

Presented below are water quality standards that are in effect for Clean Water Act purposes.

EPA is posting these standards as a convenience to users and has made a reasonable effort to assure their accuracy. Additionally, EPA has made a reasonable effort to identify parts of the standards that are not approved, disapproved, or are otherwise not in effect for Clean Water Act purposes.

2000 and 2010 Texas Surface Water Quality Standards

(updated July 2, 2013)

EPA has completed review of all new and revised provisions of the 2010 *Texas Surface Water Quality Standards*, except for the following items in Appendix A - Site-specific Uses and Criteria for Classified Segments:

- revised temperature criteria (and associated footnotes) for segment 1811 – Comal River and segment 1814 – San Marcos River; new temperature criterion for segment 0410 – Black Cypress Bayou
- new or revised minerals criteria (and associated footnotes) for the following segments: 0307, 0410, 0507, 0803, 0812, 0821, 1206, 1227, 1238, 1240, 1241, 1411, 1412, 1413, 1421, 1426, 1433, 2106, and 2116.

The complete summary of EPA’s previous actions on the 2000 *Texas Surface Water Quality Standards* is shown below and has not been altered since November 2009. The pages following the 2009 summary have been reduced from the complete version of the 2000 standards to only include pages with criteria (and associated footnotes) that are effective for Clean Water Act purposes because EPA disapproved the corresponding provision in the 2010 standards or those items are currently under EPA review (page 1 included only for reference). For a complete copy of the 2000 *Texas Surface Water Quality Standards*, please see the Texas Commission on Environmental Quality’s website at:

<http://www.tceq.texas.gov/waterquality/standards>

Revisions to §307 - Texas Surface Water Quality Standards

(updated November 12, 2009)

EPA has not approved the revised definition of “surface water in the state” in the TX WQS, which includes an area out 10.36 miles into the Gulf of Mexico. Under the CWA, Texas does not have jurisdiction to regulate water standards more than three miles from the coast. Therefore, EPA’s approval of the items in the enclosure recognizes the state’s authority under the CWA out to three miles in the Gulf of Mexico, but does not extend past that point. Beyond three miles, EPA retains authority for CWA purposes EPA’s approval also does not include the application the TX WQS for the portions of the Red River and Lake Texoma that are located within the state of Oklahoma. Finally, EPA is not approving the TX WQS for those waters or portions of waters located in Indian Country, as defined in 18 U.S.C. 1151.

The following sections have been approved by EPA and are therefore effective for CWA purposes:

- §307.1. General Policy Statement
- §307.2. Description of Standards
- §307.3. Definitions and Abbreviations (see item under “no action” section below)
- §307.4. General Criteria
- §307.5. Antidegradation
- §307.6. Toxic Materials. (see item under “no action” section below)
- §307.7. Site-specific Uses and Criteria (see item under “no action” section below)
- §307.8. Application of Standards
- §307.9. Determination of Standards Attainment
- Appendix C - Segment Descriptions
- Appendix D - Site-specific Receiving Water Assessments

The following sections have been partially approved by EPA:

- Appendix A. Site-specific Uses and Criteria for Classified Segments
 - See items under “disapproved” and “no action” sections below.
 - Uses and criteria for all other segments have been approved.
- Appendix E. Site-specific Criteria:
 - See items under “disapproved” section below.
 - Criteria for all other segments have been approved.

EPA has disapproved the following provisions:

- Appendix A. Site-specific Uses and Criteria for Classified Segments
 - Segment 0615 - Angelina River/Sam Rayburn Reservoir: the intermediate aquatic life use and dissolved oxygen criterion of 4.0 mg/l have been disapproved by EPA. For CWA purposes, a high aquatic life use and dissolved oxygen criterion of 5.0 mg/l are effective. All other uses and criteria for segment 0615 are approved.
 - Segment 1811 – Comal River: the revised temperature criterion has been disapproved by EPA. For CWA purposes, a temperature criterion of 90 °F is effective.
- Appendix E. Site-specific Criteria.
 - Selenium criteria for Dixon Creek (segment 0101), Linnville Bayou (segment 1304), and Heldenfels ditch (segment 2484) are disapproved. For CWA purposes, statewide criteria from Table 1 of the 2000 TX WQS are effective.
 - Zinc criteria for Kinney Bayou tidal and Jewel Fulton Canal tidal (segment 2481) are disapproved. Criteria based on a water effects ratio of 1.14 are approved in accordance with the water effects ratio provision in §307.6(c)(9). Please see link to “Water-Effects Ratios and Site-specific Criteria in the Texas Surface Water Quality Standards” on EPA’s repository for the approved zinc criteria.

