TEXAS SURFACE WATER QUALITY STANDARDS

Texas Department of Water Resources
April, 1981
LP-71

PREFACE

The Surface Water Quality Standards are the current revision of a document, Water Quality Requirements, which the Texas Water Quality Board staff developed in early 1967. In order to comply with the requirements of the Federal Water Pollution Control Act Amendments of 1972, the requirements were revised and approved by the Environmental Protection Agency on October 25, 1973. The Standards were amended in part on three occasions. In October, 1974, the Standards for the San Jacinto Basin and the Trinity-San Jacinto River Estuary were revised. In January, 1975, the Standards for the segments which traverse the Edwards Aquifer were revised. Also, in October, 1975, minor revisions for numerical values were incorporated into the Standards document which, the Environmental Protection Agency approved on February 9, 1976.

Major revisions to the Water Quality Standards are incorporated into this document. Water Quality Standards were written and based on the strategies which are being developed to meet the 1983 goals of PL 95-217. These goals require that, where attainable, water quality will support aquatic life and contact recreational uses.

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GENERAL STATEMENT

I. Authority

Pursuant to the authority contained in Section 26.023 of the Texas Water Code, as amended, the Texas Water Development Board on behalf of the Texas Department of Water Resources adopts the following stream standards.

II. 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 the public health and enjoyment, the propagation and protection of terrestrial and aquatic life, the operation of existing industries, and the economic development of the State; to encourage and promote the development and use of regional and area-wide waste collection, treatment, and disposal systems to serve the waste disposal needs of the citizens of the State; and to require the use of all reasonable methods to implement this policy (Section 26.003, Texas Water Code, as amended).

III. Antidegradation Statement

In implementing the legislative policy expressed in Section 26.003, it is the policy of the Texas Department of Water Resources that:

1. The waters in the State whose existing quality is better than the applicable water quality standards described herein as of the date when these standards become effective will as provided hereafter be maintained at their high quality, and no waste discharges may be made which will result in the lowering of the quality of these waters unless and until it has been demonstrated to the Texas Department of Water Resources that the change is justifiable as a result of necessary economic or social development.

2. Water uses identified in the numerical criteria of these standards will be maintained. Identified uses will be reviewed when appropriate and changes, if necessary, will be proposed and justified in accordance with 40 CFR, 35.1550(c)(2)(3) and (4). Additionally, no degradation shall be allowed in high quality waters within or adjacent to National Parks and Wildlife refuges or wild and scenic rivers designated by law if such degradation would significantly impact the use of an area for its designated purposes. Existing instream water uses shall be protected consistent with provisions of Chapter 11 of the Texas Water Code and in accordance with Section 101(g) of the Federal Clean Water Act.

3. The Department will not authorize or approve any waste discharge which will result in the quality of any of the waters in the State being reduced below the water quality standards without complying with the Federal and State laws applicable to the amendment of water quality standards.

4. Anyone making a waste discharge from any industrial, public or private project of development which would constitute a new source of pollution or an increased source of pollution to any of the waters in the State will be required, as part of the initial project design to provide the highest and best degree of waste treatment available under existing technology consistent with the best practice in the particular field affected under the conditions applicable to the project or development.

The Executive Director will keep the Environmental Protection Agency informed of its activities and will furnish to the agency such reports in such form, and containing such information as the Administrator of the Environmental Protection Agency may from time to time reasonably require to carry out his functions under the Federal Water Pollution Control Act, 33 U.S.C., 1251, et seq. Additionally, the Executive Director will consult and cooperate with the Environmental Protection Agency on all matters affecting the federal interest.

IV. Classification of Surface Waters

The surface waters of the State have been divided into the following categories for ease of classification.

1. River Basin Waters - those surface inland waters comprising the major rivers and their tributaries, including listed impounded waters, and including the tidal portion of the river to the extent that it is confined in a channel.

2. Coastal Basin Waters - those surface inland waters, including listed impounded waters, exclusive of (1) above, discharging or flowing or otherwise communicating with bays or the gulf including the tidal portion of streams to the extent that they are confined in channels.

3. Bay Waters - all tidal waters exclusive of those included in river basin waters, coastal basin waters, and gulf waters.

4. Gulf Waters - those waters which are not included in or form a part of any bay or estuary but which are a part of the open waters of the Gulf of Mexico to the limit of Texas' jurisdiction.

V. Description of Standards

The General Statement is an integral part of the Standards and the Standards shall be interpreted in accord with the General Statement.

The Standards consist of three parts:

1. General Criteria applicable to all surface waters of the State except as otherwise provided herein.

2. Numerical Criteria applicable to specific surface waters designated in the standards.

3. Water Uses deemed desirable for specific surface waters designated in the Standards.

   The designation of a segment as desirable for a particular water usage reflects the objective of the Texas Department of Water Resources to attain and maintain a quality of water appropriate to a specific water usage for a stream segment.

VI. General Criteria

The general criteria enumerated below are applicable to all surface waters of the State at all times and specifically apply with respect to substances attributed to waste discharges or the activities of man as opposed to natural phenomena. Natural waters may, on occasion, have characteristics outside the limits established by these criteria; in which these criteria do not apply. The criteria adopted herein relate to the condition of waters as affected by waste discharges or man's activities. The following criteria do not override a specific exception to any one or more of the following if the exception is specifically stated in a water quality standard.

1. Taste and odor producing substances shall be limited to concentrations in the waters of the State that will not interfere with the production of potable water by reasonable water treatment methods, or impart unpalatable flavor to food fish, including shellfish, or result in offensive odors arising from the waters, or otherwise interfere with the reasonable use of the waters.

2. The surface waters of the State shall be maintained so as to be essentially free of floating debris and suspended solids conducive to the production of putrescible sludge deposits or sediment layers which would adversely affect benthic biota or any lawful uses.

3. The surface waters of the State shall be maintained so as to be essentially free of settleable suspended solids conducive to changes in the flow characteristics of stream channels, to the untimely filling of reservoirs, lakes, and bays.

4. The surface waters of the State shall be maintained in an aesthetically attractive condition.

5. There shall be no substantial change in turbidity from ambient conditions due to waste discharges.

6. There shall be no foaming or frothing of a persistent nature.

7. There shall be no discharge of radioactive materials in excess of that amount regulated by the Texas Radiation Control Act, Article 4590(f), Revised Civil Statutes, State of Texas and Texas Regulation for Control of Radiation.

Radioactivity levels in the surface waters of Texas, including the radioactivity levels in both suspended and dissolved solids for the years 1958 through 1960, were measured and evaluated by the Environmental Sanitation Services Section of the Texas Department of Health in a report prepared for and at the direction of the Health Department by the Sanitary Engineering Research Laboratory at the University of Texas. The document is entitled, "Report on Radioactivity--Levels in Surface Waters--1958-1960" pursuant to contract No. 4413-407 and is dated June 30, 1960. This document comprises an authoritative report on background radioactivity levels in the surface waters in the State and quite importantly sets out the locations where natural radioactive deposits have influenced surface water radioactivity. The impact of radioactive discharges that may be made into the surface waters of Texas will be evaluated and judgments made on the basis of the information in the report which was at the ime made, and may still be the only comprehensive report of its kind in the nation.

Radioactivity in fresh waters associated with the dissolved minerals (measurements made on filtered samples) shall not exceed those enumerated in the Interim Primary Drinking Water Regulations, December 1977, or latest revision, unless such conditions are of natural origin.

8. The surface waters of the State shall be maintained so that they will not be toxic to man, fish and wildlife, and other terrestrial and aquatic life.

With specific reference to public drinking water supplies, toxic materials not removable by ordinary water treatment techniques shall not exceed those enumerated in the Interim Primary Drinking Water Regulations, December, 1977, or latest revision.

For a general guide, with respect to fish toxicity, receiving waters outside mixing zones should not have a concentration of nonpersistent toxic materials exceeding 1/10 of the 96-hour LC50, where the bioassay is made using fish indigenous to the

receiving waters. Similarly, for persistent toxicants, the concentrations should not exceed 1/20 of the 96-hour LC50.

For evaluations of toxicity, bioassay techniques will be selected as suited to the purpose at hand. As a general guideline, bioassays will be conducted using fish indigenous to the receiving waters, and water quality conditions (temperature, hardness, pH, salinity, dissolved oxygen, etc.) which approximate those of the receiving waters.

9. At the present time sufficient information is not available concerning (1) cause-effect relationships between nutrient concentrations and water quality, and (2) nutrient cycling mechanisms in Texas waters, to establish appropriate water quality standards for nutrients. As such information becomes available standards for nutrients will be established, if appropriate. Decisions regarding the establishment of nutrient standards will be made on a case-by-case basis by the Department after proper hearing and public participation. The establishment of a schedule for decisions as to the need for the nutrient standards which should be adopted is not feasible at this time.

10. The surface waters of the State shall be maintained so that no oil, grease, or related residue will produce a visible film of oil or globules of grease on the surface, or coat the banks and bottoms of the watercourse.

11. A dissolved oxygen concentration of at least 2.0 mg/L shall be maintained in all waters of the State, with the exception of intermittent streams and inland effluent dominated streams, for all flow conditions for which a dissolved oxygen limit is not enumerated elsewhere in these Standards (note also Section IX.4).

12. The quality of surface waters of the State, other than intermittent streams and those segments with specifically identified desired uses and numerical criteria, will be protected so that certain minimal uses such as navigation, agricultural water supply, or industrial water supply will be maintained. The foregoing statement is not to be construed to mean that the criteria enumerated in Quality Criteria for Water shall be applied in determining suitable water quality for the uses identified.

13. Consistent with its water resource management responsibilities, the State has determined that in most areas of the State the use of man-made impoundments for industrial cooling accomplishes both water conservation and water quality management objectives. While numerical criteria for temperature are not established for all such reservoirs, temperatures in these reservoirs and all other surface waters of the State shall be maintained so as not to interfere with the reasonable use of such waters for beneficial purposes consistent with the Policy Statement and in accordance with water rights permits.

VII. Numerical Criteria

The numerical criteria apply to the specific waters identified. A detailed description of the inland segment boundaries is contained in Appendix B - Segment Descriptions. Boundaries of coastal and estuarine segments have not yet been precisely defined; however, approximations are illustrated in the Segment Identification Maps, Texas River and Coastal Basins, Texas Department of Water Resources, LP-132, October 1980. Stream standards are established and specifically apply with respect to substances attributed to waste discharges or the activities of man as opposed to natural phenomena. Other surface waters are covered by the criteria in the General Statement and Section IX, 4.

Chemical concentration parameters, with the exception of dissolved oxygen and pH, apply to the approximate midpoint of the segment. The numerical values shown represent arithmetic average conditions over a period of one year. Compliance is determined from at least four measurements per segment by averaging measurements from all monitoring stations within the segment to allow for reasonable gradients within the segment. Whenever an unusual chemical concentration is found, an investigation of its origin will be made and such action as is warranted initiated. These chemical parameters, as identified in the numerical criteria will be maintained through the permit review process. Salinity levels in estuarine areas are discussed in Section XI, (2) Estuarine Salinity.

The dissolved oxygen values are minimum values which are applicable except as qualified in Section IX. For short periods of time, diurnal variations of 1.0 mg/L below the standard specified in the table shall be allowed for no more than 8 hours during any 24-hour period.

The pH range represents maximum and minimum conditions throughout the segment except as qualified in Section IX.

The temperature limitations are intended to be applied with judgment and are applicable to the waters specifically identified herein with the qualifications enumerated in Section IX. Temperature standards are composed of two parts, a maximum temperature and a maximum temperature differential attributable to heated effluents.

Fresh Water Streams:

Maximum Temperature	See Table for Specific Waters
Maximum Temp. Diff.	5°F rise over ambient

Fresh Water Impoundment:

Maximum Temperature	See Table for Specific Waters
Maximum Temp. Diff.	3°F rise over ambient

Tidal River Reaches, Bay and Gulf Waters:

	Fall Winter, Spring	Summer (June, July August)
Maximum Temp. Diff.	4°F	1.5°F
Maximum Temperature	95°F	95°F

The specific temperature differentials shall not apply where the temperature increase is due to the discharge of a treated domestic (sanitary) sewage effluent.

The maximum temperature differential applies only to temperatures below the maximum criteria. If a recorded temperature exceeds the maximum criteria for a specific segment it will be considered a violation of the Water Quality Standards.

Bacteriological water quality standards consist of two parts: (1) a measure of general quality, and (2) a limit on variations from the general quality.

For all waters except gulf and bay waters, the measure of general quality is the logarithmic mean (geometric mean) of fecal coliform determinations. The number specified in the tables applies to the logarithmic mean of data from a representative sampling of not less than 5 samples collected over not more than 30 days. All aspects of the sampling shall be such that a truly representative result is obtained. For routine observation and evaluation of water quality, lesser numbers of samples collected over longer periods will be used. In bay waters (exclusive of bay waters in the buffer zone), the number specified in the tables applies to the median total coliform density as specified in the "National Shellfish Sanitation Program Manual or Operations, Part 1, Sanitation Shellfish Growing Areas", 1965 Revision, or latest revision.

The limit on variations from the general bacteriological quality on all waters except gulf and bay waters is a fecal coliform density which shall not be equaled or exceeded in more than 10% of the samples. This density is twice the numerical criteria specified in the table. In the instance of gulf and bay waters (exclusive of the buffer zone), the criteria for shellfish growing water shall apply.

VIII. Water uses

1. Contact recreation waters

Surface waters suitable for contact recreation shall not exceed a logarithmic mean (geometric mean) fecal coliform content of 200 organisms per 100 ml from a representative sampling of not less than 5 samples collected over not more than 30 days, as determined by either multiple-tube fermentation or membrane filter techniques. No more than 10 percent of the total samples taken during any 30-day period shall exceed a logarithmic mean fecal coliform content of 400 organisms per 100 ml.

Simple compliance with bacteriological standards does not insure that waters are safe for primary contact recreation, such as swimming. Long-standing public health principles mandate that a watershed sanitary survey be conducted in order to adequately evaluate the sanitary hazards potentially present on any natural watercourse.

2. Noncontact recreation

Surface waters for general or noncontact recreation should, with specific and limited exceptions, be suitable for human use in recreation activities not involving significant risks of ingestion. These waters shall not exceed a logarithmic mean (geometric mean) fecal coliform content of 2,000/100 ml, nor equal or exceed 4,000/100 ml in more than 10 percent of the samples, except in specified mixing zones adjacent to outfalls.

3. Domestic raw water supply

It is the goal that the chemical quality of all surface waters used for domestic raw water supply conform to the Interim Drinking Water Regulations. However, it must be realized that some surface waters are being used that cannot meet these standards. Since in these cases it is the only source available, these surface waters may be deemed suitable for use as a domestic raw water supply, where the chemical constituents do not pose a potential health hazard.

The evaluation of raw water for domestic use cannot be reduced to simply counting bacteria of any kind and the foregoing must be used with judgment and discretion. This paragraph is not intended to limit the responsibilities and authorities of responsible local governments or local health agencies.

4. Propagation of fish and wildlife

The water quality requirements necessary to support the propagation of fish and wildlife are too diverse to be defined by a single set of numerical criteria. Different, but equally desirable, biological communities may have substantially different water quality requirements. Also, the impact of a given chemical or physical component on a biological community can be assessed only when the other components of the system are known since synergistic and antagonistic interactions are common. Determination of the suitability of a stream for the propagation of fish and wildlife is most effectively accomplished by an assessment which considers both the physical-chemical parameters of the stream and the biological community present in the stream.

Specific criteria do exist with respect to shellfish waters. In shellfish areas in the bays and outside the buffer zones, the total coliform criteria shall be limited and guided by the latest revision of the U. S. Public Health Service Manual, "Sanitation of Shellfish Growing Areas".

IX. Application of Standards

1. Flow Criteria

The flow criteria as defined below and listed specifically for each segment at the referenced stations (See Appendix A) apply only to river and coastal basin waters. They do not apply to reservoir, estuarine, or gulf waters. Flow conditions were computed from historic USGS daily streamflow records where available. In cases where there was not a USGS flow station at the TDWR monitoring station, the base flow condition was interpolated/extrapolated from the nearest comparable USGS stations. The seven-day, two-year low flows shown in Appendix A were calculated using USGS data. When the calculated seven-day, two-year low flow was less than 0.1 cfs the base flow was set at 0.1 cfs.

