in fish tissue is unchanged.
3	0810A	Big Sandy Creek (unclassified water body)	The impairment category for bacteria (geomean) was changed from Category 5c to 5a.
3	0810B	Garrett Creek (unclassified water body)	The impairment category for bacteria (geomean) was changed from Category 5c to 5a.
3	0810C	Martin Branch (unclassified water body)	The impairment category for bacteria (geomean) was changed from Category 5c to 5a.
3	0810D	Salt Creek (unclassified water body)	The impairment category for bacteria (geomean) was changed from Category 5c to 5a.
1, 3	0823A	Little Elm Creek (unclassified water body)	Although there is a limited dataset for E. coli, the Contact Recreation Use has been assessed for fecal coliform. This water body now meets the assigned water quality standard for bacteria. This water body has been removed from the 2008 Draft 303(d) List for bacteria. The impairment category has been removed.
1, 3	1006	Houston Ship Channel Tidal	For assessment unit 1006_01, the Enterococcus (single sample) level of support reported was in error. The level of support was changed from Fully Supporting to Not Supporting. The impairment category is now Category 5c.
4	1007	Houston Ship Channel/Buffalo Bayou Tidal	The sediment toxicity impairment for assessment unit 1007_05, Vince Bayou, is no longer proposed for delisting. The following changes were made to the assessment outcome: the LOE Toxic Sediment Condition dataset qualifier was changed from JQ to OE; the level of support changed from a “Concern” to “Not Assessed”; the integrated level of support is “Not Supporting”; a carryforward has been added. Assessment unit 1007_08 was omitted from the assessment in error. This assessment unit has been included in the assessment for segment 1007.
4	1007R	Hunting Bayou Above Tidal (unclassified water body)	The assigned Aquatic Life Use for assessment units 1007R_01, 1007R_02, and 1007R_03 was changed from “high” to “intermediate”.
4	1013A	Little White Oak Bayou (unclassified water body)	The assessment unit description for 1013A_01 has been changed from “From RR tracks north of IH 610 to Trimble St” to “From the confluence of White Oak Bayou upstream to the RR Tracks north of IH 610” to reflect the area described in Appendix D of the 2000 Texas Water Quality Standards. The Aquatic Life Use criteria were changed from “limited” to “intermediate”. Station 16648 has been included in this assessment unit. This assessment unit will remain impaired for bacteria and depressed dissolved oxygen. The assessment unit description for 1013A_02 has been changed from “From Trimble St to confluence with White Oak Bayou” to “From RR Tracks north of IH 610 upstream to Yale Street” to reflect the area described in Appendix D of the 2000 Texas Water Quality Standards. Data from Station 16648 were erroneously applied to 1013A_02 in the draft. The Aquatic Life, Contact Recreation, and General Uses are Not Assessed.
4	1104	Dickinson Bayou Above Tidal	The assessment unit description for 1104_02 was changed from “From lower segment boundary upstream to FM 517” to “From FM 517 upstream to FM 528”.

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Type of Change	SegID	Water Body	Change(s)
1, 3	1113A	Armand Bayou Above Tidal (unclassified water body)	Review of the most recent seven years of data indicated a “Concern” for dissolved oxygen (average). A carryforward for depressed dissolved oxygen was added. This water body will remain on the 303(d) List for depressed dissolved oxygen. This impairment has been assigned to Category 5c. The impairment category for E. coli was changed from Category 5c to Category 5a.
1, 2, 3, 4	1206	Brazos River Below Possum Kingdom Lake	For assessment unit 1206_03 biological parameters (habitat, macrobenthic community, and fish community) are “Not Assessed” because the dataset was applied to this assessment unit in error. The dataset applies to assessment unit 1206_01. For assessment units 1206_01 and 1206_02 more recent biological data (habitat, macrobenthic community, and fish community) were included in the dataset. Added station 18743 to assessment unit 1206_01. The level of support for habitat changed from “Not Assessed” to a “Concern”. The level of support for the macrobenthic community changed from “Not Assessed” to “Not Supporting”. The level of support for the fish community changed from “Not Assessed” to “Fully Supporting”. This assessment unit will be added to the draft 303(d) List for impaired macrobenthic community which indicates similar non support in other assessment units. “Loss of riparian habitat” and “Impacts from hydrostructure flow regulation/modification” have been added as sources of biological concern and impairment. The impairment has been assigned to Category 5c. Added station 18745 to assessment unit 1206_02. The number of samples assessed for habitat, macrobenthic community, and fish community changed from 2 samples to 4 samples. The level of support for these parameters did not change.