EPA has decided to take “no action” on the following provisions:

- §307.3(a)(57). EPA takes no action on the revised definition of “surface water in the state” which includes an area out 10.36 miles into the Gulf of Mexico. Under the CWA, Texas does not have jurisdiction to regulate water standards more than three miles from the coast. Therefore, EPA’s

approval of the items in the enclosure recognizes the state's authority under the CWA out to three miles in the Gulf of Mexico, but does not extend past that point. Beyond three miles, EPA retains authority for CWA purposes.

- §307.6(c)(8) - Table 2. Total Hardness and pH Values Used for Determining Select In-stream Toxic Criteria. EPA considers Table 2 to be an implementation provision.
- §307(b)(1)(C). EPA takes no action on language in this provision that allows continued use of fecal coliform bacteria for effluent limits in wastewater discharge permits. EPA considers this to be an NPDES implementation provision.
- Appendix A - Site-specific Uses and Criteria for Classified Segments. EPA takes no action the public water supply use for segment 2308 - Rio Grande below International Dam. This use was included in the proposed 2000 TX WQS, but withdrawn in the preamble to the adopted TX WQS based on updated information.
- Appendix B - Low Flow Criteria. EPA considers Appendix B to be an implementation provision.

CHAPTER 307 : TEXAS SURFACE WATER QUALITY STANDARDS

§§307.1-307.10

Effective August 17, 2000

§307.1. General Policy Statement.

It is the policy of this state and the purpose of this chapter to maintain the quality of water in the state consistent with public health and enjoyment, propagation and protection of terrestrial and aquatic life, operation of existing industries, and economic development of the state; to encourage and promote development and use of regional and area-wide wastewater collection, treatment, and disposal systems to serve the wastewater disposal needs of the citizens of the state; and to require the use of all reasonable methods to implement this policy.

§307.2. Description of Standards .

(a) Contents of the Texas Surface Water Quality Standards.

(1) Section 307.1 of this title (relating to General Policy Statement) contains the general standards policy of the commission.

(2) This section lists the major sections of the standards, defines basin classification categories, describes justifications for standards modifications, and provides the effective dates of the rules.

(3) Section 307.3 of this title (relating to Definitions and Abbreviations) defines terms and abbreviations used in the standards.

(4) Section 307.4 of this title (relating to General Criteria) lists the general criteria, which are applicable to all surface waters of the state unless specifically excepted in §307.8 of this title (relating to Application of Standards) or §307.9 of this title (relating to Determination of Standards Attainment).

(5) Section 307.5 of this title (relating to Antidegradation) describes the antidegradation policy and implementation procedures.

(6) Section 307.6 of this title (relating to Toxic Materials) establishes criteria and control procedures for specific toxic substances and total toxicity.

(7) Section 307.7 of this title (relating to Site-specific Uses and Criteria) defines appropriate water uses and supporting criteria for site-specific standards.

(8) Section 307.8 of this title (relating to Application of Standards) sets forth conditions under which portions of the standards do not apply--such as in mixing zones or below critical low-flows.

- (C) synergistic, additive, or antagonistic interactions of toxic substances with other toxic or nontoxic materials;
 - (D) measurements of total effluent toxicity;
 - (E) indigenous aquatic organisms, which may have different responses to particular toxic materials;
 - (F) technological or economic limits of treatability for specific toxic materials;
 - (G) bioavailability of specific toxic substances of concern, as determined by water-effect ratio tests or other analyses approved by the agency; and
 - (H) new information concerning the toxicity of a particular substance.
- (d) Specific numerical human health criteria.

(1) Numerical human health criteria are established in Table 3.

TABLE 3
 Criteria in Water for Specific Toxic Materials
 HUMAN HEALTH PROTECTION
 (All values are listed or calculated in micrograms per liter)

COMPOUND	CASRN	A	B	C
		Water and Fish µg/L	FW Fish Only µg/L	SW Fish Only µg/L
Acrylonitrile	107-13-1	1.28	10.9	7.3
Aldrin	309-00-2	0.00408	0.00426	0.0028
Arsenic (d)	7440-38-2	50*	---	---
Barium (d)	7440-39-3	2,000*	---	---
Benzene	71-43-2	5*	106	70.8
Benzidine †	92-87-5	0.00106	0.00347	0.00232
Benzo(a)anthracene	56-55-3	0.099	0.810	0.540
Benzo(a)pyrene	50-32-8	0.099	0.810	0.540
Bis(chloromethyl)ether	542-88-1	0.00462	0.0193	0.0129

