

2010 Texas Surface Water Quality Standards,
from the Texas Administrative Code Chapter 307.

RIO GRANDE BASIN		USES				CRITERIA						
		Recreation	Aquatic Life	Domestic Water Supply	Other	Cl ⁻¹ (mg/L)	SO ₄ ⁻² (mg/L)	TDS (mg/L)	Dissolved Oxygen (mg/L)	pH Range (SU)	Indicator Bacteria ¹ #/100ml	Temperature (°F)
Segment No.	SEGMENT NAME											
2301	Rio Grande Tidal	PCR	E						5.0	6.5-9.0	35	95
2302	Rio Grande Below Falcon Reservoir	PCR	H	PS		270	350	880	5.0	6.5-9.0	126	90
2303	International Falcon Reservoir	PCR	H	PS		200	300	1,000	5.0	6.5-9.0	126	93
2304	Rio Grande Below Amistad Reservoir	PCR	H	PS		200	300	1,000	5.0	6.5-9.0	126	95
2305	International Amistad Reservoir	PCR	H	PS		150	270	800	5.0	6.5-9.0	126	88
2306	Rio Grande Above Amistad Reservoir	PCR	H	PS		300	570	1,550	5.0	6.5-9.0	126	93
2307	Rio Grande Below Riverside Diversion Dam	PCR	H	PS		300	550	1,500	5.0 ²	6.5-9.0	126	93
2308	Rio Grande Below International Dam	NCR	L			250	450	1,400	3.0	6.5-9.0	605	95
2309	Devils River ³	PCR	E	PS		50	50	300	6.0	6.5-9.0	126	90
2310	Lower Pecos River	PCR	H	PS		1,700	1,000	4,000	5.0	6.5-9.0	126	92
2311	Upper Pecos River	PCR	H			7,000	3,500	15,000	5.0	6.5-9.0	33	92
2312	Red Bluff Reservoir	PCR	H			3,200	2,200	9,400	5.0	6.5-9.0	33	90
2313	San Felipe Creek ³	PCR	H	PS		50	50	400	5.0	6.5-9.0	126	90
2314	Rio Grande Above International Dam	PCR	H	PS		340	600	1,800	5.0	6.5-9.0	126	92

¹ The indicator bacteria for freshwater is *E. coli* and Enterococci for saltwater. The indicator bacteria and alternate indicator for Segments 2311 and 2312 are Enterococci and fecal coliform, respectively.

² The dissolved oxygen criterion in the upper reach of Segment 2307 (Riverside Diversion Dam to the end of the rectified channel below Fort Quitman) is 3.0 mg/L when headwater flow over the Riverside Diversion Dam is less than 35 ft³/s.

³ The critical low-flow for Segments 2309 and 2313 is calculated according to §307.8(a)(2)(A) of this title.

DRAFT 2010 Texas 303(d) List (February 5, 2010)

As required under Sections 303(d) and 304(a) of the federal Clean Water Act, this list identifies the water bodies in or bordering Texas for which effluent limitations are not stringent enough to implement water quality standards, and for which the associated pollutants are suitable for measurement by maximum daily load.

In addition, the TCEQ also develops a schedule identifying Total Maximum Daily Loads (TMDLs) that will be initiated in the next two years for priority impaired waters. Issuance of permits to discharge into 303(d)-listed water bodies is described in the TCEQ regulatory guidance document *Procedures to Implement the Texas Surface Water Quality Standards* (January 2003, RG-194).

Impairments are limited to the geographic area described by the Assessment Unit and identified with a six or seven-digit AU_ID. A TMDL for each impaired parameter will be developed to allocate pollutant loads from contributing sources that affect the parameter of concern in each Assessment Unit. The TMDL will be identified and counted using a six or seven-digit AU_ID. Water Quality permits that are issued before a TMDL is approved will not increase pollutant loading that would contribute to the impairment identified for the Assessment Unit.

The Draft 2010 Texas 303(d) List was developed using the EPA approved Texas Surface Water Quality Standards (TSWQS) which are under revision. The current TSWQS proposal includes specific revisions to the E. coli criterion associated with the freshwater recreational uses. To accommodate the concurrent processes for the revisions and the development of the 303(d) List, the TCEQ is not listing new recreational use impairments where the E. coli geometric mean falls between 126 cfu/100 mL and 206 cfu/100 mL. The TCEQ is also not including impairments based on the single sample grab criterion.