The flows will be recomputed periodically to reflect any alterations in the hydrologic characteristics of a segment which may result from upstream activities in the basin, including construction of new reservoirs, climatological trends or other phenomena.

a. Chemical Parameters: The water quality standards exclusive of temperature, dissolved oxygen, and pH, but including chlorides, sulfates, and total dissolved solids represent annual arithmetic mean concentrations which shall not be exceeded for any year. The measurements that shall be used to compute the annual arithmetic mean will be only those taken when the flow at the time of sampling equals or exceeds the specified flow criterion. At least four (4) measurements per year are required to determine compliance with standards.

b. The dissolved oxygen and pH standards represent minimum and minimum/maximum values, respectively, and shall apply at all times that the daily flow equals or exceeds the specified flow criterion.

c. Temperature: The temperature standard represents a maximum value that shall apply at all times that the daily flow exceeds the specified flow criterion.

d. Other Parameters and General Criteria: The general criteria and the numberical criteria not specifically discussed above shall apply at all times regardless of flow unless specifically excepted under Section IX, 4.

e. The flow criteria identified in Appendix A are solely for the purpose of defining the conditions under which the numerical water quality standards apply to a given water body. The Appendix A flow criteria are not for the purpose of regulating flows in water bodies in any manner or requiring that minimun flows be maintained in the referenced water bodies.

2. Mixing Zones

Where mixing zones are specifically defined in a valid waste discharge permit issued by the Texas Department of Water Resources or a National Pollutant Discharge Elimination System Permit, the defined zone shall apply.

Where the mixing zone is not so defined, a reasonable zone shall be allowed. Because of varying local physical, chemical and biological conditions, no single criterion is applicable in all cases. In no case, however, where fishery resources are considered significant, shall the mixing zone allowed preclude the passage of free-swimming and drifting aquatic organisms to the extent of significantly affecting their populations. Normally mixing zones should be limited to no more than 25 percent of the cross-sectional area and/or volume of flow of the stream or estuary, leaving at least 75 percent free as a zone of passage unless otherwise defined by specific Board Order or Permit. Where specific mixing zones are defined consideration will be given to the guidance in Chapter 5, Guidelines for State and Areawide Water Quality Management Program Development, (1976) in establishing the mixing zone.

3. Buffer Zones in Bay and Gulf Waters

For all bay and gulf waters, exclusive of those contained in river or coastal basins as defined in Section IV, a buffer zone of 1,000 feet measured from the shorelines at ordinary high tide is hereby established. In this zone, the bacteriological requirements enumerated in other sections of these standards shall not apply. In these zones, the logarithmic mean (geometric mean) density of fecal coliform organisms shall not exceed 200/100 ml nor shall more than 10% of the total samples exceed 400/100 ml. The foregoing percentages are applicable when examining data from not less than 5 samples collected over not more than 30 days. For routine observation and evaluation of water quality, lesser numbers of samples collected over longer periods will be used.

4. Exceptions

The Water Quality Standards will not apply to treated effluents and, except General Criteria, will not apply to:

a. water in mixing zones as defined in this section or in a waste discharge operating under a valid permit issued by the Texas Department of Water Resources or the National Pollutant Discharge Elimination System, or

b. dead-end barge and dead-end ship channels constructed for navigation purposes unless specifically designated in the tables. This does not include finger canals to marinas or other developments.

In dead-end barge canals and dead-end ship channels, intermittent streams, and inland effluent dominated streams, a minimum goal shall be to maintain a concentration of 2.0 mg/L dissolved oxygen except in areas where it is not feasible or justifiable. Nothing in this statement precludes requiring waste treatment over and above that required to meet a 2.0 mg/L dissolved oxygen standard.

X. Determination of Compliance

In making any tests or analytical determination on classified surface waters to determine compliance

or noncompliance with water quality standards, representative samples shall be collected at locations approved by the Texas Department of Water Resources.

1. Collection and Preservation of Samples

Samples for determining compliance with the standards, excepting temperature as explained below, will be collected one foot below the water surface unless the water depth is less than 1.5 feet, in which case the collection depth shall be one-third of the water depth measured from the water surface.

For impoundments, the temperature standards enumerated shall apply to the representative temperature of the receiving water outside the mixing zone measured by averaging temperature measurements made at equal and appropriate intervals from the surface to the bottom except where the impoundment is stratified. In these cases, the bottom is defined as the thermocline and the temperature measurements for determining compliance shall be confined to the epilimnion. The thermocline shall be that point of rapid temperature change with vertical depth as defined in standard textbooks on the subject.

In tidal river reaches, the temperature standards apply to the fresh water layer in stratified situations similar to impoundments.

Samples will be collected from the present established sampling stations to insure continuance in monitoring with that done in the past. In those cases where there are not sufficient established points, it may be necessary to establish additional stations. This statement does not preclude sampling at other points in the conduct of field investigations.

Collection and preservation of samples will be in accordance with accepted procedures to assure representative samples of the water and to minimize alterations prior to analysis.

2. Analysis of Samples

Numerical values in the water quality standards will be determined by analytical procedures outlined in the latest edition of "Standard Methods for the Examination of Water and Wastewater" as prepared and published jointly by the American Public Health Association, the American Waterworks Association, and the Water Pollution Control Federation. Also, tests may be in accordance with other acceptable methods which have proven to yield reliable data to the satisfaction of the Texas Department of Water Resources.

XI. Comments

1. Inadequate Data

The Board reserves the right to amend these standards following the completion of extensive studies presently under way or being planned in the near future on some of the major river basins.

Errors in these water quality standards resulting from clerical or human errors, or erroneous data, will be subject to correction by the Board; and the discovery of such errors does not render the remaining or unaffected standards invalid.

2. Estuarine Salinity

It is recognized that the maintenance of proper salinity gradients during various periods of the year within estuarine waters is very important to the continuation of balanced and desirable populations of estuarine dependent marine life. The dominant force in determining salinity gradients is weather -- although gradients can be affected by waste discharges; modifications in the flow regime of in-flow rivers and streams, by the construction of impoundments, water diversions, etc.; and by physical alterations of gulf passes and other interconnections between estuarine and gulf waters. Since the dominant force controlling salinity gradients is beyond control, meaningful salinity standards cannot be enforced. Careful consideration, however, will always be given to all activities of any nature which can or might detrimentally affect salinity gradients in estuarine waters.

All phases of the natural mineral composition of estuarine and marine waters commonly known as salinity or salinity gradient are outside the scope of these standards, but are not outside the scope of the interest, responsibility, and authority of the several State agencies concerned with water quality, quantity, development, regulations, and administration. For the State's purposes, using both existing data and data yet to be collected, the State proposes to adopt carefully considered estuarine salinity criteria upon which future State evaluations and regulatory actions might be based. Such evaluations and regulatory actions shall not be precluded because of the absence of established salinity standards.

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

CANADIAN RIVER BASIN		WATER USES DEEMED				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
0101	Canadian River - Oklahoma to Lake Meredith (Sanford Dam)	X	X	X		1,000	600	3,500	5.0	6.5-9.0	200	95
0102	Lake Meredith	X	X	X	X	350	350	1,250	5.0	6.5-9.0	200	85
0103	Canadian River - Lake Meredith to New Mexico	X	X	X		900	500	2,500	5.0	6.5-9.0	200	95
0104	Wolf Creek	X	X	X		300	100	1,000	5.0	6.5-9.0	200	93
0105	Rita Blanca Lake	X	X	X	X	50	40	300	5.0	6.5-9.0	200	85

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

RED RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
0201	Red River - Arkansas state line at Index to Oklahoma state line	X	X	X	X	375	250	1,100	5.0	6.5-9.0	200	93
0202	Red River - Oklahoma state line to Lake Texoma	X	X	X	X	375	250	1,100	5.0	6.5-9.0	200	93
0203	Lake Texoma	X	X	X	X	600	300	1,500	5.0	6.5-9.0	200	92
0204	Red River - Lake Texoma headwater to Wichita River confluence	X	X	X		2,000	1,200	6,000	5.0	6.5-9.0	200	93
0205	Red River - Wichita River confluence to Pease River confluence	X	X	X		5,000	2,000	10,000	5.0	6.5-9.0	200	93
0206	Red River - Pease River confluence to Prairie Dog Town Fork Red River	X	X	X		12,000	4,000	25,000	5.0	6.5-9.0	200	93
0207	Prairie Dog Town Fork Red River	X	X	X		30,000	4,500	65,000	5.0	6.5-9.0	200	93
0208	Lake Crook	X	X	X	X	75	150	350	5.0	6.5-9.0	200	90

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

RED RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
0209	Pat Mayse Reservoir	X	X	X	X	100	175	350	5.0	6.5-9.0	200	90
0210	Farmers Creek Reservoir (Nocona Lake)	X	X	X	X	150	100	500	5.0	6.5-9.0	200	93
0211	Little Wichita River	X	X	X	X	250	50	500	5.0	6.5-9.0	200	91
0212	Lake Arrowhead	X	X	X	X	250	50	500	5.0	6.5-9.0	200	93
0213	Lake Kickapoo	X	X	X	X	100	50	400	5.0	6.5-9.0	200	90
0214	Wichita River - Red River confluence to Diversion Dam	X	X	X		1,800	800	5,000	5.0	6.5-9.0	200	90
0215	Diversion Lake	X	X	X		1,800	800	5,000	5.0	6.5-9.0	200	90
0216	Wichita River - Diversion Lake headwater to Lake Kemp Dam	X	X	X		1,800	800	5,000	5.0	6.5-9.0	200	90
0217	Lake Kemp	X	X	X		7,000	2,500	15,000	5.0	6.5-9.0	200	93

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

RED RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
0218	Wichita River - Lake Kemp headwater to river headwater, including North, Middle, and South Forks	X	X	X		7,000	3,500	15,000	5.0	6.5-9.0	200	93
0219	Lake Wichita	X	X	X		1,000	400	1,800	5.0	6.5-9.0	200	90
0220	Pease River - Red River confluence to North Fork Pease River headwater	X	X	X		12,000	3,500	30,000	5.0	6.5-9.0	200	91
0221	Pease River - Middle and South Forks Pease River from North Fork Pease River confluence to headwater	X	X	X		2,500	1,200	7,000	5.0	6.5-9.0	200	91
0222	Salt Fork Red River - Oklahoma to Greenbelt Reservoir Dam	X	X	X		400	1,400	3,000	5.0	6.5-9.0	200	93
0223	Greenbelt Reservoir	X	X	X	X	250	200	750	5.0	6.5-9.0	200	93
0224	North Fork Red River - Oklahoma to headwater	X	X	X		800	1,200	2,500	5.0	6.5-9.0	200	91
0225	McKinney Bayou		X	X	X	60	90	400	5.0	6.0-8.5	2,000	93

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

SULPHUR RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
0301	Sulphur River - Arkansas to Lake Wright Patman Dam.	X	X	X		120	100	500	5.0	6.0-8.5	200	90
0302	Lake Wright Patman	X	X	X	X	75	75	400	5.0	6.0-8.5	200	90
0303	Sulphur River - above Lake Wright Patman, including North, Middle and South Sulphur Rivers	X	X	X	X	100	100	500	5.0	6.0-8.5	200	93
0304	Days Creek - Arkansas State Line to headwaters		X	X		525	75	850	5.0	6.0-8.5	2,000	90

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

CYPRESS CREEK BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION										FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	
0401	Caddo Lake - Lousiana State Line to Lake headwater	X	X	X	X	100	50	300	5.0	6.0-8.5	200	90
0402	Cypress Creek (also called Big Cypress Creek) - above Caddo Lake to Lake O' the Pines Dam	X	X	X	X	100	50	300	5.0	6.0-8.5	200	93
0403	Lake O' the Pines	X	X	X	X	80	50	300	5.0	6.0-8.5	200	93
0404	Cypress Creek - above Lake O' the Pines to Franklin County Dam.		X	X	X	100	100	500	5.0	6.0-8.5	2,000	90
0405	Lake Cypress Springs	X	X	X	X	100	100	500	5.0	6.0-8.5	200	93
0406	Black Bayou		X	X	X	80	50	300	5.0	6.0-8.5	2,000	90
0407	James' (Jim's) Bayou		X	X	X	100	50	300	5.0	6.0-8.5	2,000	90

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

SABINE RIVER BASIN

SEGMENT NUMBER	SEGMENT DESCRIPTION	WATER USES DEEMED DESIRABLE: CONTACT RECREATION	WATER USES DEEMED DESIRABLE: NONCONTACT RECREATION	WATER USES DEEMED DESIRABLE: PROPAGATION OF FISH & WILDLIFE	WATER USES DEEMED DESIRABLE: DOMESTIC RAW WATER SUPPLY	CRITERIA: CHLORIDE (mg/l) avg. not to exceed	CRITERIA: SULFATE (mg/l) avg. not to exceed	CRITERIA: TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	CRITERIA: DISSOLVED OXYGEN (mg/l) not less than	CRITERIA: pH RANGE	CRITERIA: COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	CRITERIA: TEMPERATURE °F (see Gen. Statement)
0501	Sabine River Tidal	X	X	X					4.0	6.0-8.5	200	95
0502	Sabine River - Morgan's Bluff to Sabine River Authority pump station	X	X	X	X	120	60	500	5.0	6.0-8.5	200	90
0503	Sabine River - Sabine River Authority pump station to Toledo Bend Dam	X	X	X	X	120	60	500	5.0	6.0-8.5	200	91
0504	Toledo Bend Reservoir	X	X	X	X	120	60	500	5.0	6.0-8.5	200	93
0505	Sabine River - Toledo Bend headwater to US 271 near Gladewater		X	X	X	175	75	400	5.0	6.0-8.5	2,000	93
0506	Sabine River - US 271 near Gladewater to Lake Tawakoni	X	X	X	X	200	100	500	5.0	6.0-8.5	200	90
0507	Lake Tawakoni	X	X	X	X	75	50	200	5.0	6.0-8.5	200	93
0508	Adams Bayou Tidal		X	X					4.0	6.0-8.5	2,000	95
0509	Lake Murvaul	X	X	X	X	150	75	500	5.0	6.5-9.0	200	92
0510	Lake Cherokee	X	X	X	X	75	50	250	5.0	6.0-8.5	200	95
0511	Cow Bayou Tidal	X	X	X					4.0	6.0-8.5	200	95

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

NECHES RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
0601	Neches River Tidal		X	X					2.5*	6.0-8.5	2,000	95
0602	Neches River - above tidal to Dam B	X	X	X	X	50	30	150	5.0	6.0-8.5	200	91
0603	B. A. Steinhagen Reservoir	X	X	X	X	50	30	150	5.0	6.0-8.5	200	93
0604	Neches River - Steinhagen Reservoir headwater to Blackburn Crossing Dam	X	X	X	X	50	30	150	5.0	6.0-8.5	200	91
0605	Lake Palestine	X	X	X	X	50	30	150	5.0	6.0-8.5	200	90
0606	Neches River - above Lake Palestine	X	X	X	X	50	30	150	5.0	6.0-8.5	200	95
0607	Pine Island Bayou	X	X	X	X	150	50	300	5.0	6.0-8.5	200	95
0608	Village Creek	X	X	X	X	150	75	300	5.0	6.0-8.5	200	90
0609	Angelina River - Steinhagen Reservoir confluence to Sam Rayburn Dam	X	X	X	X	70	40	250	5.0	6.0-8.5	200	90
0610	Sam Rayburn Reservoir	X	X	X	X	70	40	250	5.0	6.0-8.5	200	93

*Does not apply to flows less than 1,000 cfs

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

NECHES RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
0611	Angelina River - above Sam Rayburn Reservoir	X	X	X	X	125	40	250	5.0	6.0-8.5	200	90
0612	Attoyac Bayou	X	X	X	X	75	50	150	5.0	6.0-8.5	200	90
0613	Lake Tyler and Lake Tyler East	X	X	X	X	100	50	250	5.0	6.5-9.0	200	93
0614	Lake Jacksonville	X	X	X	X	50	75	750	5.0	6.5-9.0	200	93

TEXAS SURFACE WATER QUALITY STANDARDS

BAY & GULF WATERS

SABINE-NECHES ESTUARY		WATER USES DEEMED DESIRABLE			CRITERIA			
							COLIFORM	TEMP.
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	TOTAL/ (100 ml) - median not more than (see Gen. Statement)	FALL, WINTER & SPRING not to exceed 4°F rise SUMMER not to exceed a 1.5°F rise
2411	Sabine Pass - U. S. Coast Guard Station to end of jetties	X	X	X	5.0	6.5-9.0	70	95
2412	Sabine Lake	X	X	X	4.0	6.5-9.0	70	95

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

NECHES-TRINITY COASTAL BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION										FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	
0701	Taylor Bayou - above tidal	X	X	X		100	75	600	5.0	6.5-9.0	200	95
0702	Intracoastal Waterway - Port Bolivar to Sabine-Neches Canal		X	X					4.0	6.5-9.0	2,000	95
0703	Sabine-Neches Canal - Stewt's Island to U. S. Coast Guard Station		X	X					4.0	6.5-9.0	2,000	95

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

TRINTY RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
0801	Trinty River Tidal	X	X	X					4.0	6.5-9.0	200	95
0802	Trinity River - Tidal to Livingston Dam	X	X	X	X	125	100	600	5.0	6.5-9.0	200	93
0803	Lake Livingston	X	X	X	X	150	50	500	5.0	6.5-9.0	200	93
0804	Trinity River - Lake Livingston headwater to SH 31 near Trinidad		X	X		150	150	600	5.0	6.5-9.0	2,000	93
0805	Trinity River - SH 31 near Trinidad to Beach Street bridge in Fort Worth		X*			175	175	850	3.0**	6.5-9.0	2,000	95
0806	West Fork Trinity River - Beach St. Bridge in Fort Worth to Lake Worth Dam	X	X	X	X	100	100	500	5.0	6.5-9.0	200	93
0807	Lake Worth	X	X	X	X	100	100	500	5.0	6.5-9.0	200	91
0808	West Fork Trinity River - Lake Worth headwater to Eagle Mountain Dam	X	X	X	X	100	100	500	5.0	6.5-9.0	200	91
0809	Eagle Mountain Reservoir	X	X	X	X	75	75	300	5.0	6.5-9.0	200	94

* Desired uses such as navigation, agricultural water supply and industrial water supply are applicable to this segment.

