

*TEXAS  
WATER  
DEVELOPMENT  
BOARD*



*Report 176*

*SELECTED WATER-QUALITY  
RECORDS FOR TEXAS SURFACE  
WATERS, 1971 WATER YEAR*

August 1973

**TEXAS WATER DEVELOPMENT BOARD**

**REPORT 176**

**SELECTED WATER-QUALITY RECORDS FOR TEXAS  
SURFACE WATERS, 1971 WATER YEAR**

**Biochemical-Oxygen-Demand, Dissolved-Oxygen, Nutrients,**

**Pesticides, Minor Elements, and Other Related**

**Chemical and Biological Analyses**

**By**

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United States Geological Survey**

**This report was prepared by the U.S. Geological Survey  
under cooperative agreement with the  
Texas Water Development Board**

**August 1973**

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Published and distributed  
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Post Office Box 13087  
Austin, Texas 78711

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# SELECTED WATER-QUALITY RECORDS FOR TEXAS SURFACE WATERS, 1971 WATER YEAR

Biochemical-Oxygen-Demand, Dissolved-Oxygen, Nutrients,  
Pesticides, Minor Elements, and Other Related  
Chemical and Biological Analyses

By

Jean A. Schulze, Alton J. Dupuy, and Emma McPherson  
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## INTRODUCTION

A network of daily and periodic chemical-quality stations on streams in Texas has been operated for many years by the U.S. Geological Survey in cooperation with the Texas Water Development Board and other State, federal, and local agencies. Before 1968, analyses of water from this network usually included only the principal inorganic constituents and other related properties.

To supplement the information being obtained on the inorganic quality of the surface-water resources of Texas, the Geological Survey, in cooperation with the Texas Water Development Board, began in January 1968 the periodic determination of BOD (biochemical oxygen demand), dissolved oxygen, selected nutrients, and pesticides at selected sites on streams throughout the State (Dupuy, Manigold, and Schulze, 1970; Schulze, Dupuy, and Manigold, 1970; and Dupuy and Schulze, 1972).

These and other parameters or constituents may profoundly influence the quality of the water resources and the ecological balance in streams and reservoirs. Consequently, the data-collection program periodically has been expanded to obtain information on additional chemical, biological, and physical parameters needed for comprehensive water-quality evaluation. Beginning in October 1970, determinations of selected minor elements and bacteria were included in the analysis of water from some of the sites. Many water-quality parameters or properties are affected by water discharge, depth, and velocity; stream-channel characteristics; biological activity; sunlight intensity; and air and water temperatures. Therefore, the water-quality data in this

report are representative of conditions only at the sampling sites and only during the periods of sampling. However, data accumulated through repetitive sampling at selected sites on a stream should be sufficiently representative to permit evaluation of the quality of water in the stream.

## DEFINITIONS OR TERMS AND ABBREVIATIONS

Most of the terms and abbreviations for water-quality and hydrologic data used in this report have been defined by Hem (1970), Langbein and Iseri (1960), Brown, Skougstad, and Fishman (1970), and Goerlitz and Brown (1972). Definitions and abbreviations of some of these terms are as follows:

*Biochemical oxygen demand (BOD)*, is the amount of oxygen required by bacteria while stabilizing decomposable organic matter under aerobic conditions. Thus, the determination of BOD provides an indication of the quantity of organic material in the water at the sampling point. Because complete stabilization may require a period too long for practical purposes, the 5-day BOD test has been accepted as standard. The BOD data presented in this report are based on the standard 5-day BOD test.

*Chemical oxygen demand (COD)*, is a measure of the readily oxidizable material in the water and furnishes an approximation of the minimum amount of organic and reducing material present.

*Coliform organisms* are a group of bacteria used as an indicator of the sanitary quality of the water. This

group includes organisms that vary in their natural sources and habitats. Although all the subgroups may be found in the feces of man and other warm-blooded animals and in water polluted by feces, some subgroups have a wide environmental distribution and are commonly present in soil and on vegetation (U.S. Public Health Service, 1962, p. 14-15). Therefore, a positive test for total coliforms in untreated water is indicative rather than specific for the presence of fecal pollution.

*Color*, as used in this report, is that due only to substances in solution. Color in water may be of natural mineral, animal, or vegetable origin. It may be caused by metallic substances, humus material, peat, algae, weeds, or protozoa.

*Cubic feet per second (cfs)* is a unit expressing rates of discharge. One cubic foot per second is equal to the discharge of a stream of rectangular cross section, 1 foot wide and 1 foot deep, flowing water at an average velocity of 1 foot per second.

*Discharge*, in its simplest concept, means outflow; therefore, the use of this term is not restricted as to course or location. In this report it represents the total fluids measured in the streams.

*Dissolved oxygen (DO)* in surface water is necessary for the support of aquatic life and the aerobic decomposition of organic material, and thus is one of the most important indicators of the biological, chemical, or sanitary quality of the water. The concentration of dissolved oxygen is reported in milligrams per liter and in percent saturation. The percent saturation of dissolved oxygen is the ratio of the quantity of oxygen dissolved in a water at a given temperature and salinity to the maximum equilibrium quantity of oxygen dissolved in the water when exposed to water-saturated air.

*Dissolved solids*, as used in this report, is the sum of all determined dissolved constituents converted mathematically into the forms in which they would normally exist in an anhydrous residue.

*Fecal coliform organisms* are components of the coliform group that are characteristically inhabitants of the intestines of warm-blooded animals. Therefore, the presence of fecal coliform organisms in water is an indication of recent and possible dangerous fecal pollution. The absence of fecal coliforms in water with various densities of other coliforms may indicate less recent fecal pollution (Geldreich, 1966, p. 109).

*Fecal streptococci* appear to be characteristic of fecal pollution, being consistently present in both the feces of all warm-blood animals and in the environment associated with animal discharges. In combination with data on coliform bacteria, fecal streptococci are used in sanitary evaluation as a supplement to fecal coliforms where more precise determination of sources of contamination is necessary. (National Technical

Advisory Committee to the Secretary of the Interior, 1968, p. 12).

*Loss on ignition (volatile solids)* is the weight of suspended solid material combustible at 550°C. The test is useful in obtaining an approximation of the amount of organic matter present in the solid fraction of sewage, industrial wastes, or bottom sediments.

*Methylene blue active substance (MBAS)* is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with synthetic detergent compounds.

*Micrograms per kilogram (µg/kg)* is a unit for expressing the weight of a solute (in micrograms) per unit weight (kilogram) of solid. One µg/kg is equal to 0.001 mg/kg.

*Micrograms per liter (µg/l)* is a unit for expressing the weight of solute (in micrograms) per unit volume (liter) of solution. One µg/l is equal to 0.001 mg/l.

*Milligrams per liter (mg/l)* is a unit for expressing the weight of solute (in milligrams) per unit volume (liter) of solution.

*Minor elements* include those constituents, mostly cations, whose concentrations usually do not exceed 1 mg/l, although in exceptional waters one or more of them may be present in comparatively large amounts and may for that particular water be a major component.

*Nutrients* are substances required to promote and sustain life. Excessive nutrients tend to enrich water and may cause undesirable weed and algal growths and associated nuisances. In this report, consideration has been limited to the most significant nutrients, nitrogen and phosphorus. Before October 1969, results of analyses for nitrogen species were reported as ammonia, nitrite, or nitrate; those for phosphorus were reported as phosphate. In this report, each of the nitrogen species are reported as nitrogen, and phosphorus is reported as phosphorus. Data reported before October 1969 may be converted to nitrogen or phosphorus by multiplying the concentrations by the following factors:

<u>TO CONVERT</u>	<u>TO</u>	<u>MULTIPLY BY</u>
Ammonia (NH <sub>4</sub> )	Nitrogen (N)	0.777
Nitrite (NO <sub>2</sub> )	Nitrogen (N)	.305
Nitrate (NO <sub>3</sub> )	Nitrogen (N)	.226
Phosphate (PO <sub>4</sub> )	Phosphorus (P)	.326

*Oil and grease*, as used in this report, is the hexane extractable matter from waters, industrial wastes, and sewage that does not volatilize at temperatures below 80°C.



*Pesticides* include insecticides and herbicides.

*Insecticides* are substances or a mixture of substances intended to prevent, destroy, or repel insects. Technical names for insecticides analyzed for are:

*Aldrin* not less than 95 percent of 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4-endo-exo-5,8-dimethanonaphthalene

*Chlordane* 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindane

*DDD* 1,1-dichloro-2,2-bis (*p*-chlorophenyl) ethane

*DDE* 1,1-dichloro-2,2-bis (*p*-chlorophenyl) ethylene

*DDT* 1,1,1-trichloro-2,2-bis (*p*-chlorophenyl) ethane

*Diazinon* 0,0-diethyl 0-(2-isopropyl-6-methyl-4-pyrimidyl) phosphorothioate

*Dieldrin* not less than 85 percent of 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4-endo-exo-5,8-dimethanonaphthalene

*Endrin* 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4-endo-endo-5,8-dimethanonaphthalene

*Ethion* 0,0,0',0'-tetraethyl *S,S'*-methylenebisphosphorodithioate

*Heptachlor* 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene

*Heptachlor epoxide* 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro-4,7-methanoindan

*Lindane* 1,2,3,4,5,6-hexachlorocyclohexane, 99 percent or more of gamma isomer

*Methyl parathion* 0,0-dimethyl 0-*p*-nitrophenyl phosphorothioate

*Malathion* *S*-1,2-bis (ethoxycarbonyl) ethyl 0,0-dimethyl phosphorodithioate

*Parathion* 0,0-diethyl 0-*p*-nitrophenyl phosphorothioate

*Toxaphene* Chlorinated camphene containing 67 to 69 percent chlorine

*Herbicides* are substances or a mixture of substances intended to control or destroy any vegetation. Technical names for herbicides analyzed for are:

*2,4-D* 2,4-dichlorophenoxyacetic acid

*Silvex* 2-(2,4,5-trichlorophenoxy) propionic acid

*2,4,5-T* 2,4,5-trichlorophenoxy acetic acid

*Phenols*, as used in this report, include those hydroxy derivatives of benzene which react with 4-aminoantipyrine at pH 10.0 in the presence of potassium ferricyanide to form a colored antipyrine dye. Phenols are waste products of oil refineries, coke plants, and some chemical-producing facilities.

*Polychlorinated biphenyl (PCB) compounds* are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine.

*Specific conductance* is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimeter at 25°C. Because the specific conductance is related to the number and types of ions in solution, it can be used for approximating the dissolved-solids content of the water. Commonly, the amount of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream, and it may even vary in the same source with changes in the composition of the water.

*Total non-filtrable residue* (suspended solids) is that residue which is retained on a 0.45- $\mu$ m (micrometer) membrane filter and may consist of sediment, organic detritus, or plankton.

*Turbidity* of a sample is the reduction of transparency due to the presence of suspended particulate matter and is reported in Jackson turbidity units (JTU). Such material may consist of clay or silt, finely divided organic matter, plankton, or other microscopic organisms which cause light to be scattered and absorbed rather than transmitted in straight lines through the sample.

## SAMPLE COLLECTION AND TREATMENT METHODS

Depth-integrating samplers were used to collect water samples for chemical, biochemical, bacteriological, pesticide, and minor-element analyses (Brown, Skougstad, and Fishman, 1970, p. 9). Samples for BOD, COD, and phenol determinations were refrigerated (1-4°C) and stored in darkness until analyses were begun (within 4 days after collection).

Prior to February 1, 1972, samples for nutrient analyses were collected in 1-liter polyethylene bottles, treated with mercuric chloride (40 mg of mercury per liter of sample), and refrigerated (1-4°C) in darkness until analysis was begun. Because of the interference of mercury in some analytical methods, the possibility of contamination with the mercuric chloride solution of equipment later used for sampling for trace metals, and the problems connected with disposal of mercury-containing samples after analysis, the addition of mercuric chloride was discontinued and nutrient samples were preserved by refrigeration in darkness.

Depth-integrated samples for streamside measurement of dissolved oxygen and water temperature were collected with a BOD sampler that provides for a threefold displacement of water in a BOD bottle without aeration.

Samples for bacteriological analysis (coliforms, fecal coliforms, and streptococci) were collected in glass bottles (sterilized for not less than 60 minutes at 170°C). Where feasible, analysis was begun immediately; when analysis could not be started immediately, samples were refrigerated at 1-4°C for not longer than 6 hours.

Samples for the determination of minor elements were collected in polyethylene bottles (specially pretreated to remove contaminants), immediately filtered through 0.45- $\mu$ m membrane filters, and acidified with redistilled nitric acid to a pH of 3.0 or less.

Water samples for pesticide analyses were collected in 1-quart Boston round glass bottles with teflon-lined screw caps (specially pretreated to remove

contaminants). Bottom-deposits samples were collected with a bed-material sampler where possible or by scooping the deposits directly into the wide-mouth bottles. Samples for pesticide determinations normally were received in the laboratory within 3 days after collection and were refrigerated at about 1°C until analyses were begun. Analyses of the water samples for pesticides usually were begun within 4 to 7 days after receipt at the laboratory.

## ANALYTICAL PROCEDURES

The BOD was determined by incubating the samples or suitable dilutions of the samples at a temperature of 20°C for 5 days and measuring the decrease in dissolved oxygen (U.S. Geological Survey, 1971).

Streamside measurements of dissolved oxygen were made with a temperature-compensated portable instrument. Calibration of the instrument was checked frequently by the Alsterberg azide modification of the Winkler method (Brown, Skougstad, and Fishman, 1970, p. 126-128) using air-saturated distilled water as the standard.

Samples for coliforms, fecal coliforms, and streptococci were analyzed by the membrane-filter procedure, immediate incubation test, as described in a preliminary report by the Water Resources Division Committee on Biology and Microbiology (U.S. Geological Survey, 1971).

Sodium, potassium, magnesium, and many of the minor elements, including cadmium, chromium, cobalt, copper, lead, lithium, manganese, nickel, strontium, and zinc were determined by atomic absorption methods—either directly or after chelation extraction (Brown, Skougstad, and Fishman, 1970). Arsenic was determined by the silver diethyldithiocarbamate method with the absorbance of the solution being measured spectrophotometrically (Brown, Skougstad, and Fishman, 1970, p. 47-49). Mercury was determined by the flameless atomic absorption procedure based on the absorption of radiation at 253.7 nm (nanometers) by mercury vapor (Environmental Protection Agency, 1971, p. 121-130).

Oil and grease was determined by acidifying to a low pH (<3) and extracting with hexane using a Soxhlet extraction. The hexane was evaporated from the separated extract and the residue weighed (Environmental Protection Agency, 1971, p. 217-220).

Methods for pesticide analyses were those developed in the U.S. Geological Survey laboratories. Suspended solids were not removed prior to extraction. Insecticides were extracted from the samples with hexane and analyzed by either electron-capture chromatography for chlorinated insecticides or by a

flame-photometric detector for phosphorothioate insecticides (Goerlitz and Brown, 1972, p. 30-32).

Samples for herbicide analyses were acidified and extracted with ether. The herbicides were converted to their methyl esters to facilitate analysis and were analyzed by electron-capture chromatography. The methyl esters were converted to the equivalent acid values for reporting (Goerlitz and Brown, 1972, p. 35-39).

Methods for analyses of bottom deposits for pesticides were those developed in U.S. Geological Survey laboratories (Goerlitz and Brown, 1972, p. 33-35, 39-40). Insecticides from approximately 50 grams of a sample were extracted with acetone and hexane and analyzed by gas chromatography the same as the water. Results were calculated on a dry-weight basis in micrograms per kilogram.

The lower detection limit for insecticides in bottom deposits is 0.2  $\mu\text{g}/\text{kg}$ , except for chlordane and toxaphene, which have detection limits of 1.0 and 10  $\mu\text{g}/\text{kg}$ , respectively. Where no insecticide was detected, values of less than 1.0 and 10  $\mu\text{g}/\text{kg}$  were reported for chlordane and toxaphene, respectively, and a value of less than 0.2  $\mu\text{g}/\text{kg}$  was reported for other insecticides.

Bottom deposits for herbicide analyses were acidified and extracted with acetone and ether; the herbicides were converted to their methyl esters to facilitate analysis and were analyzed by electron-capture gas chromatography. The methyl ester values were converted to the equivalent acid values for reporting. Results were calculated on a dry-weight basis in micrograms per kilogram. Where no herbicide was detected, a value of less than the lower detection limit for each herbicide was reported.

Polychlorinated biphenyl compounds were analyzed by electron-capture gas chromatography. These compounds interfere with analysis of the chlorinated hydrocarbon insecticides unless separated from the insecticides. When preliminary analysis indicated the presence of PCB compounds, the silicic acid cleanup method (Armour and Burke, 1970, p. 761-768) was used to separate PCB compounds from the DDT family. Lower detection limit for PCB compounds is 0.1  $\mu\text{g}/\text{l}$  in water and 2  $\mu\text{g}/\text{kg}$  in bottom deposits.

Methods used for the determination of other properties or constituents are those described by Brown, Skougstad, and Fishman (1970) and Goerlitz and Brown (1972).

## WATER-QUALITY RECORDS

The locations of data-collection sites exclusive of the Houston metropolitan area are shown on Figure 1. Data-collection sites in the Houston metropolitan area are shown on Figure 2. Most of the sites are at stream-gaging stations; at other sites, the water discharge was usually measured when the samples were collected so that the water quality could be considered in relation to discharge.

Water-quality records in this report are tabulated by station according to standard stream order, progressing downstream within each river basin and in clockwise river basin sequence beginning with the most northerly river basin. Records for stations on tributaries are listed between stations on the main stream in the order in which those tributaries enter the main stream. Stations on tributaries entering above all mainstream stations are listed before the first mainstream station. Stations on tributaries to tributaries are listed in a similar manner.

As an added means of identification, each station has been assigned an 8-digit number. The complete number for each station, such as 08057410, includes the part number "08" followed by a 6-digit station number. In this report, the complete number appears just to the left of the station name and the water-quality records are presented in downstream order by parts.

Water-quality records for the individual stations, except for PCB concentrations, are shown in separate tables (Tables 1-150). PCB data are shown in Tables 151 and 152. All pesticide samples in Tables 1-150 were analyzed for PCB compounds, but only positive occurrences are reported in Tables 151 and 152. Other pesticides, such as ethion, may be analyzed by the procedures described. However, these compounds are listed in the tables only when they occurred.

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TABLE 1.--07227470 CANADIAN RIVER AT TASCOSA, TEX.  
(Lat 35°31'10", long 102°15'30")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO <sub>2</sub> ) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO <sub>3</sub> ) (MG/L)	CAR-BONATE (CO <sub>3</sub> ) (MG/L)	DIS-SOLVED SULFATE (SO <sub>4</sub> ) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
OCT. 14...	1225	19	15	82	49	--	700	--	232	12	370	950
DEC. 08...	1615	8.3	12	88	44	--	650	--	275	6	400	830
JAN., 1971												
06...	1550	5.0	1.0	150	73	--	860	--	452	0	590	1100
28...	1230	18	9.1	88	54	--	720	--	272	6	430	950
FEB. 17...	1400	18	12	92	55	--	730	--	272	0	420	980
MAR. 30...	1315	1.1	13	88	68	--	660	--	256	14	480	850
APR. 20...	0740	58	9.7	95	59	--	760	--	142	24	580	1000
MAY 18...	1500	.76	15	88	69	--	830	--	256	10	710	950
JUNE 07...	1750	127	14	86	43	--	520	--	264	4	390	630
JULY 20...	0930	290	13	57	28	230	--	8.7	182	0	220	260
AUG. 11...	0900	760	13	37	14	--	150	--	235	0	110	120
SEP. 14...	1500	2.5	14	58	42	--	470	--	228	8	340	560

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CON-SITUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA, MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO
OCT. 14...	.5	.31	.000	.00	.00	.14	2290	1040	828	406	196	15
DEC. 08...	--	.05	.010	.08	.2	.050	2170	44	24	400	160	14
JAN., 1971												
06...	.7	.02	.000	.16	.1	.030	3000	17	2	670	300	14
28...	.6	.11	.000	.11	.1	.020	2390	55	0	440	210	15
FEB. 17...	.6	.38	.000	.00	.1	.020	2430	49	8	460	230	15
MAR. 30...	.7	.08	.000	.00	.1	.020	2290	41	15	500	270	13
APR. 20...	.8	.40	.010	.21	.3	.20	2610	1280	128	480	320	15
MAY 18...	.8	.38	.000	.00	.1	.11	2790	118	26	530	300	16
JUNE 07...	.6	.27	.000	.02	1.1	.44	1830	396	56	390	170	11
JULY 20...	.8	3.0	.000	.00	.2	1.4	902	4370	650	260	110	6.2
AUG. 11...	.7	.21	.000	.05	.9	.060	558	39300	4120	150	0	5.3
SEP. 14...	.6	--	.000	.00	.00	.070	1610	86	10	320	120	12

DATE	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG. C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT. 14...	3900	8.5	10.5	2	130	9.3	84	10	1.8	3	.07
DEC. 08...	3500	8.3	13.0	2	30	9.8	92	6	1.2	0	.01
JAN., 1971											
06...	4900	7.5	.0	0	10	11.8	82	8	.7	--	.00
28...	3880	8.2	10.0	0	20	12.2	108	8	.4	1	.01
FEB. 17...	4040	8.0	15.0	0	20	9.3	92	9	.7	--	.00
MAR. 30...	3750	8.5	23.0	0	20	8.1	94	10	.9	2	.03
APR. 20...	4300	8.2	6.5	0	280	11.2	90	20	3.8	0	.00
MAY 18...	4450	8.5	13.5	0	75	9.3	89	20	3.9	0	.00
JUNE 07...	2920	7.6	27.0	5	200	7.3	90	25	2.8	0	.02
JULY 20...	1550	8.2	17.5	10	280	7.8	81	8	4.6	0	.00
AUG. 11...	925	8.0	21.0	15	130	7.9	88	6	4.1	0	.05
SEP. 14...	2690	8.4	27.0	5	50	7.0	86	7	2.0	5	.00

TABLE 1.--07227470 CANADIAN RIVER AT TASCOSA, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
DEC. 08...	1615	8.3	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JAN. 28... 1971	1230	18	.00	<.2	.00	<.2	.00	<.2	.00	<.2
MAY 18...	1500	.76	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JULY 20...	0930	290	.00	<.2	.00	<.2	.00	<.2	.00	<.2
AUG. 11...	0900	760	.00	<.2	.00	<.2	.00	<.2	.00	<.2

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM DE-POSITS (UG/KG)	LINDANE (UG/L)
DEC. 08...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
JAN. 28... 1971	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
MAY 18...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
JULY 20...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
AUG. 11...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00

DATE	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL-PARA-THION (UG/L)	METHYL-PARA-THION IN BOTTOM DE-POSITS (UG/KG)	PARA-THION (UG/L)
DEC. 08...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
JAN. 28... 1971	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
MAY 18...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
JULY 20...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
AUG. 11...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00

DATE	PARA-THION IN BOTTOM DE-POSITS (UG/KG)	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
DEC. 08...	<.2	.0	<10	.00	<1.1	.00	<.1	.00	<.1
JAN. 28... 1971	<.2	.0	<10	.00	<7.3	.00	<.7	.00	<.5
MAY 18...	<.2	.0	<10	.00	<1.0	.00	<.3	.00	<.3
JULY 20...	<.2	.0	<10	.07	<1.6	.00	<.4	.00	<.4
AUG. 11...	<.2	.0	<10	.00	<2.1	.00	<.6	.00	<.6

TABLE 2.--07227500 CANADIAN RIVER NEAR AMARILLO, TEX.  
(Lat 35°28'13", long 101°52'45")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)
OCT. 14...	1030	7.4	18	110	44	530	--	11	226	0
DEC. 08...	1455	12	16	120	34	--	490	--	216	0
JAN., 1971 28...	0915	38	16	120	48	--	560	--	316	0
APR. 19...	1700	42	15	94	40	--	410	--	220	0
JUNE 08...	0700	31	13	100	39	--	470	--	212	0
AUG. 11...	1220	1850	12	42	14	--	180	--	236	0

DATE	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)
OCT. 14...	480	670	.9	.62	.12	3.3	2.1	3.5	1980	1020
DEC. 08...	450	600	3.8	.34	.86	2.8	3.0	12	1840	30
JAN., 1971 28...	440	720	1.2	3.5	.080	9.7	.6	4.1	2070	170
APR. 19...	380	510	1.1	1.3	.88	3.2	2.1	2.7	1580	848
JUNE 08...	420	590	.9	.34	.64	7.2	1.0	.96	1750	384
AUG. 11...	150	140	.5	.06	.010	.11	1.0	.070	653	19800

DATE	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)
OCT. 14...	840	460	270	11	3150	8.1	10.5	6	54	8.9
DEC. 08...	17	440	260	10	2960	8.1	13.5	11	15	13.2
JAN., 1971 28...	62	490	230	10	3280	8.1	1.5	11	40	11.8
APR. 19...	76	400	220	8.9	2570	8.2	14.0	0	270	8.6
JUNE 08...	28	410	240	10	2790	8.1	19.0	5	180	8.2
AUG. 11...	1900	160	0	6.1	1040	8.1	23.5	10	11000	7.5

DATE	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METH-YLENE BLUE ACTIVE SUB-STANCE (MG/L)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)
OCT. 14...	80	20	8.0	3	.28	200	0	0	--	0
DEC. 08...	126	3	6.6	0	.18	--	--	--	--	--
JAN., 1971 28...	84	99	46	6	.29	10	0	0	0	--
APR. 19...	83	34	17	0	.00	--	--	--	--	--
JUNE 08...	87	24	4.3	0	.00	30	0	0	2	--
AUG. 11...	87	--	16	0	.09	--	--	--	--	--



TABLE 2.--07227500 CANADIAN RIVER NEAR AMARILLO, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT. 14...	1	4	38	3	90	50	--	0	2400	40
DEC. 08...	--	--	--	--	--	--	--	--	--	--
JAN., 1971 28...	0	6	34	0	100	110	<.5	0	2200	30
APR. 19...	--	--	--	--	--	--	--	--	--	--
JUNE 08...	0	4	30	4	90	6	.9	3	1900	30
AUG. 11...	--	--	--	--	--	--	--	--	--	--

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
OCT. 14...	1030	7.4	.00	<.2	.00	.2	.00	<.2	.01	.5
JAN., 1971 28...	0915	38	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JUNE 08...	0700	31	.00	<.2	.00	<.2	.00	<.2	.00	<.2

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN ROT-TOM DE-POSITS (UG/KG)	LINDANE (UG/L)	LINDANE IN ROT-TOM DE-POSITS (UG/KG)
OCT. 14...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.04	<.2
JAN., 1971 28...	.00	1.1	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JUNE 08...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2

DATE	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL PARA-THION (UG/L)	METHYL PARA-THION IN ROT-TOM DE-POSITS (UG/KG)	PARA-THION (UG/L)	PARA-THION IN BOTTOM DE-POSITS (UG/KG)	TOX-APHENE (UG/L)
OCT. 14...	.0	<1.0	.00	.00	<.2	.00	<.2	.00	<.2	.0
JAN., 1971 28...	.0	<1.0	.25	.00	<.2	.00	<.2	.00	<.2	.0
JUNE 08...	.0	<1.0	.00	.00	<.2	.00	<.2	.00	<.2	.0

DATE	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
OCT. 14...	<10	.08	<.6	.01	<.1	.00	<.1
JAN., 1971 28...	<10	.00	<5.5	.02	<.7	.00	<.5
JUNE 08...	<10	.00	<2.6	.00	<.8	.00	<.8

TABLE 3.--07228000 CANADIAN RIVER NEAR CANADIAN, TEX.  
(Lat 35°56'01", long 100°22'06")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SiO2) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG)	SODIUM PLUS PO-TAS-SIUM (NA+K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)
OCT. 13...	1640	4.2	22	87	36	310	276	0	130	480
DEC. 08...	1115	47	14	86	35	280	268	0	150	420
JAN., 1971 27...	1800	69	17	100	44	340	252	0	220	520
APR. 19...	1405	27	15	100	37	400	272	0	240	560
JUNE 08...	1245	2.4	30	60	18	95	308	0	13	120
AUG. 10...	1750	97	18	72	24	230	204	0	100	360

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA, MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)
OCT. 13...	1.4	.16	.000	.00	.00	.030	1200	360	140
DEC. 08...	1.9	--	.020	.83	.2	.000	1120	360	140
JAN., 1971 27...	4.1	--	.020	.18	.1	.060	1370	440	230
APR. 19...	4.6	--	.010	.18	.00	.11	1490	410	190
JUNE 08...	1.0	--	.010	.02	.1	.10	483	220	0
AUG. 10...	1.2	--	.010	.10	.6	.050	913	280	110

DATE	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	RIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT. 13...	7.1	2090	8.3	21.0	7.8	87	.5	--
DEC. 08...	6.4	1980	7.9	8.0	11.0	92	1.8	--
JAN., 1971 27...	7.0	2350	8.4	7.5	10.3	86	2.3	--
APR. 19...	8.7	2550	8.1	16.0	8.9	89	2.5	--
JUNE 08...	2.8	868	8.3	26.0	8.8	107	1.4	--
AUG. 10...	6.0	1610	8.1	31.0	6.5	87	2.9	.04

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)
OCT. 13...	1640	4.2	.00	.00	.00	.01	.00	.00	.00	.00	.00
JAN., 1971 27...	1800	69	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUNE 08...	1245	2.4	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	CHLOR-DANE (UG/L)	TOX-APHENE (UG/L)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
OCT. 13...	.0	.0	.00	.00	.00	.00	.00	.00	.00
JAN., 1971 27...	.0	.0	.00	.00	.00	.00	.00	.00	.00
JUNE 08...	.0	.0	.00	.00	.00	.00	.00	.00	.00

TABLE 4. 07299570 RED RIVER NEAR QUANAH, TEX.  
(Lat 34°24'47", long 99°44'03")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
NOV. 30...	1305	.94	.00	.00	.00	.01	.00	.00	.00	.00
JAN., 1971 27...	1510	2.5	.00	.00	.00	.00	.00	.00	.00	.00
JUNE 07...	1430	6.2	.00	.00	.00	.00	.00	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOX- APHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
NOV. 30...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00
JAN., 1971 27...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00
JUNE 07...	.00	.0	.0	.00	.00	.00	.00	.00	.01	.00

TABLE 5.--07312700 WICHITA RIVER NEAR CHARLIE, TEX.  
(Lat 34°03'11", long 98°17'47")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)
OCT.									
13...	0745	79	6.4	230	80	700	188	0	570
DEC.									
07...	1240	66	1.7	230	79	730	196	0	610
JAN., 1971									
27...	1200	55	1.2	280	100	780	220	0	610
APR.									
19...	0830	212	4.0	280	93	840	160	0	790
JUNE									
07...	1130	59	7.3	280	93	860	144	0	610
AUG.									
10...	1315	192	7.0	200	62	590	116	0	380

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA+MG) (MG/L)
OCT.									
13...	1180	.4	.34	.35	.86	1.2	1.8	2870	900
DEC.									
07...	1200	--	--	.26	1.3	1.0	.27	2970	900
JAN., 1971									
27...	1400	.4	--	.12	.37	.9	1.7	3290	1100
APR.									
19...	1400	.4	--	.32	.98	.5	1.2	3470	1100
JUNE									
07...	1600	.5	--	.020	.00	.00	1.0	3480	1100
AUG.									
10...	1100	--	--	.15	.14	1.3	.36	2380	740

DATE	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT.									
13...	750	10	4550	8.0	14.5	8.5	83	2.3	--
DEC.									
07...	740	11	4770	7.6	9.5	10.8	95	3.6	--
JAN., 1971									
27...	920	10	5680	8.7	7.5	15.0	125	4.3	--
APR.									
19...	950	11	5740	7.3	20.5	6.4	70	7.6	--
JUNE									
07...	960	11	5930	7.6	27.0	11.4	141	6.5	--
AUG.									
10...	640	9.3	4090	7.4	29.0	6.4	82	4.2	.08

TABLE 6.--07316000 RED RIVER NEAR GAINESVILLE, TEX.  
(Lat 33°43'40", long 97°09'35")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)
OCT. 21...	1700	222	.00	.00	.00	.00	.00	.00	.00	.00	.00
JAN. 30, 1971	1330	155	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUNE 21...	1355	1380	.00	.00	.02	.00	.00	.00	.00	.00	.00

DATE	CHLOR-DANE (UG/L)	TOX-APHENE (UG/L)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
OCT. 21...	.0	.0	.00	.00	.00	.00	.00	.00	.00
JAN. 30, 1971	.0	.0	.00	.00	.00	.00	.00	.02	.00
JUNE 21...	.0	.0	.00	.00	.00	.00	.00	.01	.01

TABLE 7.--07336820 RED RIVER NEAR DEKALE, TEX.  
(Lat 33°41'15", long 94°41'39")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
OCT. 21...	1250	6600	5.8	32	6.8	40	84	0	38	60	.2	.18
DEC. 10...	1650	2270	4.7	67	23	120	166	0	110	190	.2	.15
FEB., 1971 02...	1215	2350	4.7	76	22	110	208	0	100	170	.3	.14
APR. 22...	1030	7360	3.6	58	16	98	156	0	86	140	.2	.30
JUNE 23...	1810	1910	.5	64	20	110	148	0	110	180	.3	.06
AUG. 24...	1430	3930	4.0	75	22	160	148	0	140	260	.3	.26

DATE	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)
OCT. 21...	.020	.00	.2	.13	225	116	2	110	39	1.7	400	7.5
DEC. 10...	.000	.00	.2	.030	597	19	15	260	120	3.2	1090	7.7
FEB., 1971 02...	.000	.04	.1	.11	590	25	0	280	110	2.9	1070	8.1
APR. 22...	.000	.14	.3	.070	485	428	42	210	84	2.9	886	7.8
JUNE 23...	.000	.00	.1	.040	560	33	6	240	120	3.1	1010	8.4
AUG. 24...	.010	.00	.00	.13	741	98	23	280	150	4.2	1270	8.3

DATE	TEMP-ERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUR-STANCE (MG/L)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)
OCT. 21...	16.5	10	70	9.2	93	4	1.7	0	.02	200	0	0
DEC. 10...	16.0	7	10	11.7	117	0	2.6	0	.02	--	--	--
FEB., 1971 02...	6.0	0	10	11.6	93	15	4.1	1	.06	0	0	0
APR. 22...	20.0	0	80	8.2	89	15	2.2	0	.00	--	--	--
JUNE 23...	29.0	5	15	8.8	113	15	2.3	1	.00	20	0	0
AUG. 24...	30.5	6	40	8.2	108	3	2.0	0	.01	--	--	--

DATE	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT. 21...	0	0	0	4	83	0	0	2	1.3	9	180	0
DEC. 10...	--	--	--	--	--	--	--	--	--	--	--	--
FEB., 1971 02...	0	--	0	0	22	0	20	10	<.5	0	660	3
APR. 22...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 23...	0	--	0	3	30	0	10	11	<.5	0	650	50
AUG. 24...	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 7.--07336820 RED RIVER NEAR DEKALB, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
OCT. 21...	1250	6600	.00	<.2	.00	<.2	.00	<.2	.00	<.2
FEB. 02... 1971	1215	2350	.00	<.2	.00	7.8	.00	17	.00	8.3
JUNE 23...	1810	1910	.00	<.2	.00	<.2	.00	<.2	.00	<.2

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOT-TOM DE-POSITS (UG/KG)	LINDANE (UG/L)
OCT. 21...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
FEB. 02... 1971	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
JUNE 23...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00

DATE	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL-PARA-THION (UG/L)	METHYL-PARA-THION IN BOT-TOM DE-POSITS (UG/KG)	PARA-THION (UG/L)
OCT. 21...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
FEB. 02... 1971	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
JUNE 23...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00

DATE	PARA-THION IN BOTTOM DE-POSITS (UG/KG)	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
OCT. 21...	<.2	.0	<10	.00	<3.8	.01	<.5	.00	<.3
FEB. 02... 1971	<.2	.0	<10	.00	<.9	.01	<.1	.00	<.1
JUNE 23...	<.2	.0	<10	.00	<.6	.00	<.2	.00	<.2



TABLE 8.--07343200 SULPHUR RIVER NEAR TALCO, TEX.  
(Lat 33°23'11", long 95°07'57")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HC03) (MG/L)	CARBONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)
OCT. 21...	1000	61	9.0	44	4.8	21	144	0	39	11	.3	.20
DEC. 10...	1810	17	7.2	90	11	60	248	0	120	50	.3	.18
FEB. 02... 1971	1445	18	2.3	97	9.2	68	248	0	140	53	.3	.14
APR. 22...	0910	28	1.6	84	8.4	86	172	0	180	71	.3	.21
JUNE 23...	2000	.48	8.8	86	11	64	270	0	110	42	.5	.12
AUG. 24...	1300	41	9.5	45	3.8	22	152	0	34	10	.3	.29

DATE	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	LOSS ON IGNITION (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)
OCT. 21...	.010	.02	.3	.18	202	76	0	130	10	.8	320	7.5
DEC. 10...	.000	.02	.2	.000	464	31	14	270	67	1.6	729	7.4
FEB. 02... 1971	.000	.06	.1	.030	495	36	6	280	77	1.8	774	7.5
APR. 22...	.000	.13	.1	.040	518	117	19	240	100	2.4	825	7.5
JUNE 23...	.000	.00	.1	.050	458	149	10	260	38	1.7	741	7.8
AUG. 24...	.010	.07	.5	.25	202	232	40	130	3	.8	336	6.8

DATE	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DIS-SOLVED ALUMINUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)
OCT. 21...	15.0	5	45	8.6	84	2	2.1	0	.12	100	5	0
DEC. 10...	15.0	10	15	8.9	87	0	2.2	0	.01	--	--	--
FEB. 02... 1971	7.0	0	10	10.9	89	24	.9	1	.02	0	0	0
APR. 22...	20.5	0	45	7.0	77	7	2.1	0	.00	--	--	--
JUNE 23...	29.0	5	50	7.2	92	15	2.6	2	.00	10	0	0
AUG. 24...	29.0	40	140	5.2	67	19	1.8	0	.00	--	--	--

DATE	DIS-SOLVED CHROMIUM (CR) (UG/L)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRONTIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT. 21...	--	0	0	3	48	2	0	24	.6	9	360	0
DEC. 10...	--	--	--	--	--	--	--	--	--	--	--	--
FEB. 02... 1971	0	--	0	0	18	0	20	110	<.5	0	1100	5
APR. 22...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 23...	0	--	0	5	20	0	10	120	<.5	3	930	40
AUG. 24...	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 8.--07343200 SULPHUR RIVER NEAR TALCO, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
OCT. 21...	1000	61	.00	<.2	.00	13	.00	18	.00	<.2
FEB. 02...	1445	18	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JUNE 23...	2000	.48	.00	<.2	.00	7.6	.00	14	.00	3.5

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOT-TOM DE-POSITS (UG/KG)	LINDANE (UG/L)	LINDANE IN BOTTOM DE-POSITS (UG/KG)
OCT. 21...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2
FEB. 02...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JUNE 23...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2

DATE	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	DI-AZINON IN BOTTOM DE-POSITS (UG/KG)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL-PARA-THION (UG/L)	METHYL-PARA-THION IN BOT-TOM DE-POSITS (UG/KG)	PARA-THION (UG/L)
OCT. 21...	.0	<1.0	.00	--	.00	<.2	.00	<.2	.00
FEB. 02...	.0	<1.0	.00	--	.00	<.2	.00	<.2	.00
JUNE 23...	.0	<1.0	.00	--	.00	<.2	.00	<.2	.00

DATE	PARA-THION IN BOTTOM DE-POSITS (UG/KG)	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
OCT. 21...	<.2	.0	<10	.00	<7.7	.00	<.6	.00	<.5
FEB. 02...	<.2	.0	<10	.00	<2.1	.00	<.3	.00	<.2
JUNE 23...	<.2	.0	<10	.00	<1.6	.00	<.5	.00	<.5