1, 2, 3	1212	Somerville Lake	Ten 24-hour pH samples were previously omitted in error for assessment units 1212_01, 1212_03, and 1212_04. This water body will remain on the 303(d) list for pH. For assessment unit 1212_01 the number pH samples assessed changed from 55 samples to 65 samples. The level of support for high pH changed from a “Concern” to “Not Supporting”. The impairment has been assigned to Category 5c. For assessment unit 1212_03 the number pH samples assessed changed from 20 samples to 30 samples. The level of support for high pH changed from “Fully Supporting” to “Not Supporting”. The impairment has been assigned to Category 5c. For assessment unit 1212_03 the number pH samples assessed changed from 48 samples to 58 samples. The level of support for high pH did not change.
4	1227	Nolan River	“Municipal point source discharges” has been added as a source for all nutrient Concerns.
1	1231	Lake Graham	The level of support for total dissolved solids changed from “Fully Supporting” to a “Concern”.
1	1240	White River Lake	The level of support for sulfate changed from “Fully Supporting” to a “Concern”.
1	1241	Double Mountain Fork Brazos River	The level of support for total dissolved solids changed from “Fully Supporting” to a “Concern”.
4	1250	South Fork San Gabriel River	For assessment unit 1250_03 “streambank modification/destabilization” and “post-development erosion and sedimentation” have been added as sources for grab dissolved oxygen (average)”Concern”.

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Type of Change	SegID	Water Body	Change(s)
4	1302A	Gum Tree Branch (unclassified water body)	Typo. Changed dissolved oxygen screening level criteria from “5.03” to “5.0”.
1, 3	1304	Caney Creek Tidal	For assessment unit 1304_01 consecutive day 24-hr dissolved oxygen samples were included in error. The number of samples assessed for 24-hr dissolved oxygen (average/minimum) changed from 6 samples to 4 samples. The level of support for 24-hr dissolved oxygen (minimum) changed from “Not Supporting” to a “Concern”. The 5c Category for this impairment has been removed. This water body has been removed from the draft 2008 303(d) List for depressed dissolved oxygen.
3	1402H	Skull Creek (unclassified water body)	This water body has been removed from the Deferred Listings for Presumed Uses and placed on the 303(d) List depressed dissolved oxygen. The impairment has been assigned to Category 5b.
3	1411	E. V. Spence Reservoir	For assessment unit 1411_02, the impairment Category 4b was assigned to chloride assessment parameter in error. The parameter is “Fully Supporting” and the impairment category has been removed.
1	1810	Plum Creek	For assessment unit 1810_02 more recent data for ammonia and orthophosphorus was included in the assessment. The number of samples for ammonia and orthophosphorus changed from 19 samples to 26 samples. The level of support for ammonia changed from a “Concern” to “No Concern”. The level of support for orthophosphorus did not change.
3	1906	Lower Leon Creek	Review of the most recent data indicated a “Concern” for dissolved oxygen (average). A carryforward for depressed dissolved oxygen was added. This water body will remain on the 303(d) List for depressed dissolved oxygen. This impairment has been assigned to Category 5c.
1	1907	Upper Leon Creek	Dissolved oxygen data collected below 7Q2 were removed from the dataset. The number of samples assessed changed from 21 samples to 17 samples. The level of support for grab dissolved oxygen (average) changed from a “Concern” to “No Concern”.
1, 3	1910	Salado Creek	For assessment unit 1910_05 the “Not Supporting” carryforward for the fish community was assigned in error. The carryforward indicator and impairment category have been removed. This assessment unit will be removed from the 303(d) list for impaired fish community.