** "Does not apply when the headwater flow at U.S.G.S. gauge station 0804800 located at West Fork Trinity River at Fort Worth, Texas, is less than 80 cfs. In such cases, the dissolved oxygen standard shall be 1.0 mg/l. Application of diurnal variation of dissolved oxygen criteria noted in Section VII of these Standards is restricted to those incidences Segment 0805 where ambient dissolved oxygen levels are 2.0 mg/l or greater."

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

TRINITY RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
0810	West Fork Trinity River - Eagle Mountain Lake headwater to Bridgeport Dam	X	X	X	X	100	100	500	5.0	6.5-9.0	200	90
0811	Lake Bridgeport	X	X	X	X	75	75	300	5.0	6.5-9.0	200	90
0812	West Fork Trinity River - above Lake Bridgeport	X	X	X	X	100	100	500	5.0	6.5-9.0	200	90
0813	Houston County Lake	X	X	X	X	75	75	300	5.0	6.5-9.0	200	93
0814	Chambers-Richland Creek - Chambers Creek, and Richland Creek from Trinity River confluence to Chambers Creek confluence	X	X	X	X	100	100	500	5.0	6.5-9.0	200	90
0815	Bardwell Reservoir	X	X	X	X	50	50	300	5.0	6.5-9.0	200	91
0816	Lake Waxahachie	X	X	X	X	50	50	300	5.0	6.5-9.0	200	91
0817	Navarro Mills Reservoir	X	X	X	X	50	75	300	5.0	6.5-9.0	200	90
0818	Cedar Creek Reservoir	X	X	X	X	50	50	200	5.0	6.0-8.5	200	93

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

TRINITY RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
0819	East Fork Trinity River - Trinity River confluence to Forney Dam		X	X	X	75	50	400	4.0*	6.5-9.0	2,000	91
0820	Lake Ray Hubbard	X	X	X	X	40	40	300	5.0	6.5-9.0	200	93
0821	Lake Lavon	X	X	X	X	40	40	300	5.0	6.5-9.0	200	93
0822	Elm Fork Trinity River - West Fork Trinity River confluence to Lewisville Dam	X	X	X	X	80	60	500	5.0	6.5-9.0	200	90
0823	Lake Lewisville (Garza-Little Elm Res.)	X	X	X	X	80	60	500	5.0	6.5-9.0	200	90
0824	Elm Fork Trinity River - above Lake Lewisville	X	X	X	X	80	60	500	5.0	6.5-9.0	200	90
0825	Denton Creek	X	X	X	X	80	60	500	5.0	6.5-9.0	200	90
0826	Grapevine Reservoir	X	X	X	X	80	60	500	5.0	6.5-9.0	200	93
0827	White Rock Lake	X	X	X	X	100	100	400	5.0	6.5-9.0	200	93
0828	Lake Arlington	X	X	X	X	100	100	300	5.0	6.5-9.0	200	95

*For this segment, the desired use "Propagation of Fish and Wildlife" is identified as that applicable to a modified warm water habitat.

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

TRINITY RIVER BASIN

SEGMENT NUMBER	SEGMENT DESCRIPTION	WATER USES DEEMED DESIRABLE: CONTACT RECREATION	WATER USES DEEMED DESIRABLE: NONCONTACT RECREATION	WATER USES DEEMED DESIRABLE: PROPAGATION OF FISH & WILDLIFE	WATER USES DEEMED DESIRABLE: DOMESTIC RAW WATER SUPPLY	CRITERIA: CHLORIDE (mg/l) avg. not to exceed	CRITERIA: SULFATE (mg/l) avg. not to exceed	CRITERIA: TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	CRITERIA: DISSOLVED OXYGEN (mg/l) not less than	CRITERIA: pH RANGE	CRITERIA: COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	CRITERIA: TEMPERATURE °F (see Gen. Statement)
0829	Clear Fork Trinity River - West Fork Trinity River confluence to Benbrook Dam	X	X	X	X	100	100	500	5.0	6.5-9.0	200	93
0830	Benbrook Reservoir	X	X	X	X	75	75	300	5.0	6.5-9.0	200	93
0831	Clear Fork Trinity River - Benbrook Reservoir headwater to Weatherford Dam	X	X	X	X	100	100	500	5.0	6.5-9.0	200	90
0832	Lake Weatherford	X	X	X	X	100	100	500	5.0	6.5-9.0	200	93
0833	Clear Fork Trinity River - above Lake Weatherford	X	X	X	X	125	125	750	5.0	6.5-9.0	200	95
0834	Lake Amon G. Carter	X	X	X	X	150	150	400	5.0	6.5-9.0	200	93

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

TRINITY-SAN JACINTO COASTAL BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
0901	Cedar Bayou Tidal	X	X	X					4.0	6.5-9.0	200	95
0902	Cedar Bayou - above tidal		X	X	X	200	100	400	5.0	6.5-9.0	1,000	90

TEXAS SURFACE WATER QUALITY STANDARDS
BAY & GULF WATERS

TRINITY-SAN JACINTO ESTUARY		WATER USES DEEMED DESIRABLE			CRITERIA			
							COLIFORM	TEMP.
SEGMENT NUMBER	DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	TOTAL/ (100 ml) - median not more than (see Gen. Statement)	FALL, WINTER & SPRING not to exceed 4°F rise SUMMER not to exceed a 1.5°F rise
2421	Upper Galveston Bay	X	X	X	4.0	6.5-9.0	70	95
2422	Trinity Bay	X	X	X	4.0	6.5-9.0	70	95
2423	East Bay	X	X	X	4.0	6.5-9.0	70	95
2424	West Bay	X	X	X	4.0	6.5-9.0	70	95
2425	Clear Lake	X	X	X	4.0	6.5-9.0	200*	95
2426	Tabbs Bay	X	X	X	4.0	6.5-9.0	200*	95
2427	San Jacinto Bay	X	X	X	4.0	6.5-9.0	200*	95
2428	Black Duck Bay	X	X	X	4.0	6.5-9.0	200*	95
2429	Scott Bay	X	X	X	4.0	6.5-9.0	200*	95

* Contact recreation bacteriological standards apply - 200/100 ml fecal coliform

TEXAS SURFACE WATER QUALITY STANDARDS

BAY & GULF WATERS

TRINITY-SAN JACINTO ESTUARY		WATER USES DEEMED DESIRABLE			CRITERIA			
							COLIFORM	TEMP.
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	TOTAL/ (100 ml) - median not more than (see Gen. Statement)	FALL, WINTER & SPRING not to exceed 4°F rise SUMMER not to exceed a 1.5°F rise
2430	Burnett Bay	X	X	X	4.0	6.5-9.0	200*	95
2431	Moses Lake	X	X	X	4.0	6.5-9.0	200*	95
2432	Chocolate Bay	X	X	X	4.0	6.5-9.0	70	95
2433	Bastrop Bay - including Oyster Lake	X	X	X	4.0	6.5-9.0	70	95
2434	Christmas Bay	X	X	X	4.0	6.5-9.0	70	95
2435	Drum Bay	X	X	X	4.0	6.5-9.0	70	95
2436	Barbours Cut	X	X		4.0	6.5-9.0	200*	95
2437	Texas City Ship Channel		X		4.0	6.5-9.0	1,000**	95
2438	Bayport Channel		X		4.0	6.5-9.0	1,000**	95
2439	Lower Galveston Bay	X	X	X	4.0	6.5-9.0	70	95

* Contact recreation bacteriological standards apply - 200/100 ml fecal coliform

** Refers to Fecal Coliform count and not total coliform count

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

SAN JACINTO RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
1001	San Jacinto River Tidal - 200 yards below I.H. 10 Bridge to Lake Houston Dam	X	X	X					4.0	6.5-9.0	200	95
1002	Lake Houston	X	X	X	X	100	50	200	5.0	6.5-9.0	200	90
1003	East Fork San Jacinto River - above Lake Houston		X	X	X	80	40	400	5.0	6.0-8.5	2,000	91
1004	West Fork San Jacinto River - Lake Houston to Conroe Dam	X	X	X	X	80	40	300	5.0	6.5-9.0	200	95
1005	Houston Ship Channel - Morgan's Point to San Jacinto River confluence, including tidal portion of San Jacinto River to 200 yards below I.H. 10 Bridge		X	X					4.0	6.5-9.0	1,000	95
1006	Houston Ship Channel - San Jacinto River confluence to Turning Basin, including tidal portions of tributaries*								2.0	6.5-9.0	2,000	95
1007	Houston Ship Channel - Turning Basin*								1.5	6.5-9.0	2,000	95

* The toxicity clause applies to this segment in order to preserve segment 1005 and Galveston Bay, not this segment, as a fishery resource.

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

SAN JACINTO RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
1008	Spring Creek		X	X	X	80	40	300	5.0	6.5-9.0	2,000	90
1009	Cypress Creek		X	X	X	80	40	300	5.0	6.5-9.0	2,000	90
1010	Caney Creek	X	X	X	X	50	40	300	5.0	6.0-8.5	200	90
1011	Peach Creek	X	X	X	X	50	40	200	5.0	6.0-8.5	200	90
1012	Lake Conroe	X	X	X	X	50	40	200	5.0	6.5-9.0	200	90

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

SAN JACINTO-BRAZOS COASTAL BASIN

SEGMENT NUMBER	SEGMENT DESCRIPTION	WATER USES DEEMED DESIRABLE: CONTACT RECREATION	WATER USES DEEMED DESIRABLE: NONCONTACT RECREATION	WATER USES DEEMED DESIRABLE: PROPAGATION OF FISH & WILDLIFE	WATER USES DEEMED DESIRABLE: DOMESTIC RAW WATER SUPPLY	CRITERIA: CHLORIDE (mg/l) avg. not to exceed	CRITERIA: SULFATE (mg/l) avg. not to exceed	CRITERIA: TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	CRITERIA: DISSOLVED OXYGEN (mg/l) not less than	CRITERIA: pH RANGE	CRITERIA: COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	CRITERIA: TEMPERATURE °F (see Gen. Statement)
1101	Clear Creek Tidal		X	X					4.0	6.5-9.0	2,000	95
1102	Clear Creek - above Tidal		X	X		200	100	600	5.0	6.5-9.0	2,000	95
1103	Dickinson Bayou Tidal	X	X	X					4.0	6.5-9.0	200	95
1104	Dickinson Bayou - above Tidal		X	X		200	100	600	5.0	6.5-9.0	2,000	90
1105	Bastrop Bayou Tidal	X	X	X					4.0	6.5-9.0	200	95
1106	Bastrop Bayou - above Tidal		X	X	X	100	50	500	5.0	6.5-9.0	2,000	90
1107	Chocolate Bayou Tidal	X	X	X					4.0	6.5-9.0	200	95
1108	Chocolate Bayou - above Tidal		X	X		150	50	600	5.0	6.5-9.0	1,000	90
1109	Oyster Creek Tidal		X	X					4.0	6.5-9.0	1,000	95
1110	Oyster Creek - above tidal to Brazos River Authority Diversion dam south of Sugar Land		X	X		300	150	750	5.0	6.5-9.0	2,000	90
1111	Old Brazos River Channel	X	X						4.0	6.5-9.0	200	95

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

SAN JACINTO-BRAZOS COASTAL BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION										FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	
1112	Oyster Creek - Brazos River Authority Diversion dam south of Sugar Land to headwaters	X	X	X	X	300	150	750	5.0	6.5-9.0	200	95
1113	Armand Bayou Tidal	X	X	X					4.0	6.5-9.0	200	95

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

BRAZOS RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION										FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	
1201	Brazos River Tidal	x	x	x					4.0	6.5-9.0	200	95
1202	Brazos River - above tidal to Navasota River confluence	X	X	X	X	300	200	750	5.0	6.5-9.0	200	95
1203	Whitney Reservoir	X	X	X		600	300	1,500	5.0	6.5-9.0	200	93
1204	Brazos River - Whitney Reservoir headwater to de Cordova Bend Dam	X	X	X		600	300	1,600	5.0	6.5-9.0	200	91
1205	Lake Granbury	X	X	X		1,000	600	2,500	5.0	6.5-9.0	200	93
1206	Brazos River - Lake Granbury headwater to Possum Kingdom Reservoir (Morris Sheppard Dam)	X	X	X		600	300	1,600	6.0	6.5-9.0	200	90
1207	Possum Kingdom Reservoir	X	X	X		1,200	500	3,500	5.0	6.5-9.0	200	93
1208	Brazos River - Possum Kingdom headwater to Salt Fork Brazos River confluence	X	X	X		5,000	2,000	12,000	5.0	6.5-9.0	200	95
1209	Navasota River - Brazos River confluence to Lake Mexia	X	X	X	X	100	50	400	5.0	6.5-9.0	200	93

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

BRAZOS RIVER BASIN

SEGMENT NUMBER	SEGMENT DESCRIPTION	WATER USES DEEMED DESIRABLE: CONTACT RECREATION	WATER USES DEEMED DESIRABLE: NONCONTACT RECREATION	WATER USES DEEMED DESIRABLE: PROPAGATION OF FISH & WILDLIFE	WATER USES DEEMED DESIRABLE: DOMESTIC RAW WATER SUPPLY	CRITERIA: CHLORIDE (mg/l) avg. not to exceed	CRITERIA: SULFATE (mg/l) avg. not to exceed	CRITERIA: TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	CRITERIA: DISSOLVED OXYGEN (mg/l) not less than	CRITERIA: pH RANGE	CRITERIA: COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	CRITERIA: TEMPERATURE °F (see Gen. Statement)
1210	Lake Mexia	X	X	X	X	100	50	400	5.0	6.5-9.0	200	90
1211	Yegua Creek - Brazos River confluence to Somerville Reservoir	X	X	X	X	75	75	250	5.0	6.5-9.0	200	91
1212	Somerville Reservoir	X	X	X	X	75	75	250	5.0	6.5-9.0	200	93
1213	Little River - Brazos River confluence to confluence of Leon and Lampasas Rivers	X	X	X	X	75	75	400	5.0	6.5-9.0	200	90
1214	San Gabriel River - Little River confluence to headwater	X	X	X	X	50	50	400	5.0	6.5-9.0	200	91
1215	Lampasas River - Little River confluence to Stillhouse Hollow Dam	X	X	X	X	100	75	500	5.0	6.5-9.0	200	91
1216	Stillhouse Hollow Reservoir	X	X	X	X	100	75	500	5.0	6.5-9.0	200	93
1217	Lampasas River - Headwater of Stillhouse Hollow Reservoir to Lampasas River headwater	X	X	X		200	100	700	5.0	6.5-9.0	200	91

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

BRAZOS RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
1218	Nolan Creek - Leon River confluence to headwater		X	X	X	100	75	500	5.0	6.5-9.0	2,000	93
1219	Leon River - Little River confluence to Belton Reservoir Dam	X	X	X	X	150	75	500	5.0	6.5-9.0	200	91
1220	Belton Reservoir	X	X	X	X	100	75	500	5.0	6.5-9.0	200	93
1221	Leon River - Belton Reservoir headwater to Lake Proctor Dam	X	X	X	X	150	75	500	5.0	6.5-9.0	200	90
1222	Lake Proctor	X	X	X	X	200	75	500	5.0	6.5-9.0	200	93
1223	Leon River - Lake Proctor headwater to Leon Reservoir Dam	X	X	X	X	150	75	500	5.0	6.5-9.0	200	93
1224	Leon Reservoir	X	X	X	X	150	75	500	5.0	6.5-9.0	200	93
1225	Lake Waco	X	X	X	X	60	60	400	5.0	6.5-9.0	200	93

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

BRAZOS RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
1226	Bosque River - Lake Waco headwater to Bosque River headwater, including North, Middle, and South Forks	X	X	X		250	150	800	5.0	6.5-9.0	200	91
1227	Nolands River - Whitney Reservoir to Pat Cleburne Dam		X	X		75	75	500	5.0	6.5-9.0	2,000	95
1228	Lake Pat Cleburne	X	X	X	X	100	100	300	5.0	6.5-9.0	200	93
1229	Paluxy River	X	X	X	X	100	100	450	5.0	6.5-9.0	200	91
1230	Lake Palo Pinto	X	X	X	X	100	100	450	5.0	6.5-9.0	200	93
1231	Lake Graham	X	X	X	X	200	75	500	5.0	6.5-9.0	200	95
1232	Clear Fork Brazos River	X	X	X		800	800	3,000	5.0	6.5-9.0	200	93
1233	Hubbard Creek Reservoir	X	X	X	X	350	75	750	5.0	6.5-9.0	200	93
1234	Lake Cisco	X	X	X	X	75	75	350	5.0	6.5-9.0	200	93