Information Provided

- SegID and Name: The unique identifier (SegID), segment name, and location of the water body. The SegID may be one of two types of numbers. The first type is a classified segment number (4 digits, e.g., 0218), as defined in Appendix A of the Texas Surface Water Quality Standards (TSWQS). The second type (five digits, e.g., 0218A) is a partially classified water body described in Appendix D of the TSWQS, or an unclassified water body, not defined in the TSWQS, though associated with a classified water body because it is in the same watershed. The segment name and description immediately follow SegID.
- Area: Identifies the assessment unit (AU_ID, six or seven digits, e.g., 0101A_01) and describes the location of the specific area in which one or more water quality standards are not met.
- Parameter(s): Pollutants or water quality conditions that assessment procedures indicate do not meet assigned water quality standards.
- Category: One of three subcategories was assigned to each impaired parameter to provide information about water quality status and management activities on that water body. The categories are defined below:
Category 5: The water body does not meet applicable water quality standards or is threatened for one or more designated uses by one or more pollutants.
Category 5a - A TMDL is underway, scheduled, or will be scheduled.
Category 5b - A review of the water quality standards for this water body will be conducted before a TMDL is scheduled.
Category 5c - Additional data and information will be collected before a TMDL is scheduled.
- Year First Listed: The assessment year the pollutant or water quality condition in this water body initially did not meet water quality standards.

SegID: 2306

Rio Grande Above Amistad Reservoir

From a point 1.8 km (1.1 miles) downstream of the confluence of Ramsey Canyon in Val Verde County to the confluence of the Rio Conchos (Mexico) in Presidio County

bacteria		<u>Category</u>	<u>Year First Listed</u>
2306_08	From Alamito Creek confluence upstream to the Rio Conchos confluence	5c	1999

chloride		<u>Category</u>	<u>Year First Listed</u>
2306_01	From the lower segment boundary at Ramsey Canyon upstream to Dryden Crossing	5c	2010
2306_02	From Dryden Crossing upstream to FM 2627	5c	2010
2306_03	From FM 2627 upstream to Boquillas Canyon	5c	2010
2306_04	From Boquillas Canyon upstream to Mariscal Canyon	5c	2010
2306_05	From Mariscal Canyon to a point upstream of the IBWC gage at Johnson Ranch	5c	2010
2306_06	From a point upstream of the IBWC gage at Johnson Ranch to the mouth of Santa Elena Canyon at the Terlingua Creek confluence	5c	2010
2306_07	From the mouth of Santa Elena Canyon at the Terlingua Creek confluence upstream to the Alamito Creek confluence	5c	2010
2306_08	From Alamito Creek confluence upstream to the Rio Conchos confluence	5c	2010

sulfate		<u>Category</u>	<u>Year First Listed</u>
2306_01	From the lower segment boundary at Ramsey Canyon upstream to Dryden Crossing	5c	2010
2306_02	From Dryden Crossing upstream to FM 2627	5c	2010
2306_03	From FM 2627 upstream to Boquillas Canyon	5c	2010
2306_04	From Boquillas Canyon upstream to Mariscal Canyon	5c	2010
2306_05	From Mariscal Canyon to a point upstream of the IBWC gage at Johnson Ranch	5c	2010
2306_06	From a point upstream of the IBWC gage at Johnson Ranch to the mouth of Santa Elena Canyon at the Terlingua Creek confluence	5c	2010
2306_07	From the mouth of Santa Elena Canyon at the Terlingua Creek confluence upstream to the Alamito Creek confluence	5c	2010
2306_08	From Alamito Creek confluence upstream to the Rio Conchos confluence	5c	2010

total dissolved solids		<u>Category</u>	<u>Year First Listed</u>
2306_01	From the lower segment boundary at Ramsey Canyon upstream to Dryden Crossing	5c	2010
2306_02	From Dryden Crossing upstream to FM 2627	5c	2010
2306_03	From FM 2627 upstream to Boquillas Canyon	5c	2010
2306_04	From Boquillas Canyon upstream to Mariscal Canyon	5c	2010
2306_05	From Mariscal Canyon to a point upstream of the IBWC gage at Johnson Ranch	5c	2010
2306_06	From a point upstream of the IBWC gage at Johnson Ranch to the mouth of Santa Elena Canyon at the Terlingua Creek confluence	5c	2010
2306_07	From the mouth of Santa Elena Canyon at the Terlingua Creek confluence upstream to the Alamito Creek confluence	5c	2010
2306_08	From Alamito Creek confluence upstream to the Rio Conchos confluence	5c	2010