TABLE 9.--07346070 LITTLE CYPRESS CREEK NEAR JEFFERSON, TEX.  
(Lat 32°42'46", long 94°20'44")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-SOLVED CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
OCT.												
20...	1630	25	14	6.0	1.7	30	20	0	23	32	.1	.25
DEC.												
10...	1435	56	21	7.0	2.8	35	20	0	15	52	.2	.34
FEB., 1971												
02...	0940	91	18	7.0	2.6	40	16	0	16	61	.0	.39
APR.												
22...	1435	130	17	8.5	3.1	38	23	0	14	58	.1	.23
JUNE												
23...	1450	.60	20	8.0	3.4	40	33	0	14	56	.1	.06
AUG.												
24...	1620	22	21	9.2	3.7	22	20	0	32	25	.1	.39

DATE	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTION (MICRO-MHOS)	PH (UNITS)
OCT.												
20...	.010	.00	.2	.090	118	28	8	22	6	2.8	188	7.0
DEC.												
10...	.000	.10	.1	.020	144	10	5	29	13	2.8	229	6.7
FEB., 1971												
02...	.000	.10	.1	.080	153	15	0	28	15	3.3	253	6.5
APR.												
22...	.000	.21	.3	.050	151	24	14	34	15	2.8	266	7.0
JUNE												
23...	.010	.00	.2	.15	158	37	2	34	7	3.0	264	6.9
AUG.												
24...	.010	.05	.4	.12	125	20	12	38	22	1.5	196	6.9

DATE	TEMP-ERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)
OCT.												
20...	16.5	20	15	7.9	80	0	1.7	1	.05	200	0	1
DEC.												
10...	15.0	55	6	9.0	88	2	2.1	0	.04	--	--	--
FEB., 1971												
02...	8.5	45	10	10.8	92	17	.3	0	.04	100	0	0
APR.												
22...	21.5	65	10	7.0	79	16	1.1	0	.00	--	--	--
JUNE												
23...	27.0	80	30	3.9	48	22	2.7	0	.04	220	0	0
AUG.												
24...	28.0	95	15	5.0	63	25	.6	0	.17	--	--	--

DATE	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT.												
20...	--	0	0	14	910	2	0	24	2.5	8	240	50
DEC.												
10...	--	--	--	--	--	--	--	--	--	--	--	--
FEB., 1971												
02...	0	--	0	0	910	0	10	80	<.5	0	200	14
APR.												
22...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
23...	0	--	0	3	2000	0	10	1500	<.5	7	330	50
AUG.												
24...	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 9.--07346070 LITTLE CYPRESS CREEK NEAR JEFFERSON, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
OCT. 20...	1630	25	.00	<.2	.00	<.2	.00	<.2	.00	<.2
FEB., 1971 02...	0940	91	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JUNE 23...	1450	.60	.00	<.2	.00	14	.00	<.2	.00	<.2

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOT-TOM DE-POSITS (UG/KG)	LINDANE (UG/L)
OCT. 20...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
FEB., 1971 02...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
JUNE 23...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00

DATE	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL-PARA-THION (UG/L)	METHYL-PARA-THION IN BOT-TOM DE-POSITS (UG/KG)	PARA-THION (UG/L)
OCT. 20...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
FEB., 1971 02...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
JUNE 23...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00

DATE	PARA-THION IN BOTTOM DE-POSITS (UG/KG)	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOT-TOM DE-POSITS (UG/KG)
OCT. 20...	<.2	.0	<10	.00	<1.5	.00	<.2	.00	<.2
FEB., 1971 02...	<.2	.0	<10	.00	<3.8	.00	<.6	.00	<.4
JUNE 23...	<.2	.0	<10	.00	<2.3	.00	<.6	.00	<.6

TABLE 10.--0817500 SABINE RIVER NEAR EMORY, TEX.  
(Lat 32°46'23", long 95°47'56")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)
OCT. 20...	1100	1580	2.2	27	3.1	13	105	0
DEC. 10...	1050	25	.0	29	3.8	18	116	0
FEB. 01...	1415	276	.0	28	3.4	12	108	0
APR. 22...	1900	4.4	1.2	39	4.5	20	136	0
AUG. 24...	1040	20	8.5	13	2.8	6.9	56	0

DATE	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)
OCT. 20...	13	5.6	.2	.000	.00	.10	.040	116	80
DEC. 10...	18	9.4	.2	.000	.02	.00	.000	135	88
FEB. 01...	13	4.6	.2	.000	.04	.00	.020	114	84
APR. 22...	28	13	.2	.000	.07	.30	.070	174	120
AUG. 24...	7.2	3.0	.2	.010	.02	.20	.13	71	44

DATE	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT. 20...	0	.6	204	7.6	17.5	8.4	88	2.8	--
DEC. 10...	0	.8	230	7.1	15.0	8.8	86	2.6	--
FEB. 01...	0	.6	205	7.9	9.5	11.1	97	.9	--
APR. 22...	5	.8	306	7.3	23.0	7.8	90	4.5	--
AUG. 24...	0	.5	121	7.1	27.5	4.4	55	1.6	.02

TABLE 11.--08020000 SABINE RIVER NEAR GLADEWATER, TEX.  
(Lat 32°31'37", long 94°57'36")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM PLUS POTAS- SIUM (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)
OCT. 20...	1230	1790	5.9	14	2.2	13	55	0
DEC. 10...	1300	227	15	14	4.1	34	33	0
FEB. 01...	1550	517	5.6	21	5.0	44	64	0
APR. 22...	1830	291	12	16	5.9	40	32	0
JUNE 23...	1125	32	11	18	6.1	49	44	0
AUG. 24...	1815	175	11	10	3.7	29	30	0

DATE	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA+MG) (MG/L)
OCT. 20...	12	9.6	.2	.010	.00	.20	.10	85	44
DEC. 10...	23	52	.1	.000	.00	.20	.000	159	52
FEB. 01...	27	62	.3	.000	.04	.10	.030	196	73
APR. 22...	37	61	.2	.020	.14	.20	.070	189	64
JUNE 23...	33	74	.5	.010	.00	.20	.080	215	70
AUG. 24...	18	41	.2	.010	.08	.50	.17	130	40

DATE	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)	TEMP- ERATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
OCT. 20...	0	.9	145	7.2	16.0	8.0	80	2.3	--
DEC. 10...	25	2.1	274	6.8	15.5	9.2	91	1.6	--
FEB. 01...	21	2.2	352	7.4	10.5	11.2	100	1.3	--
APR. 22...	38	2.2	333	6.9	22.5	8.6	98	1.7	--
JUNE 23...	34	2.5	385	7.2	28.5	5.6	71	2.1	--
AUG. 24...	15	2.0	237	7.0	28.0	6.1	77	1.3	.03

TABLE 12.--08022000 SABINE RIVER NEAR TATUM, TEX.  
(Lat 32°22'11", long 94°27'28")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)
OCT. 20...	1430	1320	7.8	10	2.7	49	34	0	18	66	.3	.29
DEC. 10...	1345	340	13	16	5.4	68	52	0	25	100	.2	.34
FEB. 01...	1735	630	7.6	20	5.1	55	57	0	31	78	.2	.26
APR. 22...	1710	475	12	18	6.1	88	44	0	34	140	.2	.26
JUNE 23...	1250	65	9.4	19	6.4	85	73	0	51	100	.4	.46
AUG. 24...	1715	312	14	14	5.4	70	36	0	35	100	.3	.30

DATE	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	LOSS ON IGNITION (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)
OCT. 20...	.030	.14	.40	.15	173	208	36	36	8	3.6	308	7.2
DEC. 10...	.030	.24	.30	.11	255	18	12	62	19	3.8	460	6.8
FEB. 01...	.010	.04	.10	.080	225	27	0	71	24	2.8	408	7.3
APR. 22...	.030	.41	.30	.14	317	37	17	70	34	4.6	584	6.8
JUNE 23...	.040	.00	.40	.10	311	31	6	74	14	4.3	563	7.4
AUG. 24...	.030	.16	.50	.26	259	38	19	57	28	4.0	465	7.2

DATE	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DIS-SOLVED ALUMINUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)
OCT. 20...	17.5	30	75	8.0	83	8	2.7	0	.10	200	0	0
DEC. 10...	16.0	12	7	8.8	88	3	3.9	0	.10	--	--	--
FEB. 01...	11.0	0	10	10.1	91	19	2.7	0	.06	30	0	0
APR. 22...	23.0	10	15	5.1	59	16	3.7	0	.04	--	--	--
JUNE 23...	30.5	10	10	7.2	95	27	3.0	0	.06	20	0	0
AUG. 24...	29.5	30	9	6.0	78	18	1.7	0	.07	--	--	--

DATE	DIS-SOLVED CHROMIUM (CR) (UG/L)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRONTIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT. 20...	--	0	0	4	430	0	0	15	.9	8	110	0
DEC. 10...	--	--	--	--	--	--	--	--	--	--	--	--
FEB. 01...	0	--	0	0	110	0	20	110	<.5	0	270	10
APR. 22...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 23...	0	--	0	5	350	0	20	410	.6	7	370	50
AUG. 24...	--	--	--	--	--	--	--	--	--	--	--	--



TABLE 12.--08022000 SABINE RIVER NEAR TATUM, TEX.--Continued  
 WATER QUALITY DATA. WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE- POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE- POSITS (UG/KG)	DOE (UG/L)	DDE IN BOTTOM DE- POSITS (UG/KG)	DOT (UG/L)	DDT IN BOTTOM DE- POSITS (UG/KG)	DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM DE- POSITS (UG/KG)	ENDRIN (UG/L)
OCT. 20...	1430	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
FEB. 01...	1735	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
JUNE 23...	1250	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00

DATE	ENDRIN IN BOTTOM DE- POSITS (UG/KG)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM DE- POSITS (UG/KG)	HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM DE- POSITS (UG/KG)	LINDANE (UG/L)	LINDANE IN BOTTOM DE- POSITS (UG/KG)	CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM DE- POSITS (UG/KG)	DI- AZINON (UG/L)	MALA- THION (UG/L)	MALA- THION IN BOTTOM DE- POSITS (UG/KG)
OCT. 20...	<.2	.00	<.2	.00	<.2	.00	<.2	.0	<1.0	.00	.00	<.2
FEB. 01...	<.2	.00	<.2	.00	<.2	.00	<.2	.0	<1.0	.00	.00	<.2
JUNE 23...	<.2	.00	<.2	.00	<.2	.00	<.2	.0	<1.0	.00	.00	<.2

DATE	METHYL PARA- THION (UG/L)	METHYL IN BOT- TOM DE- POSITS (UG/KG)	PARA- THION (UG/L)	PARA- THION IN BOTTOM DE- POSITS (UG/KG)	TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM DE- POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE- POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE- POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE- POSITS (UG/KG)
OCT. 20...	.00	<.2	.00	<.2	.0	<10	.00	<1.2	.01	<.2	.00	<.1
FEB. 01...	.00	<.2	.00	<.2	.0	<10	.00	<1.1	.00	<.1	.00	<.1
JUNE 23...	.00	<.2	.00	<.2	.0	<10	.00	<1.4	.00	<.4	.00	<.4

TABLE 13.--08025360 SABINE RIVER AT TOLEDO BEND DAM, NEAR BURKEVILLE, TEX.  
(Lat 31°11'22", long 93°34'23")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE- SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS- SIUM (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
OCT. 20...	1030	4.4	11	3.3	22	47	0	12
DEC. 08...	0900	2.1	12	3.6	17	45	0	8.6
FEB. 24...	0900	2.9	12	3.5	18	44	0	10
APR. 23...	1600	5.2	11	3.6	23	48	0	12
JUNE 18...	1115	1.9	12	3.4	21	45	0	12
AUG. 19...	1515	5.5	12	3.5	24	51	0	13

DATE	DIS-SOLVED CHLO- RIDE (CL) (MG/L)	DIS-SOLVED FLUO- RIDE (F) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA+MG) (MG/L)
OCT. 20...	26	.1	.29	.000	.00	.00	.13	102	41
DEC. 08...	25	.1	.32	.000	.00	.10	.030	91	45
FEB. 24...	26	.1	--	.000	.00	.20	.000	95	44
APR. 23...	27	.2	--	.010	.00	.20	.000	107	42
JUNE 18...	28	.1	--	.000	.00	.10	.000	101	44
AUG. 19...	29	.0	--	.000	.00	.00	.000	112	44

DATE	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)	TEMP- ERATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)
OCT. 20...	2	1.5	187	6.7	19.0	6.9	73	.8
DEC. 08...	8	1.1	179	6.7	13.0	7.2	68	.9
FEB. 24...	8	1.2	185	7.0	11.0	9.6	86	1.2
APR. 23...	3	1.5	196	6.7	14.5	4.2	41	1.6
JUNE 18...	7	1.4	193	7.0	23.0	5.2	60	2.7
AUG. 19...	3	1.6	200	6.6	16.0	2.1	21	1.4

DATE	TIME	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
APR. 24...	1215	.00	.00	.00	.00	.00	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
APR. 24...	.00	.0	.0	.00	.00	.00	.00	.00	.01	.00

TABLE 14.--08026000 SABINE RIVER BELOW TOLEDO BEND, NEAR BURKEVILLE, TEX.  
(Lat 31°03'50", long 93°31'10")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-SOLVED CHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
OCT. 20...	1130	554	4.1	9.5	3.1	18	38	0	9.2	24	.0	.19
DEC. 08...	1000	870	3.8	12	3.5	16	44	0	8.6	24	.1	.44
FEB. 24...	1015	2350	3.6	12	3.4	17	43	0	9.8	25	.2	.32
APR. 23...	1445	201	11	9.5	2.8	17	40	0	9.2	20	.2	.03
JUNE 18...	1030	213	2.3	12	3.4	21	46	0	11	28	.1	.23
AUG. 19...	1420	211	11	12	3.0	19	48	0	11	23	.0	.22

DATE	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC CONO-UCTANCE (MICRO-MHOS)	PH (UNITS)
OCT. 20...	.000	.00	.00	.12	87	17	16	36	5	1.3	160	6.8
DEC. 08...	.000	.00	.10	.030	90	7	6	44	8	1.0	175	6.7
FEB. 24...	.000	.00	.20	.010	93	8	0	44	9	1.1	180	7.0
APR. 23...	.000	.00	.10	.020	90	17	9	35	2	1.2	154	8.1
JUNE 18...	.000	.00	.10	.000	101	9	8	44	6	1.4	192	7.0
AUG. 19...	.000	.00	.00	.020	103	19	15	42	3	1.3	176	7.1

DATE	TEMP-ERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)
OCT. 20...	18.0	10	3	7.9	83	13	1.0	3	.00	0	0	0
DEC. 08...	11.0	20	1	7.9	71	68	1.1	3	.01	--	--	--
FEB. 24...	11.0	5	4	9.8	88	6	.6	3	.00	10	0	0
APR. 23...	26.0	10	9	10.0	122	20	3.4	1	.01	30	0	0
JUNE 18...	26.0	0	4	6.4	78	18	4.4	0	.00	10	0	0
AUG. 19...	28.5	20	4	8.0	103	20	2.3	0	.00	--	--	--

DATE	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT. 20...	--	0	0	2	45	0	0	6	<.5	5	170	0
DEC. 08...	--	--	--	--	--	--	--	--	--	--	--	--
FEB. 24...	0	--	0	3	27	0	0	18	<.5	0	150	3
APR. 23...	0	--	0	4	200	0	0	69	<.5	0	150	0
JUNE 18...	0	--	0	3	10	0	10	2	<.5	0	200	0
AUG. 19...	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 14.--08026000 SABINE RIVER BELOW TOLEDO BEND, NEAR BURKEVILLE, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE- POSIT (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE- POSIT (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE- POSIT (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE- POSIT (UG/KG)	DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM DE- POSIT (UG/KG)	ENDRIN (UG/L)
OCT. 20...	1130	.00	<.2	.00	.7	.00	.3	.00	<.2	.00	<.2	.00
FEB. 24...	1015	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
APR. 23...	1445	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
JUNE 18...	1030	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00

DATE	ENDRIN IN BOTTOM DE- POSIT (UG/KG)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM DE- POSIT (UG/KG)	HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM DE- POSIT (UG/KG)	LINDANE (UG/L)	LINDANE IN BOTTOM DE- POSIT (UG/KG)	CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM DE- POSIT (UG/KG)	DI- AZINON (UG/L)	MALA- THION (UG/L)	MALA- THION IN BOTTOM DE- POSIT (UG/KG)
OCT. 20...	<.2	.00	<.2	.00	<.2	.00	<.2	.0	<1.0	.00	.00	<.2
FEB. 24...	<.2	.00	<.2	.00	<.2	.00	<.2	.0	<1.0	--	.00	<.2
APR. 23...	<.2	.00	<.2	.00	<.2	.00	<.2	.0	<1.0	.01	.00	<.2
JUNE 18...	<.2	.00	<.2	.00	<.2	.00	<.2	.0	<1.0	.00	.00	<.2

DATE	METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM DE- POSIT (UG/KG)	PARA- THION (UG/L)	PARA- THION IN BOTTOM DE- POSIT (UG/KG)	TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM DE- POSIT (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE- POSIT (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE- POSIT (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE- POSIT (UG/KG)
OCT. 20...	.00	<.2	.00	<.2	.0	<10	.00	<2.5	.00	<.4	.00	<.3
FEB. 24...	.00	<.2	.00	<.2	.0	<10	.00	<1.7	.00	<.2	.00	<.2
APR. 23...	.00	<.2	.00	<.2	.0	<10	.00	<.6	.00	<.2	.00	<.2
JUNE 18...	.00	<.2	.00	<.2	.0	<10	.00	<1.0	.00	<.2	.00	<.2

TABLE 15.--08030500 SABINE RIVER NEAR RULIFF, TEX.  
(Lat 30°18'13", long 93°44'37")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE- SIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS- SIUM (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)
OCT. 20...	1215	1570	11	6.8	2.2	17	34	0	13	15	.0	.24
DEC. 16...	1045	1500	8.1	8.8	2.9	18	41	0	12	19	.0	.26
FEB. 22...	1245	4160	.0	9.5	2.3	19	37	0	11	22	.0	.20
APR. 06...	1045	1220	14	7.5	2.7	14	33	0	12	14	.0	.23
JUNE 15...	1020	2960	3.0	12	2.4	24	42	0	15	30	.0	.15
AUG. 17...	0930	3310	7.2	10	1.5	21	37	0	12	24	.0	.23

DATE	DIS- SOLVED NITRITE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUTENTS) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	LOSS ON IGNI- TION (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)
OCT. 20...	.010	.10	.10	.080	83	29	2	26	0	1.4	134	6.7
DEC. 16...	.010	.14	.10	.050	89	22	20	34	0	1.3	165	6.4
FEB. 22...	.010	.07	.30	.050	83	39	13	33	3	1.4	159	6.9
APR. 06...	.000	.00	.20	.080	81	38	32	30	3	1.1	133	6.4
JUNE 15...	.000	.08	.00	.050	108	54	4	40	6	1.7	199	7.8
AUG. 17...	.020	.27	.10	.080	95	126	8	31	1	1.6	176	6.3

DATE	TEMP- ERATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	RIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METHY- LENE BLUE ACTIVE SUR- STANCE (MG/L)	DIS- SOLVED ALUM- INUM (AL) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)
OCT. 20...	19.5	70	40	7.4	80	22	1.8	0	.00	100	0	0
DEC. 16...	12.5	40	10	8.8	82	19	1.0	0	.01	--	--	--
FEB. 22...	15.0	20	20	9.2	90	22	1.4	0	.00	20	0	0
APR. 06...	17.0	100	30	9.6	99	30	1.1	0	.00	--	--	--
JUNE 15...	28.5	60	30	7.2	92	28	3.9	0	.00	20	0	1
AUG. 17...	29.5	60	120	5.9	77	21	2.3	0	.00	90	0	0

DATE	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED LITHIUM (LI) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	DIS- SOLVED STRON- TIUM (SR) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT. 20...	--	0	0	4	15	0	0	34	.5	3	120	0
DEC. 16...	--	--	--	--	--	--	--	--	--	--	--	--
FEB. 22...	0	--	0	4	70	0	0	31	.7	4	150	14
APR. 06...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 15...	0	--	0	10	70	0	0	1	<.5	0	180	50
AUG. 17...	0	--	0	9	440	0	0	40	1.4	3	140	30

TABLE 15.--08030500 SABINE RIVER NEAR RULIFF, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
OCT. 20...	1215	1570	.00	<.2	.00	<.2	.00	<.2	.00	<.2
FEB. 22...	1245	4160	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JUNE 15...	1020	2960	.00	<.2	.00	<.2	.00	<.2	.00	<.2
AUG. 17...	0930	3310	.00	<.2	.00	<.2	.00	<.2	.00	<.2

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM DE-POSITS (UG/KG)	LINDANE (UG/L)
OCT. 20...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
FEB. 22...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
JUNE 15...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
AUG. 17...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00

DATE	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM DE-POSITS (UG/KG)	PARA-THION (UG/L)
OCT. 20...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
FEB. 22...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
JUNE 15...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
AUG. 17...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00

DATE	PARA-THION IN BOTTOM DE-POSITS (UG/KG)	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
OCT. 20...	<.2	.0	<10	.00	<1.1	.00	<.1	.00	<.1
FEB. 22...	<.2	.0	<10	.00	<2.1	.00	<.2	.00	<.2
JUNE 15...	<.2	.0	<10	.00	<2.0	.00	<.6	.00	<.6
AUG. 17...	<.2	.0	<10	.00	<1.4	.03	<.5	.00	<.5

TABLE 16.--08032500 NECHES RIVER NEAR ALTO, TEX.  
(Lat 31°34'45", long 95°09'55")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
OCT.									
08...	1730	81	13	11	4.3	33	38	0	19
19...	1400	130	16	12	4.6	37	34	0	24
NOV.									
12...	1540	1310	7.5	6.0	1.7	20	11	0	39
DEC.									
07...	1400	358	15	12	4.6	30	25	0	27
22...	1600	465	14	11	5.0	30	26	0	24
JAN., 1971									
26...	1000	335	3.6	13	4.3	42	26	0	25
FEB.									
22...	1455	630	14	11	3.9	41	21	0	19
25...	1620	671	12	10	4.1	30	20	0	25
APR.									
01...	--	238	12	14	6.1	46	27	0	28
24...	1220	236	18	18	6.4	88	32	0	21
MAY									
07...	0720	--	16	14	5.6	67	34	0	15
JUNE									
14...	1435	43	13	14	9.7	43	53	0	16
19...	1145	34	15	15	5.6	48	57	0	16
JULY									
15...	1630	17	3.9	14	6.6	45	47	0	23
AUG.									
19...	1155	52	12	17	6.5	60	37	0	28
20...	1115	39	15	17	6.6	61	38	0	30
SEP.									
29...	1520	73	17	12	5.1	34	40	0	17

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)
OCT.									
08...	46	.2	--	--	--	.2	--	146	45
19...	54	.1	.20	.000	.00	.1	.050	165	49
NOV.									
12...	11	.0	--	--	--	.1	--	91	22
DEC.									
07...	47	.1	.24	.000	.00	.00	.050	148	49
22...	46	.0	--	--	--	.3	--	144	48
JAN., 1971									
26...	65	.0	--	--	--	.5	--	168	50
FEB.									
22...	66	.2	--	.000	.17	.4	.060	167	44
25...	46	.0	--	--	--	.2	--	138	42
APR.									
01...	76	.0	--	--	--	.4	--	197	60
24...	150	.1	--	.020	.00	.2	.070	320	72
MAY									
07...	110	.0	--	--	--	.7	--	250	58
JUNE									
14...	76	.1	--	--	--	.3	--	199	75
19...	72	.1	--	.000	.00	.2	.090	201	60
JULY									
15...	68	.2	--	--	--	.1	--	184	62
AUG.									
19...	98	.1	--	--	--	.2	--	240	69
20...	99	.1	--	.000	.08	.00	.020	248	70
SEP.									
29...	53	.0	--	--	--	.1	--	158	51

TABLE 16.--08032500 NECHES RIVER NEAR ALTO, TEX.--Continued

## WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND (MG/L)
OCT.								
08...	14	2.1	261	6.8	23.0	--	--	--
19...	21	2.3	296	6.9	16.5	8.6	88	.6
NOV.								
12...	13	1.9	112	6.2	--	--	--	--
DEC.								
07...	28	1.9	261	6.6	14.5	8.4	82	1.2
22...	27	1.9	272	6.9	15.0	--	--	--
JAN., 1971								
26...	29	2.6	337	7.4	14.5	--	--	--
FEB.								
22...	26	2.7	300	6.8	13.5	8.8	84	1.9
25...	26	2.0	263	6.4	14.5	--	--	--
APR.								
01...	38	2.6	376	6.4	15.5	--	--	--
24...	46	4.5	607	6.9	21.5	7.5	84	1.8
MAY								
07...	30	3.8	469	6.7	--	--	--	--
JUNE								
14...	32	2.2	380	7.2	30.5	--	--	--
19...	14	2.7	371	6.8	17.0	5.7	59	6.2
JULY								
15...	24	2.5	355	6.8	32.0	--	--	--
AUG.								
19...	39	3.1	448	6.7	28.0	--	--	--
20...	38	3.2	461	7.3	27.5	6.7	84	2.0
SEP.								
29...	18	2.1	303	6.8	26.5	--	--	--



TABLE 17.--08033000 NECHES RIVER NEAR DIBOLL, TEX.  
(Lat 31°07'59", long 94°48'36")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HC03) (MG/L)	CARBONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)
OCT.									
22...	1400	210	12	9.2	3.6	35	46	0	17
DEC.									
09...	1400	398	14	13	4.3	25	25	0	28
FEB.									
23...	0845	506	13	13	4.8	53	32	0	20
APR.									
23...	1120	542	13	11	4.4	46	27	0	20
JUNE									
17...	1400	98	15	14	5.4	60	90	0	23
AUG.									
18...	1315	54	13	12	4.2	49	51	0	28

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)
OCT.									
22...	41	.0	.43	.000	.00	.00	.33	141	38
DEC.									
09...	39	.1	.30	.000	.00	.10	.080	136	50
FEB.									
23...	84	.2	--	.000	.00	.30	.14	205	52
APR.									
23...	72	.2	--	.000	.00	.20	.10	180	46
JUNE									
17...	64	.2	--	.010	.30	.20	.030	227	58
AUG.									
18...	60	.1	--	.000	.32	.00	.16	192	47

DATE	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND (MG/L)
OCT.								
22...	0	2.5	246	6.9	17.5	6.6	69	3.1
DEC.								
09...	30	1.5	266	6.4	15.0	8.0	78	2.9
FEB.								
23...	26	3.2	380	6.9	12.0	9.4	87	2.7
APR.								
23...	23	3.0	332	6.8	22.0	7.0	80	2.5
JUNE								
17...	0	3.5	407	7.2	29.0	7.2	92	22
AUG.								
18...	5	3.1	342	7.1	28.0	5.9	75	3.5

TABLE 18.--08033500 NECHES RIVER NEAR ROCKLAND, TEX.  
(Lat 31°01'45", long 94°23'46")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG/L)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
OCT.												
21...	1500	224	12	9.8	3.5	36	45	0	23	39	.0	.55
NOV.												
05...	1025	--	11	10	3.9	31	32	0	21	41	.0	--
DEC.												
03...	1205	993	12	8.8	3.4	19	18	0	26	25	.0	--
08...	1330	478	14	10	3.9	23	22	0	26	32	.2	.25
JAN., 1971												
05...	0945	658	15	11	4.3	28	32	0	25	38	.0	--
FEB.												
09...	1230	325	12	14	4.1	45	34	0	25	67	.0	--
23...	1345	264	11	14	4.6	48	34	0	22	76	.2	.77
MAR.												
16...	0935	490	12	13	5.2	46	37	0	26	68	.0	--
APR.												
23...	1230	552	11	15	6.0	72	38	0	22	120	.2	.03
26...	1710	435	16	12	4.1	47	28	0	22	72	.0	--
MAY												
28...	1245	--	15	11	4.5	29	30	0	15	48	.0	--
JUNE												
18...	1400	74	16	16	4.9	42	48	0	17	66	.1	.45
JULY												
09...	0900	53	11	13	5.2	49	65	0	16	63	.1	--
AUG.												
03...	1200	53	10	16	7.8	60	81	0	16	84	.1	--
19...	1220	56	12	14	4.9	60	79	0	27	66	.2	.34
SEP.												
10...	1510	44	15	11	5.5	41	42	0	27	54	.0	--

DATE	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)
OCT.												
21...	.000	.00	.1	.26	146	966	928	39	2	2.5	253	7.0
NOV.												
05...	--	--	.5	--	136	--	--	41	15	2.1	280	7.1
DEC.												
03...	--	--	.1	--	104	--	--	36	21	1.4	189	6.4
08...	.000	.00	.1	.060	120	27	3	41	23	1.6	210	6.4
JAN., 1971												
05...	--	--	.2	--	138	--	--	45	19	1.8	257	6.9
FEB.												
09...	--	--	.2	--	185	--	--	52	24	2.7	357	6.6
23...	.000	.00	.1	.10	193	38	6	54	26	2.8	357	6.0
MAR.												
16...	--	--	.00	--	188	--	--	54	24	2.7	361	6.5
APR.												
23...	.000	.00	.1	.12	262	139	21	62	31	4.0	492	7.1
26...	--	--	.2	--	188	--	--	47	24	3.0	340	6.8
MAY												
28...	--	--	.3	--	139	--	--	46	21	1.9	259	6.2
JUNE												
18...	.010	.00	.2	.040	187	72	24	60	21	2.4	337	7.0
JULY												
09...	--	--	.2	--	190	--	--	54	1	2.9	360	7.0
AUG.												
03...	--	--	.1	--	234	--	--	72	6	3.1	454	7.1
19...	.000	.13	.00	.14	223	109	21	55	0	3.5	404	7.0
SEP.												
10...	--	--	.1	--	175	--	--	50	16	2.5	333	6.4

TABLE 18.--08033500 NECHES RIVER NEAR ROCKLAND, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TEMP- ERATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METHY- LENE BLUE ACTIVE SUR- STANCE (MG/L)	DIS- SOLVED ALUM- INUM (AL) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)
OCT. 21...	17.0	65	43	7.9	81	26	1.6	2	.04	0	0	0
NOV. 05...	14.5	--	--	--	--	--	--	--	--	--	--	--
DEC. 03...	15.5	--	--	--	--	--	--	--	--	--	--	--
08...	14.5	45	14	8.2	80	90	1.2	7	.00	--	--	--
JAN., 1971 05...	10.5	--	--	--	--	--	--	--	--	--	--	--
FEB. 09...	9.5	--	--	--	--	--	--	--	--	--	--	--
23...	14.0	30	15	11.4	110	21	3.1	4	.00	10	0	0
MAR. 16...	17.5	--	--	--	--	--	--	--	--	--	--	--
APR. 23...	24.5	20	45	7.7	92	25	2.0	2	.00	40	0	0
26...	24.0	--	--	--	--	--	--	--	--	--	--	--
MAY 28...	36.0	--	--	--	--	--	--	--	--	--	--	--
JUNE 18...	30.5	40	40	6.3	83	22	4.9	1	.00	60	0	0
JULY 09...	30.0	--	--	--	--	--	--	--	--	--	--	--
AUG. 03...	28.0	--	--	--	--	--	--	--	--	--	--	--
19...	29.0	70	45	6.1	78	28	2.5	6	.00	--	--	--
SEP. 10...	29.0	--	--	--	--	--	--	--	--	--	--	--

DATE	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED LITHIUM (LI) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	DIS- SOLVED STRON- TIUM (SR) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT. 21...	--	0	0	7	35	0	0	25	<.5	4	170	0
NOV. 05...	--	--	--	--	--	--	--	--	--	--	--	--
DEC. 03...	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
JAN., 1971 05...	--	--	--	--	--	--	--	--	--	--	--	--
FEB. 09...	--	--	--	--	--	--	--	--	--	--	--	--
23...	0	--	0	0	280	0	10	80	<.5	0	270	6
MAR. 16...	--	--	--	--	--	--	--	--	--	--	--	--
APR. 23...	0	--	0	7	190	0	10	14	<.5	3	460	10
26...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 28...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 18...	2	--	0	4	300	0	10	80	<.5	3	270	0
JULY 09...	--	--	--	--	--	--	--	--	--	--	--	--
AUG. 03...	--	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--	--
SEP. 10...	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 19.--08037000 ANGELINA RIVER NEAR LUFKIN, TEX.  
(Lat 31°27'26", long 94°43'34")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	
OCT. 22...	1015	82	15	5.0	2.5	20	23	0	17	21
NOV. 04...	1100	290	14	5.2	2.4	14	12	0	19	17
DEC. 08...	1530	145	19	7.5	3.9	30	27	0	20	40
JAN., 1971 28...	1140	166	14	8.5	4.2	26	24	0	23	37
FEB. 23...	0930	532	13	7.5	4.0	31	13	0	26	46
MAR. 17...	1430	278	12	9.2	5.0	28	21	0	30	39
APR. 22...	1200	394	12	8.0	4.2	28	28	0	23	36
MAY 26...	1520	311	17	9.8	5.1	43	22	0	26	67
JUNE 17...	1230	43	18	9.2	4.8	27	44	0	17	32
JULY 14...	1045	16	15	9.0	4.4	26	47	0	16	29
AUG. 18...	1505	42	13	6.8	3.0	26	28	0	24	27
SEP. 23...	1030	71	10	5.8	3.2	25	41	0	20	19

DATE	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
OCT. 22...	.1	.35	.000	.00	.2	.12	93	23	4
NOV. 04...	.1	--	.000	.00	.1	.14	78	23	13
DEC. 08...	.1	.21	.000	.00	.1	.080	135	35	13
JAN., 1971 28...	.1	--	.000	.00	.00	--	126	38	19
FEB. 23...	.1	--	.000	.00	.1	.090	134	35	24
MAR. 17...	.1	--	.000	.00	.1	.28	134	44	26
APR. 22...	.1	--	.000	.00	.1	.070	127	37	14
MAY 26...	.1	--	.000	.18	.2	.12	180	45	27
JUNE 17...	.2	--	.000	.00	.3	.040	132	43	7
JULY 14...	.2	--	.000	.00	.3	.13	124	41	2
AUG. 18...	.1	--	.000	.00	.1	.080	115	29	6
SEP. 23...	.2	--	.000	.00	.2	.16	106	28	0

DATE	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)
OCT. 22...	1.8	153	6.6	16.0	8.2	82	.8	150	0
NOV. 04...	1.3	123	6.2	12.0	7.8	72	--	330	--
DEC. 08...	2.2	217	7.3	14.0	8.6	83	1.3	760	130
JAN., 1971 28...	1.8	222	6.9	11.0	9.6	86	--	1600	--
FEB. 23...	2.3	242	6.6	12.0	8.4	78	1.6	260	90
MAR. 17...	1.8	238	6.8	18.0	9.1	96	--	370	--
APR. 22...	2.0	221	6.7	22.0	7.2	82	2.3	940	10
MAY 26...	2.8	310	6.8	24.5	6.6	79	--	--	--
JUNE 17...	1.8	222	6.9	28.5	6.5	83	6.5	560	60
JULY 14...	1.8	207	6.9	29.5	8.9	116	--	290	--
AUG. 18...	2.1	193	6.9	29.0	6.7	86	1.2	740	60
SEP. 23...	2.1	177	6.8	22.0	7.5	85	--	2300	--

TABLE 20.--08037080 BAYOU LANANA NEAR NACOGDOCHES, TEX.  
(Lat 31°31'10", long 94°39'21")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE- SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS- SIUM (MG/L)	DIS-SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
OCT. 19...	1600	15	11	4.3	70	--	7.5	202	0	55
NOV. 04...	1030	19	15	5.3	61	--	8.1	81	0	120
DEC. 08...	1500	14	10	4.8	59	--	5.5	142	0	54
JAN., 1971 28...	1115	18	9.5	4.4	61	--	6.7	148	0	69
FEB. 22...	1600	12	12	4.8	27	--	4.8	80	0	38
MAR. 17...	1400	12	14	6.4	38	--	4.6	73	0	63
APR. 22...	1130	13	12	5.3	62	--	19	126	0	100
MAY 26...	1500	12	12	4.6	52	--	6.4	74	0	64
JUNE 17...	1200	11	7.5	3.3	96	--	9.7	135	0	72
JULY 14...	1030	16	14	4.6	--	92	--	133	0	89
AUG. 18...	1540	16	13	4.2	88	--	9.3	138	0	81
SEP. 23...	1000	6.3	7.8	2.2	6.0	--	4.3	20	0	22

DATE	DIS-SOLVED CHLO- RIDE (CL) (MG/L)	DIS-SOLVED FLUO- RIDE (F) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON-CAR- BONATE HARD- NESS (MG/L)
OCT. 19...	20	.6	.92	.000	13	.1	2.7	300	45	0
NOV. 04...	23	3.8	--	.000	8.8	.00	2.8	307	59	0
DEC. 08...	20	.5	1.2	.050	6.5	.2	2.3	248	45	0
JAN., 1971 28...	22	6.0	--	.000	16	.1	--	295	42	0
FEB. 22...	14	.5	--	.060	3.8	.5	1.1	160	50	0
MAR. 17...	17	.9	--	.090	.98	.3	1.9	195	61	1
APR. 22...	33	.7	--	.90	18	3.2	4.8	352	52	0
MAY 26...	22	1.1	--	.81	1.6	2.2	1.7	225	49	0
JUNE 17...	31	.8	--	.24	.28	3.3	1.2	314	32	0
JULY 14...	33	.8	--	.19	.38	1.6	1.2	323	54	0
AUG. 18...	28	.7	--	.36	1.4	1.6	1.0	319	50	0
SEP. 23...	4.6	.8	--	.040	1.0	.9	1.8	70	28	12

DATE	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)	TEMP- ERATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)
OCT. 19...	4.5	437	7.0	15.0	2.1	21	16	100	170
NOV. 04...	3.4	518	6.5	11.0	1.8	16	--	330	--
DEC. 08...	3.8	387	7.6	12.0	5.2	48	5.9	1000	230
JAN., 1971 28...	4.1	496	6.8	10.0	2.2	19	--	4000	--
FEB. 22...	1.7	252	6.9	12.0	6.2	57	16	130	170
MAR. 17...	2.1	330	6.2	17.0	6.4	66	--	420	--
APR. 22...	3.7	534	7.1	22.0	3.3	38	28	100	130
MAY 26...	3.2	372	7.0	22.5	3.9	44	--	--	--
JUNE 17...	7.3	513	7.4	16.0	4.7	47	19	340	30
JULY 14...	5.5	538	7.1	26.0	5.9	72	--	280	--
AUG. 18...	5.4	510	7.5	25.0	4.5	54	8.4	560	50
SEP. 23...	.5	121	6.4	22.0	3.8	43	--	790	--

TABLE 21.--08037200 PAPER MILL CREEK NEAR HERTY, TEX.  
(Lat 31°23'22", long 94°39'46")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
OCT. 22...	1115	13	36	4.2	--	350	--	187	0	260
NOV. 04...	1130	14	31	4.3	--	310	--	163	0	230
DEC. 09...	0845	12	35	4.0	--	370	--	262	0	270
JAN., 1971 28...	1215	15	43	3.9	--	340	--	303	0	220
FEB. 23...	1000	14	22	3.8	270	--	7.2	36	0	220
MAR. 17...	1500	14	22	4.0	260	--	8.4	65	0	210
APR. 22...	1245	13	25	3.8	--	270	--	130	0	190
MAY 27...	1120	14	24	4.0	--	280	--	66	0	200
JUNE 17...	1300	14	20	3.5	--	250	--	48	0	190
JULY 14...	1130	15	56	3.4	--	310	--	153	0	230
AUG. 18...	1400	14	50	4.0	--	270	--	142	0	200
SEP. 23...	1100	14	50	4.5	--	300	--	157	0	210