COMPOUND	CASRN	A	B	C
		Water and Fish µg/L	FW Fish Only µg/L	SW Fish Only µg/L
Congener/Isomer	Toxic Equivalency Factors			
2,3,7,8 TCDD	1			
1,2,3,7,8, PeCDD	0.5			
2,3,7,8,HxCDD's	0.1			
2,3,7,8 TCDF	0.1			
1,2,3,7,8 PeCDF	0.05			
2,3,4,7,8 PeCDF	0.5			
2,3,7,8 HxCDF's	0.1			
Endrin	72-20-8	1.27	1.34	0.893
Fluoride	7782-41-4	4,000*	---	---
Heptachlor†	76-44-8	0.00260	0.00265	0.00177
Heptachlor Epoxide	1024-57-3	0.159	1.1	0.723
Hexachlorobenzene	118-74-1	0.0194	0.0198	0.0132
Hexachlorobutadiene	87-68-3	2.99	3.6	2.4
Hexachlorocyclohexane (alpha)	319-84-6	0.163	0.413	0.275
Hexachlorocyclohexane (beta)	319-85-7	0.570	1.45	0.964
Hexachlorocyclohexane (gamma) (Lindane)	58-89-9	0.2*	2.00	1.34
Hexachloroethane	67-72-1	84.2	278	185
Hexachlorophene	70-30-4	0.0531	0.053	0.036
Lead (d)	7439-92-1	4.98	25.3	16.9
Mercury ‡	7439-97-6	0.0122	0.0122	0.0250
Methoxychlor	72-43-5	2.21	2.22	1.48
Methyl Ethyl Ketone	78-93-3	52,917	9.94E06	6.63E06

COMPOUND	CASRN	A	B	C
		Water and Fish µg/L	FW Fish Only µg/L	SW Fish Only µg/L
Vinyl Chloride	75-01-4	2*	415	277

- * Based on Maximum Contaminant Levels (MCL's) specified in 30 TAC §290 (relating to Water Hygiene).
- † Calculations based on measured bioconcentration factors with no lipid correction factors (7.6 and 3.0) applied.
- ‡ Calculations based on USFDA action levels (1 mg/kg) in fish tissue. Saltwater BCF = 40,000 and freshwater BCF = 81,700.
- § Consists of *m*, *o*, and *p* Cresols. The standards are the same for all three. CASRNs for cresols are 95-48-7 for *o*-Cresol, 108-39-4 for *m*-Cresol, and 106-44-5 for *p*-Cresol.
- # Compliance will be determined using the analytical method for cyanide amenable to chlorination or weak-acid dissociable cyanide.
- (d) Indicates the criteria is for the dissolved fraction in water. All other criteria are for total recoverable concentrations.

(2) Categories of human health criteria:

(A) concentration criteria in freshwaters to prevent contamination of drinking water, fish and other aquatic life to ensure that they are safe for human consumption. These criteria apply to freshwaters which are designated or used for public drinking water supplies. (Column A in Table 3);

(B) concentration criteria in freshwaters to prevent contamination of fish and other aquatic life to ensure that they are safe for human consumption. These criteria apply to freshwater which have sustainable fisheries, and which are not designated or used for public water supply (Column B in Table 3);

(C) concentration criteria in saltwaters to prevent contamination of fish and other aquatic life to ensure that they are safe for human consumption. These criteria apply to saltwaters which have a sustainable fishery (Column C in Table 3).

(3) Specific assumptions and procedures (except where noted in Table 3).

SULPHUR RIVER 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 (EF)
Segment No.	SEGMENT NAME											
0301	Sulphur River Below Wright Patman Lake	CR	H			120	100	500	5.0	6.0-8.5	126/200	90
0302	Wright Patman Lake	CR	H	PS		75	75	400	5.0	6.0-8.5	126/200	90
0303	Sulphur/South Sulphur River	CR	H			80	180	600	5.0	6.0-8.5	126/200	93
0304	Days Creek	CR	I			525	75	850	4.0	6.0-8.5	126/200	90
0305	North Sulphur River	CR	H			190	475	1,320	5.0	6.0-8.5	126/200	93
0306	Upper South Sulphur River	CR	I			80	180	600	4.0	6.5-8.0	126/200	93
0307	Cooper Lake	CR	H	PS		--- ²	--- ²	--- ²	5.0	6.0-8.5	126/200	93

¹ The indicator bacteria for freshwater is E. coli. Fecal coliform is an alternate indicator.

² Dissolved mineral criteria have not been derived for Segment 0307 - Cooper Lake since it is a new reservoir. In the interim, drinking water criteria apply.