3	1911	Upper San Antonio River	For assessment units 1911_04 and 1911_05 the impairment category 5a was assigned in error. The impairment category has been removed. These assessment units support the assigned Contact Recreation Use. For assessment units 1911_02, 1911_03, 1911_08, 1911_09, 1911_10, and 1911_11 impairment Category 5a was changed to Category 4a.
4	2004A	Aransas Creek (unclassified water body)	Water body name changed from “West Aransas Creek” to “Aransas Creek”.
1	2104	Nueces River Above Frio River	For assessment unit 2104_03 the number of samples assessed for 24-hr dissolved oxygen (average/minimum) changed from 12 samples to 11 samples. The level of support for 24-hr dissolved oxygen (average) changed from “Not Supporting” to a “Fully Supporting”.
1	2117	Frio River Above Choke Canyon Reservoir	For assessment units 2117_01, 2117_02, 2117_03, and 2117_04 a carryforward and NS indicator was inadvertently assigned to grab dissolved oxygen (minimum). As indicated in the draft document 2008 Texas Water Bodies and Parameters Removed from the 303(d) List, the depressed dissolved oxygen impairment has been de-listed.

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4	2110	Lower Sabinal River	A carryforward indicator for nitrate, previously omitted in error, has been added for assessment unit 2110_01.																												
1, 2	2116	Choke Canyon Reservoir	Six 24-hour dissolved oxygen samples were previously omitted in error for assessment unit 2116_06. The number of samples assessed for 24-hr dissolved oxygen (average/minimum) changed from 4 samples to 10 samples. The level of support for 24-hr dissolved oxygen (average) changed from “No Concern” to “Not Supporting”. The level of support for 24-hr dissolved oxygen (min) changed from “No Concern” to “Concern”. This water body will remain on the 303(d) list for depressed dissolved oxygen in impairment Category 5c.																												
1	2201	Arroyo Colorado Tidal	For assessment unit 2201_05 a DSHS fish advisory and impairment category for PCBs in smallmouth buffalo and longnose gar (Category 5c), DDE in smallmouth buffalo and longnose gar (Category 4a), and mercury in longnose gar (Category 5c) has been added. The Fish Consumption Use is Not Supporting.																												
1, 3	2202	Arroyo Colorado Above Tidal	<p>The following DSHS fish advisory impairment parameters and impairment categories have been removed from all the assessment units for this water body:</p> <table border="0" data-bbox="835 727 1549 1068"> <tr> <td>endrin in smallmouth buffalo</td> <td>Category 4a</td> </tr> <tr> <td>toxaphene in smallmouth buffalo</td> <td>Category 4a</td> </tr> <tr> <td>lindane in smallmouth buffalo</td> <td>Category 4a</td> </tr> <tr> <td>hexachlorobenzene in smallmouth buffalo</td> <td>Category 4a</td> </tr> <tr> <td>heptachlor epoxide in smallmouth buffalo</td> <td>Category 4a</td> </tr> <tr> <td>dieldrin in smallmouth buffalo</td> <td>Category 4a</td> </tr> <tr> <td>DDT in smallmouth buffalo</td> <td>Category 4a</td> </tr> <tr> <td>DDD in smallmouth buffalo</td> <td>Category 4a</td> </tr> <tr> <td>DDE in fish tissue</td> <td>Category 4a</td> </tr> <tr> <td>chlordane in smallmouth buffalo</td> <td>Category 4a</td> </tr> <tr> <td>heptachlor in smallmouth buffalo</td> <td>Category 4a</td> </tr> </table> <p>The following DSHS fish advisory impairment parameters and impairment categories have been added to all the assessment units for this water body:</p> <table border="0" data-bbox="835 1154 1549 1247"> <tr> <td>PCBs in smallmouth buffalo and longnose gar</td> <td>Category 5c</td> </tr> <tr> <td>DDE in smallmouth buffalo and longnose gar</td> <td>Category 4a</td> </tr> <tr> <td>mercury in longnose gar</td> <td>Category 5c</td> </tr> </table>	endrin in smallmouth buffalo	Category 4a	toxaphene in smallmouth buffalo	Category 4a	lindane in smallmouth buffalo	Category 4a	hexachlorobenzene in smallmouth buffalo	Category 4a	heptachlor epoxide in smallmouth buffalo	Category 4a	dieldrin in smallmouth buffalo	Category 4a	DDT in smallmouth buffalo	Category 4a	DDD in smallmouth buffalo	Category 4a	DDE in fish tissue	Category 4a	chlordane in smallmouth buffalo	Category 4a	heptachlor in smallmouth buffalo	Category 4a	PCBs in smallmouth buffalo and longnose gar	Category 5c	DDE in smallmouth buffalo and longnose gar	Category 4a	mercury in longnose gar	Category 5c
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DDE in fish tissue	Category 4a																														
chlordane in smallmouth buffalo	Category 4a																														
heptachlor in smallmouth buffalo	Category 4a																														
PCBs in smallmouth buffalo and longnose gar	Category 5c																														
DDE in smallmouth buffalo and longnose gar	Category 4a																														
mercury in longnose gar	Category 5c																														
4	2453A	Garcitas Creek Tidal (unclassified water body)	An Aquatic Life Use of “intermediate” was inadvertently assigned to this water body. The ALU designation has been changed to “high”.																												