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
OCT. 22...	320	.3	1.6	.000	.91	.00	.80	1080	110	0
NOV. 04...	290	.3	--	.000	.83	.00	.38	961	95	0
DEC. 09...	290	.4	1.8	.000	.81	.1	.39	1110	100	0
JAN., 1971 28...	280	.4	--	.000	1.1	.00	--	1050	120	0
FEB. 23...	290	.3	--	.010	.66	.1	.21	848	70	41
MAR. 17...	250	.3	--	.010	.38	.00	1.2	810	72	18
APR. 22...	250	.3	--	.000	.85	.00	.36	817	78	0
MAY 27...	300	.2	--	.000	.66	.00	.54	855	76	22
JUNE 17...	270	.3	--	.000	.58	.00	.96	774	64	25
JULY 14...	340	.3	--	.010	.79	.1	1.0	1030	150	28
AUG. 18...	300	.3	--	.000	.74	.00	.24	908	140	25
SEP. 23...	320	.3	--	.010	.10	.1	.21	978	140	15

DATE	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)
OCT. 22...	15	1800	7.3	34.0	2.9	40	25	660	730
NOV. 04...	14	1620	7.2	31.0	2.8	37	--	720	--
DEC. 09...	16	1850	7.7	32.0	1.6	22	23	660	660
JAN., 1971 28...	13	1760	7.2	29.0	1.0	13	--	450	--
FEB. 23...	14	1450	6.8	30.0	6.8	89	13	670	690
MAR. 17...	13	1430	7.1	34.0	6.1	85	--	650	--
APR. 22...	13	1390	7.1	35.5	3.0	43	26	720	720
MAY 27...	14	1450	6.8	38.0	3.6	53	--	--	--
JUNE 17...	14	1350	6.9	40.0	5.1	77	17	760	770
JULY 14...	11	1710	7.4	40.0	7.0	106	--	720	--
AUG. 18...	9.9	1510	7.3	39.0	4.8	72	25	1100	710
SEP. 23...	11	1630	7.2	36.0	3.2	46	--	520	--

TABLE 22.--08037250 ANGELINA RIVER BELOW PAPER MILL CREEK, NEAR HERTY, TEX.  
(Lat 31°26'22", long 94°37'11")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)
JULY 14...	1200	15	32	4.2	170	98	0	130	190
AUG. 18...	1430	14	29	3.6	160	80	0	120	170

DATE	DIS-SOLVED FLUORIDE (F) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO
JULY 14...	.3	.030	.81	.1	.56	586	98	17	7.5
AUG. 18...	.5	.020	.74	.1	.20	535	88	22	7.5

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)
JULY 14...	995	7.0	30.0	2.6	34	--	1000	--
AUG. 18...	913	6.9	29.0	2.2	28	7.5	970	420

TABLE 23.--08037330 ANGELINA RIVER NEAR ETOILE, TEX.  
(Lat 31°22'24", long 94°28'27")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)
OCT. 21...	1030	8.2	12	5.0	67	64	0	32	77
NOV. 04...	1200	7.5	12	5.0	84	66	0	40	96
DEC. 09...	0930	8.8	11	4.3	66	43	0	49	72
JAN., 1971 28...	1240	11	12	4.6	57	23	0	43	77
FEB. 23...	1045	8.6	12	4.7	58	25	0	47	74
MAR. 18...	1100	8.6	11	4.5	54	20	0	42	73
APR. 22...	1325	3.9	12	5.0	56	34	0	46	69
MAY 27...	1230	12	7.5	3.3	28	15	0	26	38
JUNE 18...	1620	10	10	4.8	44	34	0	28	59
JULY 14...	1245	7.5	12	4.4	46	38	0	31	60
AUG. 19...	1045	13	22	4.6	120	100	0	68	130
SEP. 23...	1310	10	15	5.1	84	72	0	43	97

DATE	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
OCT. 21...	.2	.41	.000	.00	.1	.060	234	50	0
NOV. 04...	.3	--	.000	.00	.1	.090	279	50	0
DEC. 09...	.3	.52	.000	.00	.1	.11	234	45	10
JAN., 1971 28...	.2	--	.000	.00	.1	--	218	49	30
FEB. 23...	.6	--	.000	.13	.2	.060	219	49	29
MAR. 18...	.3	--	.000	.00	.1	.20	205	46	30
APR. 22...	.2	--	.000	.27	.1	.12	212	50	23
MAY 27...	.2	--	.000	.24	.1	.13	123	32	20
JUNE 18...	.3	--	.000	.20	.1	.19	174	45	17
JULY 14...	.3	--	.000	.12	.1	.040	181	48	17
AUG. 19...	.3	--	.000	.46	.1	.32	417	74	0
SEP. 23...	.4	--	.000	.34	.1	.090	292	58	0

DATE	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)
OCT. 21...	4.1	441	6.8	18.5	5.0	53	1.5	900	140
NOV. 04...	5.1	514	6.8	15.5	6.0	59	--	1600	--
DEC. 09...	4.3	429	6.9	14.0	4.3	41	2.0	1100	290
JAN., 1971 28...	3.5	400	6.7	11.0	5.8	52	--	1800	--
FEB. 23...	3.6	401	6.9	12.0	8.4	78	2.6	940	170
MAR. 18...	3.5	379	6.5	15.0	5.2	51	--	920	--
APR. 22...	3.4	397	6.7	20.5	5.0	55	1.9	1500	310
MAY 27...	2.1	214	6.4	25.0	3.1	37	--	--	--
JUNE 18...	2.9	324	6.8	29.0	5.0	64	>8.3	2400	530
JULY 14...	2.9	329	6.6	29.5	5.1	66	--	430	--
AUG. 19...	6.1	721	6.8	26.0	1.0	12	3.0	4700	610
SEP. 23...	4.8	541	6.8	23.5	4.3	50	--	1700	--



TABLE 24.--08039400 ANGELINA RIVER BELOW SAM RAYBURN DAM, NEAR JASPER, TEX.  
(Lat 31°03'30", long 94°06'00")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)
OCT.												
20...	1500	6.4	10	3.7	22	42	0	17	26	.1	.27	.000
NOV.												
04...	1530	6.4	10	3.8	21	41	0	17	25	.1	--	.000
DEC.												
08...	1145	6.0	9.8	3.8	25	42	0	18	28	.2	.35	.000
JAN., 1971												
28...	1500	5.2	10	3.6	28	44	0	19	32	.2	--	.000
FEB.												
23...	1445	3.2	10	3.8	26	41	0	20	30	.1	.37	.000
MAR.												
18...	1430	4.5	12	4.1	35	45	0	31	37	.2	--	.000
APR.												
22...	1600	1.2	9.0	3.7	18	32	0	19	21	.1	.27	.000
MAY												
27...	1500	10	6.5	2.6	22	28	0	17	23	.1	--	.000
JUNE												
18...	1230	4.1	9.0	3.5	23	37	0	18	26	.1	.25	.000
JULY												
14...	1500	1.8	10	3.5	23	34	0	22	27	.2	--	.000
AUG.												
19...	1315	5.7	11	3.6	27	48	0	19	30	.1	.16	.000
SEP.												
23...	1545	5.4	11	4.0	24	50	0	16	28	.2	--	.000

DATE	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)
OCT.												
20...	.00	.00	.13	106	30	19	40	6	1.5	197	6.9	22.0
NOV.												
04...	.00	.00	.020	103	--	--	41	7	1.4	191	6.7	18.0
DEC.												
08...	.00	.2	.030	113	7	1	40	6	1.7	209	7.2	16.0
JAN., 1971												
28...	.00	.00	--	120	--	--	40	4	1.9	233	6.9	13.0
FEB.												
23...	.00	.1	.010	114	7	0	41	7	1.8	218	7.5	14.0
MAR.												
18...	.00	.1	.080	146	--	--	47	10	2.2	277	6.9	15.5
APR.												
22...	.00	.2	.010	89	5	1	38	11	1.3	171	6.9	17.5
MAY												
27...	.00	.1	.040	96	--	--	27	4	1.8	163	6.9	27.0
JUNE												
18...	.00	.1	.000	103	9	7	37	7	1.6	198	6.8	26.0
JULY												
14...	.00	.00	.000	105	--	--	39	12	1.6	192	6.7	26.0
AUG.												
19...	.34	.00	.020	124	12	7	42	3	1.8	220	6.5	21.0
SEP.												
23...	.38	.00	.030	116	--	--	44	3	1.6	209	6.5	21.0

TABLE 24.--08039400 ANGELINA RIVER BELOW SAM RAYBURN DAM, NEAR JASPER, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)	DIS- SOLVED ALUM- INUM (AL) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)
OCT.												
20...	8	1	8.3	94	12	1.1	5	.04	0	0	0	--
NOV.												
04...	--	--	7.8	82	--	--	--	--	--	--	--	--
DEC.												
08...	15	2	8.6	86	66	2.2	4	.00	--	--	--	--
JAN., 1971												
28...	--	--	10.0	94	--	--	--	--	--	--	--	--
FEB.												
23...	5	4	11.1	107	14	1.1	5	.02	10	0	0	0
MAR.												
18...	--	--	9.7	96	--	--	--	--	--	--	--	--
APR.												
22...	0	3	8.6	90	16	.9	0	.01	0	0	0	0
MAY												
27...	--	--	7.8	96	--	--	--	--	--	--	--	--
JUNE												
18...	0	3	7.6	93	16	6.1	1	.00	20	0	0	0
JULY												
14...	--	--	7.5	91	--	--	--	--	--	--	--	--
AUG.												
19...	25	3	3.8	42	14	2.2	1	.00	--	--	--	--
SEP.												
23...	--	--	3.6	40	--	--	--	--	--	--	--	--

DATE	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED LITHIUM (LI) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	DIS- SOLVED STRON- TIUM (SR) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT.											
20...	0	0	3	15	0	0	30	<.5	3	170	0
NOV.											
04...	--	--	--	0	--	--	--	--	--	--	--
DEC.											
08...	--	--	--	0	--	--	240	--	--	--	--
JAN., 1971											
28...	--	--	--	220	--	--	--	--	--	--	--
FEB.											
23...	--	0	0	50	0	10	60	<.5	0	120	1
MAR.											
18...	--	--	--	40	--	--	--	--	--	--	--
APR.											
22...	--	0	2	20	0	0	7	<.5	0	140	0
MAY											
27...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
18...	--	0	2	30	0	10	90	<.5	2	150	0
JULY											
14...	--	--	--	120	--	--	--	--	--	--	--
AUG.											
19...	--	--	--	1700	--	--	1300	--	--	--	--
SEP.											
23...	--	--	--	1500	--	--	--	--	--	--	--

TABLE 25.--08041000 NECHES RIVER AT EVADALE, TEX.  
(Lat 30°21'22", long 94°05'36")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)
OCT. 20...	1630	306	15	10	3.2	14	42	0	9.6	17	.0	.31
DEC. 16...	1255	1100	12	8.8	2.4	16	25	0	18	20	.0	.36
FEB. 22... 1971	1455	1190	5.9	10	3.7	25	28	0	20	36	.0	.23
APR. 06...	1330	1080	6.4	9.2	3.7	23	28	0	18	33	.0	.36
JUNE 15...	1220	1760	6.7	10	1.5	27	32	0	17	32	.0	.24
AUG. 17...	1130	495	14	13	2.1	15	50	0	11	16	.1	.18

DATE	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	LOSS ON IGNITION (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)
OCT. 20...	.020	.24	.2	.040	91	45	19	38	4	1.0	146	6.5
DEC. 16...	.000	.08	.1	.040	90	28	28	32	12	1.2	159	6.4
FEB. 22... 1971	.000	.07	.1	.060	115	39	0	40	17	1.7	223	6.8
APR. 06...	.000	.00	.2	.090	108	52	30	38	15	1.6	205	6.7
JUNE 15...	.000	.09	.1	.070	111	114	8	31	5	2.1	206	8.2
AUG. 17...	.000	.15	.00	.040	96	34	14	41	0	1.0	164	6.4

DATE	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DIS-SOLVED ALUMINUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)
OCT. 20...	21.5	90	30	7.2	81	21	1.4	0	.00	0	0	0
DEC. 16...	14.0	70	30	10.5	101	21	1.3	0	.00	--	--	--
FEB. 22... 1971	15.5	35	30	10.2	101	20	2.1	0	.00	30	0	0
APR. 06...	18.0	70	35	10.4	110	18	1.5	0	.00	--	--	--
JUNE 15...	30.0	140	30	8.6	113	31	4.1	0	.00	40	0	0
AUG. 17...	31.0	45	60	7.6	101	16	2.1	0	.00	30	0	0

DATE	DIS-SOLVED CHROMIUM (CR) (UG/L)	HEXAVALENT CHROMIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRONTIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT. 20...	--	0	0	1	170	0	0	890	<.5	5	100	0
DEC. 16...	--	--	--	--	--	--	--	--	--	--	--	--
FEB. 22... 1971	0	--	0	5	80	0	10	13	.5	4	120	3
APR. 06...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 15...	0	--	0	14	210	4	20	3	<.5	0	320	240
AUG. 17...	0	--	0	10	160	0	10	7	<.5	2	120	50

TABLE 25.--08041000 NECHES RIVER AT EVADALE, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
OCT. 20...	1630	306	.00	<.2	.00	<.2	.00	<.2	.00	<.2
FEB., 1971 22...	1455	1190	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JUNE 15...	1220	1760	.00	<.2	.00	<.2	.00	<.2	.00	<.2
AUG. 17...	1130	495	.00	<.2	.00	<.2	.00	<.2	.00	<.2

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM DE-POSITS (UG/KG)	LINDANE (UG/L)	LINDANE IN BOTTOM DE-POSITS (UG/KG)
OCT. 20...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2
FEB., 1971 22...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JUNE 15...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2
AUG. 17...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2

DATE	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM DE-POSITS (UG/KG)	PARA-THION (UG/L)
OCT. 20...	.0	<1.0	.00	.00	<.2	.00	<.2	.00
FEB., 1971 22...	.0	<1.0	.00	.00	<.2	.00	<.2	.00
JUNE 15...	.0	<1.0	.00	.00	<.2	.00	<.2	.00
AUG. 17...	.0	<1.0	.00	.00	<.2	.00	<.2	.00

DATE	PARA-THION IN BOTTOM DE-POSITS (UG/KG)	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
OCT. 20...	<.2	.0	<10	.00	<1.5	.00	<.1	.00	<.2
FEB., 1971 22...	<.2	.0	<10	.00	<2.2	.00	<.2	.00	<.2
JUNE 15...	<.2	.0	<10	.00	<.6	.00	<.2	.00	<.2
AUG. 17...	<.2	.0	<10	.00	<.7	.00	<.2	.00	<.2

TABLE 26.--08042540 EAST BAY BAYOU NEAR STOWELL, TEX.  
(Lat 29°42'15", long 94°25'35")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)
MAY												
04...	1200	5.8	2.6	60	8.4	52	138	0	74	80	.6	1.2
18...	1110	1.9	4.7	58	11	27	160	0	64	60	.5	.00
JUNE												
08...	0900	4.0	3.5	58	8.1	40	168	0	56	54	.3	.48
21...	1010	28	13	46	5.7	32	142	0	34	40	.3	.49
JULY												
12...	0930	5.7	11	51	7.1	45	186	0	26	51	.5	.35
21...	1210	10	15	54	14	39	208	0	22	58	.5	.37
AUG.												
04...	0930	40	11	30	5.1	26	97	0	21	36	.2	.18
25...	0915	10	24	54	9.6	45	184	0	30	62	.3	.42

DATE	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)
MAY											
04...	.060	2.0	.1	.19	349	164	180	70	1.7	641	7.9
18...	.010	10	.00	3.7	317	--	190	57	.9	592	7.6
JUNE											
08...	.040	2.2	.2	.13	307	--	180	40	1.3	568	7.3
21...	.030	.28	.1	.11	242	40	140	22	1.2	454	7.0
JULY											
12...	.010	.15	.1	.050	283	--	160	4	1.6	516	7.6
21...	.010	.08	.00	.050	305	--	190	22	1.2	551	7.5
AUG.											
04...	.010	.10	.00	.080	177	22	96	16	1.2	326	6.6
25...	.000	.05	.1	.12	315	108	170	23	1.5	557	7.5

DATE	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
MAY												
04...	26.0	30	75	8.7	106	24	7.6	27000	1700	800	3	.00
18...	24.0	30	55	8.8	104	65	14	85000	880	560	7	.08
JUNE												
08...	27.0	40	65	7.5	93	43	3.1	58000	720	750	0	.01
21...	26.0	50	30	5.2	63	29	2.8	94000	520	1800	8	.00
JULY												
12...	27.5	65	45	6.2	78	26	1.2	73000	520	950	4	.00
21...	28.5	40	30	6.0	75	23	2.1	23000	1500	1000	2	.02
AUG.												
04...	25.0	70	15	5.0	60	24	1.9	180000	2700	6500	4	.00
25...	26.5	70	45	4.8	59	71	4.6	100000	500	6700	0	.03

DATE	OIL AND GREASE (MG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
MAY												
04...	--	0	0	0	0	5	23	0	70	.6	0	10
18...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
08...	--	--	--	--	--	--	--	--	--	--	--	--
21...	10	0	0	0	0	5	70	0	0	.5	0	10
JULY												
12...	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	0	0	0	0	6	140	0	4	1.4	0	40
AUG.												
04...	40	0	0	0	0	18	110	0	40	<.5	2	100
25...	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 26.--08042540 EAST BAY BAYOU NEAR STOWELL, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)
MAY										
04...	1200	5.8	.01	.00	.00	.00	.05	.00	.00	.00
JUNE										
21...	1010	28	.00	.00	.00	.00	.01	.00	.00	.00
JULY										
21...	1210	10	.00	.00	.00	.00	.05	.00	.00	.00
AUG.										
04...	0930	40	.00	.00	.00	.00	.04	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR-DANE (UG/L)	TOXA-PHENE (UG/L)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY										
04...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00
JUNE										
21...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00
JULY										
21...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00
AUG.										
04...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00

TABLE 27.--08042550 WEST FORK DOUBLE BAYOU NEAR ANAHUAC, TEX.  
(Lat 29°45'39", long 94°38'00")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE- SIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS- SIUM (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO- RIDE (CL) (MG/L)	DIS-SOLVED FLUO- RIDE (F) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)
MAY												
04...	1015	7.9	5.7	56	18	130	84	0	90	240	.3	.48
18...	1000	2.1	4.8	64	18	95	80	0	91	230	.3	.02
JUNE												
08...	0800	8.8	2.8	54	15	140	110	0	67	240	.2	.21
21...	0910	22	11	52	12	120	104	0	58	210	.3	.38
JULY												
12...	1020	19	10	52	12	140	150	0	36	230	.4	.41
21...	1315	12	8.0	60	16	160	170	0	38	270	.5	.40
AUG.												
04...	0840	31	9.5	44	11	110	118	0	36	180	.3	.29
25...	0820	5.3	15	57	15	140	110	0	94	230	.2	.42

DATE	NITRITE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH
MAY											
04...	.030	.57	.1	.12	584	170	210	140	3.9	1150	7.2
18...	.000	12	.1	6.0	556	--	230	170	2.7	1040	6.9
JUNE											
08...	.030	.22	.1	.12	566	--	200	110	4.3	1090	6.8
21...	.040	.42	.1	.12	519	138	180	93	4.0	981	6.8
JULY											
12...	.010	.14	.00	.030	562	--	180	57	4.6	1020	7.3
21...	.020	.09	.00	.030	634	--	210	74	4.7	1180	7.6
AUG.											
04...	.010	.11	.1	.060	447	114	150	58	3.8	846	6.8
25...	.010	.00	.7	.060	613	218	200	110	4.3	1100	7.1

DATE	TEMP- ERATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	PHENOLS (UG/L)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
MAY												
04...	25.0	25	75	7.7	92	17	4.9	31000	1500	5100	0	.00
18...	21.5	30	50	8.8	99	140	56	23000	2000	200	12	.23
JUNE												
08...	25.0	60	100	6.5	77	43	3.2	54000	750	2300	5	.01
21...	25.5	65	60	5.9	71	33	1.6	40000	520	580	8	.00
JULY												
12...	28.0	60	40	6.0	76	29	1.7	29000	650	600	2	.00
21...	30.0	40	65	6.7	88	27	2.3	36000	1400	850	5	.02
AUG.												
04...	24.5	60	50	5.8	69	32	1.3	180000	500	8500	6	.01
25...	26.0	70	80	4.0	49	35	4.0	270000	1400	6200	0	.02

DATE	OIL AND GREASE (MG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY												
04...	40	0	0	0	0	5	25	0	140	1.2	0	10
18...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
08...	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	0	0	0	0	4	110	0	40	<.5	0	20
JULY												
12...	--	--	--	--	--	--	--	--	--	--	--	--
21...	10	0	0	0	0	5	60	0	20	2.2	2	30
AUG.												
04...	10	0	0	0	0	19	100	0	40	<.5	1	40
25...	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 27.--08042550 WEST FORK DOUBLE BAYOU NEAR ANAHUAC, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)
MAY 04....	1015	7.9	.01	.00	.00	.00	.05	.00	.00	.00
JUNE 21....	0910	22	.00	.00	.00	.00	.04	.00	.00	.00
JULY 21....	1315	12	.00	.00	.00	.00	.03	.00	.00	.00
AUG. 04....	0840	31	.00	.00	.00	.00	.02	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR-DANE (UG/L)	TOXA-PHENE (UG/L)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY 04....	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00
JUNE 21....	.00	.0	.0	.00	.00	.00	.00	.00	.01	.00
JULY 21....	.00	.0	.0	.00	.00	.00	.00	--	--	--
AUG. 04....	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00



TABLE 28.--08048000 WEST FORK TRINITY RIVER AT FORT WORTH, TEX.  
(Lat 32°45'39", Long 97°19'56")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HC03) (MG/L)	CARBONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)
OCT.									
22...	1045	20	5.0	64	6.0	41	206	0	44
DEC.									
10...	2225	17	2.6	74	8.6	51	252	0	50
JAN., 1971									
30...	1015	15	3.4	68	8.4	35	220	0	41
MAR.									
25...	1500	6.2	3.8	62	8.6	43	196	0	50
APR.									
23...	1700	17	3.5	45	3.8	16	136	0	29
MAY									
20...	1500	16	.0	64	10	36	216	0	46
JUNE									
09...	1740	6.0	3.8	53	4.9	22	172	0	27
24...	1710	10	3.6	53	8.7	29	184	0	33
JULY									
15...	1600	4.0	4.0	49	9.2	38	184	0	35
30...	0850	282	5.5	40	4.9	16	132	0	19
AUG.									
12...	1800	8.6	4.5	45	3.8	23	154	0	25
23...	1515	9.2	4.8	42	4.7	18	144	0	21
SEP.									
23...	1130	310	6.2	50	6.1	34	172	0	33

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
OCT.									
22...	40	.3	.000	.00	.1	.070	302	180	15
DEC.									
10...	50	.5	.000	.03	.00	.020	361	220	14
JAN., 1971									
30...	39	.5	.000	.04	.00	.11	303	200	24
MAR.									
25...	48	.3	--	--	.8	--	315	190	59
APR.									
23...	14	.2	.080	.12	.5	.24	177	130	20
MAY									
20...	37	.4	.000	.29	.4	.16	301	200	25
JUNE									
09...	22	.3	.010	.30	.2	.40	219	150	11
24...	32	.3	.010	.00	.00	.26	250	170	17
JULY									
15...	39	.4	.000	.00	.1	.14	265	160	9
30...	19	--	.010	.20	.4	.21	171	120	12
AUG.									
12...	18	.3	.000	.39	.00	.060	196	130	2
23...	17	.2	.000	.02	.00	.090	179	120	6
SEP.									
23...	34	.3	.010	.06	.2	.37	250	150	9

DATE	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	RIO-CHEMICAL OXYGEN DEMAND (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
OCT.								
22...	1.3	523	7.9	19.0	9.1	97	4.1	--
DEC.								
10...	1.5	614	7.8	16.5	9.4	96	1.2	--
JAN., 1971								
30...	1.1	532	7.5	12.0	7.5	69	5.1	--
MAR.								
25...	1.4	545	8.2	13.0	--	--	--	--
APR.								
23...	.6	327	8.5	23.5	11.5	134	8.4	--
MAY								
20...	1.1	509	7.2	24.0	4.2	49	4.1	--
JUNE								
09...	.8	390	7.8	28.0	4.6	58	3.2	--
24...	1.0	451	7.5	29.5	3.4	44	4.8	--
JULY								
15...	1.3	472	7.5	32.0	4.4	59	4.1	--
30...	.6	303	7.1	24.0	4.4	52	3.1	--
AUG.								
12...	.9	347	7.2	27.0	.5	6	4.2	.06
23...	.7	321	8.4	32.0	9.7	131	3.5	--
SEP.								
23...	1.2	437	7.3	20.0	3.6	39	6.6	--

TABLE 29.--08049500 WEST FORK TRINITY RIVER AT GRAND PRAIRIE, TEX.  
(Lat 32°45'46", long 96°59'42")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
OCT.									
22...	0900	120	12	54	12	140	268	0	130
DEC.									
09...	1210	128	11	62	7.2	120	240	0	120
JAN., 1971									
30...	0930	108	11	52	16	170	356	0	150
APR.									
23...	1505	214	7.4	58	8.6	96	204	0	120
MAY									
20...	1610	92	7.8	54	12	120	244	0	120
JUNE									
09...	1640	115	9.7	58	7.7	130	240	0	100
22...	0925	620	13	54	7.2	150	256	0	130
JULY									
15...	1500	112	14	46	10	160	300	0	100
29...	1715	403	9.6	41	7.2	69	172	0	56
AUG.									
12...	1700	135	12	50	7.1	120	220	0	110
23...	1640	122	13	56	9.4	120	216	0	130
SEP.									
22...	1740	143	14	50	8.0	150	296	0	130

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)
OCT.									
22...	110	--	.49	9.2	2.4	9.3	615	180	0
DEC.									
09...	120	--	.040	12	.00	8.8	575	180	0
JAN., 1971									
30...	120	1.0	.060	15	.1	4.0	718	190	0
APR.									
23...	80	.6	.38	7.7	1.3	2.3	482	180	13
MAY									
20...	100	1.0	.40	11	.2	8.0	551	180	0
JUNE									
09...	120	1.0	1.0	4.8	.00	4.6	562	180	0
22...	130	1.0	.29	7.9	.7	7.0	620	160	0
JULY									
15...	120	.9	.96	8.6	.6	6.5	619	160	0
29...	65	--	.32	4.0	1.5	2.2	346	130	0
AUG.									
12...	94	.9	.50	8.6	1.4	7.9	516	150	0
23...	99	1.0	.63	7.8	1.0	5.6	542	180	1
SEP.									
22...	110	.9	.30	14	.4	5.1	634	160	0

DATE	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT.								
22...	4.5	1090	7.4	19.5	2.1	23	10	--
DEC.								
09...	3.8	1070	7.2	17.5	2.5	26	6.7	--
JAN., 1971								
30...	5.3	1210	7.4	14.0	.8	8	23	--
APR.								
23...	3.1	832	7.4	23.0	3.5	40	17	--
MAY								
20...	3.8	1020	7.6	27.0	5.2	64	13	--
JUNE								
09...	4.3	966	7.4	30.0	6.2	82	22	--
22...	5.1	1070	7.4	27.0	1.0	12	20	--
JULY								
15...	5.6	1040	7.6	32.0	4.4	59	12	--
29...	2.6	601	7.5	27.0	.5	6	32	--
AUG.								
12...	4.2	952	7.7	31.0	3.4	45	11	.30
23...	3.9	985	7.6	32.0	4.4	59	9.9	--
SEP.								
22...	5.2	1080	7.3	21.0	2.4	27	18	--

TABLE 30.---08050500 ELM FORK TRINITY RIVER NEAR SANGER, TEX.  
(Lat 33°23'11", long 97°05'05")

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
OCT.									
21...	1830	21	9.6	100	9.8	63	336	0	46
NOV.									
05...	1330	14	11	100	9.8	63	364	0	48
DEC.									
10...	2120	14	4.6	120	9.8	86	420	0	54
JAN., 1971									
15...	1000	14	6.2	100	10	91	374	0	56
30...	1140	10	2.8	100	9.8	97	392	0	56
FEB.									
24...	1510	17	6.0	57	8.3	86	204	0	44
APR.									
05...	1656	7.5	3.1	97	11	120	414	8	54
21...	1400	5.4	2.0	82	8.6	120	412	0	48
JUNE									
08...	1620	3.5	12	64	7.4	74	236	0	29
21...	1520	88	16	68	7.4	120	396	0	46
JULY									
11...	1530	1.8	11	51	6.1	63	276	0	26
AUG.									
23...	1315	43	8.9	48	3.0	40	156	0	18

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
OCT.									
21...	68	.5	.010	.10	2.0	.56	471	290	14
NOV.									
05...	59	.2	--	--	1.4	--	480	300	2
DEC.									
10...	80	--	.040	.10	1.5	.72	564	330	0
JAN., 1971									
15...	83	.5	--	--	3.6	--	550	300	0
30...	90	.3	.020	.64	1.8	.31	561	300	0
FEB.									
24...	100	.3	--	--	2.0	--	410	180	9
APR.									
05...	89	.3	--	--	1.6	--	590	290	0
21...	87	.3	.10	5.3	.5	2.8	557	240	0
JUNE									
08...	86	.3	--	--	1.1	--	394	190	0
21...	62	.4	.10	.26	1.1	1.7	522	200	0
JULY									
11...	23	.2	--	--	.7	--	319	152	0
AUG.									
23...	48	.3	.020	.02	.9	.43	247	130	4

DATE	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
OCT.								
21...	1.6	787	7.6	16.5	9.2	93	2.5	--
NOV.								
05...	1.6	767	8.2	10.0	--	--	--	--
DEC.								
10...	2.0	936	7.7	15.5	9.6	95	1.7	--
JAN., 1971								
15...	2.3	878	8.1	5.5	--	--	--	--
30...	2.5	932	7.9	9.5	10.7	94	1.2	--
FEB.								
24...	2.8	715	8.1	9.0	--	--	--	--
APR.								
05...	3.1	972	8.3	15.0	--	--	--	--
21...	3.4	976	7.8	20.0	4.5	49	>8.3	--
JUNE								
08...	2.3	699	7.7	29.0	--	--	--	--
21...	3.7	862	8.0	26.5	5.3	65	5.0	--
JULY								
11...	2.2	522	8.0	31.5	--	--	--	--
AUG.								
23...	1.5	441	7.9	28.0	7.7	97	2.3	.04

TABLE 31.--08057410 TRINITY RIVER BELOW DALLAS, TEX.  
(Lat 32°42'27", long 96°44'08")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
OCT. 19...	1230	481	13	48	6.8	110	270	0	83	66	--	1.3
DEC. 09...	1315	304	22	56	5.0	140	260	0	140	110	--	8.0
JAN. 31...	1130	280	16	48	9.7	150	308	0	130	100	1.0	3.4
APR. 23...	1410	574	10	54	9.1	97	236	0	110	68	.9	1.1
MAY 20...	1720	354	11	44	8.8	81	146	0	111	90	1.4	1.3
JUNE 09...	1530	424	14	50	5.6	130	252	0	110	85	1.6	1.0
JUNE 22...	1050	923	10	56	6.4	86	192	0	110	68	.7	.67
JULY 15...	1330	379	13	38	11	140	250	0	101	100	1.1	.77
JULY 29...	1610	2240	9.5	52	2.6	55	172	0	67	44	--	.55
AUG. 12...	1535	501	17	46	5.6	98	184	0	110	80	1.4	.87
AUG. 25...	1735	1880	13	58	3.8	45	188	0	61	32	.5	.64
SEP. 23...	1330	845	15	43	5.5	100	214	0	90	72	.9	.65

DATE	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA, MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)
OCT. 19...	.360	5.9	2.1	4.8	480	30	8	150	0	3.9	766	7.3
DEC. 09...	.170	14	1.4	4.3	624	18	17	160	0	4.8	1060	7.3
JAN. 31...	.060	14	1.1	8.5	620	29	12	160	0	5.0	1050	7.4
APR. 23...	.200	8.3	1.5	4.4	483	90	32	170	0	3.2	806	7.2
MAY 20...	.370	14	1.3	8.2	444	52	25	150	26	2.9	858	7.1
JUNE 09...	.540	7.8	1.5	6.9	536	23	16	150	0	4.7	921	7.5
JUNE 22...	.330	5.7	.90	4.3	444	256	46	170	8	2.9	749	7.2
JULY 15...	.660	7.7	1.1	8.0	538	14	7	140	0	5.1	913	7.3
JULY 29...	.260	4.5	.90	2.9	326	432	88	140	0	2.0	562	7.5
AUG. 12...	.400	9.6	1.4	3.8	466	57	23	140	0	3.6	798	7.3
AUG. 25...	.170	3.0	1.2	2.9	315	568	120	160	6	1.5	516	7.5
SEP. 23...	.070	8.3	1.0	5.3	447	160	46	130	0	3.8	754	7.3

DATE	TEMP-ERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)
OCT. 19...	18.5	10	2	4.5	48	23	17	4	1.3	100	0	1
DEC. 09...	18.5	60	4	.7	7	54	19	7	2.3	--	--	--
JAN. 31...	15.0	25	15	4.0	39	77	17	16	2.5	20	0	2
APR. 23...	22.5	25	35	4.0	45	89	13	7	1.1	--	--	--
MAY 20...	26.0	20	25	3.0	37	114	26	8	2.1	--	--	--
JUNE 09...	28.0	20	15	1.3	16	81	17	6	2.0	--	--	--
JUNE 22...	27.0	20	120	1.6	20	72	13	5	.39	20	0	1
JULY 15...	30.0	25	6	.6	8	77	9.7	9	1.9	--	--	--
JULY 29...	26.5	15	150	2.2	27	81	17	1	.13	--	--	--
AUG. 12...	30.0	30	30	2.5	33	71	24	2	2.2	--	--	--
AUG. 25...	27.0	30	140	2.7	33	100	11	3	.20	--	--	--
SEP. 23...	22.0	30	45	2.6	30	28	18	0	.97	30	0	1

TABLE 31.--08057410 TRINITY RIVER BELOW DALLAS, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DIS-SOLVED CHROMIUM (CR) (UG/L)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRONTIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT. 19...	--	0	0	10	69	2	0	12	.8	20	430	90
DEC. 09...	--	--	--	--	--	--	--	--	--	--	--	--
JAN. 31...	8	0	1	18	150	9	20	54	<.5	37	340	100
APR. 23...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 20...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 09...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 22...	0	--	0	9	60	0	10	16	.5	19	400	70
JULY 15...	--	--	--	--	--	--	--	--	--	--	--	--
JULY 29...	--	--	--	--	--	--	--	--	--	--	--	--
AUG. 12...	--	--	--	--	--	--	--	--	--	--	--	--
AUG. 25...	--	--	--	--	--	--	--	--	--	--	--	--
SEP. 23...	7	--	1	11	90	8	10	100	22	18	270	70

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
OCT. 19...	1230	481	.00	--	.00	13	.00	<.2	.04	<.2
JAN. 31...	1130	280	.00	<.2	.05	7.0	.00	<.2	.20	<.2
JUNE 22...	1050	923	.00	<.2	.00	24	.00	<.2	.00	<.2
SEP. 23...	1330	845	.00	<.2	.00	18	.01	<.2	.00	<.2

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM DE-POSITS (UG/KG)	LINDANE (UG/L)	LINDANE IN BOTTOM DE-POSITS (UG/KG)
OCT. 19...	.07	13	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JAN. 31...	.09	13	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JUNE 22...	.05	32	.00	<.2	.00	<.2	.00	<.2	.00	<.2
SEP. 23...	.08	56	.00	<.2	.00	<.2	.00	<.2	.00	<.2

DATE	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL-PARA-THION (UG/L)	METHYL-PARA-THION IN BOTTOM DE-POSITS (UG/KG)	PARA-THION (UG/L)	PARA-THION IN BOTTOM DE-POSITS (UG/KG)
OCT. 19...	.4	74	.55	.08	<.2	.00	<.2	.00	<.2
JAN. 31...	.8	97	--	1.1	<.2	.00	<.2	.00	<.2
JUNE 22...	.6	270	.17	.00	--	.00	<.2	.00	<.2
SEP. 23...	.6	380	.22	.00	--	.00	<.2	.00	<.2

DATE	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
OCT. 19...	.0	<10	.13	<5.2	.03	<.5	.00	<.6
JAN. 31...	.0	<10	.76	<4.5	.07	<.6	.00	<.5
JUNE 22...	.0	<10	.00	<5.1	.00	<1.5	.00	<1.3
SEP. 23...	.0	<10	.14	<4.8	.12	<1.1	.00	<1.2

TABLE 32.--08082000 EAST FORK TRINITY RIVER NEAR CRANDALL, TEX.  
(Lat 32°38'18", Long 96°29'05")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	SODIUM PLUS POTASSIUM (NA+K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	SULFATE (SO4) (MG/L)
OCT.									
19...	1420	96	9.6	43	4.1	18	144	0	28
DEC.									
09...	1440	346	.4	50	3.7	16	160	0	28
JAN., 1971									
31...	1245	42	5.3	35	9.8	57	212	0	49
APR.									
23...	1325	66	5.8	54	4.2	30	176	0	39
MAY									
20...	1815	29	11	29	8.6	60	104	0	68
JUNE									
09...	1420	25	14	35	6.9	50	144	0	63
22...	1250	24	16	36	4.9	100	284	0	46
JULY									
15...	1215	24	13	24	9.7	83	210	0	64
29...	1515	210	7.9	37	3.8	27	134	0	36
AUG.									
12...	1430	29	13	39	4.5	65	148	0	58
25...	1830	141	8.8	40	3.0	19	120	0	37
SEP.									
22...	1600	24	16	30	7.5	57	104	0	80

DATE	CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
OCT.									
19...	17	--	.050	2.6	.2	3.2	195	120	6
DEC.									
09...	13	--	.040	1.4	.1	.000	192	140	9
JAN., 1971									
31...	45	1.0	.000	9.8	.00	8.5	318	130	0
APR.									
23...	29	.6	.050	3.6	.6	2.1	257	152	8
MAY									
20...	92	.9	.010	14	.1	29	339	110	23
JUNE									
09...	55	1.2	.10	11	.2	.54	311	120	0
22...	74	1.6	.030	15	.1	13	442	110	0
JULY									
15...	52	1.1	.20	10	.1	9.7	364	100	0
29...	21	--	.060	3.5	.6	2.4	206	110	0
AUG.									
12...	78	1.1	.020	11	.3	6.2	347	120	0
25...	20	.5	.10	4.5	.6	3.4	196	110	14
SEP.									
22...	79	2.1	.010	16	.1	13	344	110	21

DATE	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
OCT.								
19...	.7	355	7.6	17.5	5.8	60	6.9	--
DEC.								
09...	.6	347	7.5	18.0	7.9	83	4.9	--
JAN., 1971								
31...	2.2	599	7.2	12.5	1.8	17	18	--
APR.								
23...	1.1	458	7.3	21.5	3.0	34	7.5	--
MAY								
20...	2.5	771	7.2	27.0	3.4	42	25	--
JUNE								
09...	2.0	658	7.2	29.0	12.4	159	19	--
22...	4.1	781	7.2	28.5	4.4	56	25	--
JULY								
15...	3.6	645	8.2	30.0	11.0	145	20	--
29...	1.1	367	7.5	26.0	1.3	16	10	--
AUG.								
12...	2.6	711	7.9	32.0	8.1	109	32	--
25...	.8	384	7.4	26.5	1.4	17	6.3	.20
SEP.								
22...	2.4	732	7.1	21.0	.8	9	22	--

TABLE 33.--08062500 TRINITY RIVER NEAR ROSSER, TEX.  
(Lat 32°25'36", long 96°27'44")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)
OCT. 19...	1520	681	11	47	6.0	52	160	0	70	48	--	.81
DEC. 09...	1540	694	7.2	54	6.2	48	180	0	60	52	--	.93
JAN. 31...	1500	382	14	48	7.8	130	268	0	120	96	1.4	6.2
APR. 23...	1210	720	7.3	56	5.0	60	164	0	97	45	.6	1.0
MAY 20...	1950	370	10	52	6.0	85	174	0	100	86	1.1	1.4
JUNE 09...	1320	382	11	50	5.6	80	168	0	94	76	1.2	.66
JUNE 22...	1630	1040	14	42	9.5	130	252	0	120	100	1.4	.98
JULY 15...	1115	335	13	42	6.6	100	220	0	79	80	.9	.66
JULY 29...	1345	3850	7.1	43	3.1	30	148	0	35	25	--	.73
AUG. 12...	1325	454	14	44	6.3	73	154	0	88	74	1.2	.55
AUG. 25...	1055	1460	15	49	6.7	72	162	0	94	74	.9	.30
SEP. 22...	1300	293	15	43	6.4	110	200	0	110	99	2.2	.77