SABINE RIVER 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 (EF)
Segment No.	SEGMENT NAME											
0501	Sabine River Tidal	CR	H						4.0	6.0-8.5	35/200	95
0502	Sabine River Above Tidal	CR	H	PS		50	50	200	5.0	6.0-8.5	126/200	91
0503	Sabine River Above Caney Creek	CR	H	PS		50	50	200	5.0	6.0-8.5	126/200	91
0504	Toledo Bend Reservoir	CR	H	PS		70	50	240	5.0	6.0-8.5	126/200	93
0505	Sabine River Above Toledo Bend Reservoir	CR	H	PS		175	100	400	5.0	6.0-8.5	126/200	93
0506	Sabine River Below Lake Tawakoni	CR	H	PS		200	100	500	5.0	6.0-8.5	126/200	90
0507	Lake Tawakoni	CR	H	PS		50	50	200	5.0	6.0-9.0	126/200	93
0508	Adams Bayou Tidal	CR	H						4.0	6.0-8.5	126/200	95
0509	Murvaul Lake	CR	H	PS		150	75	500	5.0	6.5-9.0	126/200	92
0510	Lake Cherokee	CR	H	PS		75	50	250	5.0	6.0-8.5	126/200	95
0511	Cow Bayou Tidal	CR	H						4.0	6.0-8.5	126/200	95
0512	Lake Fork Reservoir	CR	H	PS		50	50	200	5.0	6.5-9.0	126/200	95
0513	Big Cow Creek	CR	H	PS		75	50	300	5.0	5.5-8.5	126/200	90
0514	Big Sandy Creek	CR	H	PS		75	50	300	5.0	6.0-8.5	126/200	90
0515	Lake Fork Creek	CR	H	PS		100	75	400	5.0	6.0-8.5	126/200	90

¹ The indicator bacteria for freshwater is *E. coli* and Enterococci for saltwater. Fecal coliform is an alternative indicator.

TRINITY RIVER 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 (EF)
Segment No.	SEGMENT NAME											
0801	Trinity River Tidal	CR	H						4.0	6.5-9.0	35/200	95
0802	Trinity River Below Lake Livingston	CR	H	PS		125	100	600	5.0	6.5-9.0	126/200	93
0803	Lake Livingston	CR	H	PS		150	50	500	5.0	6.5-9.0	126/200	93
0804	Trinity River Above Lake Livingston	CR	H			150	150	600	5.0	6.5-9.0	126/200	93
0805	Upper Trinity River	CR	H			175	175	850	5.0 ²	6.5-9.0	126/200	95
0806	West Fork Trinity River Below Lake Worth	CR	H	PS		100	100	500	5.0	6.5-9.0	126/200	93
0807	Lake Worth	CR	H	PS		100	100	500	5.0	6.5-9.0	126/200	91
0808	West Fork Trinity River Below Eagle Mountain Reservoir	CR	H	PS		100	100	500	5.0	6.5-9.0	126/200	91
0809	Eagle Mountain Reservoir	CR	H	PS		75	75	300	5.0	6.5-9.0	126/200	94
0810	West Fork Trinity River Below Bridgeport Reservoir	CR	H	PS		100	100	500	5.0	6.5-9.0	126/200	90
0811	Bridgeport Reservoir	CR	H	PS		75	75	300	5.0	6.5-9.0	126/200	90
0812	West Fork Trinity River Above Bridgeport Reservoir	CR	H	PS		100	100	500	5.0	6.5-9.0	126/200	88
0813	Houston County Lake	CR	H	PS		75	75	300	5.0	6.5-9.0	126/200	93
0814	Chambers Creek Above Richland-Chambers Reservoir	CR	H	PS		90	160	500	5.0	6.5-9.0	126/200	90
0815	Bardwell Reservoir	CR	H	PS		50	50	300	5.0	6.5-9.0	126/200	91
0816	Lake Waxahachie	CR	H	PS		50	50	300	5.0	6.5-9.0	126/200	91
0817	Navarro Mills Lake	CR	H	PS		50	75	300	5.0	6.5-9.0	126/200	90
0818	Cedar Creek Reservoir	CR	H	PS		50	100	200	5.0	6.0-8.5	126/200	93
0819	East Fork Trinity River	CR	I			100	100	500	4.0	6.5-9.0	126/200	91
0820	Lake Ray Hubbard	CR	H	PS		100	100	500	5.0	6.5-9.0	126/200	93
0821	Lavon Lake	CR	H	PS		80	60	400	5.0	6.5-9.0	126/200	93
0822	Elm Fork Trinity River Below Lewisville Lake	CR	H	PS		80	60	500	5.0	6.5-9.0	126/200	90
0823	Lewisville Lake	CR	H	PS		80	60	500	5.0	6.5-9.0	126/200	90