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

BRAZOS RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
1235	Lake Stamford	X	X	X	X	425	350	1,100	5.0	6.5-9.0	200	93
1236	Lake Fort Phantom Hill	X	X	X	X	200	100	600	5.0	6.5-9.0	200	93
1237	Lake Sweetwater	X	X	X	X	175	225	500	5.0	6.5-9.0	200	93
1238	Salt Fork of Brazos River	X	X	X		23,000	4,000	40,000	5.0	6.5-9.0	200	93
1239	White River - Salt Fork Brazos River confluence to White River dam	X	X	X	X	100	100	500	5.0	6.5-9.0	200	92
1240	White River Lake	X	X	X	X	150	100	450	5.0	6.5-9.0	200	89
1241	Double Mountain Fork Brazos River - Salt Fork Brazos River confluence to North Fork Double Mountain Fork Brazos River confluence	X	X	X		2,100	1,900	5,500	5.0	6.5-9.0	200	95
1242	Brazos River - Navasota River confluence to Whitney Dam	X	X	X	X	400	250	1,650	5.0	6.5-9.0	200	95
1243	Salado Creek-Lampasas River confluence to headwaters	X	X	X	X	50	50	300	5.0	6.5-9.0	200	90
1244	Brushy Creek - San Gabriel River confluence to headwaters		X	X	X	125	150	600	5.0	6.5-9.0	1,000	91

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

BRAZOS-COLORADO COASTAL BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	**TEMPERATURE °F (see Gen. Statement)**
NUMBER	DESCRIPTION											
1301	San Bernard River Tidal	X	X	X					4.0	6.5-9.0	200	95
1302	San Bernard River - above tidal	X	X	X	X	100	50	500	5.0	6.5-9.0	200	90
1303	Cedar Lakes *	X	X	X					4.0	6.5-9.0	*	95
1304	Caney Creek Tidal	X	X	X					4.0	6.5-9.0	200	95
1305	Caney Creek - above tidal		X	X		200	75	1,000	5.0	6.5-9.0	2,000	90

* Shellfish sanitation bacteriological standards apply - 70/100 ml total coliform

TEXAS SURFACE WATER QUALITY STANDARDS

BAY & GULF WATERS

EAST MATAGORDA ESTUARY		WATER USES DEEMED DESIRABLE			CRITERIA			
							COLIFORM	TEMP.
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	TOTAL/ (100 ml) - median not more than (see Gen. Statement)	FALL, WINTER & SPRING not to exceed 4°F rise SUMMER not to exceed a 1.5°F rise
2441	East Matagorda Bay	X	X	X	5.0	6.5-9.0	70	95

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

COLORADO RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
1401	Colorado River Tidal	X	X	X					4.0	6.5-9.0	200	95
1402	Colorado River - above tidal to Tom Miller Dam, including Town Lake	X	X	X	X	100	75	500	5.0	6.5-9.0	200	95
1403	Lake Austin	X	X	X	X	100	75	400	5.0	6.5-9.0	200	90
1404	Lake Travis	X	X	X	X	100	75	400	5.0	6.5-9.0	200	90
1405	Lake Marble Falls	X	X	X	X	100	75	400	5.0	6.5-9.0	200	94
1406	Lake Lyndon B. Johnson	X	X	X	X	100	75	400	5.0	6.5-9.0	200	94
1407	Inks Lake	X	X	X	X	100	75	400	5.0	6.5-9.0	200	90
1408	Lake Buchanan	X	X	X	X	100	75	400	5.0	6.5-9.0	200	90
1409	Colorado River - Lake Buchanan headwater to San Saba River confluence	X	X	X	X	200	200	500	5.0	6.5-9.0	200	91

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

COLORADO RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
1410	Colorado River - San Saba River confluence to Concho River confluence	X	X	X	X	450	450	1,500	5.0	6.5-9.0	200	91
1411	E. V. Spence Reservoir	X	X	X	X	950	450	1,500	5.0	6.5-9.0	200	93
1412	Colorado River - FM 2059 near Silver to Lake J. B. Thomas (Colorado River Dam)	X	X	X		11,000	2,500	20,000	5.0	6.5-9.0	200	93
1413	Lake J. B. Thomas	X	X	X	X	50	60	500	5.0	6.5-9.0	200	90
1414	Pedernales River	X	X	X	X	80	50	500	5.0	6.5-9.0	200	91
1415	Llano River	X	X	X	X	50	50	300	5.0	6.5-9.0	200	91
1416	San Saba River	X	X	X	X	80	50	500	5.0	6.5-9.0	200	90
1417	Pecan Bayou - Colorado River confluence to Lake Brownwood Dam		X	X	X	250	200	1,000	5.0	6.5-9.0	1,000	90
1418	Lake Brownwood	X	X	X	X	150	100	500	5.0	6.5-9.0	200	90

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

COLORADO RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
1419	Lake Coleman	X	X	X	X	150	100	500	5.0	6.5-9.0	200	93
1420	Pecan Bayou - above Lake Brownwood	X	X	X		500	500	1,500	5.0	6.5-9.0	200	90
1421	Concho River - Colorado River confluence to Fork in San Angelo, including South Fork to Lake Nasworthy Dam and North Fork to San Angelo Reservoir Dam	X	X	X	X	600	500	2,000	5.0	6.5-9.0	200	90
1422	Lake Nasworthy	X	X	X		450	400	1,500	5.0	6.5-9.0	200	93
1423	Twin Buttes Reservoir	X	X	X	X	150	150	700	5.0	6.5-9.0	200	90
1424	South and Middle Concho Rivers and Spring Creek - above Twin Buttes Reservoir	X	X	X	X	150	150	700	5.0	6.5-9.0	200	90
1425	O. C. Fisher Reservoir	X	X	X	X	150	150	700	5.0	6.5-9.0	200	90
1426	Colorado River - Concho River confluence to E. V. Spence Reservoir (Robert E. Lee Dam)	X	X	X	X	425	750	1,400	5.0	6.5-9.0	200	91

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

COLORADO RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION										FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	
1427	Onion Creek - Colorado River confluence to headwaters	X	X	X	X	50	50	300	5.0	6.5-9.0	200	90

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

COLORADO-LAVACA COASTAL BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION										FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	
1501	Tres Palacios Creek Tidal	X	X	X					5.0	6.5-9.0	200	95
1502	Tres Palacios Creek - above tidal	X	X	X		250	100	600	5.0	6.5-9.0	200	90

TEXAS SURFACE WATER QUALITY STANDARDS
BAY & GULF WATERS

LAVACA-TRES PALACIOS ESTUARY		WATER USES DEEMED DESIRABLE			CRITERIA			
							COLIFORM	TEMP.
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	TOTAL/ (100 ml) - median not more than (see Gen. Statement)	FALL, WINTER & SPRING not to exceed 4°F rise SUMMER not to exceed a 1.5°F rise
2451	Matagorda Bay - including Powderhorn Lake and Turtle Bay	X	X	X	5.0	6.5-9.0	70	95
2452	Tres Palacios Bay	X	X	X	5.0	6.5-9.0	70	95
2453	Lavaca Bay - including Chocolate Bay	X	X	X	5.0	6.5-9.0	70	95
2454	Cox Bay	X	X	X	5.0	6.5-9.0	70	95
2455	Keller Bay	X	X	X	5.0	6.5-9.0	70	95
2456	Carancahua Bay	X	X	X	5.0	6.5-9.0	70	95

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

LAVACA RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
1601	Lavaca River Tidal	X	X	X					4.0	6.5-9.0	200	95
1602	Lavaca River - above tidal to headwater	X	X	X	X	150	75	500	5.0	6.5-9.0	200	91
1603	Navidad River - Lavaca River confluence to headwater	X	X	X	X	150	75	500	5.0	6.5-9.0	200	91

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

LAVACA-GUADALUPE COASTAL BASIN		WATER USES DEEMED DESIRABLE				CRITERIA							
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION										FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	
1701	Victoria Barge Canal - San Antonio Bay to Victoria Turning Basin		X	X					4.0	6.5-9.0	2,000	95

TEXAS SURFACE WATER QUALTIY STANDARDS
FRESH AND TIDAL WATERS

GUADALUPE RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
1801	Guadalupe River Tidal - Guadalupe Bay to Guadalupe-Blanco River Authority salt water barrier	X	X	X					5.0	6.5-9.0	200	95
1802	Guadalupe River - Guadalupe River Authority salt water barrier to San Antonio River confluence	X	X	X	X	100	80	500	5.0	6.5-9.0	200	90
1803	Guadalupe River - San Antonio River confluence to San Marcos River confluence	X	X	X	X	100	50	400	5.0	6.5-9.0	200	93
1804	Guadalupe River - San Marcos River confluence to Comal River confluence	X	X	X	X	80	50	400	5.0	6.5-9.0	200	90
1812*	Guadalupe River - Comal River confluence to Canyon Dam	X	X	X	X	40	40	400	6.0	6.5-9.0	200	90
1805	Canyon Lake	X	X	X	X	40	40	400	5.0	6.5-9.0	200	90

* "This segment has been established in its geographical extent as that portion of the stream which is capable of recharging the Edwards Aquifer, and the Water Quality Standards for it have as a principal purpose the protection of the quality of of the water infiltrating into, and therefore recharging, the aquifer."

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

GUADALUPE RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
1806	Guadalupe River - Canyon Lake headwater to headwater of river	X	X	X	X	40	40	400	5.0	6.5-9.0	200	90
1807	Coleto Creek - Guadalupe River confluence to headwaters	X	X	X	X	250	100	500	5.0	6.5-9.0	200	93
1808	San Marcos River - Guadalupe River confluence to headwater	X	X	X	X	60	50	400	5.0	6.5-9.0	200	90
1809	Blanco River - San Marcos River confluence to Limekiln Road Ford west of Kyle	X	X	X	X	40	50	400	5.0	6.5-9.0	200	92
1813*	Blanco River - Limekiln Road Ford west of Kyle to headwaters	X	X	X	X	25	30	400	5.0	6.5-9.0	200	92
1810	Plum Creek - San Marcos River confluence to headwater		X	X		350	150	1,120	5.0	6.5-9.0	2,000	90

* "This segment has been established in its geographical extent as that portion of the stream which is capable of recharging the Edwards Aquifer, and the Water Quality Standards for it have as a principal purpose the protection of the quality of the water infiltrating into, and therefore recharging, the aquifer."

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

GUADALUPE RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION										FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	
1811	Comal River - Guadalupe River confluence to headwater	X	X	X	X	25	30	400	5.0	6.5-9.0	200	90

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

SAN ANTONIO RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
1901	San Antonio River - Guadalupe River confluence to headwater	*	X	X	X	200	150	700	5.0	6.5-9.0	2,000	90
1902	Cibolo Creek - San Antonio River confluence to MoPac R. R. Bridge West of Bracken		X	X	X	200	300	900	5.0	6.5-9.0	2,000	90
1908**	Cibolo Creek - MoPac R.R. Bridge West of Bracken to headwaters	X	X	X	X	40	75	400	5.0	6.5-9.0	200	90
1903	Medina River - San Antonio River confluence to USGS-TDWR Station 08180500	X	X	X	X	120	120	700	5.0	6.5-9.0	200	90
1909**	Medina River - USGS-TDWR Station 08180500 to Medina Lake Dam	X	X	X	X	50	75	400	5.0	6.5-9.0	200	90
1904	Medina Lake	X	X	X	X	50	75	400	5.0	6.5-9.0	200	88

* Not presently suitable, however, upon completion of proposed facilities, the quality will be improved

** "This segment has been established in its geographical extent as that portion of the stream which is capable of recharging the Edwards Aquifer, and the Water Quality Standards for it have as a principal purpose the protection of the quality of the water infiltrating into, and therefore recharging, the aquifer."

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

SAN ANTONIO RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
1905	Medina River - Medina Lake headwater to Medina River headwater	X	X	X	X	40	100	400	5.0	6.5-9.0	200	88
1906	Leon Creek - Medina River confluence to SH 16 northwest of Leon Valley	X	X	X	X	120	120	700	5.0	6.5-9.0	200	95
1907*	Leon Creek - SH 16 northwest of Leon Valley to headwaters	X	X	X	X	40	75	400	5.0	6.5-9.0	200	95
1910	Salado Creek - San Antonio River confluence to headwaters		X	X	X	50	200	550	5.0	6.5-9.0	2,000	90

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TEXAS SURFACE WATER QUALITY STANDARDS

BAY & GULF WATERS

GUADALUPE ESTUARY

SEGMENT NUMBER	SEGMENT DESCRIPTION	WATER USES DEEMED DESIRABLE: CONTACT RECREATION	WATER USES DEEMED DESIRABLE: NONCONTACT RECREATION	WATER USES DEEMED DESIRABLE: PROPAGATION OF FISH & WILDLIFE	CRITERIA: DISSOLVED OXYGEN (mg/l) not less than	CRITERIA: pH RANGE	CRITERIA: COLIFORM: TOTAL/ (100 ml) - median not more than (see Gen. Statement)	CRITERIA: TEMP.: FALL, WINTER & SPRING not to exceed 4°F rise SUMMER not to exceed a 1.5°F rise
2461	Espiritu Santo Bay - Saluria to Steamboat Pass	X	X	X	5.0	6.5-9.0	70	95
2462	San Antonio Bay including Hynes Bay and Guadalupe Bay	X	X	X	5.0	6.5-9.0	70	95
2463	Mesquite Bay	X	X	X	5.0	6.5-9.0	70	95

TEXAS SURFACE WATER QUALITY STANDARDS

BAY & GULF WATERS

MISSION-ARANSAS ESTUARY		WATER USES DEEMED DESIRABLE			CRITERIA			
							COLIFORM	TEMP.
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	TOTAL/ (100 ml) - median not more than (see Gen. Statement)	FALL, WINTER & SPRING not to exceed 4°F rise SUMMER not to exceed a 1.5°F rise
2471	Aransas Bay	X	X	X	5.0	6.5-9.0	70	95
2472	Copano Bay including Port Bay	X	X	X	5.0	6.5-9.0	70	95
2473	St. Charles Bay	X	X	X	5.0	6.5-9.0	70	95

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

SAN ANTONIO-NUECES COASTAL BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
2001	Mission River Tidal	X	X	X					4.0	6.5-9.0	200	95
2002	Mission River - above tidal*	X	X	X		1,500	100	2,250	5.0	6.5-9.0	200	95
2003	Aransas River Tidal	X	X	X					4.0	6.5-9.0	200	95
2004	Aransas River - above tidal	X	X	X		300	50	600	5.0	6.5-9.0	200	95

* High chlorides are due to residual brines; river quality is improving and adjustments to quality criteria will be made as the river is upgraded.

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

NUECES RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
2101	Nueces River Tidal - Nueces Bay to salt water barrier	X	X	X					5.0	6.5-9.0	200	95
2102	Nueces River - Salt water barrier west of US 77 near Calallen to Wesley Seale Dam	X	X	X	X	250	250	500	5.0	6.5-9.0	200	91
2103	Lake Corpus Christi	X	X	X	X	250	250	500	5.0	6.5-9.0	200	93
2104	Nueces River - Lake Corpus Christi headwater to Holland Dam southeast of Cotulla	X	X	X		700	300	1,500	5.0	6.5-9.0	200	90
2105	Nueces River - Holland Dam southeast of Cotulla to FM 1025 south of Uvalde	X	X	X	X	200	200	900	5.0	6.5-9.0	200	90
2112*	Nueces River - FM 1025 south of Uvalde to headwater	X	X	X	X	40	40	300	5.0	6.5-9.0	200	90

* "This segment has been established in its geographical extent as that portion of the stream which is capable of recharging the Edwards Aquifer, and the Water Quality Standards for it have as a principal purpose the protection of the quality of the water infiltrating into, and therefore recharging, the aquifer."

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

NUECES RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION										FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	
2106	Frio River - Nueces River confluence to US 90 west of Knippa	X	X	X	X	650	500	2,000	5.0	6.5-9.0	200	90
2113*	Frio River - US 90 west of Knippa to headwater	X	X	X	X	25	30	300	5.0	6.5-9.0	200	90
2107	Atascosa River - Frio River confluence to headwater	X	X	X		600	500	1,500	5.0	6.5-9.0	200	90
2108	San Miguel Creek - Frio River confluence to headwater	X	X	X		700	700	2,000	5.0	6.5-9.0	200	95
2109	Leona River - Frio River confluence to headwater	X	X	X		650	500	2,000	5.0	6.5-9.0	200	90
2110	Sabinal River - Frio River confluence to SH 127	X	X	X	X	200	75	700	5.0	6.5-9.0	200	90

* "This segment has been established in its geographical extent as that portion of the stream which is capable of recharging the Edwards Aquifer, and the Water Quality Standards for it have as a principal purpose the protection of the quality of the water infiltrating into, and therefore recharging, the aquifer."