DATE	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	LOSS ON IGNITION (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)
OCT. 19...	.330	5.3	.70	4.9	324	106	12	140	11	1.9	599	7.4
DEC. 09...	.140	6.4	.70	2.4	328	46	20	160	12	1.6	646	7.3
JAN. 31...	.030	13	.20	7.8	561	4	0	150	0	4.5	1010	7.2
APR. 23...	.190	4.8	1.5	2.2	365	111	22	160	26	2.1	625	7.2
MAY 20...	.280	11	.30	.76	446	27	12	150	12	3.0	873	7.5
JUNE 09...	.210	7.3	.30	6.4	412	34	16	150	10	2.9	806	7.4
JUNE 22...	.010	14	.10	9.0	568	98	20	140	0	4.7	985	7.5
JULY 15...	.370	8.6	.30	7.1	443	20	8	130	0	3.8	772	7.5
JULY 29...	.260	2.8	.60	3.8	223	1330	196	120	0	1.2	386	7.5
AUG. 12...	.040	9.3	.50	3.5	391	94	23	140	10	2.7	735	7.4
AUG. 25...	.300	9.6	.60	5.8	407	164	30	150	17	2.6	798	7.5
SEP. 22...	.010	15	.00	9.3	497	18	11	130	0	4.1	914	7.2

DATE	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DIS-SOLVED ALUMINUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)
OCT. 19...	18.0	10	55	5.4	57	22	13	2	.42	100	11	1
DEC. 09...	16.5	20	20	5.2	53	15	9.9	2	.68	--	--	--
JAN. 31...	13.5	30	4	1.4	13	65	12	8	2.1	10	0	1
APR. 23...	22.0	16	60	2.6	30	27	17	1	.13	--	--	--
MAY 20...	27.0	10	4	3.2	40	53	9.9	2	.92	--	--	--
JUNE 09...	29.0	20	20	3.4	44	39	7.4	1	.35	--	--	--
JUNE 22...	31.0	20	30	.4	5	77	14	6	1.7	20	0	0
JULY 15...	31.0	10	5	2.5	33	56	15	2	.25	--	--	--
JULY 29...	24.5	15	280	.2	2	141	17	0	.08	--	--	--
AUG. 12...	30.0	40	25	2.0	26	31	14	0	.45	--	--	--
AUG. 25...	29.0	30	65	.9	12	54	8.1	0	.57	--	--	--
SEP. 22...	23.0	35	4	1.0	11	26	10	0	2.0	20	0	0

TABLE 33.--08062500 TRINITY RIVER NEAR ROSSER, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DIS-SOLVED CHROMIUM (CR) (UG/L)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRONTIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT. 19...	--	0	0	8	54	2	0	26	.5	21	380	30
DEC. 09...	--	--	--	--	--	--	--	--	--	--	--	--
JAN. 31...	6	0	0	11	140	6	20	150	<.5	33	380	48
APR. 23...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 20...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 09...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 22...	0	--	2	13	340	0	20	56	<.5	27	350	70
JULY 15...	--	--	--	--	--	--	--	--	--	--	--	--
JULY 29...	--	--	--	--	--	--	--	--	--	--	--	--
AUG. 12...	--	--	--	--	--	--	--	--	--	--	--	--
AUG. 25...	--	--	--	--	--	--	--	--	--	--	--	--
SEP. 22...	0	--	3	12	160	7	20	150	1.1	22	320	50

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
OCT. 19...	1520	681	.00	--	.00	2.6	.00	<.2	.02	<.2
JAN. 31...	1500	382	.00	<.2	.02	20	.00	18	.10	<.2
JUNE 22...	1630	1040	.00	<.2	.00	7.7	.00	15	.00	5.8
SEP. 22...	1300	293	.00	<.2	.00	10	.00	10	.00	4.4

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM DE-POSITS (UG/KG)	LINDANE (UG/L)	LINDANE IN BOTTOM DE-POSITS (UG/KG)
OCT. 19...	.03	3.4	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JAN. 31...	.05	28	.00	<.2	.00	<.2	.00	<.2	.03	<.2
JUNE 22...	.05	22	.00	<.2	.00	<.2	.00	<.2	.04	<.2
SEP. 22...	.04	17	.00	<.2	.00	<.2	.00	<.2	.02	<.2

DATE	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM DE-POSITS (UG/KG)	PARA-THION (UG/L)	PARA-THION IN BOTTOM DE-POSITS (UG/KG)
OCT. 19...	.2	13	.44	.05	<.2	.00	<.2	.00	<.2
JAN. 31...	.4	205	--	1.0	<.2	.46	<.2	.00	<.2
JUNE 22...	.2	270	.23	.00	--	.00	--	.00	--
SEP. 22...	.2	210	.17	.00	--	.00	--	.00	--

DATE	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4+5-T (UG/L)	2,4+5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
OCT. 19...	.0	<10	.13	<1.6	.05	<.3	.00	<.3
JAN. 31...	.0	<10	.23	<9.6	.06	<1.0	.00	<.9
JUNE 22...	.0	<10	.00	<1.5	.00	<.4	.00	<.4
SEP. 22...	.0	<10	.09	<4.3	.00	<1.0	.00	<1.0



TABLE 34.--08062700 TRINITY RIVER AT TRINIDAD, TEX.  
(Lat 32°08'05", Long 96°06'20")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SiO2) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG)	SODIUM PLUS PO-TAS-SIUM (NA+K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	SULFATE (SO4) (MG/L)
OCT.									
20...	0900	769	11	47	5.0	49	154	0	64
DEC.									
09...	1650	908	9.1	54	6.2	60	188	0	69
JAN., 1971									
31...	1630	470	14	47	7.4	110	228	0	110
MAR.									
06...	0950	1820	9.5	54	8.6	48	166	0	63
APR.									
23...	1040	1100	3.8	65	5.3	65	156	0	150
MAY									
20...	2100	494	12	54	7.2	95	184	0	98
JUNE									
09...	1130	386	8.6	54	6.2	74	150	0	94
22...	1820	453	16	44	10	110	190	0	110
JULY									
15...	0940	397	14	40	9.7	117	204	0	87
29...	1215	1280	7.4	33	4.3	42	116	0	35
AUG.									
12...	1140	524	12	45	4.7	64	152	0	70
25...	0935	433	14	49	4.3	74	158	0	84
SEP.									
22...	1100	341	19	42	9.5	110	176	0	120

DATE	CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)
OCT.									
20...	39	--	.16	2.5	1.5	2.5	301	140	12
DEC.									
09...	58	--	.33	6.2	.9	3.3	361	160	6
JAN., 1971									
31...	88	1.2	.29	10	1.0	7.6	507	150	0
MAR.									
06...	43	.6	--	--	3.2	--	323	170	34
APR.									
23...	33	.7	.24	3.1	1.6	.76	412	180	56
MAY									
20...	88	1.4	1.1	7.4	3.8	.58	476	160	13
JUNE									
09...	59	.8	2.5	3.4	5.1	2.8	406	160	37
22...	94	1.2	.86	8.0	2.1	8.7	499	150	0
JULY									
15...	98	1.1	.88	4.2	2.5	6.8	486	140	0
29...	29	--	.31	7.2	12	2.2	271	100	5
AUG.									
12...	49	.9	.61	4.5	4.6	1.7	348	130	8
25...	56	.9	.52	2.6	2.6	3.5	377	140	10
SEP.									
22...	96	1.6	.65	10	2.2	10	503	140	0

DATE	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT.								
20...	1.8	523	7.2	17.0	5.2	54	17	--
DEC.								
09...	2.1	681	7.2	16.5	4.6	47	21	--
JAN., 1971								
31...	3.9	928	7.3	13.5	6.6	63	16	--
MAR.								
06...	1.6	574	8.1	11.0	--	--	--	--
APR.								
23...	2.1	666	7.2	21.5	.9	10	28	--
MAY								
20...	3.2	858	7.4	26.0	5.0	61	30	--
JUNE								
09...	2.5	703	7.3	29.0	1.8	23	22	--
22...	3.9	885	7.7	29.0	2.6	33	13	--
JULY								
15...	4.3	833	7.5	30.0	1.2	16	20	--
29...	1.8	404	7.6	25.0	1.8	21	37	--
AUG.								
12...	2.4	571	7.2	29.5	2.7	35	23	--
25...	2.7	652	6.8	29.0	1.8	23	8.7	.33
SEP.								
22...	4.0	910	6.9	23.0	2.3	26	31	--

TABLE 35.--08065350 TRINITY RIVER NEAR CROCKETT, TEX.  
(Lat 31°20'08", long 95°39'27")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)
OCT. 19...	1300	1650	8.8	44	3.0	--	31	--	129	0
DEC. 07...	1230	811	15	57	6.4	98	--	8.2	221	0
FEB. 22...	1345	1600	11	35	5.6	63	--	6.6	86	0
APR. 24...	1325	2880	9.0	59	4.0	35	--	5.1	143	0
JUNE 19...	1300	403	7.0	57	4.9	--	66	--	156	0
AUG. 20...	1200	3340	11	48	3.1	37	--	7.4	136	0

DATE	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)
OCT. 19...	35	26	.3	.87	.000	.00	2.8	1.1	223	470
DEC. 07...	86	91	.8	1.2	.330	6.3	3.5	3.5	496	56
FEB. 22...	60	78	.4	.84	.120	1.9	2.6	2.0	316	140
APR. 24...	70	31	.4	.05	.400	2.2	2.0	1.2	296	620
JUNE 19...	73	60	.5	.53	.020	.00	4.1	.22	363	87
AUG. 20...	47	31	.4	.68	.980	3.6	1.5	1.2	266	516

DATE	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA, MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)
OCT. 19...	84	120	16	1.2	376	7.0	17.5	15	135	6.4
DEC. 07...	5	170	0	3.3	812	6.9	17.0	20	27	5.9
FEB. 22...	4	110	40	2.6	558	7.2	14.0	30	40	6.8
APR. 24...	132	160	46	1.2	500	7.3	22.0	17	200	1.4
JUNE 19...	31	160	34	2.3	628	7.4	29.0	10	25	5.9
AUG. 20...	104	130	21	1.4	453	7.2	29.0	20	150	1.1

TABLE 35.--08065350 TRINITY RIVER NEAR CROCKETT, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	PER- CENT SATUR- ATION	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)	DIS- SOLVED ALUM- INUM (AL) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)
OCT. 19...	67	24	2.0	0	.04	0	11	0	--	0
DEC. 07...	61	110	20	6	.01	--	--	--	--	--
FEB. 22...	65	30	17	4	.00	110	0	0	0	--
APR. 24...	16	60	33	3	.00	20	0	0	0	--
JUNE 19...	76	24	6.4	0	.00	20	10	0	0	--
AUG. 20...	14	40	33	6	.11	--	--	--	--	--

DATE	DIS- SOLVED COBALT (CO) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED LITHIUM (LI) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	DIS- SOLVED STRON- TIUM (SR) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT. 19...	0	5	16	0	0	2	<.5	9	260	0
DEC. 07...	--	--	--	--	--	--	--	--	--	--
FEB. 22...	0	6	90	0	10	220	<.5	9	360	7
APR. 24...	0	6	30	0	0	12	<.5	5	380	0
JUNE 19...	0	4	0	0	10	9	.8	7	440	0
AUG. 20...	--	--	--	--	--	--	--	--	--	--

TABLE 36.--08065500 TRINITY RIVER NEAR MIDWAY, TEX.  
(Lat 31°04'38", long 95°41'57")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
OCT.											
19...	1540	2400	9.2	41	3.1	--	32	--	128	0	34
NOV.											
02...	1200	13900	8.1	42	2.9	--	16	--	123	0	27
DEC.											
07...	1300	--	16	58	6.2	86	--	3.6	180	0	79
JAN.											
25...	1250	--	14	50	7.0	--	90	--	164	0	86
FEB.											
25...	1230	--	12	36	5.9	59	--	7.0	92	0	68
MAR.											
15...	1330	--	10	50	5.9	53	--	5.5	130	0	61
APR.											
19...	1300	--	11	52	6.8	--	91	--	160	0	82
MAY											
24...	1300	--	10	49	5.5	--	75	--	146	0	71
JUNE											
14...	1130	--	8.4	59	5.4	--	65	--	151	0	110
JULY											
12...	1300	--	13	49	6.0	--	110	--	186	0	90
AUG.											
16...	1330	--	13	48	4.4	--	61	--	131	0	68
SEP.											
21...	1000	--	16	53	5.2	--	94	--	182	0	86

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA, MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)
OCT.										
19...	26	.4	--	.000	.00	1.9	1.3	217	120	10
NOV.										
02...	13	.3	.83	.150	.07	.70	.86	173	120	16
DEC.										
07...	82	.7	.62	.260	1.0	3.5	2.5	438	170	22
JAN.										
25...	83	.7	--	.270	3.1	4.8	3.8	438	150	20
FEB.										
25...	65	.4	--	.120	1.4	3.0	2.2	313	110	39
MAR.										
15...	56	.5	--	.260	1.3	2.6	3.0	320	150	43
APR.										
19...	88	.7	--	.300	.57	4.2	2.4	431	160	26
MAY										
24...	73	.6	--	.010	.02	3.0	2.0	369	140	26
JUNE										
14...	43	.5	--	.000	.02	3.5	.88	377	170	46
JULY										
12...	85	.8	--	1.2	.00	4.0	4.2	467	150	0
AUG.										
16...	63	.6	--	.010	.00	.30	1.4	323	140	30
SEP.										
21...	76	.8	--	.050	.00	2.6	3.0	432	150	4

TABLE 36.--08065500 TRINITY RIVER NEAR MIDWAY, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTMBER 1971

DATE	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)	TEMP- ERATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT. 19...	1.3	375	7.8	18.0	6.6	69	3.2	140000	18000	750
NOV. 02...	.6	304	6.8	16.0	5.8	58	2.5	55000	3000	2600
DEC. 07...	2.9	742	7.4	17.0	5.8	60	13	7100	34	6
JAN. 25...	3.2	764	7.6	15.5	7.6	75	18	7700	21	8
FEB. 25...	2.4	538	7.4	15.0	6.9	68	17	19000	280	300
MAR. 15...	1.9	584	7.2	18.5	4.4	47	>8.3	22000	98	140
APR. 19...	3.2	759	7.3	23.0	4.9	56	6.0	68000	20	52
MAY 24...	2.7	667	7.5	25.0	7.2	86	.1	49000	68	95
JUNE 14...	2.2	626	7.0	30.0	4.2	55	2.9	60000	90	14
JULY 12...	3.9	815	7.9	32.0	7.9	107	6.2	4700	12	20
AUG. 16...	2.3	584	7.4	30.0	6.1	80	2.7	9300	110	72
SEP. 21...	3.3	749	7.7	24.5	8.8	105	3.6	15000	130	80

TABLE 37.--08065800 BEDIAS CREEK NEAR MADISONVILLE, TEX.  
(Lat 30°53'03", Long 95°46'39")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	SODIUM PLUS POTASSIUM (NA+K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)
OCT. 19...	1445	.20	13	16	5.6	28	54	0	38	28
NOV. 02...	1100	18	20	14	4.5	23	30	0	38	28
DEC. 07...	1130	2.2	29	34	10	57	110	0	56	72
JAN., 1971 25...	1100	.83	23	40	12	77	123	0	75	98
FEB. 26...	0910	19	9.1	36	12	74	68	0	96	100
MAR. 15...	1200	1.7	2.9	35	11	63	82	0	82	82
APR. 19...	1225	16	13	77	28	79	27	0	290	110
MAY 24...	1200	26	12	19	5.2	44	50	0	40	57
JUNE 14...	1200	.32	24	43	13	68	104	0	97	87
AUG. 16...	1210	.44	12	13	3.5	17	39	0	26	16
16...	1230	.45	15	17	4.6	19	50	0	30	22

DATE	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO
OCT. 19...	.1	--	.000	.00	.2	.32	157	63	19	1.5
NOV. 02...	.1	.43	.000	.00	.1	.27	143	53	29	1.4
DEC. 07...	.2	.73	.000	.16	.00	.25	312	130	36	2.2
JAN., 1971 25...	.1	--	.14	1.1	.8	.77	390	150	48	2.7
FEB. 26...	.2	--	.040	.55	1.0	.75	368	140	84	2.7
MAR. 15...	.2	--	.030	.33	.5	2.1	319	130	66	2.4
APR. 19...	.2	--	.000	.35	.2	.36	611	310	280	2.0
MAY 24...	.1	--	.14	.40	.7	.55	206	69	28	2.3
JUNE 14...	.2	--	.000	.05	.1	.83	384	160	76	2.3
AUG. 16...	.0	--	--	--	.6	--	109	47	15	1.1
16...	.1	--	.000	.16	.2	.52	134	61	20	1.1

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
OCT. 19...	267	7.1	15.5	7.1	70	1.7	20000	730	1800
NOV. 02...	240	6.1	14.0	6.8	65	1.6	49000	380	1100
DEC. 07...	521	6.7	14.5	3.0	29	4.4	7700	120	120
JAN., 1971 25...	686	7.1	15.0	3.3	32	6.4	4000	170	95
FEB. 26...	625	6.8	15.0	5.6	55	12	79000	5300	50000
MAR. 15...	573	6.7	17.0	2.0	21	> 8.4	27000	220	420
APR. 19...	982	6.6	20.5	4.6	51	3.0	88000	840	1800
MAY 24...	377	6.8	22.5	4.0	45	5.3	100000	600	2000
JUNE 14...	649	6.8	26.0	2.7	33	5.3	10000	130	88
AUG. 16...	188	6.5	28.0	--	--	--	--	--	--
16...	229	6.4	26.0	1.6	20	2.3	22000	220	700

TABLE 38.--08065950 NELSON CREEK NEAR RIVERSIDE, TEX.  
(Lat 30°53'40", long 95°30'51")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (STO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)
OCT.										
21...	1700	4.6	23	15	2.9	22	20	0	40	28
NOV.										
02...	1430	1.7	27	20	3.4	26	24	0	50	34
DEC.										
08...	1100	1.3	40	23	4.0	37	30	0	54	52
JAN.										
26...	1035	1.6	39	24	4.2	39	30	0	59	54
FEB.										
26...	1130	3.1	34	22	3.6	38	30	0	54	51
MAR.										
16...	0920	1.3	34	24	4.2	42	32	0	60	56
APR.										
21...	1000	39	11	7.0	1.6	7.6	12	0	15	11
MAY										
25...	1130	4.9	32	22	4.0	30	21	0	57	43
JUNE										
15...	0945	.74	53	21	3.8	35	31	0	51	46
AUG.										
17...	1000	.63	44	16	2.8	35	34	0	36	44
SEP.										
21...	1200	4.6	13	14	2.1	13	44	0	16	12

DATE	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO
OCT.										
21...	.1	--	.000	.00	.00	.050	141	49	33	1.4
NOV.										
02...	.1	.40	.000	.00	.10	.070	173	64	44	1.4
DEC.										
08...	.0	--	.000	.00	.00	.040	225	74	49	1.9
JAN.										
26...	.0	--	.000	.00	.00	.030	234	77	53	1.9
FEB.										
26...	.1	--	.000	.00	.00	.010	218	70	45	2.0
MAR.										
16...	.1	--	.000	.00	.00	.060	236	77	51	2.1
APR.										
21...	.1	--	.000	.35	.20	.17	61	24	14	.7
MAY										
25...	.1	--	.000	.12	.10	.070	199	71	54	1.5
JUNE										
15...	.1	--	.000	.02	.10	.10	225	68	43	1.8
AUG.										
17...	.1	--	.000	.00	.00	.060	195	51	24	2.1
SEP.										
21...	.2	--	.040	.00	.20	.26	93	44	8	.9

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
OCT.									
21...	225	7.6	21.0	8.9	99	1.0	22000	96	150
NOV.									
02...	267	6.5	17.0	7.5	77	1.2	1500	68	110
DEC.									
08...	336	7.2	15.0	9.8	96	.7	5200	11	28
JAN.									
26...	365	7.1	14.0	9.7	93	1.2	5500	4	25
FEB.									
26...	343	7.5	19.0	9.4	100	1.3	6700	130	140
MAR.									
16...	376	6.8	17.0	9.4	97	3.1	9700	26	24
APR.									
21...	102	6.3	17.0	8.2	85	3.9	410000	6500	3200
MAY									
25...	308	6.3	15.0	8.4	82	1.6	32000	96	160
JUNE									
15...	332	6.9	28.5	7.0	90	1.9	58000	100	210
AUG.									
17...	282	7.2	26.0	7.8	95	1.7	44000	13	53
SEP.									
21...	150	7.0	21.0	8.6	96	3.9	69000	160	340

TABLE 39.--08065980 HARMON CREEK NEAR RIVERSIDE, TEX.  
(Lat 30°51'38", long 95°26'00")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	SODIUM (NA) (MG/L)	SODIUM PLUS PO- TAS- SIUM (NA+K) (MG/L)	PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	SULFATE (SO4) (MG/L)
OCT.										
21...	1625	44	47	2.8	100	--	12	218	0	33
NOV.										
02...	1500	32	48	2.7	--	63	--	152	0	31
DEC.										
08...	1010	30	50	3.2	--	99	--	212	0	32
JAN., 1971										
26...	1100	30	53	3.7	--	97	--	207	0	36
FEB.										
26...	1045	34	52	3.2	--	120	--	230	0	35
MAR.										
16...	1030	26	52	3.7	--	98	--	204	0	39
APR.										
20...	1030	31	44	3.1	120	--	14	210	0	38
MAY										
25...	1200	22	40	2.8	--	53	--	136	0	34
JUNE										
15...	1000	17	42	3.4	--	67	--	153	0	42
JULY										
13...	0945	29	42	3.3	--	110	--	200	0	46
AUG.										
17...	1030	31	40	3.2	--	110	--	195	0	48
SEP.										
21...	1145	22	30	2.0	--	43	--	110	0	22

DATE	CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT.										
21...	100	.5	--	.39	2.8	1.0	4.3	456	130	0
NOV.										
02...	75	.2	.58	.32	.00	.9	1.3	332	130	6
DEC.										
08...	100	.5	--	.030	.00	.8	3.2	422	140	0
JAN., 1971										
26...	100	.5	--	.10	.47	1.2	3.0	428	150	0
FEB.										
26...	120	.5	--	.16	.00	1.5	3.8	487	140	0
MAR.										
16...	100	.6	--	.14	.49	1.0	7.5	429	140	0
APR.										
20...	120	.8	--	.18	2.6	.2	3.2	474	120	0
MAY										
25...	57	.3	--	.040	.38	.2	1.2	278	110	0
JUNE										
15...	67	.4	--	.000	.18	.1	1.2	314	120	0
JULY										
13...	100	.6	--	.000	.51	.00	1.9	433	120	0
AUG.										
17...	100	.6	--	.000	.00	.00	1.3	429	110	0
SEP.										
21...	44	.3	--	.10	.53	.5	.90	221	83	0



TABLE 39.--08065980 HARMON CREEK NEAR RIVERSIDE, TEX.--Continued

## WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)	TEMP- ERATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT. 21...	3.8	774	7.9	20.0	9.5	103	7.5	54000	120	42
NOV. 02...	2.4	562	7.6	18.0	8.3	87	5.4	25000	140	140
DEC. 08...	3.7	719	7.8	16.0	8.6	86	6.8	24000	30	28
JAN., 1971 26...	3.5	751	7.6	14.0	6.6	63	5.5	6000	8	4
FEB. 26...	4.4	838	8.6	15.5	10.0	99	12	6300	32	45
MAR. 16...	3.5	749	7.9	18.0	7.5	79	> 8.5	59000	11	51
APR. 20...	4.7	815	7.7	22.0	3.6	41	7.5	100000	60	100
MAY 25...	2.2	488	7.0	24.0	2.4	28	4.4	22000	78	82
JUNE 15...	2.7	552	7.0	29.0	4.6	59	5.1	22000	4	16
JULY 13...	4.4	760	7.4	29.5	3.8	49	4.6	19000	13	12
AUG. 17...	4.5	744	7.6	28.5	3.2	41	5.4	22000	98	26
SEP. 21...	2.1	366	7.2	22.0	4.2	48	6.9	45000	210	46

TABLE 40.--08066000 TRINITY RIVER AT RIVERSIDE, TEX.  
(Lat 30°51'35", long 95°23'54")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	DIS-SOLVED POTAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
OCT.											
21...	1610	7.6	37	2.7	--	24	--	114	0	30	16
NOV.											
02...	1530	5.9	37	2.8	--	17	--	111	0	23	15
DEC.											
08...	0930	9.4	52	4.2	--	45	--	155	0	49	42
JAN.											
27...	1200	11	54	5.9	--	69	--	160	0	69	67
FEB.											
26...	1015	13	52	6.4	91	--	7.6	160	0	80	88
MAR.											
16...	1100	11	47	6.3	68	--	6.4	128	0	76	69
APR.											
20...	1100	5.4	42	5.4	--	58	--	126	0	55	59
MAY											
25...	1200	11	40	4.6	--	53	--	110	0	60	53
JUNE											
15...	1030	4.8	51	5.8	--	91	--	168	0	83	78
JULY											
13...	1030	8.3	54	5.6	--	63	--	164	0	80	52
AUG.											
17...	1045	11	42	4.0	52	--	9.9	128	0	55	50
SEP.											
21...	1120	11	48	4.4	--	52	--	144	0	64	42

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)
OCT.									
21...	.5	--	.000	.00	1.7	.51	181	100	10
NOV.									
02...	.2	.88	.000	.00	.90	.52	160	100	13
DEC.									
08...	.4	--	.020	.00	1.6	.69	285	150	20
JAN.									
27...	.5	--	.040	.00	3.0	2.0	369	160	28
FEB.									
26...	.5	--	.160	1.5	4.6	2.8	440	160	25
MAR.									
16...	.5	--	.080	.10	3.4	4.7	363	140	38
APR.									
20...	.4	--	.100	.16	2.2	1.4	297	130	24
MAY									
25...	.4	--	.050	.28	1.9	1.2	285	120	29
JUNE									
15...	.7	--	.070	.02	3.4	2.0	413	150	14
JULY									
13...	.6	--	.180	.78	.90	.90	350	160	23
AUG.									
17...	.5	--	.360	1.2	1.6	1.2	297	120	16
SEP.									
21...	.5	--	.160	.00	1.8	.80	301	140	20

TABLE 40.--08066000 TRINITY RIVER AT RIVERSIDE, TEX.--Continued  
WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)	TEMP- ERATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT. 21...	1.0	315	7.3	18.0	5.1	54	3.6	17000	330	250
NOV. 02...	.7	288	6.8	17.5	4.8	50	2.0	95000	660	600
DEC. 08...	1.6	482	7.7	15.5	9.6	95	2.9	13000	6	54
JAN. 27...	2.4	637	8.0	14.0	13.0	125	6.3	1600	2	8
FEB. 26...	3.2	745	7.7	14.5	5.9	57	4.8	6900	3	3
MAR. 16...	2.5	621	7.2	15.5	3.4	34	>9.0	2500	4	11
APR. 20...	2.2	535	7.3	20.0	4.7	51	5.6	21000	540	480
MAY 25...	2.1	508	7.0	24.0	1.9	22	2.3	29000	24	44
JUNE 15...	3.2	720	8.4	30.0	11.0	145	6.4	31000	32	8
JULY 13...	2.2	612	7.2	29.0	1.5	19	3.4	3700	16	23
AUG. 17...	2.1	509	6.9	28.0	1.4	18	7.0	20000	4	8
SEP. 21...	1.9	514	7.1	25.5	1.6	19	3.3	12000	18	26

TABLE 41.--08066130 WHITE ROCK CREEK NEAR TRINITY, TEX.  
(Lat 31°02'13", long 95°21'23")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)
OCT.										
13...	1345	129	3.2	12	1.0	17	18	0	26	19
21...	1525	4.7	7.6	13	3.4	22	24	0	41	23
NOV.										
02...	1300	4.0	12	17	4.2	27	34	0	44	32
DEC.										
08...	1310	1.2	10	29	7.1	51	53	0	84	58
JAN.										
26...	1150	1.4	15	27	6.8	65	71	0	68	76
FEB.										
25...	1120	2.1	12	42	11	130	104	0	130	150
MAR.										
15...	1430	2.5	8.6	32	9.3	73	64	0	98	87
MAY										
25...	1310	1.8	16	34	8.9	70	62	0	93	89
JUNE										
16...	1430	.31	18	38	8.4	120	89	0	130	130
SEP.										
21...	1045	.01	15	46	9.5	210	124	0	240	180

DATE	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO
OCT.										
13...	.0	--	--	--	.9	--	91	34	19	1.3
21...	.2	--	.000	.03	.1	.13	123	48	28	1.4
NOV.										
02...	.1	.42	.000	.00	.1	.18	154	60	32	1.5
DEC.										
08...	.1	--	.000	.00	.00	.060	265	100	58	2.2
JAN., 1971										
26...	.1	--	.000	.00	.00	.070	293	95	37	2.9
FEB.										
25...	.2	--	.000	.00	.00	.020	520	150	65	4.6
MAR.										
15...	.2	--	.000	.00	.00	.22	339	120	66	2.9
MAY										
25...	.1	--	.000	.22	.00	.080	341	120	71	2.8
JUNE										
16...	.2	--	.000	.08	.2	.030	481	130	56	4.6
SEP.										
21...	.2	--	.000	.00	.00	.080	754	150	52	7.4

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
OCT.									
13...	164	6.8	19.0	--	--	--	--	--	--
21...	219	7.8	21.0	9.8	109	2.9	29000	400	490
NOV.									
02...	269	6.7	17.0	8.5	88	1.6	8000	90	20
DEC.									
08...	457	7.3	13.0	10.0	94	1.8	11000	15	76
JAN.									
26...	513	7.4	14.5	9.7	94	2.1	3000	4	16
FEB.									
25...	871	7.9	14.5	9.5	92	1.6	11000	100	76
MAR.									
15...	596	7.7	23.5	9.5	110	6.5	39000	38	57
MAY									
25...	602	7.6	29.0	9.2	118	3.8	61000	140	290
JUNE									
16...	842	8.3	33.5	9.2	128	4.5	11000	20	16
SEP.									
21...	1270	7.7	20.5	7.9	87	4.5	18000	50	30

TABLE 42.--08066147 WHITE ROCK CREEK AT FARM ROAD 356, NEAR TRINITY, TEX.  
(Lat 30°54'48", long 95°16'14")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	SODIUM PLUS PO- TAS- SIUM (NA+K) (MG/L)	BICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	SULFATE (S04) (MG/L)	CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)
OCT.										
21...	1430	7.2	46	4.1	40	130	0	47	40	.4
NOV.										
03...	1100	6.1	36	2.7	18	105	0	25	16	.2
DEC.										
09...	0930	7.5	40	3.4	23	120	0	34	21	.3
JAN., 1971										
27...	1245	4.0	40	4.3	40	128	0	46	36	.3
FEB.										
25...	1030	5.3	47	5.2	62	148	0	61	58	.3
MAR.										
16...	1215	4.6	44	5.6	60	135	0	60	61	.4
APR.										
20...	1130	2.8	37	5.2	49	116	0	52	50	.3
MAY										
25...	1410	6.2	38	4.8	57	118	0	67	51	.3
JUNE										
15...	1100	2.2	42	4.8	54	146	0	45	52	.4
JULY										
13...	1115	2.4	47	5.0	51	164	0	42	49	.4
AUG.										
17...	1130	7.7	50	5.3	81	182	0	65	74	.6
SEP.										
22...	1100	9.2	46	4.8	67	162	0	60	58	.5

DATE	ORGANIC NITRO- GEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO
OCT.									
21...	--	.000	.00	1.5	.54	255	130	25	1.5
NOV.									
03...	.51	.000	.00	1.4	.51	162	100	15	.8
DEC.									
09...	--	.000	.00	.2	.29	189	110	15	.9
JAN., 1971									
27...	--	.020	.00	.3	.55	235	120	13	1.6
FEB.									
25...	--	.14	.00	1.7	.21	320	140	18	2.3
MAR.									
16...	--	.070	.25	1.3	2.9	308	130	22	2.3
APR.									
20...	--	.030	.18	.1	.56	254	110	19	2.0
MAY									
25...	--	.040	.34	.2	.68	283	110	18	2.3
JUNE									
15...	--	.000	.02	.1	.59	273	120	5	2.1
JULY									
13...	--	.000	.00	.00	.36	278	140	3	1.9
AUG.									
17...	--	.030	.00	.00	.68	373	150	0	2.9
SEP.									
22...	--	.090	.42	.5	.82	329	130	2	2.5

TABLE 42.--08066147 WHITE ROCK CREEK AT FARM ROAD 356, NEAR TRINITY, TEX.--Continued

## WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	SPECIFIC CONDUCTANCE (MICRO- MHOS)	PH (UNITS)	TEMP- ERATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT. 21...	451	8.1	20.5	8.1	89	2.1	22000	36	130
NOV. 03...	290	7.0	18.0	4.5	47	1.2	280000	7700	2500
DEC. 09...	330	7.3	16.0	7.8	78	2.5	12000	7	18
JAN., 1971 27...	424	8.7	15.0	14.4	141	7.5	320	2	0
FEB. 25...	556	7.8	13.5	8.3	79	5.0	9700	1	18
MAR. 16...	553	8.1	17.5	9.6	100	> 8.8	11000	6	220
APR. 20...	467	7.1	21.0	5.2	58	4.8	43000	350	360
MAY 25...	470	7.4	25.0	6.5	77	5.0	7000	2	24
JUNE 15...	496	7.3	29.0	3.6	46	7.3	9000	2	4
JULY 13...	507	7.2	29.5	3.1	40	3.6	8500	21	19
AUG. 17...	645	8.0	29.0	7.1	91	6.3	10000	1	0
SEP. 22...	575	7.2	24.5	2.6	31	2.6	9000	84	60

TABLE 43.--08066170 KICKAPOO CREEK NEAR ONALASKA, TEX.  
(Lat 30°54'25", long 95°05'18")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
OCT.										
12...	1705	49	7.2	6.0	1.2	18	11	0	28	14
21...	1345	2.8	18	7.2	2.2	16	10	0	31	14
NOV.										
03...	1000	4.2	24	14	3.4	32	22	0	56	29
DEC.										
09...	1130	.92	40	18	4.0	45	27	0	77	40
JAN.										
27...	1035	1.0	39	20	4.6	58	35	0	91	50
FEB.										
25...	0935	1.2	34	23	5.0	79	67	0	100	64
MAR.										
16...	1300	.55	33	21	4.7	73	48	0	100	60
APR.										
21...	1230	.71	24	13	3.2	34	22	0	57	30
MAY										
26...	1100	1.3	26	14	4.1	62	61	0	67	47
JUNE										
16...	1215	.17	55	24	3.8	66	64	0	78	53
JULY										
13...	1200	.04	48	28	5.3	68	60	0	110	54
SEP.										
22...	1130	1.2	25	12	3.2	47	45	0	61	31

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO
OCT.										
12...	.0	--	--	--	.50	--	82	20	11	1.8
21...	.2	--	.000	.00	.00	.12	94	27	19	1.3
NOV.										
03...	.1	.34	.000	.00	.00	.20	170	49	31	2.0
DEC.										
09...	.1	--	.000	.00	.00	.10	237	61	39	2.5
JAN.										
27...	.0	--	.000	.00	.00	.10	280	69	40	3.0
FEB.										
25...	.2	--	.000	.00	.00	.16	338	78	23	3.9
MAR.										
16...	.2	--	.000	.00	.10	.39	318	72	32	3.7
APR.										
21...	.1	--	.000	.15	.00	.14	172	46	28	2.2
MAY										
26...	.1	--	.000	.24	.10	.72	251	52	2	3.7
JUNE										
16...	.2	--	.000	.10	.10	.55	308	66	13	3.5
JULY										
13...	.2	--	.000	.00	.00	.28	344	92	42	3.1
SEP.										
22...	.2	--	.000	.00	.10	.38	202	43	6	3.1

DATE	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)
OCT.									
12...	132	6.0	19.0	--	--	--	--	--	--
21...	149	7.0	20.0	9.6	104	2.1	110000	1100	890
NOV.									
03...	263	6.4	12.5	9.1	85	1.7	15000	88	72
DEC.									
09...	348	6.8	17.0	9.6	99	1.0	5600	66	79
JAN.									
27...	429	7.4	12.0	9.4	87	1.4	3000	10	10
FEB.									
25...	539	7.0	14.0	9.2	88	1.6	4800	26	17
MAR.									
16...	504	7.5	22.5	11.2	127	4.2	7700	22	14
APR.									
21...	289	6.8	15.5	9.9	98	3.1	50000	60	44
MAY									
26...	410	7.0	25.0	8.8	105	2.5	16000	230	360
JUNE									
16...	466	7.9	33.5	11.2	156	5.0	57000	8	96
JULY									
13...	539	8.0	35.0	12.6	177	2.4	80000	3	8
SEP.									
22...	308	6.8	23.0	8.9	102	3.0	22000	86	40

TABLE 44.--08066191 LIVINGSTON RESERVOIR OUTFLOW WEIR NEAR GOODRICH, TEX.  
(Lat 30°37'55', long 95°01'11")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
FEB. 24...	1400	305	2.6	53	4.4	33	162	0	42
MAR. 17...	1030	1120	.6	53	4.7	34	161	0	42
APR. 20...	1300	328	.5	54	4.6	35	166	0	44
MAY 26...	1230	1510	2.0	52	4.5	43	166	0	46
JUNE 16...	1210	1510	3.2	53	4.5	41	171	0	41
JULY 13...	1315	979	1.9	45	4.8	43	151	0	40
AUG. 17...	1240	528	1.3	48	4.6	48	159	0	43
SEP. 22...	1230	386	1.9	48	4.7	50	166	0	42

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
FEB. 24...	32	.2	.000	.00	.2	.040	247	150	17
MAR. 17...	34	.3	.000	.00	.1	.19	248	150	20
APR. 20...	34	.3	.040	.13	.1	.22	255	150	18
MAY 26...	41	.3	.000	.11	.1	.090	271	150	12
JUNE 16...	40	.4	.000	.16	.1	.30	268	150	11
JULY 13...	42	.4	.000	.18	.00	.14	251	130	8
AUG. 17...	48	.3	.000	.00	.00	.10	271	140	8
SEP. 22...	47	.4	.020	.00	.1	.15	276	140	3

DATE	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
FEB. 24...	1.2	453	7.7	12.5	10.4	97	1.5	92	0	0
MAR. 17...	1.2	458	7.8	14.0	10.7	103	>9.0	2500	0	0
APR. 20...	1.2	470	7.8	17.5	9.8	102	2.3	7000	2	4
MAY 26...	1.5	479	7.7	23.0	9.2	106	1.2	8000	1	0
JUNE 16...	1.5	474	7.5	25.0	8.2	98	7.0	3000	7	9
JULY 13...	1.6	466	7.7	29.0	10.4	133	2.2	6600	1	2
AUG. 17...	1.8	481	7.3	28.0	7.6	96	2.3	2100	0	1
SEP. 22...	1.8	491	7.6	25.5	8.0	96	3.9	200	0	0



TABLE 45.--08066500 TRINITY RIVER AT ROMAYOR, TEX.  
(Lat 30°25'30", long 94°51'02")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
OCT. 21...	1445	660	3.5	51	5.5	39	173	0	34	41	.3	.36
DEC. 16...	1450	351	4.6	52	4.4	36	166	0	35	37	.2	.32
FEB. 22...	1700	342	.0	54	5.2	31	168	0	36	34	.2	.23
APR. 06...	1545	1390	.0	53	1.2	41	161	0	42	35	.2	.35
JUNE 15...	1445	1360	2.7	52	4.9	41	170	0	42	40	.0	.69
AUG. 17...	1430	525	2.3	51	2.9	44	162	0	36	46	.3	.34