BRAZOS RIVER 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 (EF)
Segment No.	SEGMENT NAME											
1201	Brazos River Tidal	CR	H	PS ²				4.0	6.5-9.0	35/200	95	
1202	Brazos River Below Navasota River	CR	H	PS		300	200	750	5.0	6.5-9.0	126/200	95
1203	Whitney Lake	CR	H	PS		670	320	1,500	5.0	6.5-9.0	126/200	93
1204	Brazos River Below Lake Granbury	CR	H			750	380	1,600	5.0	6.5-9.0	126/200	91
1205	Lake Granbury	CR	H	PS		1,000	600	2,500	5.0	6.5-9.0	126/200	93
1206	Brazos River Below Possum Kingdom Lake	CR	H			1,020	500	2,300	5.0	6.5-9.0	126/200	90
1207	Possum Kingdom Lake	CR	H	PS		1,200	500	3,500	5.0	6.5-9.0	126/200	93
1208	Brazos River Above Possum Kingdom Lake	CR	H			5,000	2,000	12,000	5.0	6.5-9.0	126/200	95
1209	Navasota River Below Lake Limestone	CR	H	PS		140	100	600	5.0	6.5-9.0	126/200	93
1210	Lake Mexia	CR	H	PS		100	50	400	5.0	6.5-9.0	126/200	90
1211	Yegua Creek	CR	H	PS		140	130	640	5.0	6.5-9.0	126/200	91
1212	Somerville Lake	CR	H	PS		100	100	400	5.0	6.5-9.0	126/200	93
1213	Little River	CR	H	PS		75	75	400	5.0	6.5-9.0	126/200	90
1214	San Gabriel River	CR	H	PS		50	45	500	5.0	6.5-9.0	126/200	91
1215	Lampasas River Below Stillhouse Hollow Lake	CR	H	PS		100	75	500	5.0	6.5-9.0	126/200	91
1216	Stillhouse Hollow Lake	CR	E	PS		100	75	500	6.0	6.5-9.0	126/200	93
1217	Lampasas River Above Stillhouse Hollow Lake	CR	H			500	100	1,200	5.0	6.5-9.0	126/200	91
1218	Nolan Creek/South Nolan Creek	CR	H			100	75	500	5.0	6.5-9.0	126/200	93
1219	Leon River Below Belton Lake	CR	H	PS		150	75	500	5.0	6.5-9.0	126/200	91
1220	Belton Lake	CR	H	PS		100	75	500	5.0	6.5-9.0	126/200	93
1221	Leon River Below Proctor Lake	CR	H	PS		150	100	900	5.0	6.5-9.0	126/200	90
1222	Proctor Lake	CR	H	PS		200	75	500	5.0	6.5-9.0	126/200	93
1223	Leon River Below Leon Reservoir	CR	H	PS		480	130	1,240	5.0	6.5-9.0	126/200	93

BRAZOS RIVER 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 (EF)
Segment No.	SEGMENT NAME											
1224	Leon Reservoir	CR	H	PS		150	75	500	5.0	6.5-9.0	126/200	93
1225	Waco Lake	CR	H	PS		60	60	400	5.0	6.5-9.0	126/200	93
1226	North Bosque River	CR	H	PS		100	100	540	5.0	6.5-9.0	126/200	91
1227	Nolan River	CR	I			75	75	500	4.0	6.5-9.0	126/200	95
1228	Lake Pat Cleburne	CR	H	PS		100	100	300	5.0	6.5-9.0	126/200	93
1229	Paluxy River/North Paluxy River	CR	H	PS		50	100	500	5.0	6.5-9.0	126/200	91
1230	Lake Palo Pinto	CR	H	PS		100	100	450	5.0	6.5-9.0	126/200	93
1231	Lake Graham	CR	H	PS		200	75	500	5.0	6.5-9.0	126/200	95
1232	Clear Fork Brazos River	CR	H			1,250	2,200	4,900	5.0	6.5-9.0	126/200	93
1233	Hubbard Creek Reservoir	CR	H	PS		350	150	900	5.0	6.5-9.0	126/200	93
1234	Lake Cisco	CR	H	PS		75	75	350	5.0	6.5-9.0	126/200	93
1235	Lake Stamford	CR	H	PS		580	400	2,100	5.0	6.5-9.0	126/200	93
1236	Fort Phantom Hill Reservoir	CR	H	PS		130	150	550	5.0	6.5-9.0	126/200	93
1237	Lake Sweetwater	CR	H	PS		250	225	730	5.0	6.5-9.0	126/200	93
1238	Salt Fork Brazos River	CR	H			23,000	4,000	40,000	5.0	6.5-9.0	126/200	93
1239	White River	CR	H	PS		100	100	500	5.0	6.5-9.0	126/200	92
1240	White River Lake	CR	H	PS		150	100	650	5.0	6.5-9.0	126/200	89
1241	Double Mountain Fork Brazos River	CR	H			2,500	2,400	5,500	5.0	6.5-9.0	126/200	95
1242	Brazos River Above Navasota River	CR	H	PS		350	200	1,000	5.0	6.5-9.0	126/200	95
1243	Salado Creek	CR	H	PS/AP ³		50	50	400	5.0	6.5-9.0	126/200	90
1244	Brushy Creek	CR	H	PS/AP ³		200	150	800	5.0	6.5-9.0	126/200	91
1245	Upper Oyster Creek	CR	I	PS		140	75	1,070	4.0	6.5-9.0	126/200	95
1246	Middle Bosque/South Bosque River	CR	H			50	260	700	5.0	6.5-9.0	126/200	91