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

NUECES RIVER BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT NUMBER	DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
2111*	Sabinal River - SH 127 to headwaters	X	X	X	X	40	75	500	5.0	6.5-9.0	200	90
2114	Hondo Creek - Frio River confluence to headwaters	X	X	X	X	50	50	270	5.0	6.5-9.0	200	90
2115	Seco Creek - Hondo Creek confluence to headwaters	X	X	X	X	50	60	260	5.0	6.5-9.0	200	90

* "This segment has been established in its geographical extent as that portion of the stream which is capable of recharging the Edwards Aquifer, and the Water Quality Standards for it have as a principal purpose the protection of the quality of the water infiltrating into, and therefore recharging, the aquifer."

TEXAS SURFACE WATER QUALITY STANDARDS

BAY & GULF WATERS

NUECES ESTUARY		WATER USES DEEMED DESIRABLE			CRITERIA			
							COLIFORM	TEMP.
SEGMENT NUMBER	SEGMENT DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	TOTAL/ (100 ml) - median not more than (see Gen. Statement)	FALL, WINTER & SPRING not to exceed 4°F rise SUMMER not to exceed a 1.5°F rise
2481	Corpus Christi Bay	X	X	X	5.0	6.5-9.0	70	95
2482	Nueces Bay	X	X	X	5.0	6.5-9.0	70	95
2483	Redfish Bay	X	X	X	5.0	6.5-9.0	70	95
2484	Corpus Christi Inner Harbor - US 181 bridge to Viola Turning Basin		X	X	3.0	6.5-9.0	1,000	95
2485	Oso Bay	X	X	X	5.0	6.5-9.0	70	95

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

NUECES-RIO GRANDE COASTAL BASIN		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
2201	Arroyo Colorado		X	X					4.0	6.5-9.0	2,000	95

TEXAS SURFACE WATER QUALITY STANDARDS

BAY & GULF WATERS

LAGUNA MADRE ESTUARY

SEGMENT		WATER USES DEEMED DESIRABLE			CRITERIA			
							COLIFORM	TEMP.
NUMBER	DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DISSOLVED OXYGEN (mg/1) not less than	pH RANGE	TOTAL/ (100 ml) - median not more than (see Gen. Statement)	FALL, WINTER & SPRING not to exceed 4°F rise SUMMER not to exceed a 1.5°F rise
2491	Laguna Madre	X	X	X	5.0	6.5-9.0	70	95
2492	Baffin Bay	X	X	X	4.0	6.5-9.0	70	95
2493	South Bay	X	X	X	5.0	6.5-9.0	70	95
2494	Brownsville Ship Channel		X	X	5.0	6.5-9.0	1,000	95

TEXAS SURFACE WATER QUALITY STANDARDS

FRESH AND TIDAL WATERS

RIO GRANDE BASIN*		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM: FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION											
2301	Rio Grande Tidal		X	X					5.0	6.5-9.0	1,000	95
2302	Rio Grande - Tidal to Falcon Dam	X	X	X	X	270	350	880	5.0	6.5-9.0	200	90
2303	Falcon Lake	X	X	X	X	200	250	700	5.0	6.5-9.0	200	93
2304	Rio Grande - Falcon Lake headwater to Amistad Dam	X	X	X	X	200	300	1,000	5.0	6.5-9.0	200	95
2305	Amistad Reservoir	X	X	X	X	150	250	500	5.0	6.5-9.0	200	88
2306	Rio Grande - Amistad Reservoir headwater to Rio Conchos (Mexico) confluence near Presidio	X	X	X	X	200	500	1,200	5.0	6.5-9.0	200	93
2307	Rio Grande - Rio Conchos (Mexico) confluence near Presidio to Riverside Diversion Dam	X	X	X	X	300	550	1,500	5.0	6.5-9.0	200	93

* Since the Rio Grande is an international river, the State will make every effort to improve and/or maintain the quality. However, it must be understood that the State only has jurisdiction on the Texas side of the river.

TEXAS SURFACE WATER QUALITY STANDARDS
FRESH AND TIDAL WATERS

RIO GRANDE BASIN*		WATER USES DEEMED DESIRABLE				CRITERIA						
SEGMENT		CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DOMESTIC RAW WATER SUPPLY	CHLORIDE (mg/l) avg. not to exceed	SULFATE (mg/l) avg. not to exceed	TOTAL DISSOLVED SOLIDS (mg/l) avg. not to exceed	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	COLIFORM	TEMPERATURE °F (see Gen. Statement)
NUMBER	DESCRIPTION										FECAL/ (100ml) - log. avg. not more than (see Gen. Statement)	
2308	Rio Grande - Riverside Diversion Dam to New Mexico		X	X	X	500	700	1,800	5.0	6.5-9.0	2,000	95
2309	Devils River - Amistad Reservoir headwater to river headwater	X	X	X	X	20	20	300	6.0	6.5-9.0	200	90
2310	Pecos River - Amistad Reservoir headwater to county road low water crossing near Pandale	X	X	X	X	1,000	500	3,000	5.0	6.5-9.0	200	92
2311	Pecos River - County road low water crossing near Pandale to Red Bluff Dam	X	X	X		7,000	3,500	15,000	5.0	6.5-9.0	200	92
2312	Red Bluff Reservoir	X	X	X		6,000	3,500	15,000	5.0	6.5-9.0	200	90

* Since the Rio Grande is an international river, the State will make every effort to improve and/or maintain the quality. However, it must be understood that the State only has jurisdiction on the Texas side of the river.

TEXAS SURFACE WATER QUALITY STANDARDS

BAY & GULF WATERS

GULF OF MEXICO

SEGMENT		WATER USES DEEMED DESIRABLE			CRITERIA			
							COLIFORM	TEMP.
NUMBER	DESCRIPTION	CONTACT RECREATION	NONCONTACT RECREATION	PROPAGATION OF FISH & WILDLIFE	DISSOLVED OXYGEN (mg/l) not less than	pH RANGE	TOTAL/ (100 ml) - median not more than (see Gen. Statement)	FALL, WINTER & SPRING not to exceed 4°F rise SUMMER not to exceed a 1.5°F rise
2501	Gulf of Mexico - beginning at Gulf shoreline and extending to the limit of Texas' jurisdiction, from Sabine Pass to Brazos Santiago Pass	X	X	X	5.0	6.5-9.0	70	95

Appendix A.

Base Flow Conditions

The base flow value listed for each station represents the calculated seven-day two-year low flow value. The seven-day two-year low flow is the minimal seven-day average flow that could be expected to recur with a frequency of once every two-years. The calculated values were based on stream discharge data taken from United States Geological Survey Gauging Stations for the period of record at the existing hydrological conditions.

Where USGS Stream Gauging Stations were not present, the base flow values were estimated by using data from nearby stations with similar hydrological characteristics or from the best information available.

BASE FLOW CONDITIONS
FOR EACH
MONITORING STATION

Segment Number	Station Number	Base Flow (cfs)
0101	0101.0100	0.1
	0101.0200	0.1
	0101.0300	0.1
0103	0103.0100	0.9
	0103.0200	0.1
0104	0104.0100	0.2
0201	0201.0100	2337.1
	0201.0200	1892.0
0202	0202.0100	1890.0
	0202.0200	1097.4
0204	0204.0100	162.1
	0204.0200	113.9
0205	0205.0100	11.7
0206	0206.0100	0.1
0207	0207.0100	0.3
0211	0211.0100	0.1
0214	0214.0100	66.3
	0214.0200	35.2
0216	0216.0100	2.8
0218	0218.0100	0.1
	0218.0200	0.1
	0218.0300	0.1
0220	0220.0050	0.1
	0220.0100	0.1
	0220.0200	0.1
	0220.0300	0.1
0221	0221.0100	0.1

BASE FLOW CONDITIONS
FOR EACH
MONITORING STATION
(CONT.)

Segment Number	Station Number	Base Flow (cfs)
0222	0222.0100	2.7
0224	0224.0100	0.1
	0224.0200	0.1
0225	0225.0100	0.1
0301	0301.0100	10.0
0303	0303.0100	1.1
	0303.0200	0.8
	0303.0300	0.1
	0303.0400	0.1
	0303.0500	0.1
0304	0300.0100	0.1
0402	0402.0100	29.0
0404	0404.0100	3.3
0406	0406.0100	0.1
0407	0407.0100	0.1
0502	0502.0200	850.0
0503	0503.0100	668.9
	0503.0200	387.1
	0503.0300	158.3
0505	0505.0100	41.0
	0505.0200	35.7
	0505.0300	34.0
	0505.0400	32.0
	0505.0500	28.0
0506	0506.0100	27.4
	0506.0200	18.5
0602	0602.0100	348.0
	0602.0200	131.1
0604	0604.0100	53.7
	0604.0200	33.2
	0604.0300	26.0
	0604.0500	21.2
	0604.0600	20.0

BASE FLOW CONDITIONS
FOR EACH
MONITORING STATION
(CONT.)

Segment Number	Station Number	Base Flow (cfs)
0606	0606.0200	16.0
0607	0607.0100	100.0
0608	0608.0100	80.0
0609	0609.0100	50.0
0611	0611.0100	45.3
0612	0612.0100	17.7
0701	0701.0100	38.4
0802	0802.0100	781.4
	0802.0200	543.8
0804	0804.0300	495.8
	0804.0400	449.8
	0804.0500	431.0
	0804.0600	416.4
0805	0805.0100	381.7
	0805.0200	362.7
	0805.0300	343.7
	0805.0400	147.6
	0805.0500	75.0
	0805.0600	26.0
	0805.0700	4.5
0806	0806.0100	4.5
	0806.0200	3.0
0808	0808.0100	0.5
0810	0810.0100	2.6
0812	0812.0100	0.1
0814	0814.0100	0.1
	0814.0200	0.1
0819	0819.0100	23.3
0822	0822.0100	34.0
	0822.0200	18.0

BASE FLOW CONDITIONS
FOR EACH
MONITORING STATION
(CONT.)

Segment Number	Station Number	Base Flow (cfs)
0824	0824.0100	1.4
0825	0825.0100	5.3
0829	0829.0100	0.1
0831	0831.0100	0.1
0833	0833.0100	0.1
0902	0902.0100	1.1
1003	1003.0100	9.9
1004	1004.0100	27.6
1008	1008.0025	10.0
	1008.0100	7.9
1009	1009.0050	0.2
	1009.0100	0.2
	1009.0200	0.2
	1009.0300	0.1
1010	1010.0100	9.7
1011	1011.0100	7.2
1102	1102.0050	1.5
	1102.0100	1.0
	1102.0200	0.2
	1102.0300	0.1
1104	1104.0100	1.5
1106	1106.0150	0.1
1108	1108.0100	2.0
1110	1110.0100	29.1
1112	1110.0100	29.1
1202	1202.0100	839.1

BASE FLOW CONDITIONS
FOR EACH
MONITORING STATION
(CONT.)

Segment Number	Station Number	Base Flow (cfs)
1204	1204.0100	11.8
1206	1206.0100	34.0
	1206.0300	32.4
1208	1208.0100	3.8
	1208.0200	1.8
	1208.0300	0.1
1209	1209.0100	1.5
	1209.0200	1.3
	1209.0300	0.1
1211	1211.0100	0.1
1213	1213.0100	54.8
1214	1214.0100	4.0
	1214.0200	2.1
	1214.0300	1.1
1215	1215.0100	4.2
1217	1217.0100	30.3
1218	1218.0100	32.0
	1218.0200	17.7
1219	1219.0100	47.0
	1219.0200	54.4
1221	1221.0100	2.2
	1221.0300	0.1
1223	1223.0100	0.1
1226	1226.0100	1.4
	1226.0150	0.1
	1226.0300	0.1
	1226.0400	0.1
	1226.0500	0.1
1227	1227.0100	0.1

BASE FLOW CONDITIONS
FOR EACH
MONITORING STATION
(CONT.)

Segment Number	Station Number	Base Flow (cfs)
1229	1229.0100	1.2
1232	1232.0150	0.1
	1232.0200	0.1
	1232.0300	0.1
	1232.0400	0.1
	1232.0450	0.1
1238	1238.0200	0.1
	1238.0300	0.1
	1238.0400	0.1
1239	1239.0100	0.1
1241	1241.0100	0.1
1242	1242.0200	566.1
	1242.0300	461.8
	1242.0400	356.9
	1242.0500	178.2
	1242.0600	128.6
	1242.0700	112.0
1243	1200.2500	25.0
1244	1200.1300	5.1
1302	1302.0100	8.7
1305	1305.0750	10.0
1402	1402.0100	393.2
	1402.0200	290.7
	1402.0300	261.8
	1402.0400	232.7
	1402.0500	203.7
	1402.0600	139.3
	1402.0700	74.8
1409	1409.0100	27.1
1410	1410.0100	1.1
	1410.0125	0.6
	1410.0300	0.3
1412	1412.0100	0.1
	1412.0200	0.1

BASE FLOW CONDITIONS
FOR EACH
MONITORING STATION
(CONT.)

Segment Number	Station Number	Base Flow (cfs)
1414	1414.0100	3.3
	1414.0200	0.5
1415	1415.0100	30.7
	1415.0200	23.4
1416	1416.0100	25.8
	1416.0200	1.6
1417	1417.0100	2.2
	1417.0200	0.1
1420	1420.0100	0.1
1421	1421.0100	0.1
	1421.0200	0.1
	1421.0300	0.1
1424	1424.0100	4.1
	1424.0200	0.1
	1400.0300	0.1
1426	1426.0100	0.3
1427	1427.0100	1.5
1502	1502.0100	50.0
1602	1602.0100	12.5
	1602.0200	0.6
1603	1603.0100	7.9
	1603.0200	3.7
1802	1802.0100	662.0
1803	1803.0100	564.8
	1803.0200	542.7
1804	1804.0100	385.14
1806	1806.0200	22.2
	1806.0300	25.1
1807	1807.0100	10.0
	1807.0200	7.0

BASE FLOW CONDITIONS
FOR EACH
MONITORING STATION
(CONT.)

Segment Number	Station Number	Base Flow (cfs)
1808	1808.0100	152.0
	1808.0200	150.0
	1808.0300	149.0
1809	1809.0100	10.9
1810	1810.0100	1.6
1811	1811.0100	253.8
1812	1812.0100	65.6
1813	1813.0200	14.8
1901	1901.0100	120.1
	1901.0200	100.0
	1901.0300	80.3
1902	1902.0100	9.8
	1902.0250	0.6
1903	1903.0100	34.8
	1903.0200	44.2
1905	1905.0100	6.6
	1905.0200	2.1
1906	1906.0100	10.0
1907	1907.0100	0.1
1908	1908.0100	0.1
1909	1909.0100	14.8
1910	1900.0100	8.5
	1900.0170	0.1
2002	2002.0100	2.4
2004	2004.0100	5.0
2102	2102.0100	48.4
2104	2104.0100	0.3
	2104.0200	0.1
	2104.0300	0.1

BASE FLOW CONDITIONS
FOR EACH
MONITORING STATION
(CONT.)

Segment Number	Station Number	Base Flow (cfs)
2105	2105.0505	0.1
	2105.0100	0.1
2106	2106.0150	0.1
	2106.0200	0.1
2107	2107.0100	0.5
	2107.0200	0.1
2108	2108.0100	0.1
2109	2109.0100	0.1
	2109.0200	0.1
2110	2110.0100	0.1
2111	2111.0100	0.1
2112	2112.0100	3.0
	2112.0200	6.3
	2112.0300	23.6
2113	2113.0100	22.9
2114	2114.0100	0.1
2115	2115.0100	0.1
2302	2302.0100	2.1
	2302.0150	28.2
	2302.0200	35.3
	2302.0250	26.0
	2302.0300	18.0
2304	2304.0050	233.0
	2304.0075	233.0
	2304.0100	233.0
	2304.0150	187.0
	2304.0200	187.0
	2304.0250	142.0
	2304.0300	48.4

BASE FLOW CONDITIONS
FOR EACH
MONITORING STATION
(CONT.)