1, 3	2501	Gulf of Mexico	Assessment units 2501_01 and 2501_02 are “Fully Supporting” the Contact Recreation Use. This water body will be de-listed for bacteria.																												

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Type of Change	SegID	Water Body	Change(s)
3			The impairment category was changed from Category 5c to 5a for the following impaired parameters. These impairment category changes may be reflected in individual water body changes identified above.
	0302	Wright Patman Lake	pH
	0505	Sabine River Above Toledo Bend Reservoir	bacteria
	0610A	Ayish Bayou (unclassified water body)	bacteria
	0611	Angelina River Above Sam Rayburn Reservoir	bacteria
	0611A	East Fork Angelina River (unclassified water body)	bacteria
	0611B	La Nana Bayou (unclassified water body)	bacteria
	0612	Attoyac Bayou	bacteria
	0806D	Marine Creek (unclassified water body)	bacteria
	0806E	Sycamore Creek (unclassified water body)	bacteria
	0810	West Fork Trinity River Below Bridgeport Reservoir	bacteria
	0822	Elm Fork Trinity River Below Lewisville Lake	bacteria
	0841B	Bear Creek (unclassified water body)	bacteria
	0841C	Arbor Creek (unclassified water body)	bacteria
	0841D	Big Bear Creek (unclassified water body)	bacteria
	0841G	Dalworth Creek (unclassified water body)	bacteria
	0841H	Delaware Creek (unclassified water body)	bacteria
	0841J	Estelle Creek (unclassified water body)	bacteria
	0841M	Kee Branch (unclassified water body)	bacteria
	1103A	Bensons Bayou (unclassified water body)	bacteria
	1113A	Armand Bayou Above Tidal (unclassified water body)	bacteria
	1302	San Bernard River Above Tidal	bacteria
	1305	Caney Creek Above Tidal	bacteria
1401	Colorado River Tidal	bacteria	
1501	Tres Palacios Creek Tidal	bacteria	
1902	Lower Cibolo Creek	bacteria	
2202	Arroyo Colorado Above Tidal	bacteria	

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	2424A	Highland Bayou (unclassified water body)	bacteria
	2424C	Marchand Bayou (unclassified water body)	bacteria
	2441	East Matagorda Bay	bacteria (oyster water)
	2451	Matagorda Bay/Powderhorn Lake	bacteria (oyster water)
	2454	Cox Bay	bacteria (oyster water)
3			The impairment category was changed from Category 5c to 5b for the following impaired parameters. These impairment category changes may be reflected in individual water body changes identified above.
	0409	Little Cypress Bayou (Creek)	depressed dissolved oxygen
	0608C	Cypress Creek (unclassified water body)	depressed dissolved oxygen
	1008	Spring Creek	depressed dissolved oxygen
4	Various	Various	The segment or assessment unit sizes were updated for several water bodies to more accurately reflect the area described. These changes did not affect the assessment outcome for these water bodies.