DATE	TOTAL NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA, MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)
OCT. 21...	.000	.06	.00	.20	260	24	1	150	8	1.4	462	7.6
DEC. 16...	.010	.09	.2	.050	252	24	16	150	12	1.3	458	7.1
FEB. 22...	.010	.05	.2	.10	244	15	3	160	18	1.1	456	7.7
APR. 06...	.010	.00	.2	.12	252	43	26	140	71	1.5	463	7.3
JUNE 15...	.000	.08	.00	.16	267	50	6	150	11	1.5	490	7.8
AUG. 17...	.000	.24	.00	.13	263	40	26	140	6	1.6	484	6.9

DATE	TEMP-ERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METH-YLENE BLUE ACTIVE SUB-STANCE (MG/L)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)
OCT. 21...	21.0	0	15	8.4	93	18	3.1	0	.01	0	0	0
DEC. 16...	12.5	15	10	10.9	102	14	2.1	0	.00	--	--	--
FEB. 22...	15.0	0	15	11.0	108	18	2.0	0	.00	0	0	0
APR. 06...	17.0	25	20	10.4	110	16	1.7	0	.00	--	--	--
JUNE 15...	31.0	50	30	9.2	123	31	.6	0	.00	20	0	0
AUG. 17...	32.0	15	75	8.0	108	23	3.5	0	.00	20	0	0

DATE	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT. 21...	--	0	0	2	11	0	0	7	<.5	8	380	0
DEC. 16...	--	--	--	--	--	--	--	--	--	--	--	--
FEB. 22...	0	--	0	0	26	0	10	30	<.5	0	340	2
APR. 06...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 15...	0	--	0	10	40	0	10	1	<.5	0	320	40
AUG. 17...	0	--	0	6	10	0	10	120	<.5	2	310	0

TABLE 45.--08066500 TRINITY RIVER AT ROMAYOR, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
OCT. 21...	1445	660	--	<.2	--	<.2	--	<.2	--	<.2
FEB. 22...	1700	342	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JUNE 15...	1445	1360	.00	<.2	.00	<.2	.00	<.2	.00	<.2
AUG. 17...	1430	525	.00	<.2	.00	<.2	.00	<.2	.00	<.2

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM DE-POSITS (UG/KG)	LINDANE (UG/L)
OCT. 21...	--	.3	--	<.2	--	<.2	--	<.2	--
FEB. 22...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
JUNE 15...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
AUG. 17...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00

DATE	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL-PARA-THION (UG/L)	METHYL-PARA-THION IN BOTTOM DE-POSITS (UG/KG)	PARA-THION (UG/L)
OCT. 21...	<.2	--	<1.0	--	--	<.2	--	<.2	--
FEB. 22...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
JUNE 15...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
AUG. 17...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00

DATE	PARA-THION IN BOTTOM DE-POSITS (UG/KG)	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
OCT. 21...	<.2	--	<10	--	<5.3	--	<.6	--	<.6
FEB. 22...	<.2	.0	<10	.00	<1.8	.00	<.2	.00	<.2
JUNE 15...	<.2	.0	<10	.00	<1.2	.01	<.3	.00	<.3
AUG. 17...	<.2	.0	<10	--	<1.4	--	<.4	--	<.4

TABLE 46.--08067000 TRINITY RIVER AT LIBERTY, TEX.  
(Lat 30°03'27", long 94°49'05")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	SODIUM PLUS PO- TAS- SIUM (NA+K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	NITRITE (N) (MG/L)
MAY												
04...	1540	1.5	53	5.8	47	168	0	42	54	.4	.30	.000
19...	0715	6.3	38	4.2	25	116	0	21	35	.2	.32	.010
JUNE												
10...	1315	1.8	57	2.4	43	176	0	42	40	.3	.21	.000
23...	1545	3.4	54	6.7	40	178	0	38	44	.3	.34	.010
JULY												
14...	0750	2.2	47	6.0	42	160	0	38	43	.4	.29	.000
22...	1245	2.0	47	8.4	40	156	0	48	43	.4	.29	.000
AUG.												
04...	1210	2.2	48	7.4	40	164	0	38	44	.3	.12	.000
25...	1315	3.6	52	4.9	44	170	0	38	46	.3	.37	.000

DATE	AMMONIA NITRO- GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)	TEMP- ERATURE (DEG C)
MAY											
04...	.12	.00	.060	287	3	160	18	1.6	502	8.2	28.0
19...	.07	.00	.030	187	--	110	17	1.0	392	7.2	25.0
JUNE											
10...	.05	.00	.14	274	--	150	8	1.5	501	7.8	29.5
23...	.08	.00	.20	275	34	160	16	1.4	506	8.4	30.0
JULY											
14...	.03	.00	.070	258	--	140	11	1.5	478	8.0	30.0
22...	.17	.00	.11	266	--	150	24	1.4	471	7.9	30.0
AUG.											
04...	.04	.00	.080	261	62	150	16	1.4	474	6.8	26.5
25...	.00	.3	.11	274	20	150	11	1.6	502	8.2	31.5

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- IDITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PFR 100 ML)	PHENOLS (UG/L)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)	OIL AND GREASE (MG/L)
MAY												
04...	20	20	8.6	109	4	2.2	13000	1	5000	5	.00	0
19...	40	55	7.1	85	35	3.1	27000	59	51	0	.00	--
JUNE												
10...	10	25	7.5	97	20	3.1	18000	700	57	1	.01	--
23...	30	30	9.5	125	27	4.3	6700	5	17	0	.01	0
JULY												
14...	25	25	6.2	82	19	2.0	20000	11	42	4	.00	--
22...	30	40	7.0	92	19	2.5	27000	210	88	4	.04	10
AUG.												
04...	30	30	6.9	84	24	1.4	50000	2500	640	13	.00	10
25...	35	15	8.0	108	17	2.3	12000	150	430	0	.02	--

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY											
04...	0	0	0	0	2	310	5	90	.6	0	10
19...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
10...	--	--	--	--	--	--	--	--	--	--	--
23...	0	0	0	0	3	10	0	0	<.5	0	10
JULY											
14...	--	--	--	--	--	--	--	--	--	--	--
22...	0	0	0	0	7	10	0	2	1.0	0	10
AUG.											
04...	0	0	0	0	5	10	0	1	<.5	5	0
25...	--	--	--	--	--	--	--	--	--	--	--

TABLE 46.--08067000 TRINITY RIVER AT LIBERTY, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
MAY 04...	1540	.00	.00	.00	.00	.00	.00	.00	.00
JUNE 23...	1545	.00	.00	.00	.00	.00	.00	.00	.00
JULY 22...	1245	.00	.00	.00	.00	.00	.00	.00	.00
AUG. 04...	1210	.00	.00	.00	.00	.00	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY 04...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00
JUNE 23...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00
JULY 22...	.00	.0	.0	.00	.00	.00	.00	.00	.02	.00
AUG. 04...	.00	.0	.0	.00	.00	.00	.00	.02	.01	.00

TABLE 47.--08067120 TURTLE BAYOU NEAR HANKAMER, TEX.  
(Lat 29°53'47", Long 94°39'48")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE- SIUM (MG)	DIS-SOLVED SODIUM POTAS- SIUM (MG/L)	BICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)
MAY												
04...	1430	.69	2.4	49	12	120	114	0	33	220	.3	.36
18...	0830	1.7	3.8	38	11	28	120	0	27	52	.5	.3A
25...	1240	5.0	7.3	47	6.4	82	154	0	24	120	.7	.17
JUNE												
08...	1030	3.6	2.9	50	8.5	62	190	0	31	76	.3	.23
21...	1140	9.8	12	51	6.1	77	176	0	38	96	.3	.48
JULY												
12...	1300	5.6	10	47	5.5	74	176	0	20	96	.6	.41
23...	0945	7.3	16	60	12	67	231	0	11	100	.6	.36
AUG.												
11...	1310	2.6	14	41	7.7	74	136	0	15	120	.2	.34
25...	1050	1.0	7.6	50	7.5	93	82	0	110	120	.2	.17

DATE	NITRITE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)	TEMP- ERATURE (DEG C)
MAY												
04...	.000	.27	.00	.000	489	63	170	78	4.0	949	7.6	30.0
18...	.090	.24	.2	.070	221	--	140	42	1.0	417	6.9	21.0
25...	.16	.28	.4	.010	364	--	140	18	3.0	703	7.1	27.5
JUNE												
08...	.010	.33	.00	.050	324	--	160	4	2.1	617	7.2	26.0
21...	.010	.13	.1	.13	368	178	150	1	2.7	672	7.2	26.5
JULY												
12...	.020	.11	.00	.030	340	--	140	0	2.7	643	7.8	28.0
23...	.010	.17	.00	.060	382	--	200	8	2.1	725	7.1	27.5
AUG.												
11...	.020	.11	.1	.060	340	92	130	22	2.8	633	7.3	27.5
25...	.000	.09	.1	.020	434	56	160	89	3.2	756	6.5	27.0

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	PHENOLS (UG/L)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)	OIL AND GREASE (MG/L)
MAY												
04...	60	35	7.6	100	15	2.4	7300	1	84	5	.00	0
18...	50	45	6.5	72	40	4.3	35000	120	210	0	.00	--
25...	40	45	7.7	96	35	.3	75000	720	610	0	.00	--
JUNE												
08...	60	45	6.2	76	32	2.5	16000	220	430	4	.01	--
21...	50	80	7.4	90	34	2.8	280000	70000	580	2	.00	--
JULY												
12...	65	60	7.5	95	30	1.7	9000	400	430	2	.00	--
23...	50	60	6.4	80	33	1.8	95000	380	1800	4	.00	--
AUG.												
11...	120	50	7.5	94	39	1.8	8300	6	410	7	.01	60
25...	25	25	5.8	72	27	.7	8200	40	35	1	.02	--

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY											
04...	0	0	0	0	4	33	0	50	<.5	10	10
18...	--	--	--	--	--	--	--	--	--	--	--
25...	0	0	0	0	7	110	0	50	<.5	0	40
JUNE											
08...	--	--	--	--	--	--	--	--	--	--	--
21...	0	0	0	0	3	50	0	0	<.5	0	10
JULY											
12...	--	--	--	--	--	--	--	--	--	--	--
23...	0	0	0	0	9	110	0	1	.6	4	10
AUG.											
11...	0	0	0	1	9	790	0	80	<.5	4	120
25...	--	--	--	--	--	--	--	--	--	--	--

TABLE 47.--08067120 TURTLE BAYOU NEAR HANKAMER, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
MAY										
04...	1430	.69	.00	.00	.00	.00	.03	.00	.00	.00
25...	1240	5.0	.00	.00	.00	.00	.02	.00	.00	.00
JUNE										
21...	1140	9.8	.00	.00	.00	.00	.03	.00	.00	.00
JULY										
23...	0945	7.3	.00	.00	.00	.00	.01	.00	.00	.00
AUG.										
11...	1310	2.6	.00	.00	.00	.00	.02	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY										
04...	.00	.0	.0	.00	.00	.00	.00	--	--	--
25...	.00	.0	.0	.00	.00	.00	.00	.00	.02	.00
JUNE										
21...	.00	.0	.0	.00	.00	.00	.00	.00	.13	.00
JULY										
23...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00
AUG.										
11...	.00	.0	.0	.00	.00	.00	.00	.00	.01	.00

TABLE 48.--08067500 CEDAR BAYOU NEAR CROSBY, TEX.  
(Lat 29°58'20", long 94°59'10")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
MAY												
05...	1130	2.4	4.0	50	8.5	84	152	0	33	130	.3	.39
19...	0810	3.9	4.0	37	6.2	75	148	0	23	95	.4	.36
25...	1045	11	7.7	44	7.3	65	134	0	27	100	.7	.40
JUNE												
10...	1215	3.9	2.6	25	3.5	92	138	0	24	98	.5	.41
23...	1445	15	10	44	8.3	67	160	0	14	100	.3	.66
JULY												
14...	0830	5.0	17	45	6.7	81	176	0	11	110	.4	.24
21...	1510	12	12	44	8.8	68	190	0	14	88	.4	.38
AUG.												
04...	1245	177	17	30	4.4	56	112	0	11	78	.2	.27
25...	1145	6.2	13	50	8.5	78	180	0	12	120	.3	.27

DATE	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)
MAY												
05...	.010	.14	.00	.11	385	18	160	36	2.9	741	7.7	24.5
19...	.010	.03	.00	.040	314	--	120	0	3.0	601	7.4	24.5
25...	.070	.20	.2	.040	319	--	140	30	2.4	620	7.3	27.5
JUNE												
10...	.030	.11	.1	.15	314	--	77	0	4.6	602	7.5	30.0
23...	.020	.68	.00	.19	328	68	140	13	2.4	639	8.0	30.0
JULY												
14...	.000	.13	.00	.050	360	--	140	0	3.0	661	7.8	28.0
21...	.020	.13	.00	.060	328	--	150	0	2.4	610	8.1	32.0
AUG.												
04...	.010	.11	.1	.12	252	266	93	1	2.5	456	6.6	24.0
25...	.010	.00	.5	.11	371	72	160	12	2.7	764	8.2	30.5

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	OIL AND GREASE (MG/L)
MAY												
05...	20	15	5.7	68	11	3.0	22000	190	48	10	.00	10
19...	50	15	5.5	65	37	3.0	140000	500	180	4	.00	--
25...	30	50	7.4	92	33	3.2	59000	2800	580	12	.00	0
JUNE												
10...	50	80	9.0	118	47	5.5	140000	1600	480	0	.01	--
23...	50	45	8.2	108	38	2.3	19000	150	150	2	.00	10
JULY												
14...	50	35	4.9	62	24	.9	9700	140	160	6	.00	--
21...	40	45	8.5	115	20	2.0	23000	5300	230	5	.01	20
AUG.												
04...	120	100	5.3	62	38	1.6	250000	2700	5400	1	.00	30
25...	35	35	8.8	116	64	.6	10000	170	450	0	.03	--

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
MAY											
05...	0	0	0	0	4	14	0	40	<.5	0	10
19...	--	--	--	--	--	--	--	--	--	--	--
25...	0	0	0	0	5	34	0	40	<.5	0	30
JUNE											
10...	--	--	--	--	--	--	--	--	--	--	--
23...	0	0	0	0	4	60	0	0	<.5	0	10
JULY											
14...	--	--	--	--	--	--	--	--	--	--	--
21...	0	0	0	0	3	70	0	5	2.2	0	10
AUG.											
04...	0	0	0	0	13	310	0	30	<.5	2	150
25...	--	--	--	--	--	--	--	--	--	--	--

TABLE 48.--08067500 CEDAR BAYOU NEAR CROSBY, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)
MAY										
05...	1130	2.4	.00	.00	.00	.00	.05	.00	.00	.00
25...	1045	11	.00	.00	.00	.00	.02	.00	.00	.00
JUNE										
23...	1445	15	.00	.00	.00	.00	.03	.00	.00	.00
JULY										
21...	1510	12	.00	.00	.00	.00	.01	.00	.00	.00
AUG.										
04...	1245	177	.00	.00	.00	.00	.01	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR-DANE (UG/L)	TOXA-PHENE (UG/L)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY										
05...	.00	.0	.0	.00	.00	.00	.00	.00	.04	.00
25...	.00	.0	.0	.00	.00	.00	.00	.00	.06	.00
JUNE										
23...	.00	.0	.0	.00	.00	.00	.00	.00	.01	.00
JULY										
21...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00
AUG.										
04...	.00	.0	.0	.00	.00	.00	.00	1.1	.01	.00



TABLE 49.--08067520 GOOSE CREEK NEAR MCNAIR, TEX.  
(Lat 29°48'00", long 95°00'15")

WATER QUALITY DATA. WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)
MAY											
05...	0915	10	9.7	26	3.7	24	84	0	11	36	.2
18...	0700	.45	19	42	14	89	242	0	29	90	.8
25...	0900	8.2	10	29	3.2	25	83	0	14	37	.3
JUNE											
08...	1140	.19	21	25	11	120	234	0	29	80	.5
21...	0715	1.8	18	46	5.2	50	168	0	24	52	.4
JULY											
12...	0700	.52	22	32	5.8	94	196	0	20	68	.6
23...	0800	.50	22	28	9.7	80	204	0	23	65	.6
AUG.											
04...	0700	7.0	14	40	5.4	36	140	0	18	45	.3
25...	0650	.41	26	24	10	130	272	0	26	76	.5
SEP.											
10...	1300	135	11	14	1.7	9.8	47	0	11	8.0	.0

DATE	ORGANIC NITROGEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)
MAY												
05...	.56	.010	.31	.7	.21	155	322	80	0	1.2	307	7.5
18...	.43	.020	.48	.1	.020	404	--	160	0	3.0	798	7.1
25...	.01	.020	.30	.5	.27	161	--	83	15	1.2	302	6.9
JUNE												
08...	.64	.35	1.5	7.9	7.4	436	--	110	0	5.0	791	7.3
21...	.44	.080	.26	2.6	1.2	291	146	140	0	1.9	510	7.1
JULY												
12...	.49	.10	.22	8.1	3.0	375	--	100	0	4.0	618	7.7
23...	.63	.12	.27	.00	4.7	329	--	110	0	3.3	639	7.0
AUG.												
04...	.28	.020	.15	.6	.54	231	128	120	7	1.4	408	6.8
25...	.46	.10	.14	4.5	6.2	443	50	100	0	5.6	792	7.6
SEP.												
10...	.21	.010	.14	.7	.37	82	--	42	4	.7	132	7.2

DATE	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM PER 100 ML	FECAL COLIFORM PER 100 ML	STREPTOCOCCI (COLONIES PER 100 ML)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
MAY												
05...	23.0	100	140	7.8	90	3	.4	20000	1500	1	12	.00
18...	21.0	30	55	5.8	64	66	4.3	52000	1500	590	0	.00
25...	23.5	70	160	7.0	81	36	.7	75000	5600	3600	5	.00
JUNE												
08...	29.0	40	45	7.8	100	52	5.7	85000	2900	880	0	.04
21...	25.0	60	65	5.3	63	28	2.4	40000	4400	2100	8	.00
JULY												
12...	25.5	55	50	4.2	51	25	3.1	130000	4000	2300	9	.00
23...	26.0	40	40	3.9	48	31	3.5	380000	2000	1900	3	.05
AUG.												
04...	24.5	80	45	8.4	64	30	1.6	50000	4000	1900	1	.01
25...	25.0	50	25	3.8	45	21	4.2	78000	950	3200	0	.10
SEP.												
10...	25.5	110	35	6.2	75	24	2.3	2500000	7000	25000	3	.00

DATE	OIL AND GREASE (MG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
MAY												
05...	0	0	0	0	0	5	14	0	40	<.5	0	10
18...	--	--	--	--	--	--	--	--	--	--	--	--
25...	50	0	1	0	0	19	90	9	20	<.5	0	80
JUNE												
08...	--	--	--	--	--	--	--	--	--	--	--	--
21...	20	0	0	0	0	7	150	0	0	.6	0	40
JULY												
12...	--	--	--	--	--	--	--	--	--	--	--	--
23...	10	0	0	0	0	10	40	0	2	1.0	0	10
AUG.												
04...	90	0	0	0	0	14	130	0	30	.8	4	40
25...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
10...	--	10	0	0	0	7	90	0	0	<.5	0	10

TABLE 49.--08067520 GOOSE CREEK NEAR MCNAIR, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHANGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
MAY										
05...	0915	10	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
25...	0900	8.2	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
JUNE										
21...	0715	1.8	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
JULY										
23...	0800	.50	0.00	0.00	0.00	0.01	0.05	0.00	0.00	0.00
AUG.										
04...	0700	7.0	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
SEP.										
10...	1300	135	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	TOX- APHENE (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY										
05...	0.00	0.0	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.00
25...	0.00	0.1	0.01	0.03	0.00	0.00	0.0	0.00	0.00	0.00
JUNE										
21...	0.00	0.0	0.00	0.00	0.00	0.00	0.0	0.00	0.02	0.00
JULY										
23...	0.00	0.0	0.00	0.00	0.00	0.00	0.0	0.00	0.01	0.00
AUG.										
04...	0.00	0.0	0.00	0.00	0.00	0.00	0.0	0.00	0.10	0.00
SEP.										
10...	0.00	0.0	0.00	0.00	0.00	0.00	0.0	0.00	0.50	0.00

TABLE 50.--08068000 WEST FORK SAN JACINTO RIVER NEAR CONROE, TEX.  
(Lat 30°14'41", long 95°27'26")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SiO <sub>2</sub> ) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG)	SODIUM PLUS PO-TAS-SIUM (NA+K) (MG/L)	BICAR-BONATE (HCO <sub>3</sub> ) (MG/L)	CAR-BONATE (CO <sub>3</sub> ) (MG/L)	SULFATE (SO <sub>4</sub> ) (MG/L)	CHLO-RIDE (CL) (MG/L)
OCT.										
21...	1610	34	17	24	2.9	22	69	0	8.6	38
DEC.										
16...	1610	21	--	--	--	27	74	0	6.6	51
FEB., 1971										
19...	1445	21	15	32	3.4	27	87	0	5.6	54
APR.										
06...	1715	14	17	27	3.6	26	69	0	5.2	54
JUNE										
15...	1645	30	16	35	3.1	16	98	0	6.0	34
AUG.										
19...	1445	8.2	17	21	1.8	20	58	0	6.0	35

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA, MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO
OCT.									
21...	.1	.010	.10	.2	.090	150	72	15	1.1
DEC.									
16...	--	.000	.05	.00	.030	--	80	19	1.3
FEB., 1971									
19...	.1	.000	.05	.00	.050	180	94	23	1.2
APR.									
06...	.0	.000	.02	.00	.060	167	82	25	1.2
JUNE									
15...	.1	.000	.05	.00	.13	158	100	20	.7
AUG.									
19...	.0	.000	.00	.00	.070	130	60	12	1.1

DATE	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT.								
21...	256	6.7	21.5	35	8.8	99	1.4	--
DEC.								
16...	320	6.6	15.5	--	10.9	108	.7	--
FEB., 1971								
19...	338	7.2	22.5	--	10.2	116	3.2	.00
APR.								
06...	316	7.0	20.0	--	10.2	110	1.7	--
JUNE								
15...	295	7.3	32.5	--	8.4	114	2.1	--
AUG.								
19...	225	8.2	31.0	--	6.6	88	2.4	--

TABLE 51.--08068750 CYPRESS CREEK NEAR CYPRESS, TEX.  
(Lat 29°57'23", Long 95°40'41")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO <sub>2</sub> ) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HCO <sub>3</sub> ) (MG/L)	CAR-BONATE (CO <sub>3</sub> ) (MG/L)	DIS-SOLVED SULFATE (SO <sub>4</sub> ) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
DEC. 04...	0930	2.0	10	31	4.7	110	126	0	19	150	.2	.33
FEB., 1971												
19...	1000	.18	13	48	6.3	820	456	0	13	1100	.7	.41
JUNE 17...	0915	.74	12	26	5.1	150	156	0	7.6	200	.4	.63
AUG. 19...	1130	1.4	30	36	5.3	100	165	0	12	130	.3	.47

DATE	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA, MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)
DEC. 04...	.010	.14	.00	.050	391	38	30	97	0	4.9	761	7.2
FEB., 1971												
19...	.020	.15	.2	.15	2230	148	8	150	0	30	3820	8.3
JUNE 17...	.000	.05	.00	.16	481	84	0	86	0	7.0	909	8.8
AUG. 19...	.000	.07	.1	.22	396	52	30	110	0	4.1	690	7.8

DATE	TEMP-ERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)
DEC. 04...	21.0	5	35	8.1	90	16	1.3	0	.00	--	--	--
FEB., 1971												
19...	19.0	110	90	7.4	79	30	4.7	0	.00	70	0	1
JUNE 17...	30.0	140	70	6.0	79	37	.8	7	.00	10	0	0
AUG. 19...	30.0	70	80	4.6	61	49	3.3	1	.00	30	0	1

DATE	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
DEC. 04...	--	--	--	--	--	--	--	--	--	--	--
FEB., 1971											
19...	0	0	7	47	0	180	4	<.5	0	640	10
JUNE 17...	1	0	10	50	0	30	3	<.5	0	200	50
AUG. 19...	0	0	17	130	5	10	4	.8	4	180	80

TABLE 51.--08068750 CYPRESS CREEK NEAR CYPRESS, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
DEC. 04...	0930	2.0	.00	.00	.00	.01	.01	.00	.00	.00
FEB... 1971										
19...	1000	.18	.00	.00	.00	.00	.00	.00	.00	.00
JUNE										
17...	0915	.74	.00	.00	.00	.00	.00	.00	.00	.00
AUG.										
19...	1130	1.4	.00	.00	.00	.00	.01	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOX- APHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
DEC. 04...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00
FEB... 1971										
19...	.00	.0	.0	.00	.00	.00	.00	--	--	--
JUNE										
17...	.00	.0	.0	.00	.00	.00	.00	.00	.02	.01
AUG.										
19...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00

TABLE 52.--08069200 CYPRESS CREEK NEAR HUMBLE, TEX.  
(Lat 30°01'49", long 95°19'47")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
OCT. 21...	0935	60	12	15	2.6	25	73	0	7.4	24	.1	.50
FEB., 1971												
19...	1230	2.2	4.9	36	8.5	92	177	0	32	96	.2	.47
JUNE												
17...	1120	2.9	6.6	25	5.7	52	124	0	16	56	.3	.48
AUG.												
19...	1330	8.3	12	20	3.4	26	78	0	11	26	.2	.38

DATE	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA, MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)
OCT. 21...	.020	.14	.4	.39	120	86	1	48	0	1.6	213	6.8
FEB., 1971												
19...	.050	.06	3.1	2.8	371	19	3	120	0	3.6	713	8.1
JUNE												
17...	.000	.06	.1	.70	223	156	14	86	0	2.4	430	7.7
AUG.												
19...	1.6	.19	.9	.91	146	222	40	64	0	1.4	260	7.3

DATE	TEMP-ERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	DIS-SOLVED ALUM-INIUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)
OCT. 21...	18.5	90	50	7.9	84	29	1.8	0	.01	100	0	0
FEB., 1971												
19...	19.0	15	15	11.0	117	25	5.4	0	.01	0	0	0
JUNE												
17...	30.0	140	45	4.6	61	37	3.9	6	.00	10	0	0
AUG.												
19...	31.0	140	160	3.6	48	31	3.3	1	.00	340	0	2

DATE	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT. 21...	--	0	0	4	29	0	0	16	<.5	5	90	0
FEB., 1971												
19...	0	--	1	4	8	0	20	4	.6	0	200	12
JUNE												
17...	0	--	2	8	60	0	10	14	<.5	0	150	40
AUG.												
19...	0	--	0	230	490	90	0	60	1.0	13	160	730

TABLE 52.--08069200 CYPRESS CREEK NEAR HUMBLE, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
OCT. 21...	0935	60	.00	.00	.00	.00	.00	.00	.00	.00
FEB., 1971 19...	1230	2.2	.00	.00	.00	.00	.01	.00	.00	.00
JUNE 17...	1120	2.9	.00	.00	.00	.00	.01	.00	.00	.00
AUG. 19...	1330	8.3	.00	.00	.00	.00	.02	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOX- APHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
OCT. 21...	.01	.0	.0	.00	.00	.00	.00	.05	.01	.00
FEB., 1971 19...	.04	.0	.0	--	.00	.00	.00	.00	.00	.00
JUNE 17...	.01	.0	.0	.00	.00	.00	.00	.00	.03	.00
AUG. 19...	.00	.0	.0	.02	.00	.00	.00	.00	.03	.00

TABLE 53.--08072000 LAKE HOUSTON NEAR SHELDON, TEX.  
(Lat 29°54'58", long 95°08'28")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)
NOV. 06...	1220	.00	.00	.00	.00	.00	.00	.00	.00	.01
JUNE, 1971 03...	1400	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	CHLOR- DANE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	TOX- APHENE (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
NOV. 06...	.0	.00	.00	.00	.00	.0	.00	.01	.00
JUNE, 1971 03...	.0	.00	.00	.00	.00	.0	.00	.01	.00



TABLE 54.--08072050 SAN JACINTO RIVER NEAR SHELDON, TEX.  
(Lat 29°52'34", long 95°05'37")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
MAY												
05...	1310	--	2.7	160	420	3600	114	0	940	6400	1.8	.36
19...	0920	--	2.6	150	500	2900	110	0	800	5500	2.1	.24
JUNE												
10...	1130	--	.7	140	460	2900	92	0	830	5400	1.1	.26
23...	1315	--	2.7	130	380	2900	90	0	740	5200	1.0	.37
JULY												
14...	0915	--	3.6	130	390	3000	78	0	780	5400	.4	.30
22...	1130	--	3.2	130	360	3300	74	0	830	5800	1.2	.34
AUG.												
05...	0720	--	4.9	110	320	2100	81	0	600	3900	.9	.33
25...	1100	--	4.1	150	490	3100	100	0	820	5800	1.2	.41

DATE	TOTAL NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)
MAY												
05...	.060	1.2	.3	.58	11600	13	2200	2100	34	20100	7.2	25.0
19...	.30	1.3	1.3	.56	9880	--	2400	2400	26	16900	7.0	26.0
JUNE												
10...	.080	.80	.5	.55	9700	--	2300	2200	27	16600	6.9	29.5
23...	.040	.73	.3	.52	9310	6	1900	1800	29	15900	7.1	30.0
JULY												
14...	.030	.39	.00	.38	9680	--	1900	1900	30	16800	7.5	30.5
22...	.020	.56	.00	.68	10400	--	1800	1700	34	18200	6.7	31.0
AUG.												
05...	.020	.71	.1	.61	7090	32	1600	1500	23	11400	7.0	25.0
25...	.050	.77	.00	.88	10400	10	2400	2300	28	18300	7.6	30.5

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PHENOLS (UG/L)	METH-YLENE BLUE ACTIVE SUB-STANCE (MG/L)	OIL AND GREASE (MG/L)
MAY												
05...	30	7	4.3	52	17	3.5	5800	7	1	5	.00	0
19...	30	20	5.3	65	50	3.0	13000	56	40	2	.00	--
JUNE												
10...	20	0	5.4	70	50	2.8	74000	500	98	0	.02	--
23...	40	20	5.6	74	57	2.1	36000	580	280	0	.00	10
JULY												
14...	35	9	6.3	86	42	1.3	26000000	23	20	5	.01	--
22...	30	20	5.6	75	50	2.8	2400	20	4	3	.03	10
AUG.												
05...	60	25	4.2	50	41	1.2	16000000	6000	2300	1	.03	100
25...	45	5	3.4	45	69	.5	44000	29	380	2	.06	--

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
MAY											
05...	0	0	0	3	5	15	0	660	<.5	10	60
19...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
10...	--	--	--	--	--	--	--	--	--	--	--
23...	0	0	0	2	3	0	0	570	<.5	0	50
JULY											
14...	--	--	--	--	--	--	--	--	--	--	--
22...	0	0	0	0	2	10	0	650	.6	7	50
AUG.											
05...	0	0	0	0	5	30	0	380	<.5	3	60
25...	--	--	--	--	--	--	--	--	--	--	--

TABLE 54.--08072050 SAN JACINTO RIVER NEAR SHELDON, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	ALDRIN	DDD	DDE	DDT	DI- ELDRIN	ENDRIN	HEPTA- CHLOR	HEPTA- CHLOR EPOXIDE
		(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
MAY									
05...	1310	.00	.00	.00	.00	.00	.00	.00	.00
JUNE									
23...	1315	.00	.00	.00	.00	.00	.00	.00	.00
JULY									
22...	1130	.00	.00	.00	.00	.00	.00	.00	.00
AUG.									
05...	0720	.00	.00	.00	.00	.01	.00	.00	.00

DATE	LINDANE	CHLOR- DANE	TOXA- PHENE	DI- AZINON	MALA- THION	METHYL PARA- THION	PARA- THION	2,4-D	2,4,5-T	SILVEX
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
MAY										
05...	.06	.0	.0	.00	.00	.00	.00	.00	.00	.00
JUNE										
23...	.01	.0	.0	.00	.00	.00	.00	.00	.03	.01
JULY										
22...	.01	.0	.0	.00	.00	.00	.00	.00	.04	.00
AUG.										
05...	.01	.0	.0	.01	.00	.00	.00	.00	.01	.00

TABLE 55.--08073500 BUFFALO BAYOU NEAR ADDICKS, TEX.  
(Lat 29°45'42", long 95°36'20")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM PLUS POTAS- SIUM (MG/L)	BICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
DEC. 03...	1430	10	15	56	12	72	202	0	38	95
FEB., 1971 09...	0930	50	7.7	19	3.3	29	56	0	20	37
MAY 10...	0700	26	16	50	10	73	192	0	35	90
JULY 21...	1000	186	19	43	12	33	170	0	7.6	56
AUG. 30...	1115	248	19	30	7.1	25	120	0	8.4	36

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED (SUM OF CONSTI- TUENTS) (MG/L)	TOTAL NON- FIL- TABLE RESIDUE (MG/L)
DEC. 03...	2.4	--	.11	.24	.4	1.1	130	392	--
FEB., 1971 09...	.2	--	.11	.56	1.8	.65	90	153	--
MAY 10...	.6	.35	.12	.30	.7	.59	--	372	194
JULY 21...	.4	.32	.030	.11	.3	.28	--	257	--
AUG. 30...	.2	.42	.030	.37	.3	.29	--	187	42

DATE	LOSS ON IGNI- TION (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)	TEMP- ERATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)
DEC. 03...	--	190	24	2.3	718	7.5	24.5	--	--
FEB., 1971 09...	--	61	15	1.6	300	7.5	6.5	--	--
MAY 10...	--	170	10	2.5	688	7.4	24.0	40	100
JULY 21...	--	160	17	1.1	483	7.4	30.0	70	75
AUG. 30...	--	100	6	1.1	340	7.2	28.0	110	40

DATE	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	PHENOLS (UG/L)	METHY- LENE BLUE ACTIVE SUR- STANCE (MG/L)
DEC. 03...	9.8	115	--	3.4	2000	40	--	--	.00
FEB., 1971 09...	12.0	97	38	6.9	42000	1200	--	--	.00
MAY 10...	6.8	80	22	4.0	20000	370	440	0	.01
JULY 21...	7.6	100	18	3.2	220000	4800	2400	--	.00
AUG. 30...	5.5	70	31	2.2	380000	6000	530	1	.00

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDO (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR FPOXIDE (UG/L)
JULY 21...	1000	186	.00	.00	.00	.00	.01	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
JULY 21...	.00	.0	.0	.04	.00	.00	.00	.00	.05	.00

TABLE 56.--08073700 BUFFALO BAYOU AT PINEY POINT, TEX.  
(Lat 29°44'48", long 95°31'24")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)
DEC. 03...	1545	27	21	42	16	97	310	0	32	80	1.1	--
FEB., 1971												
09...	1030	161	11	23	4.3	44	90	0	24	45	.2	--
MAY 10...	0745	34	22	47	15	83	242	0	35	88	.5	.56
JULY 21...	1140	180	18	45	7.2	37	166	0	11	52	.4	.34
AUG. 30...	1145	220	19	28	8.8	17	122	0	8.8	24	.2	.42

DATE	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL FILTRABLE RESIDUE (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)
DEC. 03...	.11	6.4	.00	4.2	280	450	--	170	0	3.2	792	7.0
FEB., 1971												
09...	.18	.40	2.4	1.8	150	208	--	75	1	2.2	381	7.5
MAY 10...	.80	1.9	1.1	2.9	--	419	61	180	0	2.7	792	7.4
JULY 21...	.070	.36	.5	.49	--	255	--	140	6	1.4	464	7.5
AUG. 30...	.18	.60	.1	.35	--	168	24	110	6	.7	336	7.1

DATE	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
DEC. 03...	23.5	--	--	1.7	20	--	8.7	1500000	33000	--	--	.03
FEB., 1971												
09...	9.5	--	--	10.6	93	38	16	32000	3200	--	--	.02
MAY 10...	24.5	30	40	4.1	49	15	23	29000	850	130	0	.02
JULY 21...	29.0	70	100	7.5	96	20	4.5	860000	17000	3900	--	.00
AUG. 30...	27.5	90	25	3.9	49	31	3.0	920000	32000	2800	9	.02

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDO (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTACHLOR (UG/L)	HEPTACHLOR EPOXIDE (UG/L)
JULY 21...	1140	180	.00	.00	.00	.00	.02	.00	.00	.00

DATE	LINDANE (UG/L)	CHLORDANE (UG/L)	TOXAPHENE (UG/L)	DI-AZINON (UG/L)	MALATHION (UG/L)	METHYL PARATHION (UG/L)	PARATHION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
JULY 21...	.00	.0	.0	.12	.00	.00	.00	.00	.07	.00

TABLE 57.--08074000 BUFFALO BAYOU AT HOUSTON, TEX.  
(Lat 29°45'36", long 95°24'30")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM PLUS POTAS- SIUM (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
DEC.										
03...	1645	50	21	54	21	80	300	0	30	89
FEB., 1971										
09...	1145	145	8.3	23	3.8	45	80	0	23	55
MAY										
10...	0900	36	22	51	21	82	274	0	26	100
18...	1030	160	9.7	28	6.8	35	119	0	21	37
24...	1305	580	7.1	28	3.4	26	104	0	14	29
JUNE										
08...	0700	39	10	49	8.1	94	226	0	25	100
21...	0715	250	9.5	25	4.3	24	100	0	12	24
JULY										
14...	1000	145	22	46	8.5	69	214	0	18	70
21...	1315	325	16	42	6.1	51	170	0	13	60
AUG.										
03...	1125	380	13	31	6.0	39	132	0	13	44
03...	1615	400	12	25	9.1	37	130	0	15	40
24...	0730	430	16	25	4.0	20	100	0	7.6	24
SEP.										
10...	1430	6500	5.2	18	1.2	7.8	59	0	7.6	6.5

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)
DEC.									
03...	.4	--	.26	3.4	.7	5.2	240	452	--
FEB., 1971									
09...	.2	--	.12	.72	1.8	1.2	130	207	--
MAY									
10...	.7	.44	.43	2.2	.8	2.2	--	445	19
18...	.4	.01	.24	.80	.7	1.0	--	202	--
24...	.3	.55	.33	1.1	1.8	.41	--	162	--
JUNE									
08...	.4	.20	.16	1.2	1.5	1.5	--	410	--
21...	.2	.44	.020	.34	1.2	.84	--	154	702
JULY									
14...	.4	.24	.30	.46	2.0	1.2	--	349	--
21...	.4	.37	.24	.33	.8	.68	--	277	--
AUG.									
03...	.3	.32	.18	.43	.6	.90	--	215	228
03...	.3	.37	.26	.73	.6	.85	--	207	216
24...	.1	.43	.070	.54	.3	.65	--	148	96
SEP.									
10...	.0	.22	.21	.22	.4	.62	--	78	--

DATE	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)	TEMP- FRATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION
DEC.										
03...	220	0	2.3	808	7.1	22.5	--	--	4.7	53
FEB., 1971										
09...	73	7	2.3	401	7.4	9.5	--	--	9.4	82
MAY										
10...	210	0	2.4	838	6.7	25.0	30	20	3.2	38
18...	98	0	1.5	383	6.7	24.0	50	60	3.8	45
24...	84	0	1.2	275	7.1	24.5	60	240	7.0	83
JUNE										
08...	160	0	3.3	772	7.9	27.0	30	20	3.8	47
21...	80	0	1.2	293	7.9	25.0	70	200	4.2	50
JULY										
14...	150	0	2.5	606	6.9	29.0	45	35	4.2	54
21...	130	0	1.9	478	7.5	31.0	50	95	5.4	72
AUG.										
03...	100	0	1.7	415	6.8	25.5	60	80	4.2	51
03...	100	0	1.6	386	7.1	25.5	60	80	4.3	52
24...	79	0	1.0	274	7.2	28.0	240	35	4.0	51
SEP.										
10...	50	2	.5	131	6.9	25.0	110	150	6.5	77