Segment Number	Station Number	Base Flow (cfs)
2306	2306.0100	287.0
	2306.0130	198.0
	2306.0160	108.0
	2306.0250	74.3
	2306.0300	40.7
2307	2307.0050	0.1
2308	2308.0100	0.1
	2308.0200	0.1
2309	2309.0100	116.0
2310	2310.0100	58.0
2311	2311.0100	39.3
	2311.0200	9.9
	2311.0300	4.8

Appendix B.
Segment Descriptions

SEGMENT DESCRIPTIONS

SEGMENT	DESCRIPTION
0101	Canadian River - Oklahoma to Lake Meredith (Sanford Dam)
0102	Lake Meredith - from Sanford Dam to the 2940' contour line 7.3 miles south of the Moore-Potter County line and 7.1 miles west of State Highway 136 in Potter County. Impounds Canadian River.
0103	Canadian River - Lake Meredith headwater at the 2940' contour line 7.3 miles south of the Moore-Potter County line and 7.1 miles west of State Highway 136 in Potter County to New Mexico.
0104	Wolf Creek from the Texas-Oklahoma border to headwaters @ 3,000' contour line approximately 3.9 miles due West of SH 70 and approximately 15.8 miles east of Spearman in Ochiltree County (Spearman in Hansford County).
0105	Rita Blanca Lake - from Rita Blanca Dam to the 3860' contour line .4 mile downstream from US 54 in Hartley County. Impounds Rita Blanca Creek.
0201	Red River - Arkansas State Line at Index to Oklahoma State Line.
0202	Red River - Oklahoma State Line to Lake Texoma
0203	Lake Texoma - from Denison Dam to the 640' contour line 1.3 miles west of FM 371, 8.6 miles north of US 82 and 7.0 miles downstream from IH 35 in Cooke County. Impounds Red River.
0204	Red River - Lake Texoma headwater at the 640' contour line 1.3 miles west of FM 371, 8.6 miles north of US 82 and 7.0 miles downstream from IH 35 in Cooke County to Wichita River confluence.
0205	Red River - Wichita River confluence to Pease River confluence.
0206	Red River - Pease River confluence to Prairie Dog Town Fork Red River confluence.
0207	Prairie Dog Town Fork of the Red River from confluence of Red River to Lake Tanglewood Dam in Randall County; approximately 10.4 miles northeast of Canyon.
0208	Lake Crook - from Crook Dam to the 476' contour line .8 mile downstream from FM 79 in Lamar County. Impounds Pine Creek.
0209	Lake Pat Mayse - from Pat Mayse Dam to the 451' contour line approximately 350 yards below FM 1499 in Lamar County. Impounds Sanders Creek.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
0210	Farmers Creek Reservoir (Lake Nocona) - from Farmers Creek Dam to the 827' contour line 2.8 miles downstream from FM 1956 in Montague County. Impounds Farmers Creek.
0211	Little Wichita River from confluence of Red River to Lake Arrowhead Dam
0212	Lake Arrowhead - from Lake Arrowhead Dam to US 281 in Archer County. Impounds Little Wichita River.
0213	Lake Kickapoo - from Kickapoo Dam to the 1045' contour line 4.5 miles north of FM 422, 7.5 miles south of US 82-277, and 4.1 miles east of the Archer-Baylor County line in Archer County. Impounds North Fork of Little Wichita River.
0214	Wichita River - Red River confluence to Diversion Dam
0215	Diversion Lake - From Diversion Dam to a point 1.0 mile downstream from the confluence with Cottonwood Creek in Baylor County. Impounds Wichita River.
0216	Wichita River - Diversion Lake headwater at a point 1 mile downstream from the confluence with Cottonwood Creek in Baylor County to Lake Kemp Dam.
0217	Lake Kemp - from Lake Kemp Dam to a point at the 1145' contour line 1.8 miles upstream from the confluence with Crooked Creek, 1.5 miles north of FM 1919 in Baylor County. Impounds Wichita River.
0218	Wichita River - Lake Kemp headwater at a point at the 1145' contour line 1.8 miles upstream from the confluence with Crooked Creek, 1.5 miles north of FM 1919 in Baylor County to River headwater, including North, Middle, and South Forks. North Fork ends at a point 5.9 miles south of Motley-Dickens County line and 2.2 miles west of Hwy 193 in Dickens County. Middle Fork ends at a point 1.1 miles east of US 83 and 4.5 miles south of Cottle-King County line in King County. South Fork ends at a point .9 mile northeast of FM 2941 and 4.4 miles south of FM 193 in Dickens County.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
0219	Lake Wichita from the Wichita Dam to the 980' contour line approximately 350 yards upstream from the FM 2650 Bridge and .4 mile south of the Archer-Wichita County line in Archer County. Impounds Holiday Creek.
0220	Pease River from Red River confluence to headwaters in Floyd County @ the 2850' contour line; approximately 1.4 miles west of the Floyd-Motley County line; approximately 15.2 miles south of Floyd-Briscoe County line; approximately 18.2 miles north of Crosby-Floyd County line.
0221	Pease River-Middle and South Forks Pease River from North Fork Pease River confluence to the headwater (of the Middle Pease) 3.5 miles east of the Floyd-Motley County line at the 2600' contour level, 15.2 miles north of the Motley-Dickens County line, and 18 miles south of the Briscoe-Motley County line.
0222	Salt Fork Red River - Oklahoma to Greenbelt Reservoir Dam.
0223	Greenbelt Lake - from Greenbelt Dam to the confluence with Allen Creek 3.5 miles west of SH 70 and 4.4 miles north of US 287 in Donley County. Impounds Salt Fork of Red River.
0224	North Fork Red River from Texas - Oklahoma State Line to headwaters in Gray County approximately 1 mile east of Carson-Gray County line and approximately 1.4 miles west of State Farm-Market Route 2300 @ the 3260' contour line; 15.4 miles south of Gray-Roberts County line.
0225	McKinney Bayou from Arkansas State Line to a point approximately 1 mile north of Ranch Road 1398 and approximately 1.1 miles East of 94° 15' longitude in Bowie County.
0301	Sulphur River - Arkansas to Lake Wright Patman Dam.
0302	Lake Wright Patman - from Wright Patman to 94° 30' west longitude on the Cass-Bowie County line approximately 2.4 miles south of Simms, Texas. Impounds Sulphur River.
0303	Sulphur River above Lake Wright Patman including North, Middle, and South Sulphur Rivers. North Fork ends at 650' contour line approximately 3.7 miles west of SH 68 and 2.0 miles north of SH 1281 in Fannin County, approximately 2.8 miles Southwest of Gober, Texas. South Fork ends at a point approximately .4 mile East of SH 1553.
0304	Day's Creek from Arkansas State Line in Bowie County to headwaters.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
0401	Caddo Lake - from the Texas-Louisiana Border to a point approximately .4 miles upstream from the confluence with Kitchen Creek, 3.2 miles west of the Texas-Louisiana Border on the Harrison-Marion County Line. Impounds Cypress Bayou (lake impounded by Caddo Dam in Louisiana).
0402	Cypress Creek (Also called Big Cypress Creek) above Caddo Lake (at a point approximately .4 mile upstream from the confluence of Kitchen Creek, 3.2 miles West of the Texas-Louisiana Border, and 2.1 miles NNW of the Northern most point of Pine Island Bayou) to Lake O' the Pines Dam.
0403	Lake O' the Pines - from Ferrell's bridge Dam to .7 miles downstream from the US 259 bridge on the Upshur-Morris County line. Impounds Cypress Creek.
0404	Cypress Creek above Lake O' the Pines (at a point .7 mile downstream from US 259 Bridge on the Upshur-Morris County line and .3 mile South of the Camp-Upshur County line at its point of confluence with Big Cypress Creek) to Franklin County Dam.
0405	Cypress Springs Lake - from Franklin County Dam to SH 37 (385' contour line) in Franklin County. Impounds Big Cypress Creek.
0406	Black Bayou from Texas-Louisiana State Line to the confluence of Kite and Butler Creeks in Cass County .6 mile North of SH 2791 and 3.9 miles West of SH 59.
0407	James' (Jim's) Bayou from Texas-Louisiana State Line to a point 1.8 miles West of SH 8 and 11 miles South of SH 77 in Cass County.
0501	Sabine River Tidal from the mouth of Sabine River at the northernmost point of Sabine Island .4 mile upstream from the confluence of Black Bayou and 5.0 miles east of SH 87 in Orange County to Morgan's Bluff 2.6 miles east of SH 87 and 2.4 miles south of the Newton-Orange County Line in Orange County.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
0502	Sabine River - Morgan's Bluff 2.6 miles east of SH 87 and 2.4 miles south of the Newton-Orange County line to the Sabine River Authority Pump Station 3.2 miles upstream from Morgan's Bluff and .9 mile south of the Newton-Orange County line in Orange County.
0503	Sabine River - Sabine River Authority Pump Station 3.2 miles upstream from Morgan's Bluff to Toledo Bend Dam.
0504	Toledo Bend Reservoir - from Toledo Bend Dam to a point 4.7 miles downstream from FM 2517 in Panola County. Impounds Sabine River.
0505	Sabine River - Toledo Bend headwater 4.7 miles downstream from FM 2517 in Panola County to US 271 - 1.3 miles southwest of Gladewater in Gregg County.
0506	Sabine River - US 271, 1.3 miles southeast of Gladewater in Gregg County to Lake Tawakoni.
0507	Lake Tawakoni - from the Iron Bridge Dam to the 440' contour lines on the South Fork and Cowleech Fork of the Sabine River and Caddo Creek.
0508	Adams Bayou Tidal from the confluence with the Sabine River 1.7 miles downstream from the FM 1006 Bridge near Orange in Orange County to a point .7 miles upstream from the IH 10 Bridge in Orange County.
0509	Murvaul Lake - from Murvaul Dam to a point 2.8 miles south of SH 315 and 4.8 miles east of the Rusk - Panola County line in Panola County. Impounds Murvaul Bayou.
0510	Cherokee Lake - from Cherokee Dam to a point .9 mile downstream from SH 322 in Rusk County. Impounds Cherokee Bayou.
0511	Cow Bayou Tidal from the Sabine River confluence to IH 10 in Orange County.
0601	Neches River Tidal - from 1.5 miles downstream of SH 87 (Rainbow) Bridge in Jefferson County to the temporary salt water barrier 7.0 miles upstream from the IH 10 Bridge in Orange County.
0602	Neches River above Tidal - from the temporary salt water barrier 7.0 miles upstream from the IH 35 Bridge in Orange County to Town Bluff Dam (Dam B) in Jasper County.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
0603	B. A. Steinhagen Lake - from Town Bluff Dam (Dam B) to the headwaters on the Neches River 6.2 miles upstream from US 190 on the Jasper-Tyler County line (measured at the Neches River channel), and to its headwaters on the Angelina River approximately 5.3 miles downstream from the Bevilport townsite in Jasper County. Impounds Neches and Angelina Rivers.
0604	Neches River - Steinhagen Reservoir headwater 6.2 miles upstream from US 190 on the Jasper-Tyler County line (measured at river channel) to Blackburn Crossing Dam.
0605	Lake Palestine - from Blackburn Crossing Dam to the headwaters .9 mile upstream from SH 31 on the Henderson-Smith County line. Impounds Neches River.
0606	Neches River above Lake Palestine (.9 mile upstream from SH 31 Bridge at the Smith-Henderson County line) to Ryan's Lake Dam.
0607	Pine Island Bayou from the confluence of Pine Island Bayou and the Neches River to a point 1.8 miles south of Fuqua and 1.7 miles west of Liberty-Hardin County line in Liberty County.
0608	Village Creek from its confluence with Neches River and Jasper/Orange/Hardin County line to Kimble Lake Dam in Wildwood Resort City approximately 3.6 miles west of Village Mills in Hardin County.
0609	Angelina River from Steinhagen Reservoir confluence (approximately 5.3 miles downstream from the Bevilport town site in Jasper County) to Sam Rayburn Dam.
0610	Sam Rayburn Reservoir - from Sam Rayburn Dam to the headwater at the 164' contour line 1.5 miles downstream from the confluence of Papermill Stream with the Angelina River in Angelina County. Impounds Angelina River.
0611	Angelina River above Sam Rayburn Reservoir to the confluence of Scooba Creek and Shawnee Creek with the Angelina River 3.4 miles west of intersection of FM 225 and 1798 in Laneville and .4 mile north of FM 1798 in Rusk County.
0612	Attoyac Bayou from a point 1.7 miles east of FM 95, .1 mile west of FM 1196, and 4.5 miles north of US 103 on the Nacogdoches-San Augustine County line and end 3 miles east southeast of the intersection of Hwy 95 and 315 and 2.6 miles north of US Hwy 84 in Rusk County.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
0613	Lake Tyler - from Whitehouse and Mud Creek Dams to a point 1.6 miles downstream from SH 64 in Smith County. Portion of the Lake formerly known as Lake Tyler East ends .7 mile east of FM 2607 and 1.4 miles north of SH 64 in Smith County. Impounds Whitehouse and Mud Creeks.