COLORADO RIVER 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 (EF)
Segment No.	SEGMENT NAME											
1401	Colorado River Tidal	CR	H						4.0	6.5-9.0	35/200	95
1402	Colorado River Below La Grange	CR	H	PS		100	100	500	5.0	6.5-9.0	126/200	95
1403	Lake Austin	CR	H	PS		100	75	400	5.0	6.5-9.0	126/200	90
1404	Lake Travis	CR	E	PS		100	75	400	6.0	6.5-9.0	126/200	90
1405	Marble Falls Lake	CR	H	PS		125	75	500	5.0	6.5-9.0	126/200	94
1406	Lake Lyndon B. Johnson	CR	H	PS		125	75	500	5.0	6.5-9.0	126/200	94
1407	Inks Lake	CR	H	PS		150	100	600	5.0	6.5-9.0	126/200	90
1408	Lake Buchanan	CR	H	PS		150	100	600	5.0	6.5-9.0	126/200	90
1409	Colorado River Above Lake Buchanan	CR	H	PS		200	200	900	5.0	6.5-9.0	126/200	91
1410	Colorado River Below O. H. Ivie Reservoir	CR	H	PS		500	455	1,475	5.0	6.5-9.0	126/200	91
1411	E. V. Spence Reservoir	CR	H	PS		950	450	1,500	5.0	6.5-9.0	126/200	93
1412	Colorado River Below Lake J. B. Thomas	CR	H			11,000	2,500	20,000	5.0	6.5-9.0	126/200	93
1413	Lake J. B. Thomas	CR	H	PS		80	110	500	5.0	6.5-9.0	126/200	90
1414	Pedernales River	CR	H	PS		125	75	525	5.0	6.5-9.0	126/200	91
1415	Llano River	CR	H	PS		50	50	350	5.0	6.5-9.0	126/200	91
1416	San Saba River	CR	H	PS		50	50	425	5.0	6.5-9.0	126/200	90
1417	Lower Pecan Bayou	CR	H			310	120	1,025	5.0	6.5-9.0	126/200	90
1418	Lake Brownwood	CR	H	PS		150	100	500	5.0	6.5-9.0	126/200	90
1419	Lake Coleman	CR	H	PS		150	100	500	5.0	6.5-9.0	126/200	93
1420	Pecan Bayou Above Lake Brownwood	CR	H	PS		500	500	1,500	5.0	6.5-9.0	126/200	90
1421	Concho River	CR	H	PS		775	425	1,600	5.0	6.5-9.0	126/200	90
1422	Lake Nasworthy	CR	H	PS		450	400	1,500	5.0	6.5-9.0	126/200	93
1423	Twin Buttes Reservoir	CR	H	PS		200	100	700	5.0	6.5-9.0	126/200	90