TABLE 57.--08074000 BUFFALO BAYOU AT HOUSTON, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM PER 100 ML	FECAL COLIFORM PER 100 ML	STREPTOCOCCI (COLONIES PER 100 ML)	PHENOLS (UG/L)	METHYLBLEU ACTIVE SUBSTANCE (MG/L)	OIL AND GREASE (MG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)
DEC. 03...	--	5.4	880000	13000	--	--	.02	--	--	--
FEB., 1971 09...	37	6.6	390000	18000	--	--	.00	--	--	--
MAY 10...	10	7.2	9300	1500	310	5	.02	10	0	0
18...	39	9.0	120000	25000	2200	18	.00	--	--	--
24...	59	11	270000	10000	33000	1	.00	10	0	2
JUNE 08...	33	5.3	73000	3300	370	0	.00	--	--	--
21...	51	6.3	360000	140000	17000	9	.00	--	0	1
JULY 14...	18	3.1	61000	4000	180	7	.00	--	--	--
21...	25	4.5	660000	20000	1500	0	.00	10	0	0
AUG. 03...	35	2.7	560000	42000	8900	1	.10	110	0	0
03...	35	1.8	1100000	74000	19000	7	.05	50	0	0
24...	34	2.4	98000	4500	580	2	.08	--	--	--
SEP. 10...	33	1.2	1200000	5800	30000	14	.00	--	0	0

DATE	DIS-SOLVED CHROMIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
DEC. 03...	--	--	--	--	--	--	--	--	--
FEB., 1971 09...	--	--	--	--	--	--	--	--	--
MAY 10...	4	0	6	120	4	150	.6	10	30
18...	--	--	--	--	--	--	--	--	--
24...	4	0	20	98	13	40	.7	0	40
JUNE 08...	--	--	--	--	--	--	--	--	--
21...	0	0	10	100	3	0	.9	0	30
JULY 14...	--	--	--	--	--	--	--	--	--
21...	0	0	8	40	0	9	7.2	0	40
AUG. 03...	0	0	18	50	6	16	.6	3	20
03...	0	0	7	60	5	20	<.5	4	0
24...	--	--	--	--	--	--	--	--	--
SEP. 10...	0	0	6	80	3	12	<.5	2	20

TABLE 57.--08074000 BUFFALO BAYOU AT HOUSTON, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
MAY										
10...	0900	36	.00	.03	.00	.00	.03	.00	.00	.00
24...	1305	580	.00	.08	.00	.14	.07	.00	.00	.00
JUNE										
21...	0715	250	.00	.03	.00	.12	.00	.00	.00	.00
JULY										
21...	1315	325	.00	.04	.00	.02	.04	.00	.00	.00
AUG.										
03...	1125	380	.00	.00	.33	1.7	.54	.00	.00	.00
03...	1615	400	.00	.00	.00	.14	.07	.00	.00	.00
SEP.										
10...	1430	6500	.00	.00	.02	.35	.14	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2+4-D (UG/L)	2+4+5-T (UG/L)	SILVEX (UG/L)
MAY										
10...	.03	.1	.0	.38	.00	.00	.00	.31	.08	.02
24...	.00	.6	.0	.15	2.9	.00	.00	.00	.10	.00
JUNE										
21...	.08	.4	.0	.00	.00	.00	.00	.00	.63	.00
JULY										
21...	.00	.1	.0	.15	.60	.00	.00	.00	.13	.00
AUG.										
03...	.00	2.1	.0	.12	.00	.00	.00	.05	.13	.00
03...	.00	.4	.0	.15	.00	.00	.00	--	--	--
SEP.										
10...	.00	.7	.0	.11	.00	.00	.00	.00	.10	.00

TABLE 58. 08074250 BRICKHOUSE GULLY AT COSTA RICA STREET, HOUSTON, TEX.  
(Lat 29°49'40", Long 95°28'09")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE- SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS- SIUM (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)
DEC.												
01...	1400	1.0	15	71	15	82	336	0	35	73	.5	--
30...	1300	12	7.3	38	6.1	46	183	0	17	37	.3	--
FEB., 1971												
11...	0900	1.4	13	50	12	79	304	0	19	55	.4	--
AUG.												
03...	1000	53	6.9	21	3.5	12	70	0	13	15	.2	.32
30...	1235	1.0	14	69	21	100	152	43	47	170	.4	1.4

DATE	NITRITE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED (SUM OF CONSTI- TUENTS) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)
DEC.												
01...	.010	.20	.00	.50	310	457	--	240	0	2.3	796	8.6
30...	.040	.53	.4	.59	--	244	--	120	0	1.8	468	6.9
FEB., 1971												
11...	.010	.43	.00	1.2	150	378	--	170	0	2.6	703	7.3
AUG.												
03...	.060	.26	.4	.72	--	108	216	67	10	.6	189	7.4
30...	.000	.00	.1	.60	--	547	18	260	64	2.7	958	9.4

DATE	TEMP- ERATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	PHENOLS (UG/L)	METHY- LENE BLUE ACTIVE SUR- STANCE (MG/L)
DEC.												
01...	26.5	--	--	11.0	134	--	6.9	53000	3700	--	--	.02
30...	15.5	--	--	7.8	153	--	23	740000	40000	--	--	--
FEB., 1971												
11...	12.0	--	--	8.8	81	24	14	2400000	64000	--	--	.05
AUG.												
03...	24.0	200	95	7.1	84	36	2.5	1400000	23000	120000	3	.10
30...	33.5	45	20	>20.0	>278	36	4.0	400000	6100	3500	11	1.2

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDF (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
AUG.										
03...	1000	53	.00	.02	.00	.09	.06	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
AUG.										
03...	.00	.2	.0	.00	.00	.00	.00	.00	.50	.00



TABLE 59.--08074500 WHITEOAK BAYOU AT HOUSTON, TEX.  
(Lat 29°46'30", long 95°23'49")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)
DEC.											
01...	1500	14	24	77	29	130	424	0	42	150	2.1
30...	1350	180	3.0	34	4.2	28	116	0	32	27	.4
FEB., 1971											
11...	1000	7.0	20	72	21	120	362	0	41	130	.4
MAY											
10...	1200	7.0	25	74	25	110	324	0	58	150	.6
18...	1050	7.0	25	73	20	97	332	0	40	120	.5
JUNE											
08...	0745	11	16	74	13	110	316	0	48	130	.3
21...	0820	20	16	48	10	72	220	0	29	77	.3
JULY											
14...	1100	7.0	24	58	20	99	304	0	38	120	.4
21...	1425	38	13	44	11	51	170	0	26	72	.4
AUG.											
03...	1050	470	7.0	26	1.7	17	83	0	12	20	.2
03...	1530	350	7.9	25	5.3	20	89	0	14	26	.3
24...	0840	23	16	59	19	74	272	0	38	100	.2
SEP.											
10...	1340	5200	4.9	17	2.6	6.6	57	0	9.2	7.5	.1

DATE	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO
DEC.											
01...	--	.77	2.2	.7	4.2	280	673	--	310	0	3.2
30...	--	.080	2.0	.8	1.9	--	192	--	100	7	1.2
FEB., 1971											
11...	--	.28	2.0	2.7	3.4	330	598	--	260	0	3.2
MAY											
10...	.37	.48	4.9	1.2	2.4	--	622	16	290	22	2.8
18...	.25	.47	4.7	.9	5.2	--	552	--	260	0	2.6
JUNE											
08...	.32	.57	4.7	.4	7.2	--	554	--	240	0	3.1
21...	.45	.030	1.7	1.3	3.7	--	368	678	160	0	2.5
JULY											
14...	.55	.28	7.1	.7	7.5	--	526	--	220	0	2.9
21...	.47	.090	1.6	.4	2.4	--	305	--	150	14	1.8
AUG.											
03...	.54	.040	.56	.6	.85	--	128	1250	72	4	.9
03...	.58	.080	.36	.8	.80	--	147	876	84	11	.9
24...	.18	.030	6.0	.7	3.8	--	452	34	230	3	2.1
SEP.											
10...	.30	.000	.29	.4	.57	--	78	--	53	6	.4

DATE	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)
DEC.										
01...	1160	7.9	25.0	--	--	11.0	131	--	32	770000
30...	373	6.9	16.0	--	--	8.6	160	--	60	1200000
FEB., 1971										
11...	1050	7.3	14.0	--	--	9.6	92	24	3.6	100
MAY										
10...	1080	7.4	27.0	20	15	9.5	117	9	8.4	25000
18...	1020	7.4	24.0	20	4	9.7	114	27	6.3	360000
JUNE										
08...	1040	7.7	25.0	30	15	5.1	61	35	10	380000
21...	687	8.5	25.5	70	200	6.3	76	57	7.5	420000
JULY										
14...	991	7.3	30.0	40	10	11.5	151	34	12	1700000
21...	582	7.3	34.0	80	250	8.0	111	34	12	140000
AUG.										
03...	231	6.6	24.5	160	350	7.2	86	51	3.9	2000000
03...	266	7.1	25.0	140	270	7.0	83	49	2.5	1500000
24...	826	7.6	26.5	50	15	6.7	82	20	.3	500
SEP.										
10...	127	6.9	25.5	160	310	7.2	87	36	1.8	31000

TABLE 59.--08074500 WHITEOAK BAYOU AT HOUSTON, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	PHENOLS (UG/L)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)	OIL AND GREASE (MG/L)	DIS- SOLVED ALUM- INUM (AL) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)
DEC.										
01...	20000	--	--	.01	--	--	--	--	--	--
30...	110000	--	--	--	--	200	8	0	0	--
FEB., 1971										
11...	100	--	--	.02	--	--	--	--	--	--
MAY										
10...	270	250	0	.02	10	--	70	0	0	--
18...	6800	3400	3	.01	--	--	--	--	--	--
JUNE										
08...	5300	630	0	.02	--	--	--	--	--	--
21...	11000	2500	6	.00	60	--	10	0	0	--
JULY										
14...	29000	3100	7	.03	--	--	--	--	--	--
21...	29000	530	1	.00	20	--	30	0	0	--
AUG.										
03...	28000	110000	3	.00	20	--	10	0	0	--
03...	68000	31000	7	.00	50	--	10	0	0	--
24...	1	9	2	.21	--	--	--	--	--	--
SEP.										
10...	6500	2900	0	.00	40	--	10	0	9	0

DATE	DIS- SOLVED COBALT (CO) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED LITHIUM (LI) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	DIS- SOLVED STRON- TIUM (SR) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
DEC.										
01...	--	--	--	--	--	--	--	--	--	--
30...	1	4	78	2	0	31	.6	10	120	390
FEB., 1971										
11...	--	--	--	--	--	--	--	--	--	--
MAY										
10...	0	7	180	0	--	170	1.4	30	--	50
18...	--	--	--	--	--	--	--	--	--	--
JUNE										
08...	--	--	--	--	--	--	--	--	--	--
21...	0	8	30	0	--	80	<.5	0	--	50
JULY										
14...	--	--	--	--	--	--	--	--	--	--
21...	0	6	20	0	--	13	<.5	2	--	30
AUG.										
03...	0	17	50	0	--	1	<.5	2	--	20
03...	0	7	140	3	--	30	<.5	0	--	0
24...	--	--	--	--	--	--	--	--	--	--
SEP.										
10...	0	7	140	0	--	2	<.5	2	--	0

TABLE 59.--08074500 WHITEOAK BAYOU AT HOUSTON, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
DEC. 30...										
MAY 1971 10...	1350	180	.00	.18	.03	.14	.07	.00	.00	.00
JUNE 21...	1200	7.0	.00	.00	.00	.00	.02	.00	.00	.00
JULY 21...	0820	20	.00	.02	.00	.03	.00	.00	.00	.00
AUG. 03...	1425	38	.00	.01	.00	.00	.04	.00	.00	.00
03...	1050	470	.00	.02	.00	.02	.06	.00	.00	.00
03...	1530	350	.00	.00	.00	.01	.03	.00	.00	.00
SEP. 10...	1340	5200	.00	.00	.00	.02	.07	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	ETHION (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
DEC. 30...											
MAY 1971 10...	.00	.4	.0	.00	3.8	.00	.00	.00	.00	.02	.00
JUNE 21...	.00	.0	.0	.18	.00	.06	.00	.00	.00	.02	.02
JULY 21...	.00	.2	.0	.00	.00	.00	.00	.00	.00	.26	.00
AUG. 03...	.15	.0	.0	.62	.00	.00	.00	.00	.53	.22	.00
03...	.18	.1	.0	.56	.00	1.8	.00	.00	.75	.30	.00
03...	.03	.1	.0	.10	.00	.00	.00	.00	.09	.21	.00
SEP. 10...	.00	.2	.0	.00	.00	.00	.00	.00	.19	.18	.00

TABLE 60.--08074550 LITTLE WHITEOAK BAYOU AT HOUSTON, TEX.  
(Lat 29°47'05", long 95°21'56")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)
MAY												
11...	0900	4.4	27	45	23	140	458	0	23	110	1.0	.90
18...	1145	5.2	24	48	18	170	426	0	48	100	.9	.72
JUNE												
10...	0700	3.2	15	51	14	160	420	0	28	130	.8	.49
23...	0800	4.2	15	38	10	77	250	0	23	64	.4	.50
JULY												
14...	1200	2.3	8.3	27	5.3	41	127	0	15	45	.3	.47
21...	1420	6.4	12	38	7.1	69	224	0	21	56	.4	.44
AUG.												
03...	1005	135	4.8	28	3.0	11	94	0	11	13	.2	.36
24...	0925	5.1	8.8	18	3.7	72	126	39	16	25	.2	.46
SEP.												
10...	0945	2600	5.7	22	2.2	12	94	0	8.0	4.0	.0	.34

DATE	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
MAY												
11...	.030	13	.1	6.1	612	27	210	0	4.2	1110	7.4	24.5
18...	.28	1.1	3.3	.000	636	--	200	0	5.3	972	6.9	26.5
JUNE												
10...	.12	6.4	.00	4.1	622	--	180	0	5.1	1120	7.5	27.0
23...	.010	4.7	.00	3.0	357	32	140	0	2.9	661	7.6	27.0
JULY												
14...	.030	1.9	.1	1.0	207	--	89	0	1.9	381	6.9	29.0
21...	.010	3.6	.1	2.9	319	--	120	0	2.7	590	7.0	30.0
AUG.												
03...	.070	.63	.3	.48	119	440	82	5	.5	241	6.5	25.0
24...	.060	1.7	.5	.62	250	100	60	0	4.0	452	9.9	28.5
SEP.												
10...	.010	.29	.3	.62	102	--	64	6	.7	172	7.7	24.0

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	OIL AND GREASE (MG/L)
MAY												
11...	50	10	.4	5	91	53	11000000	1400000	340000	10	.08	10
18...	40	7	.8	10	54	2.4	15000000	5000000	130000	5	.01	--
JUNE												
10...	30	25	.6	7	58	24	7200000	400000	48000	1	.20	--
23...	70	40	.2	2	76	16	11000000	1300000	200000	8	.25	10
JULY												
14...	90	70	1.3	17	58	26	23000000	990000	40000	2	.08	--
21...	60	110	.1	1	66	23	18000000	1000000	64000	2	.18	10
AUG.												
03...	90	150	5.6	67	70	4.5	3200000	71000	100000	3	.08	20
24...	100	65	3.1	40	54	8.1	870000	2100	98000	6	.81	--
SEP.												
10...	130	190	7.7	91	40	2.5	120000	6000	23000	12	.11	10

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
MAY											
11...	0	0	30	0	8	140	0	490	<.5	130	130
18...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
10...	--	--	--	--	--	--	--	--	--	--	--
23...	10	1	0	0	18	60	15	180	<.5	0	160
JULY											
14...	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
03...	10	0	2	0	12	60	6	40	<.5	2	20
24...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
10...	10	0	0	0	5	30	3	15	<.5	2	0

TABLE 60.--08074550 LITTLE WHITEOAK BAYOU AT HOUSTON, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
MAY 11...	0900	4.4	.00	.03	.00	.00	.23	.00	.00	.00
JUNE 23...	0800	4.2	.00	.03	.00	.00	.05	.00	.00	.00
JULY 21...	1420	6.4	.00	.03	.00	.00	.02	.00	.00	.00
AUG. 03...	1005	135	.00	.00	.00	.04	.05	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY 11...	.02	.2	.0	--	--	--	--	.00	.00	.00
JUNE 23...	.14	.2	.0	.21	.35	.00	.00	.00	.10	.00
JULY 21...	.00	.1	.0	--	3.8	.00	.00	.00	.18	.00
AUG. 03...	.00	.3	.0	.03	.00	.00	.00	.09	.09	.00

TABLE 61.--08074700 BUFFALO BAYOU AT 69TH STREET, HOUSTON, TEX.  
(Lat 29°45'15", long 95°17'51")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	SODIUM PLUS PO- TAS- SIUM (NA+K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	NITRITE (N) (MG/L)
MAY												
10...	0750	19	120	240	2000	366	0	490	3400	1.9	.59	.000
18...	1230	14	89	180	1400	240	0	380	2500	1.3	.38	.060
JUNE												
09...	0815	9.7	100	190	1400	304	0	410	2500	.9	.60	.020
22...	0820	12	65	110	870	210	0	240	1500	.6	.48	.010
JULY												
14...	1350	16	120	280	1900	250	0	560	3500	.7	.56	.020
22...	0930	16	80	130	1100	224	0	180	2000	.8	.53	.010
AUG.												
03...	1550	16	37	19	490	171	0	86	720	.4	.49	.50
24...	1200	14	60	110	830	160	0	210	1500	.4	.38	.12
SEP.												
10...	1130	6.5	22	4.2	20	89	0	16	26	.2	1.4	.010

DATE	AMMONIA NITRO- GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)	TEMP- ERATURE (DEG C)
MAY											
10...	12	.00	4.4	6400	15	1300	980	24	10400	7.1	25.5
18...	.05	.2	.020	4700	--	980	780	20	8020	6.7	26.0
JUNE											
09...	21	.00	5.8	4840	--	1000	790	19	8630	6.9	28.0
22...	8.0	.00	2.6	2910	84	620	450	15	5610	6.8	28.0
JULY											
14...	6.8	.00	2.4	6510	--	1400	1200	22	10500	6.6	31.0
22...	4.6	.00	2.7	3560	--	750	570	17	6190	7.0	29.0
AUG.											
03...	3.8	.00	1.8	1450	48	170	29	16	2640	7.0	27.0
24...	6.2	.1	1.4	2770	24	580	450	15	5060	7.3	29.0
SEP.											
10...	3.5	.5	3.0	146	--	72	0	1.0	242	6.5	25.0

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	PHENOLS (UG/L)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)	OIL AND GREASE (MG/L)
MAY												
10...	40	10	.7	8	52	18	11000000	6100	2200	18	.08	70
18...	50	15	.2	2	44	4.1	4500000	430000	27000	0	.01	--
JUNE												
09...	60	40	.2	3	86	6.6	2400000	600000	7000	6	.05	--
22...	60	45	.2	3	51	6.6	1200000	500000	7900	5	.03	10
JULY												
14...	65	35	.2	3	66	10	1900000	30000	8100	3	.05	--
22...	50	35	.9	12	35	7.2	3900000	7000	2100	8	.11	20
AUG.												
03...	50	30	.8	10	39	1.5	3200000	800000	32000	7	.00	0
24...	120	15	.6	8	34	4.1	3600000	380000	27000	9	.11	--
SEP.												
10...	110	260	4.7	56	190	13	3100000	6300	95000	23	.00	60

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY											
10...	0	0	6	0	3	170	1	190	.5	20	30
18...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
09...	--	--	--	--	--	--	--	--	--	--	--
22...	0	0	2	0	2	70	0	180	.8	0	30
JULY											
14...	--	--	--	--	--	--	--	--	--	--	--
22...	10	0	2	0	3	160	0	140	<.5	9	20
AUG.											
03...	0	0	2	0	4	60	3	110	<.5	8	30
SEP.											
10...	0	0	0	0	5	80	0	60	<.5	8	10

TABLE 61.--08074700 BUFFALO BAYOU AT 69TH STREET, HOUSTON, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
MAY									
10...	0750	.00	.01	.00	.00	.04	.00	.00	.00
JUNE									
22...	0820	.00	.00	.00	.00	.01	.00	.00	.00
JULY									
22...	0930	.00	.00	.00	.00	.03	.00	.00	.00
AUG.									
03...	1550	.00	.00	.00	.00	.05	.00	.00	.00
SEP.									
10...	1130	.00	.00	.04	.00	.21	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY										
10...	.03	.1	.0	.41	.00	.00	.00	.15	.06	.00
JUNE										
22...	.00	.0	.0	.29	.41	.00	.00	.00	.33	.00
JULY										
22...	.00	.1	.0	.26	1.4	.00	.00	.00	.11	.00
AUG.										
03...	.02	.2	.0	.13	.00	.00	.00	.15	.12	.00
SEP.										
10...	.00	1.1	.0	.00	.00	.00	.00	.00	.11	.00

TABLE 62.--08074780 KEEGANS BAYOU AT KEEGAN ROAD, NEAR HOUSTON, TEX.  
(Lat 29°39'55", Long 95°35'42")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
DEC. 02...	0830	.79	21	78	24	40	364	0	46	24	.3	--
FEB., 1971												
12...	0920	6.5	15	76	19	44	348	0	27	36	.0	--
MAR. 18...	1800	6.5	15	64	20	43	304	0	27	40	.2	.20
AUG. 06...	1345	2.5	8.7	18	5.6	7.7	65	0	9.6	15	.0	.09

DATE	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH
DEC. 02...	.000	.20	.00	.10	80	413	--	290	0	1.0	706	7.2
FEB., 1971												
12...	.000	.10	.00	.000	70	388	--	270	0	1.2	689	7.8
MAR. 18...	.020	.00	.1	.14	70	359	--	240	0	1.2	624	7.1
AUG. 06...	.020	.13	.2	.15	--	98	92	68	15	.4	182	6.6

DATE	TEMP-ERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC. 02...	20.5	--	--	1.9	21	--	3.3	15000	220	--	--	.00
FEB., 1971												
12...	13.0	--	--	8.0	75	13	2.8	8300	250	--	--	.00
MAR. 18...	19.5	--	--	6.9	74	14	3.3	400000	1200	--	--	.00
AUG. 06...	25.0	120	50	5.8	69	36	.7	130000	4000	590	10	.01

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)
AUG. 06...	1345	2.5	.00	.00	.00	.01	.00	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR-DANE (UG/L)	TOXA-PHENE (UG/L)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
AUG. 06...	.00	.0	.0	.00	.00	.00	.00	.00	.06	.00



TABLE 63.--08074800 KEEGANS BAYOU AT ROARK ROAD, NEAR HOUSTON, TEX.  
(Lat 29°39'23", long 95°33'43")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
DEC.												
02...	0915	1.8	23	73	28	51	380	0	18	55	.4	--
FEB., 1971												
12...	1000	1.8	14	70	16	48	314	0	27	41	.3	--
MAR.												
18...	1730	12	10	38	9.5	29	156	0	34	24	.2	1.1
MAY												
10...	1240	.72	25	100	28	72	394	0	98	68	.5	.72
24...	1320	50	6.6	18	4.2	17	75	0	20	12	.6	.00
JULY												
21...	1220	6.3	12	50	12	43	200	0	48	40	.4	.28
AUG.												
03...	1315	5.0	17	30	7.1	22	111	0	34	22	.3	.30
06...	1410	50	8.1	20	2.9	13	76	0	15	8.5	.2	.38
30...	1000	3.5	13	40	11	39	186	0	30	34	.4	.37

DATE	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)
DEC.												
02...	.010	.18	.2	16	90	437	--	300	0	1.3	770	7.5
FEB., 1971												
12...	.10	.69	.9	1.4	120	376	--	240	0	1.3	669	7.8
MAR.												
18...	.11	1.2	.7	1.0	60	227	--	130	6	1.1	404	7.2
MAY												
10...	.50	.75	.4	2.9	--	591	50	370	45	1.6	1000	7.1
24...	.020	1.0	.3	1.5	--	118	--	62	1	.9	208	7.0
JULY												
21...	.060	.85	.2	.70	--	306	--	180	12	1.4	546	7.3
AUG.												
03...	.19	2.1	.4	1.0	--	193	300	100	13	.9	314	7.2
06...	.010	.38	.5	.35	--	107	836	62	0	.7	170	7.6
30...	.44	2.0	.8	1.3	--	266	172	140	0	1.4	479	7.4

DATE	TEMP-ERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC.												
02...	21.0	--	--	7.3	81	--	3.3	70000	330	--	--	.00
FEB., 1971												
12...	13.0	--	--	9.6	91	13	4.2	13000	84	--	--	.00
MAR.												
18...	21.5	--	--	7.2	81	45	11	150000	3100	--	--	.00
MAY												
10...	25.5	60	25	4.8	58	29	12	--	--	--	0	.00
24...	23.5	70	300	7.0	81	77	3.5	640000	16000	58000	8	.00
JULY												
21...	28.0	50	40	4.3	54	16	5.9	3900	1400	800	--	.00
AUG.												
03...	25.0	160	150	5.4	64	33	3.6	7700	290	1000	4	.11
06...	25.0	80	340	6.8	81	34	.6	--	--	--	6	.00
30...	25.5	50	100	3.9	47	20	2.4	74000	3100	620	2	.10

TABLE 63.--08074800 KEEGANS BAYOU AT ROARK ROAD, NEAR HOUSTON, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)
MAR.										
18...	1730	12	.00	.00	.00	.03	.02	.00	.00	.00
MAY										
10...	1240	.72	--	--	--	--	--	--	--	--
24...	1320	50	.00	.00	.00	.11	.06	.00	.00	.00
JULY										
21...	1220	6.3	.00	.00	.00	.00	.02	.00	.00	.00
AUG.										
03...	1315	5.0	.00	.00	.00	.01	.03	.00	.00	.00
06...	1410	50	.00	.00	.00	.01	.04	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR-DANE (UG/L)	TOXA-PHERE (UG/L)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAR.										
18...	.01	.1	.0	.13	.00	.00	.00	.00	.00	.00
MAY										
10...	--	--	--	.32	.00	.00	.00	.00	.00	.00
24...	.06	.3	.0	.00	.00	.00	.00	.00	.29	.00
JULY										
21...	.00	.1	.0	.21	.10	.00	.00	.00	.05	.00
AUG.										
03...	.06	.2	.0	.00	.00	.00	.00	.29	.07	.07
06...	.00	.5	.0	.06	.00	.00	.00	.07	.35	.03

TABLE 64.--08074900 WILLOW WATERHOLE BAYOU AT LANDSDOWNE STREET, HOUSTON, TEX.  
(Lat 29°39'01", long 95°29'11")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HC03) (MG/L)	CARBONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)
DEC. 02...	1030	4.0	23	35	14	81	276	0	28	51	.5	--
FEB. 12... 1971	1050	2.6	19	44	12	100	336	0	38	66	.4	--
MAR. 18...	1640	17	12	33	16	40	188	0	34	47	.2	.44
AUG. 06...	1445	19	9.9	32	4.4	28	122	0	27	22	.2	.01

DATE	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)
DEC. 02...	.17	2.3	.2	5.5	160	373	--	140	0	2.9	670	7.6
FEB. 12... 1971	.19	8.7	.3	5.1	320	459	--	160	0	3.4	827	7.8
MAR. 18...	.10	6.5	.7	1.5	140	286	--	150	0	1.4	551	7.0
AUG. 06...	.050	.77	.5	1.2	--	187	162	98	0	1.2	329	6.8

DATE	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
DEC. 02...	22.5	--	--	4.9	56	--	11	510000	40000	--	--	.00
FEB. 12... 1971	15.5	--	--	8.0	79	27	19	450000	4200	--	--	.04
MAR. 18...	21.0	--	--	5.0	56	35	13	330000	7700	--	--	.00
AUG. 06...	27.0	240	85	2.8	35	44	1.6	1600000	10000	9300	16	.00

TABLE 64.--08074900 WILLOW WATERHOLE BAYOU AT LANDSDOWNE STREET, HOUSTON, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELORIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
MAR. 18...	1640	17	.00	.04	.02	.11	.04	.00	.00	.00
AUG. 06...	1445	19	.00	.00	.00	.08	.12	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAR. 18...	.05	.1	.0	.12	.00	.00	.00	.31	.08	.04
AUG. 06...	.00	.3	.0	.04	.00	.00	.00	.13	.94	.00

TABLE 65.--08075000 BRAYS BAYOU AT HOUSTON, TEX.  
(Lat 29°41'49", long 95°24'43")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)
DEC.											
02...	1115	43	24	33	23	110	368	0	37	67	.7
FEB., 1971											
12...	1135	37	22	38	11	110	320	0	34	69	.6
MAR.											
18...	1520	750	4.5	22	2.7	31	108	0	13	19	.1
18...	1925	625	7.0	21	5.0	32	112	0	22	22	.2
19...	0900	112	12	35	7.5	45	146	0	38	38	.2
MAY											
10...	1130	32	40	51	27	530	408	0	38	760	.3
24...	1015	380	6.9	26	2.2	29	117	0	15	20	.3
JULY											
21...	1030	155	14	31	6.0	49	150	0	25	43	.4
AUG.											
03...	1150	235	12	26	4.7	37	126	0	19	32	.2
06...	1300	710	8.9	26	5.1	17	97	0	18	17	.0
30...	1115	80	16	36	11	68	228	0	34	52	.4

DATE	ORGANIC NITROGEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
DEC.										
02...	--	.81	7.0	.4	8.5	320	490	--	180	0
FEB., 1971										
12...	--	1.2	7.0	.9	4.3	340	459	--	140	0
MAR.										
18...	.56	.11	1.2	2.0	1.6	70	156	--	66	0
18...	.62	.10	2.4	1.2	2.3	130	173	--	73	0
19...	.60	.17	1.0	1.5	1.2	150	256	--	120	0
MAY										
10...	1.1	.000	18	.00	13	--	1670	25	240	0
24...	.66	.12	1.8	.4	1.7	--	162	--	74	0
JULY										
21...	.39	.10	1.2	.6	3.3	--	247	--	100	0
AUG.										
03...	.33	.16	1.5	.3	1.4	--	197	68	84	0
06...	.33	.030	.60	.5	.62	--	143	330	86	6
30...	.73	.40	5.2	.7	2.2	--	341	48	140	0

DATE	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)
DEC.										
02...	3.6	856	7.5	24.5	--	--	6.8	80	--	25
FEB., 1971										
12...	4.0	821	7.6	21.0	--	--	11.4	127	34	14
MAR.										
18...	1.7	271	7.2	21.5	--	--	7.7	87	130	31
18...	1.6	313	7.0	20.0	--	--	7.3	79	72	20
19...	1.8	468	6.9	16.0	--	--	6.1	61	40	11
MAY										
10...	15	3120	7.6	27.0	80	7	10.8	133	80	21
24...	1.5	266	6.8	22.5	40	45	8.4	95	110	2.9
JULY										
21...	2.1	475	7.2	28.5	70	55	6.7	86	27	2.8
AUG.										
03...	1.8	368	7.3	26.0	50	30	6.4	78	44	2.4
06...	.8	239	7.2	25.0	70	100	6.8	81	53	2.0
30...	2.5	633	7.2	29.0	50	55	7.3	94	40	9.3

TABLE 65.--08075000 BRAYS BAYOU AT HOUSTON, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	PHENOLS (UG/L)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)	OIL AND GREASE (MG/L)	DIS- SOLVED ALUM- INUM (AL) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)
DEC.										
02...	22000	270	--	--	.00	--	--	--	--	--
FEB., 1971										
12...	170	100	--	--	.05	--	--	--	--	--
MAR.										
18...	700000	54000	--	--	.00	--	--	--	--	--
18...	780000	50000	--	--	.00	--	40	0	0	0
19...	20000	250	--	--	.00	--	--	--	--	--
MAY										
10...	--	--	--	0	.05	--	--	--	--	--
24...	180000	20000	22000	4	.00	10	--	--	--	--
JULY										
21...	2100	1100	1	--	.00	10	--	10	1	0
AUG.										
03...	71000	600	76	4	.00	--	--	--	--	--
06...	--	--	--	10	.01	--	--	--	--	--
30...	--	--	--	16	.42	--	--	--	--	--

DATE	DIS- SOLVED COBALT (CO) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED LITHIUM (LI) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	DIS- SOLVED STRON- TIUM (SR) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
DEC.										
02...	--	--	--	--	--	--	--	--	--	--
FEB., 1971										
12...	--	--	--	--	--	--	--	--	--	--
MAR.										
18...	--	--	--	--	--	--	--	--	--	--
18...	0	15	44	8	10	40	2.2	0	110	46
19...	--	--	--	--	--	--	--	--	--	--
MAY										
10...	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--
JULY										
21...	0	13	30	6	--	11	7.6	5	--	50
AUG.										
03...	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--

TABLE 65.--08075000 BRAYS BAYOU AT HOUSTON, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
MAR.										
18...	1520	750	.00	.00	.00	1.0	.43	.00	.00	.00
19...	0900	112	.00	.00	.00	.04	.05	.00	.00	.00
MAY										
10...	1130	32	--	--	--	--	--	--	--	--
24...	1015	380	.00	.06	.00	.25	.11	.00	.00	.00
JULY										
21...	1030	155	.00	.00	.00	.00	.04	.00	.00	.00
AUG.										
03...	1150	235	.00	.02	.00	.07	.00	.00	.00	.00
06...	1300	710	.00	.00	.00	.22	.11	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAR.										
18...	.00	15	.0	.26	.00	.00	.00	.34	.17	.07
19...	.05	.4	.0	.34	.00	.00	.00	.24	.35	.13
MAY										
10...	--	--	--	.53	.01	.00	.00	.00	.07	.00
24...	.04	.8	.0	.49	1.3	.00	.00	.00	.22	.00
JULY										
21...	.00	.1	.0	.68	.16	.00	.00	.00	.48	.03
AUG.										
03...	.00	.3	.0	.00	.00	.00	.00	.27	.39	.00
06...	.00	1.0	.0	.30	.00	.00	.00	.00	.37	.00

TABLE 66.--08075100 BRAYS BAYOU AT SCOTT STREET, AT HOUSTON, TEX.  
(Lat 29°42'35", Long 95°21'23")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE- SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS- SIUM (MG/L)	BICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLO- RIDE (CL) (MG/L)	DIS-SOLVED FLUO- RIDE (F) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)
MAY												
10...	1010	36	26	46	19	770	308	0	40	1100	.7	.43
18...	0910	36	25	45	11	250	286	0	45	300	1.0	.00
24...	1140	1070	7.1	30	6.1	160	130	0	13	240	.2	.67
JUNE												
08...	0900	33	18	60	12	1900	310	0	37	2900	.6	.44
22...	0945	40	22	70	13	3600	268	0	75	5600	.5	.30
JULY												
15...	0745	44	24	32	9.2	120	280	0	31	82	.8	.24
21...	0915	245	9.8	30	4.6	250	132	0	23	360	.4	.30
AUG.												
03...	0845	622	6.5	24	2.2	430	90	0	19	650	.2	.28
24...	1315	115	16	51	13	710	244	0	45	1100	.5	.57
SEP.												
10...	1245	8510	5.9	20	2.2	11	68	0	11	8.5	.2	.75

DATE	NITRITE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPECI- FIC CONO- UCTANCE (MICRO- MHOS)	PH (UNITS)	TEMP- ERATURE (DEG C)
MAY												
10...	.90	3.8	.4	4.6	2180	1	190	0	24	3910	7.1	26.0
18...	.28	5.0	.2	5.6	828	--	160	0	8.7	1600	7.5	25.5
24...	.18	2.1	1.8	2.4	528	--	100	0	7.0	1060	6.9	23.0
JUNE												
08...	.22	5.8	.1	2.8	5110	--	200	0	59	9140	7.7	27.0
22...	.61	4.8	.2	5.7	9500	16	230	10	104	16700	7.5	28.0
JULY												
15...	.30	3.4	.4	4.2	440	--	120	0	4.8	883	7.2	28.0
21...	.10	1.0	.6	1.9	753	--	94	0	11	1390	7.3	27.5
AUG.												
03...	.060	.71	.3	1.2	1180	132	69	0	23	2040	7.3	25.0
24...	.48	5.8	.7	2.9	2030	38	180	0	23	3680	8.0	31.0
SEP.												
10...	.020	.27	.6	.62	95	--	59	2	.6	149	6.4	20.0

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	PHENOLS (UG/L)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)	OIL AND GREASE (MG/L)
MAY												
10...	30	7	7.2	88	12	8.4	100000	5900	12000	0	.01	60
18...	20	9	8.4	101	37	7.5	3200000	44000	2700	8	.03	--
24...	30	30	7.2	83	140	5.9	380000	13000	140000	8	.00	10
JUNE												
08...	40	15	5.7	70	66	4.2	220000	6300	310	0	.02	--
22...	50	20	6.8	86	42	3.1	600000	11000	920	1	.01	20
JULY												
15...	20	10	4.2	53	18	7.0	3600000	18000	480	4	.00	--
21...	80	85	6.1	76	30	6.3	2600000	25000	1200	2	.00	10
AUG.												
03...	50	50	6.6	79	58	4.5	540000	14000	22000	11	.15	80
24...	55	20	6.7	89	32	12	2700000	19000	65000	16	.36	--
SEP.												
10...	140	120	8.0	87	32	1.6	1600000	8300	120000	11	.00	30



TABLE 66.--08075100 BRAYS BAYOU AT SCOTT STREET, AT HOUSTON, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
MAY											
10...	10	0	34	0	10	38	3	80	<.5	0	30
18...	--	--	--	--	--	--	--	--	--	--	--
24...	10	0	4	0	13	71	22	60	<.5	0	90
JUNE											
08...	--	--	--	--	--	--	--	--	--	--	--
22...	0	0	25	0	12	40	4	60	<.5	0	50
JULY											
15...	--	--	--	--	--	--	--	--	--	--	--
21...	10	0	10	1	7	30	6	6	.9	4	30
AUG.											
03...	0	0	7	0	8	50	16	20	<.5	1	40
24...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
10...	10	0	0	0	14	240	4	3	.5	3	40

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)
MAY										
10...	1010	36	.00	.00	.00	.00	.04	.00	.00	.00
24...	1140	1070	.00	.11	.00	.30	.15	.00	.00	.00
JUNE										
22...	0945	40	.00	.00	.00	.00	.00	.00	.00	.00
JULY										
21...	0915	245	.00	.00	.00	.04	.04	.00	.00	.00
AUG.										
03...	0845	622	.00	.00	.00	.04	.02	.00	.00	.00
SEP.										
10...	1245	8510	.00	.00	.01	.08	.12	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR-DANE (UG/L)	TOXA-PHENE (UG/L)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY										
10...	.00	.2	.0	.46	.00	.00	.00	.00	.02	.01
24...	.00	1.1	.0	.83	2.9	.00	.00	.00	.34	.00
JUNE										
22...	.00	.1	.0	.00	.00	.00	.00	.00	.27	.00
JULY										
21...	.00	.2	.0	.64	.33	.00	.00	.00	.00	.00
AUG.										
03...	.00	.2	.0	.10	.00	.00	.00	.10	.31	.00
SEP.										
10...	.00	.5	.0	.13	.00	.00	.00	.00	.34	.00

TABLE 67.--08075400 SIMS BAYOU AT HIRAM CLARKE STREET, HOUSTON, TEX.  
(Lat 29°37'07", long 95°26'45")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HC03) (MG/L)	CARBONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)
DEC. 01...	0920	6.9	24	31	25	110	340	0	32	73	.6	--
FEB., 1971												
08...	1130	8.0	20	36	18	130	252	0	33	140	.4	--
MAY 06...	1200	9.4	30	38	21	120	368	0	41	86	.6	.62
JULY 21...	1000	13	29	40	13	120	362	0	32	77	.9	.76
AUG. 30...	0910	200	7.5	21	4.3	120	74	0	15	180	.2	.41