SegID: 2307 Rio Grande Below Riverside Diversion Dam
 From the confluence of the Rio Conchos (Mexico) in Presidio County to Riverside Diversion Dam in El Paso County

bacteria		<u>Category</u>	<u>Year First Listed</u>
2307_03	From Little Box Canyon upstream to the Alamo Grade Structure	5c	2002
2307_04	From the Alamo Grade Structure upstream to the Guadalupe Bridge	5c	2002
2307_05	From the Guadalupe Bridge to downstream of the Riverside Diversion Dam	5c	2002

chloride		<u>Category</u>	<u>Year First Listed</u>
2307_01	From immediately upstream of the Rio Conchos confluence to a point 40.2 km (25 mi) upstream	5c	1996
2307_03	From Little Box Canyon upstream to the Alamo Grade Structure	5c	1996
2307_04	From the Alamo Grade Structure upstream to the Guadalupe Bridge	5c	1996
2307_05	From the Guadalupe Bridge to downstream of the Riverside Diversion Dam	5c	1996

total dissolved solids		<u>Category</u>	<u>Year First Listed</u>
2307_01	From immediately upstream of the Rio Conchos confluence to a point 40.2 km (25 mi) upstream	5c	1996
2307_03	From Little Box Canyon upstream to the Alamo Grade Structure	5c	1996
2307_04	From the Alamo Grade Structure upstream to the Guadalupe Bridge	5c	1996
2307_05	From the Guadalupe Bridge to downstream of the Riverside Diversion Dam	5c	1996

SegID: 2311 Upper Pecos River
 From a point immediately upstream of the confluence of Independence Creek in Crockett/Terrell County to Red Bluff Dam in Loving/Reeves County

depressed dissolved oxygen		<u>Category</u>	<u>Year First Listed</u>
2311_03	From US Hwy 67 upstream to FM 1776	5c	2006
2311_04	From FM 1776 upstream to US Hwy 80 (Bus 20)	5c	2006

SegID: 2314 Rio Grande Above International Dam
 From International Dam in El Paso County to the New Mexico State Line in El Paso County

bacteria		<u>Category</u>	<u>Year First Listed</u>
2314_01	From the International Dam upstream to the Anthony Drain confluence	5c	2002

**DRAFT 2010 Texas Water Quality Inventory
Water Bodies with Concerns for Use Attainment and Screening Levels (February 5, 2010)**

Explanation of Column Headings

- SegID and Name:** May be one of three types of numbers for SegID. The first type is a classified segment number (4 digits, e.g. 0218), as defined in the Texas Surface Water Quality Standards. The second type is an unclassified water body (e.g. 0218A), not defined in the Standards, associated with a classified water body because it is in the same watershed. The third type are special Segments for Oyster Water Use (e.g. 2421OW) and Beach Watch Use (e.g. 2481CB) special areas.
- Area:** AU_ID (e.g. 0101A_01) and description of the specific area in which one or more water quality standards are not met.
- Parameter(s):** These are pollutants or water quality conditions that assessment procedures indicate are the reason the water quality standards are not met.
- Level of Concern:** **CN** - Concern for near-nonattainment of the Water Quality Standards
CS - Concern for water quality based on screening levels
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DRAFT 2010 Texas Water Quality Inventory
 Water Bodies with Concerns for Use Attainment and Screening Levels

<u>SEG_ID</u>	2305 International Amistad Reservoir	
<u>AU_ID</u>	<u>Area</u>	<u>Level of Concern</u>
2305_01	Rio Grande Arm nitrate	CS
2305_02	Devils River arm nitrate	CS

<u>SEG_ID</u>	2306 Rio Grande Above Amistad Reservoir	
<u>AU_ID</u>	<u>Area</u>	<u>Level of Concern</u>
2306_01	From the lower segment boundary at Ramsey Canyon upstream to Dryden Crossing total phosphorus	CS
2306_03	From FM 2627 upstream to Boquillas Canyon chlorophyll-a	CS
2306_04	From Boquillas Canyon upstream to Mariscal Canyon chlorophyll-a fish kill report	CS CN
2306_05	From Mariscal Canyon to a point upstream of the IBWC gage at Johnson Ranch fish kill report	CN
2306_06	From a point upstream of the IBWC gage at Johnson Ranch to the mouth of Santa Elena Canyon at the Terlingua Creek confluence chlorophyll-a fish kill report	CS CN
2306_07	From the mouth of Santa Elena Canyon at the Terlingua Creek confluence upstream to the Alamito Creek confluence fish kill report	CN
2306_08	From Alamito Creek confluence upstream to the Rio Conchos confluence chlorophyll-a	CS