0614	Lake Jacksonville - from Buckner Dam (Gum Creek) to a point approximately .2 mile downstream from US 79 in Cherokee County. Impounds Gum Creek.
0701	Taylor Bayou above Tidal - from the salt water lock and gate structure 5.75 miles downstream from the SH 73 bridge in Jefferson County to the LNVA Channel in Jefferson County 0.8 mile west of FM 1406 and 4 miles north of Jefferson-Chambers County line.
0702	Intracoastal Waterway - Port Bolivar to Sabine-Neches Canal from the SH 87 bridge across the Intracoastal Canal in Port Arthur to the confluence of Houston Ship Channel .8 mile east of the end of SH 87 at the ferry landing on Bolivar Peninsula.
0703	Sabine-Neches Canal - south tip of Pleasure Island to 1.5 miles downstream from the SH 87 (Rainbow) bridge and .2 mile west of Stewt's Island.
0801	Trinity River Tidal from the confluence of Trinity River and Anahuac Channel in Chambers County at Anahuac to a point 1.9 miles downstream from US 90 bridge at Liberty which is the confluence of the Trinity River and Liberty Barge Canal in Liberty County.
0802	Trinity River from the end of tidal zone (Segment 0801) to Livingston Dam.
0803	Lake Livingston - from Livingston Dam to a point 1.1 miles downstream from the confluence with Boggy Creek and 1.1 miles downstream from confluence with Lower Keechi Creek in Leon County. Impounds Trinity River.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
0804	Trinity River - Lake Livingston headwater 1.1 miles upstream from the confluence of Boggy Creek and 1.1 miles downstream from confluence of Lower Keechi Creek in Leon County to SH 31 2.0 miles West of Trinidad.
0805	Trinity River - SH 31 2.0 miles West of Trinidad to Beach Street Bridge in Fort Worth.
0806	West Fork Trinity River - Beach Street Bridge in Fort Worth to Lake Worth Dam.
0807	Lake Worth - from Lake Worth Dam to a point 1 mile downstream from Eagle Mountain Dam. Impounds West Fork Trinity River.
0808	West Fork Trinity River - Lake Worth headwater 1 mile downstream from Eagle Mountain Dam to Eagle Mountain Dam.
0809	Eagle Mountain Reservoir - from Eagle Mountain Dam to the 650' contour line 2.1 miles west of FM 718, .6 mile east of FM 730 and 3.1 miles south southeast of intersection of SH 114 and 730 in Boyd, Texas in Wise County, Impounds West Fork Trinity River.
0810	West Fork Trinity River - Eagle Mountain Lake headwater at the 650 ft. contour line 2.1 miles west of FM 718, .6 mile east of FM 730 and 3.1 miles south southeast of intersection of SH 114 and 730 in Boyd, Texas in Wise County to Bridgeport Dam.
0811	Lake Bridgeport - from Bridgeport Dam to the confluence of Bear Hollow (Davis Hollow) 8.5 miles west of the Jack-Wise County line. Impounds West Fork Trinity River.
0812	West Fork Trinity River above Lake Bridgeport at the confluence of Bear Hollow (Davis Hollow) 8.5 miles west of the Jack-Wise County line to a point .1 mile north of SH 79, 1.3 miles north of the Archer-Young County line, approximately 2.6 miles west of the FM 2178, and .2 mile south of the 33° 25' latitude in Archer County.
0813	Lake Houston County - from Houston County Dam to a point 3.2 miles south of FM 227 and 3.9 west of US 287 in Houston County. Impounds Elkhart Creek.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
0814	Chambers-Richland Creek from confluence with Trinity River (including Richland Creek from confluence with Chambers to confluence with Trinity in Freestone County) to the conservation dam on the South Fork 2.4 miles west of the intersection of FM 110 and 916, 1.0 mile south of FM 110, and 1.2 miles north of FM 916 in Johnson County.
0815	Lake Bardwell - from Bardwell Dam to the 420' contour line 1.6 miles south of US 287, 2.5 miles north of FM 984 and 5.1 miles west of SH 34 in Ellis County. Impounds Waxahachie Creek.
0816	Lake Waxahachie - from South Prong Dam to Waxahachie City Boundary .1 mile east of IH 35 east in Ellis County. Impounds South Prong Creek.
0817	Lake Navarro Mills - from Navarro Mills Dam to a point 1.1 miles east of the Hill-Navarro County line and 1.5 miles southwest of the intersection of FM 639 and FM 744 in Emmett, and .5 mile south of FM 744, Navarro County. Impounds Richland Creek.
0818	Cedar Creek Reservoir - from Joe B. Hogsett Dam to the 322' contour line .3 mile north of US 175, 1.4 mile south of FM 1391 and 2.8 miles east southeast of the intersection of FM 1391 and US 175 in Kemp-Kaufman County. Impounds Cedar Creek.
0819	East Fork Trinity River - Trinity River confluence to Rockwall-Forney Dam.
0820	Lake Ray Hubbard (formerly Forney Reservoir) - from Rockwall - Forney Dam to SH 78, .6 mile downstream from Lavon Dam in Collin County. Impounds East Fork Trinity River.
0821	Lake Lavon - from Lavon Dam to the 475' contour line (spillway crest of the dam) .7 mile downstream from US 380 on the Pilot Grove Creek Arm in Collin County. Impounds East Fork Trinity River.
0822	Elm Fork Trinity River - West Fork Trinity River confluence to Lewisville Dam.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
0823	Lake Lewisville (called also Lake Dallas and Garza Little Elm) - from Lewisville Dam to a point on the Elm Fork .9 mile south of US 380 and 3.7 miles east of SH 288 in Denton County. Impounds Elm Fork and Trinity River.
0824	Elm Fork Trinity River above Lake Lewisville at a point .9 mile south of US 380 and 3.7 miles east of SH 288 in Denton County to a point .6 mile south of US 82, .9 mile north of SH 59 and 2.1 miles west northwest of the intersection of US 82 and 677 in Saint Jo, Montague County.
0825	Denton Creek from Grapevine Dam to Elm Fork confluence.
0826	Lake Grapevine - from Grapevine Dam to the 540' contour line 3 miles upstream (.9 mile west) from US 377 in Denton County. Impounds Denton Creek.
0827	White Rock Lake - from White Rock Dam to the 460' contour line .04 mile east of Abram Road and 1.2 miles north of Loop 12 (northwest Highway) in Dallas. Impounds White Rock Creek.
0828	Lake Arlington - from Arlington Dam to a point .02 mile upstream from US 287 in Tarrant County. Impounds Village Creek.
0829	Clear Fork Trinity River - West Fork Trinity River confluence to Benbrook Dam.
0830	Lake Benbrook - from Benbrook Dam to a point .1 mile downstream from US 377 across the Clear Fork of the Trinity River in Tarrant County. Impounds Clear Fork Trinity River.
0831	Clear Fork Trinity River - Benbrook Reservoir headwater .1 mile downstream from US 377 Bridge across the Clear Fork in Tarrant County to Weatherford Dam.
0832	Lake Weatherford - from Weatherford Dam to a point 1.9 miles upstream from FM 1707 Bridge across Lake Weatherford in Parker County. Impounds Clear Fork Trinity River.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
0833	Clear Fork Trinity River - above Lake Weatherford 1.9 miles upstream from FM 1707 Bridge across Lake Weatherford to a point .7 mile south of FM 3107, 4.4 miles east of 98° longitude, .6 mile south southeast of Lone Star Church, and .03 mile east of Lone Star Church County Road, Parker County Texas.
0834	Lake Amon G. Carter - from Amon G. Carter Dam to a point 2.8 miles east of the Clay-Montague County line and 4.3 miles north of the Montague-Jack County line in Montague County. Impounds Big Sandy Creek.
0901	Cedar Bayou tidal from a point 0.7 mile downstream from Tri-City Beach Road drawbridge on the Harris-Chambers County line to a point 1.4 miles upstream from the IH 10 Bridge.
0902	Cedar Bayou - above tidal from approximately 1.4 miles upstream from IH 10 Bridge in Chambers County to a point 2.5 miles east of the Harris/Liberty County line, 2.4 miles north of FM 1960, 1.4 miles west of 95° longitude at a point where Cedar Bayou divides in Liberty County.
1001	San Jacinto River Tidal - from approximately 200 yards below IH-10 in Harris County to Lake Houston Dam.
1002	Lake Houston - from Lake Houston Dam to a point in Montgomery County on the West Fork of the San Jacinto at the 45' contour line 3.0 miles upstream from US 59 Bridge (Bridge in Harris County). Impounds San Jacinto River.
1003	East Fork San Jacinto River - above Lake Houston from a point 4.4 miles downstream from Houston City Boundary at Lake Houston, .5 mile east of the end of Dunnam Road and 2.7 miles south of the Harris/Montgomery County line, .4 mile southeast of Champion Rod and Gun Club Roads and end at a dam .2 mile east of SH 405, .1 mile northeast of the Dodge Jr. High School, 1.6 miles north of US 190 in Walker County.
1004	West Fork San Jacinto River - from Lake Houston at a point in Montgomery County 3.0 miles upstream from the US 59 Bridge (in Harris County) to Conroe Dam.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
1005	Houston Ship Channel from Morgan's Point Channel light .4 mile north of the Harris-Chambers County line to a point in mid-channel due north of the SH 134 ferry landing at San Jacinto confluence and including the tidal portion of the San Jacinto River to approximately 200 yards below IH 10 Bridge.
1006	Houston Ship Channel - San Jacinto River confluence at a point in mid-channel due north of the south ferry landing on SH 134 to the Turning Basin at a point in mid-channel approximately 200 yards northeast of the end of 75th Street in Houston and including tidal portions of tributaries.
1007	Houston Ship Channel-Turning Basin from end of Segment 1006.
1008	Spring Creek from confluence with Lake Houston (West Fork San Jacinto River) .6 mile upstream from US 59 Bridge to a point 4.2 miles west of State Hwy 362 and 4.1 miles south of Grimes-Waller County line.
1009	Cypress Creek - from the confluence with Spring Creek in Harris County to the confluence of Snake Creek and Mound Creek .5 mile west of the Harris-Waller County line and 4.0 miles east of FM 362 in Waller County.
1010	Caney Creek - Lake Houston headwater 1.2 miles upstream from the Montgomery-Harris County line in Harris County to a point .7 mile east of SH 758 2.2 miles northeast of the intersection of FM 1375 and US 75 in New Waverly, Walker County.
1011	Peach Creek from the confluence of Caney Creek .7 mile west northwest of Montgomery-Harris County line in Montgomery County to a point approximately .1 mile east of Walker-San Jacinto County and approximately .1 mile north of SH 150 near the community of Old Waverly.
1012	Lake Conroe - from Dam to .4 mile downstream from the confluence of West Sandy Creek in Walker County. Impounds West Fork San Jacinto River.
1101	Clear Creek tidal from its confluence with Clear Lake to the FM 528 Bridge in Harris and Galveston Counties.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTIONS
1102	Clear Creek above tidal from the FM 528 Bridge in Harris County to the confluence with the American Canal 1.2 miles south of FM 2234 and 2.6 miles west of SH 288 in Fort Bend County.
1103	Dickinson Bayou Tidal from a point 1.3 miles downstream from SH 146 Bridge on Dickinson Bayou to a point 2.5 miles upstream from Arcadia Cemetery Road, 3.7 miles west of FM 646 and .7 mile south of FM 517 in Galveston County.
1104	Dickinson Bayou - above Tidal from the end of Segment 1103 to a point .6 mile west of SH 35, approximately 70 yards south of the American Canal Levee, and 3.2 miles north of the intersection of 2nd Street and Sealy Street in Alvin, Brazoria County.
1105	Bastrop Bayou Tidal - from a point .7 mile downstream (east) of mid-channel of the Intracoastal Waterway to a point 2.0 miles upstream from FM 1495.
1106	Bastrop Bayou - above tidal from the end of Segment 1105 to a point 2.4 miles south of SH 35, 1.7 miles west of SH 288 at a point where Bastrop Bayou enters a canal, 2.8 miles SW of the intersection of Velasco and W. Mulberry Streets in Angelton, Brazoria County.
1107	Chocolate Bayou Tidal from a point .3 mile downstream from FM 2004 Bridge at Chocolate Bayou in Brazoria County to a point 2.6 bayou miles downstream from SH 35 Bridge in Brazoria County.
1108	Chocolate Bayou - above tidal from the end of Segment 1107 to a point 1.3 miles north of SH 6 and 4.1 miles east of the Fort Bend-Brazoria County line in Brazoria County.
1109	Oyster Creek Tidal from the confluence of Oyster Creek and the Intracoastal Waterway 1.7 miles above SH 332 Bridge in Brazoria County to a point approximately 100 yards upstream from FM 2004 Bridge in Brazoria County.
1110	Oyster Creek above tidal from the end of Segment 1109 to the Brazos River Authority diversion dam (.6 mile upstream from SH 6).