DATE	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL FILTRABLE RESIDUE (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)
DEC. 01...	.17	1.2	2.7	6.5	300	478	--	180	0	3.6	869	7.3
FEB., 1971												
08...	.34	1.1	3.7	4.6	270	525	--	160	0	4.4	949	7.8
MAY 06...	.45	6.3	.4	6.5	--	531	130	180	0	4.0	1000	7.0
JULY 21...	.060	5.5	.00	5.9	--	500	--	150	0	4.2	935	7.9
AUG. 30...	.060	.88	.8	.75	--	385	96	70	10	6.2	747	7.2

DATE	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT) UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
DEC. 01...	22.5	--	--	4.8	55	--	16	200000	4000	--	--	.00
FEB., 1971												
08...	13.0	--	--	8.6	81	27	3.2	--	--	--	--	.02
MAY 06...	24.5	10	30	2.1	25	11	9.9	620000	420000	1700	21	.00
JULY 21...	29.0	50	55	2.0	26	81	19	16000000	740000	20000	--	.00
AUG. 30...	24.5	220	150	2.4	29	39	2.3	1500000	12000	33000	9	.00

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDT (UG/L)	DDE (UG/L)	DDI (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTACHLOR (UG/L)	HEPTACHLOR EPOXIDE (UG/L)
MAY 06...	1200	9.4	--	--	--	--	--	--	--	--

DATE	LINDANE (UG/L)	CHLORDANE (UG/L)	TOXAPHENE (UG/L)	DI-AZINON (UG/L)	MALATHION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY 06...	--	--	--	.38	.00	.00	.00	.00	.00	.00

TABLE 68.--08075500 SIMS BAYOU AT HOUSTON, TEX.  
(Lat 29°40'27", long 95°17'21")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
DEC. 01...	1025	19	15	62	22	360	262	0	140	490	.4	--
FEB., 1971												
MAY 08...	1300	22	12	42	16	330	182	0	52	500	.4	--
MAY 06...	1020	17	21	50	18	560	326	0	36	800	.7	.66
MAY 18...	0800	18	21	49	13	220	316	0	52	280	.9	.41
JUNE 09...	1110	22	17	39	17	220	306	0	48	260	.6	.41
JUNE 22...	1120	19	18	43	14	380	270	0	46	540	.4	.43
JULY 15...	1020	18	21	56	19	410	236	0	220	500	.7	.48
JULY 21...	1100	46	14	46	9.0	210	148	0	74	300	.5	.23
AUG. 03...	1400	53	23	37	11	140	174	0	56	190	.4	.36
AUG. 26...	1400	110	11	42	9.5	280	122	0	27	460	.4	.58
SEP. 10...	1010	1650	5.9	28	4.9	82	72	0	24	130	2.2	.51

DATE	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SODIUM (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)
DEC. 01...	.000	11	.00	3.5	470	1230	--	240	26	10	2210	6.7
FEB., 1971												
MAY 08...	.18	6.4	.8	3.2	270	1050	--	170	23	11	1980	7.7
MAY 06...	.000	10	.00	7.0	--	1660	10	200	0	17	3000	7.0
MAY 18...	.010	17	.00	6.0	--	811	--	180	0	7.2	1510	6.9
JUNE 09...	.010	8.6	.1	21	--	757	--	170	0	7.4	1440	7.4
JUNE 22...	.020	10	.00	5.1	--	1180	32	170	0	13	2120	7.4
JULY 15...	.020	9.8	.00	4.8	--	1400	--	220	22	12	2360	6.9
JULY 21...	.020	6.2	.00	3.7	--	730	--	150	30	7.4	1390	7.0
AUG. 03...	.020	10	.1	3.2	--	560	32	140	0	5.2	1040	7.0
AUG. 26...	.16	5.0	.4	1.4	--	903	78	140	44	10	1670	7.3
SEP. 10...	.010	.85	.4	1.2	--	313	--	90	31	3.8	582	4.7

DATE	TEMP-ERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SAT-URATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC. 01...	22.0	--	--	1.8	20	--	11	320000	32000	--	--	.01
FEB., 1971												
MAY 08...	11.0	--	--	5.6	50	29	18	48000	4600	--	--	.09
MAY 06...	24.0	30	2	1.6	19	18	8.7	2000000	6700	4900	21	.00
MAY 18...	23.5	20	5	.3	4	42	8.1	1500000	25000	1800	7	.09
JUNE 09...	28.0	20	20	3.0	38	37	7.8	1900000	78000	14000	7	.04
JUNE 22...	29.0	40	20	4.2	54	47	6.8	460000	9000	2700	3	.02
JULY 15...	29.5	25	30	1.2	16	33	7.2	2300000	29000	5800	1	.00
JULY 21...	29.0	40	35	2.3	29	26	9.3	420000	19000	6600	4	.10
AUG. 03...	26.0	40	20	3.7	45	34	4.4	930000	7700	16000	6	.11
AUG. 26...	28.5	90	100	.6	8	63	8.7	1700000	79000	6700	8	.03
SEP. 10...	25.0	140	180	4.3	51	56	4.1	2100000	20000	33000	10	.09

TABLE 68.--08075500 SIMS BAYOU AT HOUSTON, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	OIL AND GREASE (MG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
DEC. 01...	--	--	--	--	--	--	--	--	--	--	--	--
FEB. 08... 1971	--	--	--	--	--	--	--	--	--	--	--	--
MAY 06...	90	0	0	0	0	9	450	5	170	.6	10	160
MAY 18...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 09...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 22...	20	10	0	0	0	4	130	0	120	<.5	0	50
JULY 15...	--	--	--	--	--	--	--	--	--	--	--	--
JULY 21...	10	0	0	0	0	5	40	0	140	.9	4	180
AUG. 03...	50	0	0	0	1	4	120	6	100	<.5	1	170
AUG. 26...	--	--	--	--	--	--	--	--	--	--	--	--
SEP. 10...	90	10	0	0	0	11	70	0	24	2.8	10	30

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)
MAY 06...	1020	17	.00	.01	.00	.01	.06	.00	.00	.00
JUNE 22...	1120	19	.00	.00	.00	.00	.00	.00	.00	.00
JULY 21...	1100	46	.00	.00	.00	.00	.04	.00	.00	.00
AUG. 03...	1400	53	.00	.00	.00	.01	.05	.00	.00	.00
SEP. 10...	1010	1650	.00	.00	.00	.02	.11	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR-DANE (UG/L)	TOXA-PHENE (UG/L)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY 06...	.00	.1	.0	.48	.00	.00	.00	.00	.00	.60
JUNE 22...	.02	.1	.0	--	--	--	--	.00	.24	.00
JULY 21...	.00	.1	.0	.47	.08	.00	.00	.00	.17	.00
AUG. 03...	.00	.1	.0	.14	.00	.00	.00	.26	.28	.00
SEP. 10...	.00	.3	.0	.03	.00	.00	.00	.00	.18	.03

TABLE 69.--08075650 BERRY BAYOU AT FOREST OAKS STREET, HOUSTON, TEX.  
(Lat 29°40'35", long 95°14'37")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)
DEC. 01...	1115	7.0	--	--	--	--	--	--	--	--	--	--
FEB. 08...	1400	12	13	32	16	250	314	0	34	310	1.0	--
MAY 05...	0920	4.0	19	34	23	530	444	0	29	700	2.2	1.2
MAY 18...	0650	4.0	16	30	19	420	414	0	30	540	2.5	.11
JUNE 09...	1320	5.8	12	33	17	430	436	0	23	520	1.6	.55
JUNE 22...	1245	6.7	16	41	19	520	374	0	27	700	1.3	.50
JULY 15...	0940	12	18	24	18	240	290	0	32	280	1.5	.39
JULY 21...	1140	40	6.2	26	4.1	120	130	0	22	160	.6	.26
AUG. 12...	1315	7.7	13	36	18	290	276	0	14	410	1.0	.75
AUG. 24...	1110	--	15	34	15	320	288	0	36	420	1.1	.53

DATE	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)
DEC. 01...	--	--	--	--	--	--	--	--	--	--	2900	7.3
FEB. 08...	0.060	9.0	.2	4.9	450	826	--	140	0	9.0	1500	7.9
MAY 05...	0.050	15	.1	7.0	--	1580	9	180	0	17	3010	6.9
MAY 18...	0.030	17	.00	8.5	--	1290	--	150	0	15	2380	7.3
JUNE 09...	.19	7.2	.1	5.8	--	1260	--	150	0	15	2340	7.8
JUNE 22...	.32	6.5	.00	14	--	1510	18	180	0	17	2770	7.8
JULY 15...	0.080	6.9	.1	1.5	--	770	--	130	0	9.0	1440	7.1
JULY 21...	0.040	1.3	.4	2.0	--	400	--	82	0	5.9	786	7.2
AUG. 12...	.74	7.0	.1	4.6	--	932	46	160	0	9.9	1790	7.5
AUG. 24...	0.070	8.5	.1	7.2	--	993	6	150	0	12	1850	7.6

DATE	TEMPERATURE (DEG C)	COLOR (PLATINUM-CORALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM PER 100 ML	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PHENOLS (UG/L)	METHYLNE BLUE ACTIVE SUBSTANCE (MG/L)
DEC. 01...	23.0	--	--	4.0	46	--	--	600000	1300	--	--	--
FEB. 08...	15.0	--	--	7.2	71	52	22	23000	5800	--	--	.13
MAY 05...	24.0	60	6	2.6	31	84	22	3400000	770000	55000	21	.12
MAY 18...	22.0	35	10	2.2	25	68	20	600000	7700	5200	9	.04
JUNE 09...	30.5	40	35	9.3	122	130	29	360000	3600	1400	7	.03
JUNE 22...	30.5	60	20	6.2	82	63	16	58000	450	270	4	.02
JULY 15...	28.0	45	20	3.4	43	25	5.6	320000	19000	800	3	.00
JULY 21...	28.0	80	90	3.0	38	59	14	940000	16000	2400	1	.00
AUG. 12...	32.0	50	35	9.8	132	56	19	130000	320	130	10	.11
AUG. 24...	28.0	55	3	4.2	53	24	.7	220000	8700	540	0	.28

DATE	OTL AND GREASE (MG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
DEC. 01...	--	--	--	--	--	--	--	--	--	--	--	--
FEB. 08...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 05...	20	0	0	0	0	20	66	0	80	.5	10	40
MAY 18...	40	--	--	--	--	--	--	--	--	--	--	--
JUNE 09...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 22...	20	10	0	0	0	9	60	2	70	<.5	0	20
JULY 15...	--	--	--	--	--	--	--	--	--	--	--	--
JULY 21...	10	20	0	4	0	7	50	0	50	.7	9	50
AUG. 12...	20	0	0	0	0	26	60	2	13	.5	0	50
AUG. 24...	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 69.--08075650 BERRY BAYOU AT FOREST OAKS STREET, HOUSTON, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
MAY 05...	0920	4.0	.07	.06	.00	.00	.33	.00	.00	.00
JUNE 22...	1245	6.7	.00	.00	.00	.00	.00	.00	.00	.00
JULY 21...	1140	40	.00	.00	.00	.00	.04	.00	.00	.00
AUG. 12...	1315	7.7	.00	.00	.00	.00	.13	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY 05...	.06	.7	.0	.74	.00	.09	.55	.00	.00	.00
JUNE 22...	.02	.8	.0	--	--	--	--	.00	.03	.00
JULY 21...	.00	.2	.0	.18	.11	.00	.00	.00	.24	.00
AUG. 12...	.05	1.8	.0	.14	.00	.00	.00	.00	.00	.00

TABLE 70.--08075720 PLUM CREEK AT HOUSTON, TEX.  
(Lat 29°42'11", long 95°17'00")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HC03) (MG/L)	CARBONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)
MAY												
06...	0900	.35	12	30	6.1	51	106	0	42	58	.2	.22
17...	1050	.27	9.3	29	4.5	60	131	0	38	52	.5	.12
JUNE												
08...	1155	.30	5.8	28	6.8	66	136	0	37	64	.4	.15
22...	1400	.35	11	30	4.1	78	168	0	31	64	.5	.31
JULY												
13...	1230	.57	10	30	2.7	66	124	0	40	60	.4	.18
22...	1515	.50	11	26	3.9	73	156	0	27	58	.6	.21
AUG.												
03...	1300	4.8	5.4	23	2.6	22	87	0	18	18	.2	.21
24...	1050	.40	10	33	3.8	43	112	0	32	46	.3	.07
SEP.												
01...	1025	175	2.4	20	1.2	3.6	58	0	9.2	3.0	.2	.53
10...	1230	334	4.6	17	3.1	3.1	53	0	11	4.0	.2	.38

DATE	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
MAY												
06...	.060	.85	.1	3.8	253	8	100	13	2.2	459	6.9	23.5
17...	.020	.04	.1	1.5	258	--	91	0	2.7	481	7.3	24.0
JUNE												
08...	.090	.54	.3	1.6	277	--	98	0	2.9	523	8.5	28.0
22...	.22	.27	.00	1.1	303	10	92	0	3.5	580	7.4	30.5
JULY												
13...	.020	.20	.1	.30	271	--	86	0	3.1	469	8.0	30.5
22...	.030	.20	.2	.29	278	--	81	0	3.5	499	7.8	33.0
AUG.												
03...	.030	.17	.2	.27	133	22	68	0	1.2	256	7.2	25.5
24...	.040	.20	.2	.44	224	8	98	6	1.9	414	7.5	27.0
SEP.												
01...	.040	.12	.3	.17	70	--	55	7	.2	141	8.0	23.0
10...	.030	.23	.4	.31	71	--	55	12	.2	111	7.6	25.0

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM PER 100 ML	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	OIL AND GREASE (MG/L)
MAY												
06...	10	5	2.8	33	5	3.8	1500000	260000	1600	22	.00	10
17...	20	10	9.4	111	24	3.6	5800	570	1100	1	.00	--
JUNE												
08...	30	10	10.2	129	30	2.8	22000	420	4000	2	.00	--
22...	50	15	4.7	62	57	5.1	300000	1400	2700	2	.04	10
JULY												
13...	15	10	6.5	86	14	1.6	25000	2200	430	6	.00	--
22...	30	40	5.3	73	17	2.0	170000	5200	4400	6	.02	20
AUG.												
03...	50	15	4.3	52	30	2.1	960000	200000	51000	6	.10	20
24...	35	5	4.8	59	10	.8	94000	2600	1900	9	.05	--
SEP.												
01...	80	85	7.4	85	28	2.1	220000	20000	200000	19	.06	--
10...	90	55	7.5	89	25	.9	1500000	7700	120000	11	.04	10

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
MAY												
06...	0	0	23	--	0	7	73	0	90	1.3	10	40
17...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
08...	--	--	--	--	--	--	--	--	--	--	--	--
22...	0	0	17	--	0	5	70	11	20	<.5	0	20
JULY												
13...	--	--	--	--	--	--	--	--	--	--	--	--
22...	10	0	6	--	0	5	40	0	10	<.5	4	0
AUG.												
03...	0	0	6	--	0	7	60	22	10	<.5	0	0
24...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
01...	--	--	--	--	--	--	--	--	--	--	--	--
10...	10	0	14	0	0	8	30	4	9	<.5	0	10

TABLE 70.--08075720 PLUM CREEK AT HOUSTON, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
MAY										
06...	0900	.35	.00	.00	.00	.00	.01	.00	.00	.00
JUNE										
22...	1400	.35	.00	.00	.00	.01	.01	.00	.00	.00
JULY										
22...	1515	.50	.00	.00	.00	.00	.01	.00	.00	.00
AUG.										
03...	1300	4.8	.00	.00	.00	.01	.01	.00	.00	.00
SEP.										
01...	1025	175	.00	.00	.00	.07	.03	.00	.00	.00
10...	1230	334	.00	.00	.01	.06	.07	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY										
06...	.01	.0	.0	.35	.00	.00	.00	.00	.00	.00
JUNE										
22...	.01	.0	.0	.11	.00	.00	.00	.00	.19	.00
JULY										
22...	.00	.0	.0	.06	.00	.00	.00	.12	.19	.00
AUG.										
03...	.00	.1	.0	.02	.00	.00	.00	.06	.13	.00
SEP.										
01...	.00	.2	.0	.01	.00	.00	.00	.00	.09	.00
10...	.05	.2	.0	.12	.00	.00	.00	.11	.12	.00



TABLE 71.--08075730 VINCE BAYOU AT PASADENA, TEX.  
(Lat 29°41'40", long 95°12'58")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
MAY												
05...	1040	3.6	8.7	50	20	71	318	0	16	59	.5	.25
17...	0815	.29	5.6	38	12	120	238	0	44	110	.9	.00
JUNE												
08...	0900	.25	8.2	39	16	170	366	0	41	140	.7	.19
21...	0935	.30	8.1	32	9.8	58	114	20	35	58	.4	.30
JULY												
13...	0715	.35	11	34	12	150	306	0	38	120	1.1	.29
22...	1415	1.1	9.5	19	6.0	120	208	0	26	88	1.0	.28
AUG.												
03...	0745	115	5.4	20	3.4	11	70	0	15	10	.2	.41
24...	0930	1.9	11	27	11	100	224	0	34	84	.8	.14
SEP.												
01...	0950	82	2.0	26	1.3	13	85	0	12	12	.2	.54

DATE	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)
MAY												
05...	.000	.18	.00	.11	381	17	208	0	2.1	753	7.1	24.0
17...	.000	.00	.00	.65	445	--	140	0	4.3	830	7.9	20.0
JUNE												
08...	.010	.28	.4	2.5	598	--	160	0	5.8	1090	7.8	25.5
21...	.000	.04	.00	.44	277	36	120	27	2.3	525	10.0	28.0
JULY												
13...	.020	.79	.00	1.3	517	--	134	0	5.6	959	8.0	24.5
22...	.010	.17	.00	.22	368	--	72	0	5.9	662	7.3	37.0
AUG.												
03...	.060	.28	.4	.45	101	346	64	7	.6	192	7.4	24.5
24...	.020	.88	.2	.90	383	338	110	0	4.1	681	8.0	27.0
SEP.												
01...	.060	.61	.4	.21	111	--	70	0	.7	224	8.0	24.0

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	OIL AND GREASE (MG/L)
MAY												
05...	10	6	11.4	134	2	2.7	24000	7900	430	11	.00	10
17...	20	6	9.9	108	34	6.4	1600000	7000	3200	12	.02	--
JUNE												
08...	40	20	--	--	35	5.7	9000	5800	330	1	.03	--
21...	50	35	15.5	196	61	3.8	21000	2100	630	11	.00	10
JULY												
13...	25	6	3.7	44	27	3.4	25000	750	290	2	.01	--
22...	50	70	15.2	220	21	3.9	46000	3700	690	4	.02	--
AUG.												
03...	200	120	6.8	81	38	2.1	1300000	12000	92000	0	.00	20
24...	55	160	5.3	65	24	3.4	780000	21000	7500	3	.10	--
SEP.												
01...	100	150	7.1	84	49	6.0	540000	6700	120000	12	.05	--

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
MAY											
05...	.50	0	0	0	5	30	0	50	<.5	0	10
17...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
08...	--	--	--	--	--	--	--	--	--	--	--
21...	280	1	0	0	6	130	2	0	.9	0	20
JULY											
13...	--	--	--	--	--	--	--	--	--	--	--
22...	10	0	0	0	7	50	4	0	<.5	0	0
AUG.											
03...	0	0	0	0	8	70	5	1	<.5	0	0
24...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
01...	--	--	--	--	--	--	--	--	--	--	--

TABLE 71.--08075730 VINCE BAYOU AT PASADENA, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
MAY										
05...	1040	3.6	.00	.00	.00	.00	.01	.00	.00	.00
JUNE										
21...	0935	.30	.00	.00	.00	.00	.00	.00	.00	.00
JULY										
22...	1415	1.1	.00	.01	.00	.01	.01	.00	.00	.00
AUG.										
03...	0745	115	.00	.00	.00	.10	.08	.00	.00	.00
SEP.										
01...	0950	82	.00	.00	.02	.19	.06	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY										
05...	.01	.0	.0	.01	.00	.00	.00	.00	.00	.01
JUNE										
21...	.00	.0	.0	.05	.00	.00	.00	.00	.47	.00
JULY										
22...	.00	.1	.0	.00	.00	.00	.00	.00	.72	.00
AUG.										
03...	.00	.2	.0	.09	.00	.00	.00	.00	.24	.00
SEP.										
01...	.00	.4	.0	.03	.00	.00	.00	.00	.22	.00

TABLE 72.--08075740 LITTLE VINCE BAYOU AT PASADENA, TEX.  
(Lat 29°42'38", Long 95°12'08")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
MAY												
05...	1400	.13	6.5	24	5.8	170	408	0	11	70	1.3	.68
11...	1700	126	2.2	18	2.5	14	68	0	14	11	.3	.39
17...	0715	.95	9.9	20	2.4	120	258	0	37	50	.9	.18
JUNE												
08...	1000	.20	6.5	30	6.1	170	388	0	18	84	.8	.30
21...	1040	.10	8.4	28	5.9	51	160	0	32	30	.3	.45
JULY												
13...	0830	.15	5.1	26	6.1	170	374	0	22	100	1.2	.43
22...	1230	.51	6.3	26	7.6	28	118	0	27	24	.4	.45
AUG.												
03...	0920	51	3.4	16	1.7	8.4	53	0	11	7.0	.2	.22
24...	1015	.50	4.6	36	8.3	160	396	0	15	94	.8	1.4
SEP.												
10...	1000	380	4.7	18	3.4	5.6	59	0	12	6.5	.1	.84

DATE	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)
MAY												
05...	.010	.22	.00	1.3	487	44	84	0	8.1	876	7.8	25.0
11...	.050	.97	.4	.28	98	241	55	0	.8	181	6.5	21.0
17...	.020	.29	.00	.25	368	--	60	0	6.8	614	6.9	25.0
JUNE												
08...	.010	.86	2.0	4.5	512	--	100	0	7.4	939	8.9	26.5
21...	.020	.80	.00	1.9	236	22	94	0	2.3	442	7.5	27.0
JULY												
13...	.010	2.0	.00	2.0	520	--	90	0	7.8	977	8.5	27.5
22...	.050	.88	.1	.95	179	--	96	0	1.2	350	7.6	30.0
AUG.												
03...	.030	.28	.2	.39	75	38	47	4	.5	144	7.2	24.5
24...	.020	.59	.00	1.2	515	12	120	0	6.3	916	8.7	27.5
SEP.												
10...	.020	.30	.5	.47	82	--	59	11	.3	140	7.9	24.5

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BIO-IDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	OIL AND GREASE (MG/L)
MAY												
05...	20	15	10.0	119	12	5.6	260000	3300	250	5	.00	0
11...	40	90	5.2	58	49	10	--	--	--	0	.01	--
17...	20	15	2.5	30	16	3.1	1000000	75000	4900	7	.00	--
JUNE												
08...	40	20	4.6	56	40	9.0	1300000	7000	9700	0	.02	--
21...	50	20	3.7	46	45	13	1100000	14000	7300	18	.05	30
JULY												
13...	35	10	1.4	18	37	8.1	2000000	54000	49000	7	.03	--
22...	60	120	5.3	70	32	7.7	3400000	140000	25000	3	.03	0
AUG.												
03...	80	35	5.3	63	29	2.2	1300000	7000	76000	5	.06	20
24...	50	10	2.6	32	28	4.9	940000	20000	5500	5	.11	--
SEP.												
10...	130	70	6.7	80	37	2.4	1600000	16000	100000	15	.04	10

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
MAY											
05...	10	0	0	0	7	24	0	40	<.5	0	10
11...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
08...	--	--	--	--	--	--	--	--	--	--	--
21...	10	0	0	0	4	40	2	150	<.5	0	10
JULY											
13...	--	--	--	--	--	--	--	--	--	--	--
22...	10	0	3	0	5	50	0	19	<.5	1	10
AUG.											
03...	0	0	0	2	6	50	11	2	<.5	2	0
24...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
10...	10	0	0	1	7	70	5	0	.5	0	0

TABLE 72.--08075740 LITTLE VINCE BAYOU AT PASADENA, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)
MAY										
05...	1400	.13	.00	.00	.00	.00	.01	.00	.00	.00
11...	1700	126	.00	.04	.02	.68	.04	.00	.00	.00
JUNE										
21...	1040	.10	.00	.00	.00	.00	.01	.00	.00	.00
JULY										
22...	1230	.51	.00	.01	.00	.03	.02	.00	.00	.00
AUG.										
03...	0920	51	.00	.00	.00	.08	.03	.00	.00	.00
SFP.										
10...	1000	380	.00	.00	.00	.05	.07	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR-DANE (UG/L)	TOXA-PHENE (UG/L)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY										
05...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00
11...	.03	.5	.0	.53	.00	.00	.00	.00	.55	.00
JUNE										
21...	.00	.0	.0	.09	.00	.00	.00	.66	.83	.00
JULY										
22...	.01	.1	.0	.19	.00	.00	.00	.00	.23	.00
AUG.										
03...	.00	.2	.0	.10	.00	.00	.00	.00	.29	.00
SFP.										
10...	.04	.4	.0	.05	.00	.00	.00	.00	.27	.00

TABLE 73.--08075760 HUNTING BAYOU AT FALLS STREET, HOUSTON, TEX.  
(Lat 29°48'22", long 95°19'50")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
DEC. 02...	1335	4.0	25	77	24	190	424	0	40	220	.6	--
FEB., 1971												
12...	1325	1.3	25	91	23	370	448	0	54	500	.6	--
MAR. 18...	1715	30	6.6	32	15	28	111	0	33	51	.2	.68
MAY 06...	1330	.59	29	74	23	310	402	0	25	420	.8	.51
JULY 21...	1505	1.7	12	40	8.3	210	252	0	25	250	.5	.39

DATE	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)
DEC. 02...	.090	.18	.1	.70	190	777	--	290	0	4.8	1440	7.5
FEB., 1971												
12...	.040	1.1	.00	1.2	170	1280	--	320	0	9.0	2190	7.2
MAR. 18...	.16	.52	1.4	1.4	90	228	--	140	49	1.0	396	6.5
MAY 06...	.030	.89	.00	1.2	--	1090	149	280	0	8.1	1930	6.9
JULY 21...	.020	.24	.00	.85	--	666	--	130	0	7.9	1230	9.2

DATE	TEMP-ERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC. 02...	24.5	--	--	5.3	62	--	4.8	390000	4800	--	--	.00
FEB., 1971												
12...	17.0	--	--	2.8	29	44	50	3500000	6700	--	--	.01
MAR. 18...	22.0	--	--	7.6	86	180	54	570000	29000	--	--	.00
MAY 06...	23.5	10	45	1.1	13	33	22	110000	21000	9000	0	.00
JULY 21...	32.0	90	35	4.4	59	63	18	1900000	44000	25000	--	.20

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)
MAR. 18...	1715	30	.00	.15	.04	.19	.00	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR-DANE (UG/L)	TOXA-PHENE (UG/L)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAR. 18...	.00	.5	.0	1.4	.30	.00	.00	1.0	.17	.00

TABLE 74.--08075770 HUNTING BAYOU AT U.S. HIGHWAY 90-A, HOUSTON, TEX.  
(Lat 29°47'43", long 95°16'21")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)
DEC. 02...											
FEB., 1971 12...	1415	7.6	19	74	23	120	386	0	92	98	.6
MAR. 18...	1430	6.1	18	82	19	96	352	0	30	130	.6
MAY 06...	1800	62	7.3	50	35	38	217	0	58	80	.4
MAY 19...	1430	3.2	23	56	23	170	452	0	36	150	.8
MAY 25...	1340	3.7	17	68	17	130	368	0	46	140	3.0
JUNE 09...	1100	47	8.4	47	6.5	36	124	0	54	43	.5
JUNE 22...	0715	3.7	9.3	59	16	180	392	0	36	170	.5
JULY 14...	0720	4.2	18	66	12	120	340	0	73	100	.6
JULY 22...	1245	2.2	20	52	15	120	320	0	40	130	.6
AUG. 03...	1045	4.5	16	58	14	110	252	0	74	120	.6
AUG. 24...	1500	56	10	44	8.8	30	88	0	81	48	.5
SEP. 10...	1040	2.0	17	57	15	130	346	0	38	130	.4
SEP. 10...	1230	1500	4.5	23	2.6	8.6	66	0	19	9.0	.2

DATE	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)
DEC. 02...	--	.10	3.9	.00	1.1	250	621	--	280	0
FEB., 1971 12...	--	.34	4.4	1.0	1.7	980	560	--	280	0
MAR. 18...	.73	.14	3.7	3.3	2.3	380	395	--	270	90
MAY 06...	1.1	.010	4.2	.00	4.4	--	687	23	240	0
MAY 19...	.44	.14	10	.1	3.5	--	607	--	240	0
MAY 25...	.43	.34	2.8	2.9	1.0	--	274	--	140	42
JUNE 09...	.36	.15	2.0	.00	4.2	--	662	--	210	0
JUNE 22...	.55	.10	8.2	1.2	2.8	--	572	48	210	0
JULY 14...	.47	.090	5.5	.00	2.0	--	543	--	190	0
JULY 22...	.91	.18	10	3.1	2.8	--	542	--	200	0
AUG. 03...	.64	.28	9.2	4.7	3.5	--	299	106	150	74
AUG. 24...	.23	.040	8.8	.00	2.5	--	567	12	200	0
SEP. 10...	.40	.030	.92	.8	.75	--	104	--	68	14

DATE	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)
DEC. 02...	3.1	1100	7.3	23.5	--	--	8.5	99	--	9.6
FEB., 1971 12...	2.5	1200	7.0	17.0	--	--	7.9	81	25	12
MAR. 18...	1.0	707	6.7	21.5	--	--	5.7	64	200	42
MAY 06...	4.8	1290	7.1	24.0	50	6	1.4	16	185	102
MAY 19...	3.7	1190	7.7	28.5	20	10	3.1	40	47	3.0
MAY 25...	1.3	506	7.0	24.5	50	35	3.1	37	53	1.0
JUNE 09...	5.4	1210	7.6	25.5	40	20	.4	5	51	5.4
JUNE 22...	3.6	1000	7.2	26.0	40	25	.4	5	61	17
JULY 14...	3.8	1020	7.9	31.0	35	15	18.4	245	37	5.2
JULY 22...	3.2	1040	7.1	28.0	70	75	3.6	46	87	13
AUG. 03...	1.1	547	6.7	25.0	70	60	1.5	18	60	2.4
AUG. 24...	4.0	1050	7.6	27.0	35	10	4.0	49	23	4.1
SEP. 10...	.5	178	4.0	25.0	100	110	5.8	69	44	5.8

TABLE 74.--08075770 HUNTING BAYOU AT U.S. HIGHWAY 90-A, HOUSTON, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	PHENOLS (UG/L)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)	OIL AND GREASE (MG/L)	DIS- SOLVED ALUM- INUM (AL) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)
DEC.										
02...	1300000	660000	--	--	.00	--	--	--	--	--
FEB., 1971										
12...	130000	500	--	--	.01	--	--	--	--	--
MAR.										
18...	6600000	340000	--	--	.00	--	40	7	0	0
MAY										
06...	840000	100000	6900	0	.03	10	--	0	1	0
19...	1000000	220	--	0	.02	--	--	--	--	--
25...	700000	200000	75000	5	.01	20	--	0	1	0
JUNE										
09...	20000000	25000	1600	0	.02	--	--	--	--	--
22...	7500000	170000	24000	6	.02	50	--	10	0	0
JULY										
14...	1100000	2400	820	2	.02	--	--	--	--	--
22...	4500000	56000	18000	3	.22	20	--	10	0	0
AUG.										
03...	2900000	150000	200000	12	.21	30	--	30	0	0
24...	98000	20000	670	0	.11	--	--	--	--	--
SEP.										
10...	6200000	28000	240000	9	.12	30	--	10	0	0

DATE	DIS- SOLVED COBALT (CO) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED LITHIUM (LI) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	DIS- SOLVED STRON- TIUM (SR) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
DEC.										
02...	--	--	--	--	--	--	--	--	--	--
FEB., 1971										
12...	--	--	--	--	--	--	--	--	--	--
MAR.										
18...	0	14	40	0	20	220	2.7	9	270	110
MAY										
06...	1	12	270	0	--	250	2.4	10	--	70
19...	--	--	--	--	--	--	--	--	--	--
25...	0	16	45	5	--	80	<.5	0	--	140
JUNE										
09...	--	--	--	--	--	--	--	--	--	--
22...	0	4	120	0	--	200	<.5	0	--	50
JULY										
14...	--	--	--	--	--	--	--	--	--	--
22...	0	8	70	0	--	170	<.5	8	--	60
AUG.										
03...	0	8	60	4	--	40	<.5	3	--	90
24...	--	--	--	--	--	--	--	--	--	--
SEP.										
10...	0	6	50	3	--	16	<.5	4	--	20

TABLE 74.--08075770 HUNTING BAYOU AT U.S. HIGHWAY 90-A, HOUSTON, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
MAR. 18...	1800	62	--	--	--	--	--	--	--	--
MAY 06...	1430	3.2	.00	.06	.02	.00	.05	.00	.00	.00
25...	1100	47	.00	.02	.00	.03	.02	.00	.00	.00
JUNE 22...	0720	4.2	--	--	--	--	--	--	--	--
JULY 22...	1045	4.5	.00	.07	.00	.06	.03	.00	.00	.00
AUG. 03...	1500	56	.00	.00	.00	.03	.02	.00	.00	.00
SEP. 10...	1230	1500	.00	.00	.00	.07	.04	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAR. 18...	--	--	--	1.2	1.1	--	--	--	--	--
MAY 06...	.00	.2	.0	--	--	--	--	.37	.00	.00
25...	.00	.1	.0	.18	1.4	.00	.00	2.6	1.1	.00
JUNE 22...	--	--	--	--	--	.00	.00	3.2	2.5	.00
JULY 22...	.00	.0	.0	.18	.04	.00	.00	2.1	.76	.08
AUG. 03...	.00	.1	.0	.02	.00	.00	.00	.61	1.5	.00
SEP. 10...	.00	.1	.0	.02	.00	.00	.00	.75	.31	.00



TABLE 75.--08076000 GREENS BAYOU NEAR HOUSTON, TEX.  
(Lat 29°55'05", long 95°18'24")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)
DEC. 03...	1030	8.2	27	89	25	130	376	0	20	190	.4	--
FEB., 1971												
11...	1445	6.7	44	93	14	110	334	0	46	150	.3	--
MAY												
10...	1010	5.2	44	92	18	150	294	0	53	240	.5	.40
JULY												
21...	1320	41	21	54	8.6	93	176	0	22	140	.4	.28
AUG.												
03...	1450	320	6.4	22	3.4	18	77	0	10	24	.2	.52

DATE	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)
DEC. 03...	.18	.30	.7	1.8	260	672	--	320	16	3.1	1210	7.9
FEB., 1971												
11...	.17	.10	1.0	1.7	190	624	--	290	14	2.8	1070	7.9
MAY												
10...	.45	1.6	1.0	3.1	--	756	157	300	63	3.8	1380	7.2
JULY												
21...	.21	.81	.8	2.3	--	435	--	170	26	3.1	803	7.5
AUG.												
03...	.040	.52	.5	.62	--	125	760	69	6	.9	226	7.4

DATE	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
DEC. 03...	22.0	--	--	6.8	77	--	4.6	16000	5300	--	--	.00
FEB., 1971												
11...	15.5	--	--	9.4	93	8	6.6	14000	2100	--	--	.01
MAY												
10...	25.0	20	80	4.4	52	12	7.8	17000	520	140	0	.01
JULY												
21...	30.0	70	130	2.9	38	32	7.5	900000	23000	9400	--	.00
AUG.												
03...	24.0	120	90	4.8	56	39	1.2	1300000	50000	60000	11	.21

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTACHLOR (UG/L)	HEPTACHLOR EPOXIDE (UG/L)
MAY										
10...	1010	5.2	.00	.00	.00	.00	.01	.00	.00	.00
JULY										
21...	1320	41	.00	.00	.00	.00	.02	.00	.00	.00
AUG.										
03...	1450	320	.00	.00	.00	.01	.00	.00	.00	.00

DATE	LINDANE (UG/L)	CHLORDANE (UG/L)	TOXAPHENE (UG/L)	DI-AZINON (UG/L)	MALATHION (UG/L)	METHYL PARATHION (UG/L)	PARATHION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY										
10...	.01	.0	.0	.05	.00	.00	.00	.00	.00	.00
JULY										
21...	.05	.0	.0	.20	.27	.00	.00	.00	.14	.00
AUG.										
03...	.00	.1	.0	.00	.00	.00	.00	.20	.26	.03

TABLE 76.--08076500 HALLS BAYOU AT HOUSTON, TEX.  
(Lat 29°51'42", long 95°20'05")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
DEC. 03...	1115	6.1	34	100	32	670	560	0	24	1000	.4	--
FEB., 1971 11...	1345	5.2	30	82	21	820	424	0	33	1200	.0	--
MAY 10...	1045	3.6	27	39	15	98	274	0	39	78	.6	.21
JULY 21...	1300	14	19	43	9.8	400	154	0	25	640	.3	.62
AUG. 03...	1530	157	6.3	17	3.1	45	58	0	15	65	.1	.44

DATE	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)
DEC. 03...	.010	11	.00	4.5	1300	2160	--	390	0	15	3930	7.6
FEB., 1971 11...	.12	8.9	.00	10	1800	2440	--	290	0	21	4350	7.2
MAY 10...	1.7	4.5	1.7	3.8	--	451	6	160	0	3.4	876	7.6
JULY 21...	.20	8.0	.2	8.5	--	1220	--	150	22	14	2350	7.4
AUG. 03...	.070	1.4	.6	1.5	--	185	222	55	7	2.6	355	7.0

DATE	TEMP-ERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL. ONIES PER 100 ML)	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC. 03...	22.5	--	--	.4	5	--	36	>16000000	170000	--	--	.03
FEB., 1971 11...	14.5	--	--	1.4	44	75	31	230000	4300	--	--	.24
MAY 10...	27.0	30	4	6.8	84	19	11	4500000	1400000	14000	0	.04
JULY 21...	29.5	80	15	3.6	47	80	23	5400000	55000	19000	--	.77
AUG. 03...	24.0	120	85	3.0	35	53	2.2	1100000	26000	110000	12	.00

DATE	OIL AND GREASE (MG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
DEC. 03...	--	--	--	--	--	--	--	--	--	--	--	--
FEB., 1971 11...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 10...	--	--	--	--	--	--	--	--	--	--	--	--
JULY 21...	--	--	--	--	--	--	--	--	--	--	--	--
AUG. 03...	10	10	0	0	0	11	70	0	18	1.2	0	40

TABLE 76.--08076500 HALLS BAYOU AT HOUSTON, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
MAY 10...	1045	3.6	.00	.02	.00	.01	.07	.00	.00	.00
JULY 21...	1300	14	--	--	--	--	--	--	--	--
AUG. 03...	1530	157	.00	.00	.00	.00	.01	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY 10...	.06	.3	.0	.58	.00	.00	.00	.00	.19	.00
JULY 21...	--	--	--	--	--	--	--	.00	.15	.00
AUG. 03...	.00	.1	.0	.00	.00	.00	.00	.00	.54	.00

TABLE 77.--08076700 GREENS BAYOU AT LEY ROAD, AT HOUSTON, TEX.  
(Lat 29°50'13", long 95°13'59")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM PLUS POTAS- SIUM (MG/L)	BICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
DEC.										
03...	1200	--	21	120	25	500	398	0	26	820
FEB., 1971										
11...	1245	--	20	86	24	350	326	0	38	550
MAY										
06...	1045	16	27	99	26	510	322	0	29	840
19...	1140	13	19	100	19	400	278	0	28	680
25...	1215	311	7.9	34	6.1	61	98	0	22	100
JUNE										
10...	0845	13	26	91	20	400	288	0	28	660
23...	0915	69	9.2	61	14	380	104	0	23	660
JULY										
14...	1030	11	30	90	26	390	260	0	24	680
21...	1415	104	25	170	34	800	220	0	25	1500
AUG.										
03...	1400	357	10	48	17	220	116	0	18	390
25...	0835	13	23	92	17	310	286	0	28	520
SEP.										
10...	1445	2000	5.9	29	2.8	59	85	0	12	92