COLORADO RIVER 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 (EF)
Segment No.	SEGMENT NAME											
1424	Middle Concho/South Concho River	CR	H	PS		150	150	700	5.0	6.5-9.0	126/200	90
1425	O. C. Fisher Lake	CR	H	PS		150	150	700	5.0	6.5-9.0	126/200	90
1426	Colorado River Below E. V. Spence Reservoir	CR	H	PS		610	980	2,000	5.0	6.5-9.0	126/200	91
1427	Onion Creek ²	CR	H	PS/AP ³		100 ²	100 ²	500 ²	5.0	6.5-9.0	126/200	90
1428	Colorado River Below Town Lake	CR	E	PS		100	100	500	6.0 ⁴	6.5-9.0	126/200	95
1429	Town Lake ⁵	CR	H	PS		75	75	400	5.0	6.5-9.0	126/200	90
1430	Barton Creek	CR	H	AP ³		50	50	500	5.0	6.5-9.0	126/200	90
1431	Mid Pecan Bayou	CR				410	120	1100	2.0	6.5-9.0	126/200	90
1432	Upper Pecan Bayou	CR	H	PS		200	150	800	5.0	6.5-9.0	126/200	90
1433	O. H. Ivie Reservoir	CR	H	PS		___ ⁶	___ ⁶	___ ⁶	5.0	6.5-9.0	126/200	93
1434	Colorado River Above La Grange	CR	E	PS		100	100	500	6.0	6.5-9.0	126/200	95

¹ The indicator bacteria for freshwater is *E. coli* and Enterococci for saltwater. Fecal coliform is an alternative indicator.
² The aquifer protection reach of Onion Creek is assigned a criteria of 50 mg/L for Cl⁻¹, 50 mg/L for SO₄⁻², and 400 mg/L for TDS.
³ The aquifer protection use applies to the contributing, recharge, and transition zones of the Edwards Aquifer.
⁴ Dissolved oxygen criterion of 6.0 mg/L only applies at stream flows greater than or equal to 150 cfs as measured at USGS gage number 8158000 located in Travis County upstream from U.S. Highway 183. Dissolved oxygen criteria of 5.0 mg/L will apply to stream flows less than 150 cfs and greater than or equal to the 7Q2 for the segment.
⁵ While Segment 1429 may exhibit quality characteristics which would make it suitable for contact recreation, the use is prohibited by local regulation for reasons unrelated to water quality.
⁶ Numerical criteria for chloride, sulfate, and total dissolved solids cannot be established at this time for this new reservoir.

GUADALUPE RIVER 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 (EF)
Segment No.	SEGMENT NAME											
1801	Guadalupe River Tidal	CR	E						5.0	6.5-9.0	35/200	95
1802	Guadalupe River Below San Antonio River	CR	H	PS		150	100	700	5.0	6.5-9.0	126/200	93
1803	Guadalupe River Below San Marcos River	CR	H	PS		100	100	500	5.0	6.5-9.0	126/200	93
1804	Guadalupe River Below Comal River	CR	H	PS/AP ²		100	50	400	5.0	6.5-9.0	126/200	90
1805	Canyon Lake	CR	E	PS/AP ²		50	50	400	6.0	6.5-9.0	126/200	90
1806	Guadalupe River Above Canyon Lake	CR	E	PS/AP ²		50	50	400	6.0	6.5-9.0	126/200	90
1807	Coletto Creek	CR	H	PS		250	100	500	5.0	6.5-9.0	126/200	93
1808	Lower San Marcos River	CR	H	PS		60	50	400	5.0	6.5-9.0	126/200	90
1809	Lower Blanco River	CR	H	PS/AP ²		50	50	400	5.0	6.5-9.0	126/200	92
1810	Plum Creek	CR	H	AP ²		350	150	1,120	5.0	6.5-9.0	126/200	90
1811	Comal River	CR	H	PS/AP ²		50	50	400	5.0	6.5-9.0	126/200	80
1812	Guadalupe River Below Canyon Dam	CR	E	PS/AP ²		50	50	400	6.0	6.5-9.0	126/200	90
1813	Upper Blanco River	CR	E	PS/AP ²		50	50	400	6.0	6.5-9.0	126/200	92
1814	Upper San Marcos River ³	CR	E	AP ²		50	50	400	6.0	6.5-9.0	126/200	80
1815	Cypress Creek	CR	E	PS/AP ²		50	50	400	6.0	6.5-9.0	126/200	86
1816	Johnson Creek	CR	E	PS		50	50	400	6.0	6.5-9.0	126/200	86
1817	North Fork Guadalupe River	CR	E	PS		50	50	400	6.0	6.5-9.0	126/200	86
1818	South Fork Guadalupe River	CR	E	PS		50	50	400	6.0	6.5-9.0	126/200	86

¹ The indicator bacteria for freshwater is *E. coli* and Enterococci for saltwater. Fecal coliform is an alternative indicator.

² The aquifer protection use applies to the contributing, recharge, and transition zones of the Edwards Aquifer.

³ Segment 1814 - Upper San Marcos River is assigned a low-flow criterion of 58 ft³/sec for the application of water quality standards criteria in the same manner as a 7Q2 critical low-flow.