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<u>SEG ID</u>	Rio Grande Below Riverside Diversion Dam	
<u>AU ID</u>	<u>Area</u>	<u>Level of Concern</u>
2307_01	From immediately upstream of the Rio Conchos confluence to a point 40.2 km (25 mi) upstream chlorophyll-a	CS
2307_03	From Little Box Canyon upstream to the Alamo Grade Structure chlorophyll-a ammonia bacteria orthophosphorus total phosphorus	CS CS CN CS CS
2307_04	From the Alamo Grade Structure upstream to the Guadalupe Bridge total phosphorus chlorophyll-a orthophosphorus ammonia nitrate depressed dissolved oxygen	CS CS CS CS CS CS
2307_05	From the Guadalupe Bridge to downstream of the Riverside Diversion Dam orthophosphorus nitrate chlorophyll-a ammonia total phosphorus	CS CS CS CS CS

<u>SEG ID</u>	Rio Grande Below International Dam	
<u>AU ID</u>	<u>Area</u>	<u>Level of Concern</u>
2308_01	From the Riverside Diversion Dam to the International Dam in El Paso County nitrate total phosphorus ammonia chlorophyll-a	CS CS CS CS

<u>SEG_ID</u>	2310	Lower Pecos River	
<u>AU_ID</u>		<u>Area</u>	<u>Level of Concern</u>
2310_01		From the Devils River Arm of Amistad Reservoir confluence upstream to FM 2083 near Pan Dale harmful algal bloom/golden alga	CN
2310_02		From FM 2083 near Pan Dale upstream to just upstream of the Independence Creek confluence harmful algal bloom/golden alga	CN

<u>SEG_ID</u>	2311	Upper Pecos River	
<u>AU_ID</u>		<u>Area</u>	<u>Level of Concern</u>
2311_01		From just upstream of the Independence Creek confluence upstream to US Hwy 290 harmful algal bloom/golden alga	CN
2311_02		From US Hwy 290 upstream to US Hwy 67 chlorophyll-a harmful algal bloom/golden alga	CS CN
2311_03		From US Hwy 67 upstream to FM 1776 depressed dissolved oxygen chlorophyll-a harmful algal bloom/golden alga	CS CS CN
2311_04		From FM 1776 upstream to US Hwy 80 (Bus 20) chlorophyll-a harmful algal bloom/golden alga	CS CN
2311_05		From US Hwy 80 (Bus 20) upstream to the Barstow Dam harmful algal bloom/golden alga bacteria	CN CN
2311_06		From the Barstow Dam upstream to State Hwy 302 harmful algal bloom/golden alga	CN
2311_07		From State Hwy 302 upstream to FM 652 harmful algal bloom/golden alga	CN
2311_08		From FM 652 upstream to the Red Bluff Dam harmful algal bloom/golden alga depressed dissolved oxygen chlorophyll-a	CN CS CS

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<u>SEG ID</u>	Red Bluff Reservoir	
<u>AU ID</u>	<u>Area</u>	<u>Level of Concern</u>
2312_01	<i>From the Red Bluff Dam to mid-lake</i> chlorophyll-a	CS
	1,2-Dibromoethane in water	CN
	harmful algal bloom/golden alga	CN
2312_02	<i>From mid-lake to the Texas/New Mexico state line</i> nitrate	CS
	harmful algal bloom/golden alga	CN
	chlorophyll-a	CS

<u>SEG ID</u>	Rio Grande Above International Dam	
<u>AU ID</u>	<u>Area</u>	<u>Level of Concern</u>
2314_01	<i>From the International Dam upstream to the Anthony Drain confluence</i> chlorophyll-a	CS
2314_02	<i>From the Anthony Drain confluence upstream to the New Mexico/Texas state line</i> chlorophyll-a	CS

<u>SEG ID</u>	Sabine Lake	
<u>AU ID</u>	<u>Area</u>	<u>Level of Concern</u>
2412_01	<i>Entire segment</i> iron in sediment	CS