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
1111	Old Brazos River Channel from confluence of the Intracoastal Waterway .4 mile inland from the Coast Guard Station at Surfside in Brazoria in Brazoria County to a point approximately .4 mile east of SH 288.
1112	Oyster Creek from the Brazos River Authority diversion dam (.6 mile upstream from SH 6) to the headwaters.
1113	Armand Bayou Tidal - from its confluence with Clear Lake to a point 0.5 miles downstream from Red Bluff - Genoa Road in Harris County.
1201	Brazos River Tidal from the mouth of the Brazos River 6.0 miles downstream from the SH 36 Bridge in Brazoria County to the SH 332 Bridge at Brazoria, Texas in Brazoria County.
1202	Brazos River above tidal from the end of Segment 1201 to the Navasota River confluence.
1203	Lake Whitney - from Whitney Dam to the 530' contour line 1.7 miles east of FM 56 and 5.3 miles south of FM 200 on the Johnson-Bosque County line (6.9 miles downstream from the convergence of the Bosque, Somervell, and Jo-nson County lines).
1204	Brazos River - Whitney Reservoir headwater at the 530' contour line 6.9 miles downstream from the intersection of the Bosque-Somervell-Johnson County lines, 1.7 miles east of FM 56 and 5.3 miles south of FM 200 to the DeCordova Bend Dam in Hood County.
1205	Lake Granbury - from DeCordova Bend Dam to the headwater at the 693' contour line 3.3 miles upstream from Snachez Creek confluence and 1.2 miles north of the Parker-Hood County line in Parker County. Impounds Brazos River.
1206	Brazos River - Lake Granbury headwater at the 693' contour line 3.3 miles upstream from the Sanchez Creek confluence and 1.2 miles north of the Parker-Hood County line in Parker County to Morris Sheppard Dam in Palo Pinto County.
1207	Possum Kingdom Reservoir from Morris Sheppard Dam to a point at the 33° latitude, 3.2 miles north of the Young-Palo Pinto County line and 2.3 miles east of FM 1287 in Young County. Impounds Brazos River.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
1208	Brazos River - Possum Kingdom headwater at 33° latitude, 3.2 miles north of the Young-Palo Pinto County line and 2.3 miles east of FM 1287 in Young County to the confluence of Salt Fork of the Brazos River and the Double Mountain Fork of the Brazos River in Stonewall County.
1209	Navasota River - from the Brazos River confluence to Bistone Dam (Lake Mexia).
1210	Lake Mexia from Bistone Dam to the 450' contour line .8 mile upstream from US 84 in Limestone County. Impounds Navasota River.
1211	Yegua Creek from the confluence with the Brazos River to Somerville Dam.
1212	Lake Somerville from Somerville Dam to the 240 foot contour line 2.5 miles downstream from the confluence of the middle and east Yegua Creeks on Burleson and Lee County line. Impounds Yegua Creek.
1213	Little River - Brazos River confluence to confluence of Leon and Lampasas Rivers.
1214	San Gabriel River from confluence with Little River in Milam County. South Fork ends at point 3.0 miles east of US 281 and .2 mile south of SH 29 in Burnet County. North Fork ends at a point .1 mile southeast of the intersection of US 281 and FM 2340 at the 1500 ft. contour line in Burnet County.
1215	Lampasas River - from confluence of the Leon and Little Rivers in Bell County to Stillhouse Hollow Dam.
1216	Stillhouse Hollow Reservoir from Stillhouse Hollow Dam. to the 620' contour line 4.7 miles upstream from the confluence of Rock Creek and 2.3 miles downstream from the confluence of Stillman Valley Creek in Bell County. Impounds Lampasas River.
1217	Lampasas River - headwater of Stillhouse Hollow Reservoir at the 620' contour line, 4.7 miles upstream from confluence of Rock Creek, 2.3 miles downstream from confluence of Stillman Valley Creek to a point in Mills County 2.5 miles west of the Mills-Hamilton County line, 1.7 miles east of FM 575, 5.5 miles north of FM 2005 at the 1680 ft. contour line.
1218	Nolan Creek - Leon River confluence to the headwater. North Fork originates at a point in Bell County on Fort Hood Military Reservation 3.1 miles east of the Bell-Coryell County line 3.2 miles north of FM 439. South Fork originates at point in Bell County 2.4 miles south of US 190 and 3.8 miles east of Coryell-Bell County line.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
1219	Leon River - Little River confluence to Belton Reservoir Dam.
1220	Lake Belton - from Belton Dam to a point .8 mile downstream from SH 236 in Coryell County at the 590' contour line. Impounds Leon River.
1221	Leon River - Belton Reservoir headwater at a point .8 mile downstream from the SH 236 Bridge across the Leon River in Coryell County at the 590' contour line to Lake Proctor Dam.
1222	Lake Proctor - from Proctor Dam to a point in Comanche County 1.5 miles west of FM 1496 and 3.9 miles south of SH 6
1223	Leon River - Lake Proctor headwater at a point in Comanche County 1.5 miles west of FM 1496 and 3.9 miles south of SH 6 to Leon Reservoir Dam.
1224	Leon Reservoir from Leon Dam to a point in Eastland County .3 mile downstream from Olden Dam.
1225	Lake Waco - from Waco Dam to a point in McClennan County at the 460' contour line 2.7 miles west of FM 185 and 2.1 miles north of SH 6 on the North Bosque River.
1226	Bosque River - Lake Waco headwater at a point in McClennan County 2.7 miles west of FM 185 and 2.1 miles north of SH 6 on North Bosque River to the Bosque River headwater including North, Middle, and South Forks at a point in Erath County .4 mile north of SH 108 and 1.3 miles northwest of the intersection of SH 108 and FM 219 in Huckabay, Texas on the North Bosque River.
1227	Nolands River - Whitney Reservoir at a point 3.0 miles downstream from the SH 174 Bridge on the Hill-Bosque County line to Pat Cleburne Dam.
1228	Lake Pat Cleburne - from Cleburne Dam to a point in Johnson County 1.2 miles upstream from US 67 and 3.6 miles WSW of the intersection of SH 174 and US 67 in Cleburne, Texas. Impounds Nolands River.
1229	Paluxy River from the confluence with the Brazos River in Somervell County. North Fork ends at a point in Erath County 1.4 miles northeast of the intersection of FM 219 and SH 108 in Huckabay and 4.1 miles southeast of the intersection of SH 108 and FM 1715. South Fork ends at a point .7 mile west of US 281 and 1.1 miles northeast of the end of FM 3025 in Erath County.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
1230	Lake Palo Pinto - from Palo Pinto Creek Dam to a point in Palo Pinto County .3 mile east of FM 919 and .2 mile north of FM 2692. Impounds Palo Pinto Creek.
1231	Lake Graham (including Eddleman Lake) - from Graham Dam to the 1076' contour line .6 mile north of US 380 and 2.0 miles west of FM 1769 in Young County. Impounds Flint Creek. (Lake Eddleman) and Salt Creek (Lake Graham).
1232	Clear Fork Brazos River from the confluence with the Brazos River 1.7 miles upstream from the SH 67 Bridge in Young County to a point in Scurry County 3.5 miles south of US 180 and 1.8 miles east of FM 644.
1233	Hubbard Creek Reservoir - from Hubbard Creek Dam to a point in Shackelford County 1.2 miles west of the Shackelford-Stephens County line and 1.2 miles south of US 180. Impounds Hubbard Creek.
1234	Lake Cisco - from Williamson Dam to a point in Eastland County 2.3 miles north of FM 2945 and 1.0 mile west of FM 2807. Impounds Sandy Creek.
1235	Lake Stamford - from Stamford Dam to a point in Haskell County 4.4 miles upstream from FM 600 and 2.1 miles south of FM 618. Impounds Paint Creek.
1236	Lake Fort Phantom Hill - from Fort Phantom Hill Dam to FM 600 in Jones County approximately .2 mile south of the intersection of FM 3034 and FM 600 and .2 mile north of Jones-Taylor County line. Impounds Elm Creek.
1237	Lake Sweetwater - from Sweetwater Dam to FM 2035 in Nolan County. Impounds Bitter and Cottonwood Creeks.
1238	Salt Fork of the Brazos River from the confluence with the Double Mountain Fork of the Brazos River in Stonewall County to a point in Crosby County 1.8 miles west of SH 207 and 5.5 miles north of the Crosby-Garza County line.
1239	White River - Salt Fork of the Brazos River confluence in Kent County to White River Dam.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
1240	Lake White River - from White River Dam to a point in Crosby County 1.8 miles west of Crosby-Dickens County line and 2.6 miles north of FM 2794. Impounds White River.
1241	Double Mountain Fork Brazos River - from the Salt Fork of the Brazos confluence in Stonewall County to the North Fork of the Double Mountain Fork of the Brazos River confluence in Kent County.
1242	Brazos River from the Navasota River confluence to Lake Whitney Dam.
1243	Salado Creek - from Lampasas River confluence in Bell County to the headwaters.
1244	Brushy Creek - from San Gabriel River confluence in Milam County to the headwaters.
1301	San Bernard River Tidal from a point in Brazoria County .9 mile downstream from the Intracoastal Waterway confluence to a point 2 miles upstream from the SH 35 Bridge in Brazoria County.
1302	San Bernard River above tidal from a point in Brazoria County 2 miles upstream from the SH 35 Bridge to a point in Colorado County 2.3 miles south of the intersection of FM 1094 and FM 109 in New Ulm, Texas (Town of New Ulm is in Austin County).
1303	Cedar Lakes - measured from a point in Brazoria County .6 mile northwest of the mouth of the San Bernard River to a point .8 mile south of the convergence of the Intracoastal Waterway and the Brazoria-Matagorda County line.
1304	Caney Creek Tidal from the confluence with the Intracoastal Waterway 2.0 miles downstream from FM 457 Bridge in Matagorda County to a point 2.6 miles southeast of intersection of FM 457 and 521 which is a point in the Gainesmore Community in Matagorda County and 7.6 miles downstream from the confluence with Linnville Bayou.
1305	Caney Creek above tidal from a point 2.6 miles southeast of the intersection of FM 521 and 457 which is a point in the Gainesmore Community to a point in Wharton County .3 miles west of FM 102, 1.6 miles northwest of the intersection of FM 2614 and FM 102 and 2.0 miles east of the Colorado-Wharton County line.
1401	Colorado River tidal from the mouth of the river at the Gulf of Mexico 6.7 miles downstream from the Intracoastal Waterway to a point in Matagorda County 1.3 miles downstream from the Missouri Pacific Railroad Bridge.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
1402	Colorado River above tidal from a point in Matagorda County 1.3 miles downstream from the Missouri Pacific Railroad Bridge to Tom Miller Dam including Town Lake in Austin, Travis County.
1403	Lake Austin - from Tom Miller Dam to Mansfield Dam. Impounds Colorado River.
1404	Lake Travis - from Mansfield Dam to Max Starcke Dam. Impounds Colorado River.
1405	Lake Marble Falls - from Max Starcke Dam to Alvin Wirtz Dam. Impounds Colorado River.
1406	Lake Lyndon B. Johnson (formerly Granite Shoals) - from Alvin Wirtz Dam to Roy Inks Dam. Impounds Colorado River.
1407	Inks Lake - from Roy Inks Dam to Buchanan Dam. Impounds Colorado River.
1408	Lake Buchanan - from Buchanan Dam to a point on the Lampasas - San Saba County line approximately .3 mile upstream from the convergence of the Lampasas, Burnet, and San Saba County lines 6.2 miles south of FM 580. Impounds Colorado River.
1409	Colorado River - Lake Buchanan headwater at a point on the Lampasas-San Saba County line approximately .3 mile upstream from the convergence of the Lampasas-Burnet and San Saba County lines to the San Saba River confluence 5.8 miles east of SH 16 and 2.6 miles north of US 190 on the Mills-San Saba County line.
1410	Colorado River - from San Saba River confluence to Concho River confluence.
1411	E. V. Spence Reservoir - from Robert Lee Dam to FM 2059 in Coke County. Impounds Colorado River.
1412	Colorado River - FM 2059 near Silver, Coke County to Lake J. B. Thomas (Colorado River Dam).
1413	Lake J. B. Thomas - from Colorado River Dam to a point 2.0 miles upstream from FM 1205 in Borden County.
1414	Pedernales River from its confluence with Lake Travis 8.1 miles downstream from the SH 71 Bridge in Travis County to a point in Kerr County .4 mile west of FM 479 and 2.2 miles south of US 290.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
1415	Llano River from its confluence with Lake LBJ to a point in Kimble County approximately 400 yards upstream from IH 10 near Junction. From this point the North Fork extends to a point in Sutton County .6 mile north of FM 864 and 3.9 miles south of the Schleicher-Sutton County line. The South Fork extends to a point in Edwards County 1.2 miles north of SH 55, 4.9 miles south of the Sutton-Edwards County line and 1.1 miles east of 100° 30' longitude.
1416	San Saba River from the confluence with the Colorado River in San Saba County to a point in Schleicher County .25 mile upstream from the Menard-Schleicher County line and .7 mile north of FM 864 at the confluence of the North and Middle Valley Prongs.
1417	Pecan Bayou from Colorado River confluence in Mills County to the Lake Brownwood Dam.
1418	Brownwood Reservoir - from Brownwood Dam to a point 7.1 miles upstream from FM 2559 in Brown County. Impounds Pecan Bayou.
1419	Lake Coleman - from Coleman Dam to the 1720' contour line 1.5 miles downstream from the confluence of Clear Creek, 1.8 miles south of the Callahan-Coleman eounty line in Coleman County. Impounds Jim Ned Creek.
1420	Pecan Bayou above Lake Brownwood from a point 7.1 miles upstream from the FM 2559 Bridge in Brown County and end at a point in Callahan County 5.1 miles east of SH 36 and 2.7 miles south of the intersection of FM 603 and FM 18 on the north Prong of Pecan Bayou.
1421	Concho River from the confluence with the Colorado River in Concho County to the Fork in San Angelo including the South Fork to Lake Nasworthy Dam and the North Fork to San Angelo Dam.
1422	Lake Nasworthy - from Nasworthy Dam to Twin Buttes Dam in Tom Green County. Impounds South Concho River.
1423	Twin Buttes Reservoir (also called Three Rivers project) - from Twin Buttes Dam to a point 1.5 miles upstream from US 67 in Tom Green County. Impounds South and Middle Concho River and Spring Creek.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
1424	South and Middle Concho Rivers and Spring Creek above Twin Buttes. The Middle Concho ends .4 mile east of the convergence of Glasscock-Reagan-Sterling County lines in Sterling County. The South Concho ends .7 mile east of the intersection US 277 and FM 915 in Eldorado-Schleicher County. Spring Creek ends 4.4 miles WSW of where Hwy 163 crosses the Irion-Crockett County Line.
1425	Lake O. C. Fisher - from San Angelo Dam to a point .7 mile upstream from FM 2288 in Tom Green County. Impounds North Concho River.
1426	Colorado River - from Concho River confluence to Robert Lee Dam (E. V. Spence Reservoir).
1427	Onion Creek - from Colorado River confluence to headwaters.
1501	Tres Palacios Creek Tidal from a point 2.3 miles downstream from the FM 521 bridge to a point 1 mile upstream from the confluence of Wilson Creek in Matagorda County.
1502	Tres Palacios Creek above tidal from a point in Matagorda County 1 mile upstream from the confluence of Wilson Creek to a point approximately 70 yards north of West Norris Street and 1.2 miles west of SH 71 in El Campo, Wharton County.
1601	Lavaca River Tidal from the mouth of the Lavaca River on the Jackson-Calhoun County line 2.7 miles NNW of the intersection of SH 35 and FM 1593 in Calhoun County to the point of confluence of Navidad River approximately .1 mile upstream from FM 616 in Jackson County.
1602	Lavaca River above tidal from the confluence with Navidad River in Jackson County to a point in Lavaca County .6 mile south of FM 532 and 3.4 miles west of SH 95.
1603	Navidad River from the Lavaca River confluence in Jackson County to a point in Fayette County 4.0 miles north of FM 956 and 2.0 miles west of US 77 on the East Navidad River.
1701	Victoria Barge Canal - San Antonio Bay to Victoria Turning Basin.
1801	Guadalupe River Tidal from the mouth of the Guadalupe 7.6 miles downstream from the SH 35 Bridge on the Calhoun-Refugio County line to the Guadalupe-Blanco River Authority Salt Water Barrier 0.4 mile downstream from the confluence with the San Antonio River.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
1802	Guadalupe River - Guadalupe-Blanco River Authority Salt Water Barrier to San Antonio River Confluence.
1803	Guadalupe River - San Antonio River confluence to San Marcos River confluence in Gonzales County.
1804	Guadalupe River - San Marcos River confluence to Comal River confluence 1.1 miles upstream from the IH 35 Bridge in New Braunfels-Comal County.
1805	Canyon Lake - from Canyon Dam to a point 2.5 miles downstream from Rebecca Creek Road in Comal County. Impounds Guadalupe River.
1806	Guadalupe River - Canyon Lake headwater at a point 2.5 miles downstream from Rebecca Creek Road in Comal County to the headwater. Main stem ends at the confluence of the North Fork and the South Fork of the Guadalupe River just downstream from the SH 39 Bridge in Kerr County. North Fork ends at the 2300' contour line .7 mile east of the intersection of US 83 and SH 41 in Kerr County (Hwy. intersection in Real County). South Fork ends approximately 2.1 miles north of the convergence of the Kerr-Real and Bandera County lines and 1.7 miles west of FM 187 in Kerr County.
1807	Coleto Creek from the confluence with the Guadalupe River 2.8 miles downstream from US 77 Bridge in Victoria County to the headwaters (including Coleto Creek Reservoir).
1808	San Marcos River - Guadalupe River confluence in Gonzales County to a point 1.2 miles upstream from Loop 82 Bridge in San Marcos-Hays County.
1809	Blanco River - San Marcos River confluence in Hays County to a point approximately .2 mile upstream from Limekiln Road Ford 2.4 miles west of FM 150 in Kyle in Hays County.
1810	Plum Creek - San Marcos River confluence in Caldwell County to headwaters in Hays County .6 mile north of FM 150 and .8 mile west of FM 2770.
1811	Comal River - Guadalupe River confluence in Comal County to the headwater at Klingemann Street in New Braunfels, Texas.
1812	Guadalupe River - Comal River confluence to Canyon Dam.
1813	Blanco River from a point approximately .2 mile upstream from Limekiln Road in Hays County to a point in Kendall County 2.9 miles east of FM 1376 and 2.8 miles south of the Gillespie-Kendall County line.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
1901	San Antonio River - Guadalupe River confluence in Refugio County to a point approximately .2 mile south of Hildebrand Street and approximately .1 mile west of US 81 Business Route in San Antonio.
1902	Cibolo Creek - San Antonio River confluence in Karnes County to the Missouri Pacific Railroad Bridge near Bracken in Comal County.
1903	Medina River - San Antonio River confluence in Bexar County to the USGS-TDWR Station #08180500, .9 mile downstream from Diversion Dam in Medina County.
1904	Lake Medina - from Medina Dam to a point .9 mile west of FM 1283 and 4.8 miles south of SH 16 in Bandera County. Impounds Medina River.
1905	Medina River - Medina Lake headwater at a point .9 mile west of FM 1283 and 4.8 miles south of SH 16 in Bandera County to a point 5.1 miles west of FM 1336 and 7.8 miles north of FM 470 Bandera County.
1906	Leon Creek - Medina River confluence in Bexar County to SH 16 northwest of Leon Valley in Bexar County.
1907	Leon Creek - SH 16 northwest of Leon Valley in Bexar County to the headwaters at a point 5.9 miles west of IH 10 and 1.8 miles south of the Kendall-Bexar County line in Bexar County.
1908	Cibolo Creek - Missouri Pacific Railroad Bridge west of Bracken in Comal County to the headwaters 2.0 miles east of Kerr-Kendall County line and approximately .1 mile south of Upper Cibolo Road in Kendall County.
1909	Medina River - USGS-TDWR Station #08180500, .9 mile downstream from Diversion Dam in Medina County to Medina Lake Dam.
1910	Salado Creek - from the San Antonio River confluence in Bexar County to the headwaters.
2001	Mission River Tidal from the mouth at Mission Bay 1.8 miles east of FM 136 in Refugio County to a point 4.6 miles downstream from the US 77 Bridge in Refugio County.
2002	Mission River above tidal from a point 4.6 miles downstream from US 77 Bridge in Refugio County to a point of convergence of Medio and Blanco Creeks in Refugio County.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
2003	Aransas River Tidal from the mouth at the FM 136 Bridge on the Refugio-Aransas County line to a point 4.1 miles south of FM 1360 and 11.5 miles east of US 77.
2004	Aransas River above tidal from a point 4.1 miles south FM 1360 and 11.5 miles east of US 77 to the confluence of west Aransas Creek and Poesta Creek near Skidmore in Bee County.
2101	Nueces River Tidal from the mouth at Nueces Bay 5.3 miles north of IH 37 in Corpus Christi to the Salt Water Barrier 1.5 miles south of the IH 37 and US 77 Interchange near Calallen.
2102	Nueces River from the Salt Water Barrier 1.5 miles south of the IH 37 and US 77 Interchange near Calallen to Wesley Seale Dam.
2103	Lake Corpus Christi - from Wesley E. Seale Dam to a point 2.2 miles south of FM 799 and 5.6 miles east of US 281 in Live Oak County. Impounds Nueces River.
2104	Nueces River - Lake Corpus Christi headwater at a point 2.2 miles south of FM 799 and 5.6 miles east of US 281 in Live Oak County to Holland Dam in La Salle County.
2105	Nueces River from Holland Dam in La Salle County to FM 1025 Bridge north of Crystal City in Zavala County.
2106	Frio River - Nueces River confluence in Live Oak County to US 90 west of Knippa in Uvalde County.
2107	Atascosa River - Frio River confluence in Live Oak County to the headwater 1.5 miles east of FM 2790 and 2.5 miles north of IH 35 in Bexar County.
2108	San Miguel Creek - Frio River confluence in McMullen County to the headwater 1.8 miles east of US 81 and 2.5 miles north of FM 462 in Frio County.
2109	Leona River - Frio River confluence in Frio County to the headwater 4.6 miles west of US 83 and 5.8 miles south of 29° 30' latitude in Uvalde County.
2110	Sabinal River - Frio River confluence in Uvalde County to SH 127 near Sabinal in Uvalde County.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
2111	Sabinal River - SH 127 north of Sabinal in Uvalde County to the headwaters .6 mile east of the Real-Bandera County line, 1.7 miles west of FM 187 and 2.3 miles south of FM 337 in Bandera County.
2112	Nueces River - FM 1025 north of Crystal City in Zavala County to the headwater approximately .3 mile south of SH 41 and .3 mile west of the Edwards-Real County line in Edwards County.
2113	Frio River - US 90 west of Knippa-Uvalde County to the headwater 3.4 miles west of US 83, 4.7 miles east of FM 336 and 5.0 miles south of SH 41 in Real County.
2114	Hondo Creek - from the Frio River confluence in Frio County to the headwaters.
2115	Seco Creek - from the Hondo Creek confluence in Frio County to the headwaters.
2201	Arroyo Colorado - from where it enters the Laguna Madre between Willacy and Cameron Counties to Hwy 1016 2 miles south of Mission in Hidalgo County.
2301	Rio Grande Tidal - Gulf of Mexico 2.9 miles south of SH 4 in Cameron County to a point 6.7 miles downstream from the International Bridge in Brownsville.
2302	Rio Grande - from a point 6.7 miles downstream from the International Bridge in Brownsville to Falcon Dam.
2303	Falcon Reservoir (International) - from Falcon Dam to the confluence of the Arroyo Salado from Mexico south of San Ygnacio in Zapata County. Impounds Rio Grande.
2304	Rio Grande - Falcon Lake headwater at the confluence of the Arroyo Salado from Mexico south of San Ygnacio in Zapata County to Amistad Dam.
2305	Amistad Reservoir - from Amistad Dam to a point 3.7 miles south of US 90 and 8.8 miles east of the Val Verde-Terrell County line in Val Verde County. Impounds Rio Grande.
2306	Rio Grande - Amistad Reservoir headwater at a point 3.7 miles south of US 90 and 8.8 miles east of the Val Verde-Terrell County line in Val Verde County to the Rio Conchos (Mexico) confluence near Presidio, Presidio County.
2307	Rio Grande - Rio Conchos (Mexico) confluence near Presidio to Riverside Diversion Dam.
2308	Rio Grande - Riverside Diversion Dam to New Mexico.

SEGMENT DESCRIPTIONS
(CONT.)

SEGMENT	DESCRIPTION
2309	Devils River - Amistad Reservoir headwater to River headwater at a point 4.4 miles south of FM 1828, 2.8 miles north of SH 29, and .9 mile east of 100° 45' longitude in Schleicher County.
2310	Pecos River - Amistad Reservoir headwater at the 1117' contour line 1.5 miles north of US 90 Val Verde County to the county road low water crossing near Pandale in Val Verde County.
2311	Pecos River - County Road low water crossing near Pandale to Red Bluff Dam.
2312	Red Bluff Reservoir - from Red Bluff Dam to a point on the Texas-New Mexico State line 5.0 miles north of US 285 on the Loving-Reeves County line. Impounds Pecos River.
2501	Gulf of Mexico - Beginning at the Gulf Shoreline and extending to the limit of Texas' jurisdiction, from Sabine Pass to Brazos Santiago Pass.