NUECES RIVER 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 (EF)
Segment No.	SEGMENT NAME											
2101	Nueces River Tidal	CR	H						4.0	6.5-9.0	35/200	95
2102	Nueces River Below Lake Corpus Christi	CR	H	PS		250	250	500	5.0	6.5-9.0	126/200	91
2103	Lake Corpus Christi	CR	H	PS		250	250	500	5.0	6.5-9.0	126/200	93
2104	Nueces River Above Frio River	CR	H	PS		700	300	1,500	5.0	6.5-9.0	126/200	90
2105	Nueces River Above Holland Dam	CR	H	PS		200	200	900	5.0	6.5-9.0	126/200	90
2106	Nueces/Lower Frio River	CR	H	PS		250	250	500	5.0	6.5-9.0	126/200	90
2107	Atascosa River	CR	H	PS		600	500	1,500	5.0	6.5-9.0	126/200	90
2108	San Miguel Creek	CR	H	PS		700	700	2,000	5.0	6.5-9.0	126/200	95
2109	Leona River	CR	H	PS/AP ²		650	500	2,000	5.0	6.5-9.0	126/200	90
2110	Lower Sabinal River	CR	H	PS		200	100	700	5.0	6.5-9.0	126/200	90
2111	Upper Sabinal River	CR	H	PS/AP ²		50	75	500	5.0	6.5-9.0	126/200	90
2112	Upper Nueces River	CR	H	PS/AP ²		50	50	400	5.0	6.5-9.0	126/200	90
2113	Upper Frio River	CR	E	PS/AP ²		50	50	400	6.0	6.5-9.0	126/200	90
2114	Hondo Creek	CR	H	PS/AP ²		50	100	400	5.0	6.5-9.0	126/200	90
2115	Seco Creek	CR	H	PS/AP ²		50	70	400	5.0	6.5-9.0	126/200	90
2116	Choke Canyon Reservoir	CR	H	PS		250	250	500	5.0	6.5-9.0	126/200	90
2117	Frio River Above Choke Canyon Reservoir	CR	H	PS/AP ²		620	380	1,700	5.0	6.5-9.0	126/200	90

¹ The indicator bacteria for freshwater is *E. coli* and Enterococci for saltwater. Fecal coliform is an alternative indicator.
² The aquifer protection use applies to the contributing, recharge, and transition zones of the Edwards Aquifer.

BAYS AND ESTUARIES		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 (EF)
Segment No.	SEGMENT NAME											
2451	Matagorda Bay/Powderhorn Lake	CR	E/O						5.0	6.5-9.0	14	95
2452	Tres Palacios Bay/Turtle Bay	CR	E/O						5.0	6.5-9.0	14	95
2453	Lavaca Bay/Chocolate Bay	CR	E/O						5.0	6.5-9.0	14	95
2454	Cox Bay	CR	E/O						5.0	6.5-9.0	14	95
2455	Keller Bay	CR	E/O						5.0	6.5-9.0	14	95
2456	Carancahua Bay	CR	E/O						5.0	6.5-9.0	14	95
2461	Espiritu Santo Bay	CR	E/O						5.0	6.5-9.0	14	95
2462	San Antonio Bay/Hynes Bay/Guadalupe Bay	CR	E/O						5.0	6.5-9.0	14	95
2463	Mesquite Bay/Carlos Bay/Ayres Bay	CR	E/O						5.0	6.5-9.0	14	95
2471	Aransas Bay	CR	E/O						5.0	6.5-9.0	14	95
2472	Copano Bay/Port Bay/Mission Bay	CR	E/O						5.0	6.5-9.0	14	95
2473	St. Charles Bay	CR	E/O						5.0	6.5-9.0	14	95
2481	Corpus Christi Bay	CR	E/O						5.0	6.5-9.0	14	95
2482	Nueces Bay	CR	E/O						5.0	6.5-9.0	14	95
2483	Redfish Bay	CR	E/O						5.0	6.5-9.0	14	95
2484	Corpus Christi Inner Harbor	NCR	I						3.0	6.5-9.0	35/200	95
2485	Oso Bay	CR	E/O						5.0	6.5-9.0	14	95
2491	Laguna Madre	CR	E/O						5.0	6.5-9.0	14	95
2492	Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada	CR	H/O						4.0	6.5-9.0	14	95
2493	South Bay	CR	E/O						5.0	6.5-9.0	14	95
2494	Brownsville Ship Channel	NCR	E						5.0	6.5-9.0	35/200	95

¹ The indicator bacteria for saltwater is Enterococci. Fecal coliform is an alternative indicator.