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)
DEC.										
03...	.5	--	.24	4.1	.7	5.5	600	1720	--	410
FEB., 1971										
11...	.4	--	.28	5.6	.8	4.7	470	1240	--	310
MAY										
06...	.6	.65	.090	8.4	.1	5.8	--	1700	12	350
19...	1.5	.52	.66	3.6	1.8	3.4	--	1400	--	340
25...	.4	.43	.080	1.1	.4	1.4	--	283	--	110
JUNE										
10...	.4	.47	.12	6.2	.1	7.5	--	1370	--	310
23...	.3	.49	.090	2.2	.9	1.6	--	1200	266	210
JULY										
14...	.3	.54	.10	6.6	.3	6.2	--	1380	--	330
21...	.4	.54	.32	4.6	.6	5.0	--	2680	--	560
AUG.										
03...	.3	.87	.080	1.5	.4	1.6	--	757	2070	190
25...	.3	.54	.060	9.0	.5	5.5	--	1150	20	300
SEP.										
10...	.2	.86	.000	.51	.4	.75	--	245	--	84

DATE	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)	TEMP- ERATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)
DEC.										
03...	82	11	2950	7.4	22.5	--	--	5.8	66	--
FEB., 1971										
11...	45	8.6	2240	7.2	12.5	--	--	7.6	71	40
MAY										
06...	88	12	2930	7.2	24.5	35	6	1.1	13	26
19...	110	9.6	2550	7.6	26.5	40	10	8.3	101	54
25...	30	2.5	577	7.0	24.0	60	160	3.7	44	45
JUNE										
10...	72	9.9	2570	7.5	26.5	20	25	2.3	28	43
23...	120	11	2310	7.5	25.0	70	100	3.5	42	51
JULY										
14...	120	9.3	2490	7.7	27.5	100	30	2.7	34	36
21...	380	15	5110	7.3	29.0	50	40	5.0	64	55
AUG.										
03...	93	6.9	1410	6.9	24.5	60	400	4.2	50	97
25...	66	7.8	2090	7.7	27.5	45	15	3.7	46	33
SEP.										
10...	14	2.8	427	7.6	25.0	280	300	5.9	70	68

TABLE 77.--08076700 GREENS BAYOU AT LEY ROAD, AT HOUSTON, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	OIL AND GREASE (MG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)
DEC. 03...	9.6	65000	9600	--	--	.03	--	--	--	--
FEB., 1971 11...	17	10000	980	--	--	.12	--	--	--	--
MAY 06...	10	160000	75000	2000	0	.00	70	0	0	0
19...	11	390000	1100	720	2	.01	--	--	--	--
25...	7.3	1100000	300000	50000	4	.00	0	0	0	0
JUNE 10...	7.2	200000	6700	750	0	.02	--	--	--	--
23...	7.3	3200000	76000	4200	4	.00	10	10	0	0
JULY 14...	20	18000000	50000	2600	8	.01	--	--	--	--
21...	10	10000000	170000	8100	2	.00	20	10	2	0
AUG. 03...	1.8	1200000	140000	65000	12	.00	60	--	--	--
25...	.6	280000	6600	1600	2	.48	--	--	--	--
SEP. 10...	1.0	4000000	28000	79000	6	.00	--	10	0	14

DATE	HEXAVALENT CHROMIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
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DEC. 03...	--	--	--	--	--	--	--	--	--
FEB., 1971 11...	--	--	--	--	--	--	--	--	--
MAY 06...	--	0	4	57	0	310	1.6	0	10
19...	--	--	--	--	--	--	--	--	--
25...	--	0	8	33	2	40	<.5	0	20
JUNE 10...	--	--	--	--	--	--	--	--	--
23...	--	0	10	100	0	70	<.5	0	50
JULY 14...	--	--	--	--	--	--	--	--	--
21...	--	0	9	40	0	290	160	0	70
AUG. 03...	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--
SEP. 10...	0	0	10	60	2	3	<.5	1	0

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)
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MAY 06...	1045	16	.00	.00	.00	.00	.05	.00	.00	.00
25...	1215	311	.00	.01	.00	.02	.03	.00	.00	.00
JUNE 23...	0915	69	.00	.00	.00	.00	.02	.00	.00	.00
JULY 21...	1415	104	.00	.00	.00	.00	.03	.00	.00	.00
AUG. 03...	1400	357	.00	.00	.00	.01	.07	.00	.00	.00
SEP. 10...	1445	2000	.00	.00	.00	.02	.05	.00	.00	.00

DATE	LINDANE (UG/L)	CHLORDANE (UG/L)	TOXAPHENE (UG/L)	DI-AZINON (UG/L)	MALATHION (UG/L)	METHYL PARATHION (UG/L)	PARATHION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
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MAY 06...	.09	.1	.0	.25	.00	.00	.00	.00	.01	.00
25...	.04	.1	.0	.36	1.4	.00	.00	.00	.79	.00
JUNE 23...	.00	.0	.0	.39	.00	.00	.00	.00	1.5	.00
JULY 21...	.00	.0	.0	.25	.00	.00	.00	.12	.10	.00
AUG. 03...	.00	.4	.0	.02	.00	.00	.00	.00	.02	.00
SEP. 10...	.00	.2	.0	.02	.00	.00	.00	.50	.21	.20

TABLE 78.--08076800 BUFFALO BAYOU TRIBUTARY AT PASADENA, TEX.  
(Lat 29°43'31", long 95°09'59")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE- SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS- SIUM (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO- RIDE (CL) (MG/L)	DIS-SOLVED FLUO- RIDE (F) (MG/L)
MAY											
04...	1530	2.7	22	9.0	8.1	180	416	0	34	80	1.5
17...	0940	1.5	18	8.0	10	160	328	0	25	82	1.3
JUNE											
08...	1110	1.5	17	10	9.0	140	314	0	33	80	.8
21...	1245	1.6	19	16	6.3	150	376	0	31	72	1.8
JULY											
13...	1040	2.5	20	8.2	9.1	170	316	0	32	90	1.2
22...	1135	2.7	17	13	11	110	239	0	37	92	.8
AUG.											
03...	1135	30	5.4	21	3.8	29	118	0	22	20	.3
24...	0840	1.4	19	14	8.0	180	408	0	30	86	.8

DATE	ORGANIC NITRO- GEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)
MAY												
04...	.63	.030	12	.00	11	556	34	56	0	11	1050	7.0
17...	15	.040	.00	.3	12	470	--	63	0	8.9	914	7.6
JUNE												
08...	.45	.060	12	.1	10	458	--	62	0	7.7	980	7.6
21...	.59	.13	14	.00	8.5	502	56	66	0	8.2	957	7.5
JULY												
13...	.51	.84	1.1	.2	12	488	--	58	0	9.7	959	7.7
22...	.71	.27	12	.00	7.8	419	--	76	0	5.7	814	7.3
AUG.												
03...	3.2	.13	5.5	.4	2.4	169	372	68	0	1.5	341	7.0
24...	.57	.050	9.8	.4	12	552	12	68	0	9.5	1020	7.6

DATE	TEMP- ERATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	PHENOLS (UG/L)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
MAY												
04...	28.0	45	20	2.3	29	15	6.3	8000	1700	330	0	.00
17...	24.5	40	20	4.9	58	44	11	15000	2000	550	7	.10
JUNE												
08...	29.0	60	25	2.7	35	44	11	67000	3200	1800	5	.04
21...	30.0	50	40	1.6	21	35	6.3	22000	2800	1500	15	.03
JULY												
13...	29.5	60	70	4.4	57	39	30	180000	9300	3100	5	.00
22...	32.0	60	40	3.7	50	25	15	21000	5700	680	6	.14
AUG.												
03...	25.5	100	120	3.1	37	140	17	3100000	22000	88000	8	.08
24...	27.0	60	20	2.1	26	32	5.9	91000	6000	8900	13	.19

DATE	OIL AND GREASE (MG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY												
04...	20	0	0	0	0	10	80	5	90	.5	20	30
17...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
08...	--	--	--	--	--	--	--	--	--	--	--	--
21...	0	0	1	0	0	4	50	0	20	<.5	0	10
JULY												
13...	--	--	--	--	--	--	--	--	--	--	--	--
22...	30	0	0	0	0	16	30	0	24	.5	0	20
AUG.												
03...	30	0	0	0	0	8	70	3	9	<.5	0	40
24...	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 78.--08076800 BUFFALO BAYOU TRIBUTARY AT PASADENA, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
MAY										
04...	1530	2.7	.00	.02	.00	.01	.03	.00	.00	.00
JUNE										
21...	1245	1.6	.00	.00	.00	.00	.03	.00	.00	.00
JULY										
22...	1135	2.7	.00	.00	.00	.00	.16	.00	.00	.00
AUG.										
03...	1135	30	.00	.00	.03	.00	.17	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY										
04...	.00	.3	.0	.00	.00	.00	.00	.00	.05	.07
JUNE										
21...	.00	.1	.0	--	--	--	--	.00	.07	.00
JULY										
22...	.10	.9	.0	.35	.00	.00	.00	.00	.33	.00
AUG.										
03...	.00	2.4	.0	.11	.00	.00	.00	.00	.26	.00

TABLE 79.--08076850 PATRICK BAYOU AT DEER PARK, TEX.  
(Lat 29°42'38", long 95°06'53")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HC03) (MG/L)	CARBONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)
MAY												
04...	1330	1.3	22	14	14	200	536	0	27	88	3.6	1.5
17...	0855	1.6	18	16	9.7	210	444	0	48	100	2.1	1.0
JUNE												
08...	1030	2.3	13	12	9.0	170	482	0	23	80	1.3	1.2
21...	1145	2.2	20	21	9.4	180	476	0	25	80	1.1	.88
JULY												
13...	0930	.69	20	13	12	170	380	0	20	100	1.2	.94
22...	0950	2.3	15	31	8.4	97	280	0	29	61	.6	.68
AUG.												
03...	1035	8.8	11	26	5.9	26	116	0	23	22	.2	.38
24...	0700	1.5	15	16	4.4	160	384	0	11	68	.9	.72
SEP.												
10...	1540	146	6.4	16	2.5	9.7	60	0	9.2	8.0	.2	.29

DATE	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
MAY												
04...	.38	21	1.0	8.8	667	50	92	0	9.0	1180	7.0	25.0
17...	.10	10	.6	9.2	634	--	80	0	10	1080	7.2	22.5
JUNE												
08...	.66	30	1.6	9.2	594	--	67	0	9.0	1080	7.8	26.5
21...	.76	16	1.5	9.0	601	44	91	0	8.2	1050	7.7	28.0
JULY												
13...	.010	7.5	1.8	7.2	548	--	82	0	8.2	981	7.4	27.0
22...	.040	7.0	.3	3.6	391	--	110	0	4.0	719	6.8	29.0
AUG.												
03...	.13	2.2	.4	1.2	176	52	89	0	1.2	336	7.1	25.0
24...	.090	8.5	.1	4.7	473	22	58	0	9.1	827	7.7	26.0
SEP.												
10...	.010	.14	.3	.34	84	--	50	1	.6	153	7.2	27.0

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	OIL AND GREASE (MG/L)
MAY												
04...	65	20	7.0	83	110	14	19000	1	1	0	.14	--
17...	30	15	6.0	68	110	.4	2500	60	1	11	.25	--
JUNE												
08...	60	15	5.0	61	--	22	17000	1	1	1	.25	--
21...	60	25	5.6	71	66	24	30000	5400	5600	20	.25	20
JULY												
13...	65	20	4.8	59	100	7.5	550	1	1	8	.23	--
22...	100	50	2.2	28	88	22	51000	3300	180	2	.17	90
AUG.												
03...	120	30	4.5	54	50	5.1	2800	170	260	14	.11	40
24...	45	15	3.0	37	42	.3	520	1	1	6	2.0	--
SEP.												
10...	130	50	6.0	74	28	2.2	970000	10000	8100	23	.08	20

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
MAY											
04...	0	0	0	0	22	96	4	90	.6	0	50
17...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
08...	--	--	--	--	--	--	--	--	--	--	--
21...	10	0	0	0	17	120	3	20	<.5	0	40
JULY											
13...	--	--	--	--	--	--	--	--	--	--	--
22...	40	0	0	0	14	60	0	110	<.5	0	20
AUG.											
03...	40	0	0	0	12	70	10	30	<.5	1	20
24...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
10...	0	0	0	0	10	120	4	0	1.2	3	20



TABLE 79.--08076850 PATRICK BAYOU AT DEER PARK, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
MAY										
04...	1330	1.3	.00	.26	.00	.12	.14	.00	.00	.00
JUNE										
21...	1145	2.2	.00	.06	.00	.00	.07	.00	.00	.00
JULY										
22...	0950	2.3	.00	.03	.00	.00	.06	.00	.00	.00
AUG.										
03...	1035	8.8	.00	.02	.01	.01	.03	.00	.00	.00
SEP.										
10...	1540	146	.00	.00	.00	.01	.05	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY										
04...	.06	2.5	.0	.33	.53	.00	.00	.00	.08	.00
JUNE										
21...	.00	.5	.0	.71	.00	.00	.00	.00	.09	.00
JULY										
22...	.03	.3	.0	--	--	--	--	.09	.21	.00
AUG.										
03...	.07	.2	.0	.09	.00	.00	.00	.08	.10	.00
SEP.										
10...	.00	.1	.0	.03	.00	.00	.00	.00	.58	.00

TABLE 80.--08076900 CARPENTERS BAYOU AT CLOVERLEAF, TEX.  
(Lat 29°46'21", long 95°09'21")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HC03) (MG/L)	CARBONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)
MAY												
06...	0930	1.1	23	13	18	120	260	0	34	88	1.0	.73
19...	1030	1.7	15	36	24	240	206	0	80	320	2.8	.67
25...	0955	13	8.6	30	6.1	41	95	0	32	53	.5	.46
JUNE												
08...	1225	2.3	9.5	25	8.6	100	210	0	31	70	.5	.47
21...	1310	6.6	12	30	7.1	55	138	0	18	49	.3	.44
JULY												
14...	1330	3.6	14	30	5.1	63	148	0	16	56	.4	.39
21...	0925	22	6.7	24	5.1	22	85	0	18	28	.4	.43
AUG.												
04...	1445	207	9.7	22	3.9	21	77	0	24	20	.3	.26
25...	1220	2.3	15	28	6.8	93	182	0	41	69	.6	.91
SEP.												
10...	1115	886	4.2	12	2.9	6.5	40	0	10	8.0	.2	.46

DATE	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
MAY												
06...	.30	6.9	2.1	9.8	440	10	110	0	5.1	854	7.2	24.0
19...	.49	5.0	2.7	7.8	836	--	190	21	7.6	1510	7.1	27.5
25...	.10	.58	1.1	.59	224	--	100	22	1.8	417	7.2	24.5
JUNE												
08...	.83	2.3	5.8	7.2	381	--	98	0	4.4	713	7.1	28.5
21...	.10	.71	7.0	1.3	272	180	100	0	2.3	452	7.3	29.0
JULY												
14...	.28	.64	4.4	2.8	278	--	96	0	2.8	505	7.8	30.0
21...	.13	.54	.6	.65	150	--	81	11	1.1	288	7.4	27.0
AUG.												
04...	.020	.61	.4	.70	142	454	71	8	1.1	249	6.5	24.0
25...	.080	4.8	7.6	6.8	383	80	98	0	4.1	722	7.4	29.0
SEP.												
10...	.000	.15	.4	.26	66	--	42	9	.4	113	7.2	24.0

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	OIL AND GREASE (MG/L)
MAY												
06...	30	7	3.2	38	46	7.1	1000	1	1	21	.00	0
19...	40	20	9.1	114	49	8.7	6800	1	23	6	.04	--
25...	70	140	5.3	63	42	5.8	420000	4600	3500	1	.00	10
JUNE												
08...	60	25	5.7	73	41	5.4	11000	1200	70	0	.06	--
21...	70	75	6.3	81	33	3.9	500	1	1	2	.00	10
JULY												
14...	120	65	7.2	95	27	4.0	140000	9300	590	8	.00	--
21...	140	230	4.8	59	31	3.8	250000	7000	600	10	.00	20
AUG.												
04...	200	160	6.1	72	48	3.8	2500000	19000	31000	12	.00	10
25...	50	35	3.2	41	56	6.5	120000	2000	500	0	.06	--
SEP.												
10...	280	180	7.6	89	31	.8	1400000	18000	64000	10	.00	70

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (MG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
MAY											
06...	0	0	0	0	14	38	0	200	.6	0	10
19...	--	--	--	--	--	--	--	--	--	--	--
25...	0	0	0	0	6	16	0	0	<.5	0	10
JUNE											
08...	--	--	--	--	--	--	--	--	--	--	--
21...	0	0	0	0	7	40	0	0	<.5	0	0
JULY											
14...	--	--	--	--	--	--	--	--	--	--	--
21...	0	0	0	0	5	90	0	4	1.7	0	0
AUG.											
04...	0	0	0	0	8	90	0	20	<.5	0	20
25...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
10...	0	0	0	0	15	1100	6	5	.9	4	50

TABLE 80.--08076900 CARPENTERS BAYOU AT CLOVERLEAF, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
MAY										
06...	0930	1.1	.00	.02	.00	.05	.07	.00	.00	.00
25...	0955	13	.00	.01	.00	.02	.02	.00	.00	.00
JUNE										
21...	1310	6.6	.00	.00	.00	.00	.02	.00	.00	.00
JULY										
21...	0925	22	.00	.00	.00	.04	.03	.00	.00	.00
AUG.										
04...	1445	207	.00	.00	.00	.04	.09	.00	.00	.00
SEP.										
10...	1115	886	.00	.00	.00	.03	.08	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY										
06...	.06	.4	.0	.29	.00	.00	.00	.00	.01	.00
25...	.02	.1	.0	.21	.00	.00	.00	.00	.14	.00
JUNE										
21...	.00	.1	.0	.08	.00	.00	.00	.11	.37	.00
JULY										
21...	.13	.1	.0	.00	.00	.00	.00	.00	.40	.00
AUG.										
04...	.00	.2	.0	.07	.00	.00	.00	.15	.14	.00
SEP.										
10...	.00	.1	.0	.00	.00	.00	.00	.00	.08	.01

TABLE 81.--08077540 CLEAR CREEK AT FARM ROAD 2351, AT FRIENDSWOOD, TEX.  
(Lat 29°32'31", long 95°11'48")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
MAY												
04...	0910	7.9	16	35	21	180	392	0	29	170	1.6	.51
17...	0745	4.5	14	43	19	150	312	0	50	160	1.2	.40
JUNE												
09...	0835	3.2	9.4	34	14	190	384	0	23	160	1.0	.29
22...	0820	28	15	40	12	130	284	0	38	110	.7	.36
JULY												
16...	0745	15	14	38	17	130	296	0	24	130	1.2	.34
21...	1410	26	1.0	32	7.3	61	162	0	19	63	.5	.59
AUG.												
05...	1015	120	8.6	30	7.3	32	110	0	27	39	.3	.36
30...	0920	50	13	34	12	100	232	0	34	98	.5	.43
SEP.												
10...	1610	790	7.1	16	3.4	15	59	0	14	17	.2	.47

DATE	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)
MAY												
04...	.080	8.2	1.4	4.7	666	28	170	0	5.9	1280	6.9	22.0
17...	.11	4.6	.5	3.8	601	--	180	0	4.8	1110	7.5	21.5
JUNE												
09...	.070	3.5	1.1	5.9	634	--	140	0	6.9	1180	7.5	26.0
22...	.22	1.3	.8	3.4	494	164	150	0	4.6	857	7.5	26.5
JULY												
16...	.10	.90	.6	2.6	507	--	170	0	4.4	942	7.7	28.5
21...	.16	1.2	.7	1.4	269	--	110	0	2.5	515	7.9	28.0
AUG.												
05...	.090	.70	.9	.58	203	376	100	15	1.4	372	7.2	25.5
30...	.28	2.5	.8	3.1	417	34	140	0	3.8	755	7.2	26.0
SEP.												
10...	.010	.48	.5	.39	105	--	54	6	.9	193	6.5	24.0

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PHENOLS (UG/L)	METH-YLENE BLUE ACTIVE SUB-STANCE (MG/L)	OIL AND GREASE (MG/L)
MAY												
04...	30	25	4.7	53	12	4.9	10000	120	350	0	.00	10
17...	30	25	4.0	45	35	4.6	26000	270	210	5	.01	--
JUNE												
09...	50	50	3.8	46	32	4.5	19000	98	310	0	.01	10
22...	70	75	3.9	48	34	5.1	300000	850	800	2	.00	0
JULY												
16...	100	60	3.6	46	26	4.1	52000	650	1100	2	.00	10
21...	100	290	3.6	46	38	7.4	440000	28000	7900	5	.00	10
AUG.												
05...	120	160	5.5	66	43	2.6	1400000	19000	5800	3	.00	--
30...	120	60	3.2	39	23	3.0	180000	1300	500	10	.05	--
SEP.												
10...	260	160	6.0	71	34	1.6	1600000	20000	9300	15	.00	10

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
MAY											
04...	0	0	0	0	13	72	0	130	.8	0	10
17...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
09...	--	--	--	--	--	--	--	--	--	--	--
22...	0	0	0	0	10	20	0	0	<.5	0	0
JULY											
16...	--	--	--	--	--	--	--	--	--	--	--
21...	0	0	0	0	10	50	0	5	<.5	0	0
AUG.											
05...	0	0	0	0	19	140	3	7	<.5	0	10
30...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
10...	0	0	0	0	26	90	2	0	<.5	1	10

TABLE 81--08077540 CLEAR CREEK AT FARM ROAD 2351, AT FRIENDSWOOD, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
MAY										
04...	0910	7.9	.00	.00	.00	.00	.01	.00	.00	.00
JULY										
21...	1410	26	.00	.00	.00	.00	.03	.00	.00	.00
AUG.										
05...	1015	120	.00	.00	.00	.00	.11	.00	.00	.00
SEP.										
10...	1610	790	.00	.00	.00	.00	.05	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY										
04...	.01	.0	.0	.16	.00	.00	.00	.00	.01	.00
JULY										
21...	.00	.1	.0	.48	.00	.00	.00	.00	.28	.00
AUG.										
05...	.00	.3	.0	.07	.00	.00	.00	.00	.37	.00
SEP.										
10...	.00	.1	.0	.01	.00	.00	.00	.00	.29	.00

TABLE 82.--08077620 ARMAND BAYOU NEAR GENOA, TEX.  
(Lat 29°38'02", long 95°06'51")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
MAY												
04...	1130	4.2	21	18	17	200	492	0	29	110	2.0	.73
17...	1210	2.2	20	28	13	180	486	0	31	100	1.9	.61
JUNE												
09...	1225	2.1	18	15	15	200	494	0	27	120	1.3	.62
22...	1200	20	12	25	9.1	73	216	0	26	50	.5	.47
JULY												
15...	1250	2.4	22	16	1.9	200	412	0	22	120	2.1	.56
23...	1210	3.9	13	23	10	96	216	0	27	86	.9	.40
AUG.												
05...	0920	22	11	27	12	19	128	0	22	22	.4	.28
06...	1140	37	9.6	29	4.8	21	114	0	14	20	.2	.56
26...	1235	17	8.1	20	9.3	46	174	0	21	32	.5	.45

DATE	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)
MAY												
04...	.040	15	.00	7.2	660	25	120	0	8.1	1210	7.0	23.5
17...	.030	16	.00	7.8	640	--	120	0	7.1	1190	7.3	24.0
JUNE												
09...	.040	18	.00	12	659	--	100	0	8.7	1260	7.5	27.5
22...	.020	5.0	.2	8.5	309	296	100	0	3.2	587	7.1	27.5
JULY												
15...	1.5	16	.1	9.0	610	--	48	0	13	1170	7.8	28.0
23...	.12	6.0	.00	3.8	370	--	99	0	4.2	663	7.3	28.5
AUG.												
05...	.13	.98	.6	1.0	181	142	120	11	.8	344	7.0	25.5
06...	.040	.54	1.1	.64	160	974	92	0	1.0	267	7.1	24.5
26...	.20	6.8	.3	2.6	234	22	88	0	2.1	458	7.5	27.0

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL. PER 100 ML)	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	OIL AND GREASE (MG/L)
MAY												
04...	50	10	1.6	19	22	5.3	420000	1700	1100	9	.00	--
17...	30	15	1.8	21	51	11	59000	15000	2600	7	.01	0
JUNE												
09...	30	25	3.0	38	62	9.6	200000	1500	2500	0	.03	--
22...	60	120	2.1	26	56	1.9	1500000	7000	19000	1	.02	--
JULY												
15...	70	50	1.8	23	41	11	91000	13000	1800	0	.00	--
23...	60	25	2.0	26	30	5.2	110000	1000	1500	10	.08	20
AUG.												
05...	100	75	2.9	35	34	2.6	1000000	13000	7300	1	.02	10
06...	80	290	6.4	76	63	1.9	1500000	13000	27000	9	.00	--
26...	70	85	2.4	30	30	4.5	1600000	42000	30000	7	.10	--

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
MAY											
04...	0	0	0	0	11	120	0	180	<.5	0	10
17...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
09...	--	--	--	--	--	--	--	--	--	--	--
22...	10	0	0	0	9	140	2	60	<.5	0	20
JULY											
15...	--	--	--	--	--	--	--	--	--	--	--
23...	0	0	0	0	6	140	0	90	<.5	0	0
AUG.											
05...	10	0	0	0	10	90	4	40	<.5	0	10
06...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--

TABLE 82.--08077620 ARMAND BAYOU NEAR GENOA, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	ODE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
MAY 04...	1130	4.2	--	--	--	--	--	--	--	--
JULY 23...	1210	3.9	.00	.00	.00	.00	.02	.00	.00	.00
AUG. 05...	0920	22	.00	.00	.00	.00	.03	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY 04...	--	--	--	.22	.00	.00	.24	.00	.00	.00
JULY 23...	.02	.0	.0	.03	.00	.00	.00	--	--	--
AUG. 05...	.00	.1	.0	.12	.00	.00	.00	.00	.23	.00

TABLE 83.--08077640 DICKINSON BAYOU NEAR ALVIN, TEX.  
(Lat 29°26'09", long 95°10'11")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HC03) (MG/L)	CARBONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)
MAY												
03...	1110	6.9	5.5	68	19	89	192	0	100	120	.8	.47
17...	0910	7.7	4.6	63	20	77	120	0	160	100	.5	.46
JUNE												
09...	0930	13	5.7	60	13	65	194	0	68	80	.4	.27
22...	0945	19	14	50	14	63	172	0	65	78	.4	.56
JULY												
15...	0740	14	14	59	20	79	220	0	40	120	.6	.33
23...	0850	11	12	58	20	69	218	0	38	110	.5	.33
AUG.												
05...	1130	41	14	42	14	43	120	0	62	62	.3	.23
26...	0800	.80	4.4	53	18	77	144	0	69	130	.3	.38
SEP.												
13...	1350	205	16	18	4.2	16	75	0	14	14	.2	.38

DATE	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
MAY												
03...	.060	.22	.4	.15	505	106	250	90	2.5	955	6.7	21.5
17...	.10	1.1	.2	.010	487	--	240	140	2.2	837	7.2	22.5
JUNE												
09...	.090	.20	.2	.16	389	--	200	45	2.0	703	7.3	26.0
22...	.020	.24	.1	.17	370	146	180	43	2.0	668	7.2	26.5
JULY												
15...	.020	.14	.1	.050	447	--	230	46	2.3	798	7.8	27.0
23...	.010	.07	.00	.060	417	--	230	48	2.0	783	7.6	27.0
AUG.												
05...	.030	.08	1.3	.10	302	76	160	66	1.5	550	7.3	25.0
26...	.060	.29	.2	.060	423	70	210	90	2.3	788	7.4	25.0
SEP.												
13...	.000	.10	.1	.34	120	--	62	1	.9	195	6.3	28.5

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM PER 100 ML	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	OIL AND GREASE (MG/L)
MAY												
03...	35	50	7.2	81	11	4.4	9300	3800	480	0	.00	--
17...	30	65	6.8	77	39	4.6	79000	520	540	6	.00	0
JUNE												
09...	40	70	6.3	77	33	2.1	7000	280	2000	0	.00	--
22...	50	60	5.9	72	32	7.5	81000	520	2200	3	.00	60
JULY												
15...	65	55	6.3	78	23	1.0	81000	2100	630	0	.00	--
23...	40	55	6.3	78	25	.9	92000	1400	1200	9	.00	10
AUG.												
05...	80	40	5.7	68	28	1.4	200000	2200	3800	10	.02	40
26...	60	70	3.6	43	14	1.4	68000	1300	2600	3	.00	--
SEP.												
13...	140	15	1.8	23	38	1.8	99000	510	3700	1	.00	10

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
MAY											
03...	0	0	0	0	6	48	0	40	.6	0	0
17...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
09...	--	--	--	--	--	--	--	--	--	--	--
22...	0	0	0	0	4	60	0	0	<.5	0	20
JULY											
15...	--	--	--	--	--	--	--	--	--	--	--
23...	0	0	0	0	3	40	0	0	<.5	0	0
AUG.											
05...	0	0	0	1	3	100	2	4	<.5	1	0
26...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
13...	0	0	0	0	8	190	0	2	<.5	0	20



TABLE 83.--08077640 DICKINSON BAYOU NEAR ALVIN, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
MAY 03...	1110	6.9	.00	.00	.00	.02	.02	.00	.00	.00
JUNE 22...	0945	19	.00	.00	.00	.01	.02	.00	.00	.00
JULY 23...	0850	11	.00	.00	.00	.00	.01	.00	.00	.00
AUG. 05...	1130	41	.00	.00	.00	.00	.01	.00	.00	.00
SEP. 13...	1350	205	.00	.00	.00	.00	.01	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY 03...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00
JUNE 22...	.00	.0	.0	.00	.00	.00	.00	.00	.01	.00
JULY 23...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00
AUG. 05...	.00	.0	.0	.00	.00	.00	.00	.00	.29	.00
SEP. 13...	.00	.0	.0	.00	.00	.00	.00	.00	.02	.00

TABLE 84.--08077680 HIGHLAND BAYOU NEAR ALTO LOMA, TEX.  
(Lat 29°21'59", Long 95°02'56")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HC03) (MG/L)	CARBONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)
MAY												
03...	0930	.36	21	55	21	240	404	0	28	290	.9	.62
17...	1015	.31	16	63	20	200	366	0	34	250	.8	.45
JUNE												
09...	1045	.16	30	40	18	310	416	0	32	340	.6	.49
22...	1030	.40	24	50	15	160	320	0	24	190	.5	.41
JULY												
15...	1140	.10	30	46	26	430	420	0	27	570	.9	.64
22...	1110	.70	20	36	19	370	242	0	41	530	.6	.66
AUG.												
05...	0740	3.8	16	38	7.1	63	167	0	22	76	.4	.23
26...	0950	7.9	9.3	44	6.8	150	130	0	24	240	.3	.51

DATE	NITRITE (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
MAY												
03...	.12	6.4	.6	4.8	862	50	220	0	7.0	1620	7.1	21.0
17...	.72	6.5	.6	3.6	775	--	240	0	5.6	1470	7.5	22.0
JUNE												
09...	.10	3.5	.6	11	974	--	180	0	10	1810	7.5	25.5
22...	.080	5.8	.1	7.2	634	38	190	0	5.1	1230	7.4	26.0
JULY												
15...	.36	5.2	.1	9.2	1350	--	220	0	13	2440	8.1	28.0
22...	.070	7.5	.1	11	1140	--	170	0	12	2130	7.6	27.5
AUG.												
05...	.080	2.0	.1	2.1	308	74	120	0	2.5	586	7.0	24.5
26...	.28	3.2	.8	1.6	553	44	140	32	5.6	1050	7.6	25.0

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	OIL AND GREASE (MG/L)
MAY												
03...	30	30	2.8	31	11	6.6	17000	750	430	0	.00	--
17...	30	35	3.6	41	34	14	98000	2100	2200	2	.01	10
JUNE												
09...	50	25	2.6	31	53	4.2	9300	250	950	1	.02	--
22...	60	50	2.6	32	45	6.0	38000	290	1200	0	.01	--
JULY												
15...	45	65	2.0	25	44	11	23000	2300	900	0	.00	--
22...	70	170	2.9	36	58	17	78000	5800	2100	9	.12	10
AUG.												
05...	80	45	2.4	29	33	2.4	120000	2000	6500	1	.06	10
26...	100	55	3.0	36	36	6.6	580000	6000	9700	1	.10	--

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
MAY											
03...	0	0	0	0	4	49	0	260	.6	0	10
17...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
09...	--	--	--	--	--	--	--	--	--	--	--
22...	0	0	0	0	5	190	0	330	<.5	0	10
JULY											
15...	--	--	--	--	--	--	--	--	--	--	--
22...	10	0	0	0	5	70	0	170	.7	3	0
AUG.											
05...	0	0	0	1	8	70	2	20	<.5	1	0
26...	--	--	--	--	--	--	--	--	--	--	--

TABLE 84--08077680 HIGHLAND BAYOU NEAR ALTO LOMA, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)
MAY 03...	0930	.36	.00	.00	.00	.00	.01	.00	.00	.00
JULY 22...	1110	.70	.00	.00	.00	.00	.01	.00	.00	.00
AUG. 05...	0740	3.8	.00	.00	.00	.00	.01	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR-DANE (UG/L)	TOXA-PHENE (UG/L)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY 03...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.01
JULY 22...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00
AUG. 05...	.00	.0	.0	.02	.00	.00	.00	.09	.18	.00

TABLE 85.--08077800 HALLS BAYOU NEAR ALGOA, TEX.  
(Lat 29°21'26", long 95°10'37")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-SOLVED CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)
MAY 19...	1230	2.6	8.8	51	10	37	168	0	47	38	.8	.23
JUNE 10...	1130	1.6	4.9	65	18	42	184	0	66	74	.4	.20
23...	1230	2.4	9.0	79	14	99	208	0	90	150	.4	.27
JULY 15...	1000	2.9	9.9	62	29	46	224	0	56	94	.4	.23
23...	1000	1.6	11	72	23	94	223	0	84	150	.4	.25
AUG. 05...	0940	1.7	12	46	15	46	180	0	28	71	.4	.21
26...	1245	.03	9.1	74	14	59	248	0	52	78	.3	.26

DATE	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
MAY 19...	.070	.12	2.1	.080	285	--	170	30	1.2	511	7.1	26.5
JUNE 10...	.040	.14	.6	.12	363	--	240	85	1.2	680	7.5	29.0
23...	.000	.11	.00	.16	540	180	260	86	2.7	981	7.6	30.0
JULY 15...	.040	.13	.00	.050	408	--	272	88	1.2	741	7.9	31.0
23...	.010	.09	.00	.030	542	--	270	90	2.5	975	7.6	28.5
AUG. 05...	.020	.10	.2	.070	308	116	180	28	1.5	571	7.2	25.5
26...	.010	.00	.4	.040	410	254	240	41	1.6	737	7.5	29.5

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM PER 100 ML	FECAL COLIFORM PER 100 ML	STREPTOCOCCI (COLONIES PER 100 ML)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	OIL AND GREASE (MG/L)
MAY 19...	40	200	7.3	89	32	2.4	64000	4800	2400	1	.00	--
JUNE 10...	30	120	8.5	109	19	3.1	14000	60	7000	2	.01	--
23...	40	65	8.2	108	25	2.7	50000	500	1200	0	.00	20
JULY 15...	45	65	7.0	93	10	1.1	25000	3900	900	0	.00	--
23...	20	55	7.6	97	16	1.6	31000	120	590	6	.00	30
AUG. 05...	70	50	6.8	82	59	1.2	240000	3500	8300	5	.00	10
26...	30	100	8.5	110	11	.6	14000	390	900	3	.00	--

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
MAY 19...	--	--	--	--	--	--	--	--	--	--	--
JUNE 10...	--	--	--	--	--	--	--	--	--	--	--
23...	0	0	0	0	5	0	0	0	<.5	0	20
JULY 15...	--	--	--	--	--	--	--	--	--	--	--
23...	0	0	0	0	3	10	0	5	<.5	0	0
AUG. 05...	0	0	0	0	4	110	0	14	<.5	2	0
26...	--	--	--	--	--	--	--	--	--	--	--

TABLE 85.--08077800 HALLS BAYOU NEAR ALGOA, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
JUNE 23...	1230	2.4	.00	.00	.00	.00	.00	.00	.00	.00
JULY 23...	1000	1.6	.00	.00	.00	.00	.00	.00	.00	.00
AUG. 05...	0940	1.7	.00	.00	.00	.00	.01	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
JUNE 23...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00
JULY 23...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00
AUG. 05...	.00	.0	.0	.00	.00	.00	.00	.00	.04	.00

TABLE 86.--08077900 MUSTANG BAYOU NEAR LIVERPOOL, TEX.  
(Lat 29°17'36", long 95°11'11")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTERRER 1971

DATE	TIME	DIS- SOLVED CHARGE (CFS)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM PLUS POTAS- SIUM (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)
MAY												
03...	1305	7.5	13	62	18	150	294	0	63	180	.7	.35
19...	1110	8.0	13	75	21	150	288	0	61	210	1.0	.33
25...	1440	22	11	57	14	98	218	0	39	140	.2	.30
JUNE												
10...	1015	6.2	8.8	66	26	110	280	0	52	150	.5	.30
23...	1130	20	14	60	13	120	182	0	58	180	.4	.33
JULY												
16...	1320	6.4	17	64	21	120	280	0	39	170	.6	.30
22...	1545	26	18	60	22	93	246	0	31	150	.5	.38
AUG.												
04...	1340	43	12	43	10	66	154	0	36	90	.3	.30
26...	1115	59	5.6	26	10	49	112	0	16	74	.2	.40
SEP.												
13...	1140	439	10	17	5.0	16	62	0	8.8	26	.1	.30

DATE	NITRITE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITU- ENTS) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPECI- FIC CONO- UCTANCE (MICRO- MHOS)	PH (UNITS)	TEMP- ERATURE (DEG C)
MAY												
03...	.19	.16	.7	1.2	634	83	230	0	4.3	1200	6.9	25.5
19...	.28	.29	.5	2.4	676	--	270	36	3.9	1250	7.4	25.5
25...	.33	.54	.9	1.3	466	--	200	22	3.0	886	7.6	28.5
JUNE												
10...	.29	.70	.2	1.4	554	--	270	40	2.9	1040	7.3	28.0
23...	.30	.96	.5	1.0	546	146	200	52	3.7	1000	7.3	29.0
JULY												
16...	.090	.19	.2	1.0	570	--	240	14	3.3	1030	7.9	30.5
22...	.050	.29	.1	.70	493	--	240	40	2.6	920	7.6	31.0
AUG.												
04...	.060	.25	.3	.60	335	262	150	24	2.4	622	7.2	25.0
26...	.080	.69	.5	1.1	239	160	110	16	2.1	448	7.5	26.0
SEP.												
13...	.000	.10	.2	.23	114	--	63	12	.9	207	6.8	28.0

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	PHENOLS (UG/L)	METHY- LENE BLUE ACTIVE SUR- STANCE (MG/L)	OIL AND GREASE (MG/L)
MAY												
03...	30	50	7.6	92	2	5.7	17000	3000	56	0	.00	--
19...	20	10	6.5	78	35	6.9	50000	2000	92	0	.00	--
25...	30	45	7.5	96	29	.1	79000	4800	1	0	.00	20
JUNE												
10...	20	55	4.0	51	34	5.1	17000	1	50	0	.01	--
23...	60	65	4.6	59	36	3.0	55000	390	110	2	.00	10
JULY												
16...	35	45	7.8	103	15	3.2	98000	190	250	0	.00	--
22...	--	85	5.7	76	28	2.1	44000	1400	750	2	.02	20
AUG.												
04...	60	110	5.1	61	31	1.0	250000	11000	4200	1	.04	10
26...	110	85	3.8	46	20	4.7	700000	12000	78000	8	.00	--
SEP.												
13...	260	60	4.3	54	31	.9	380000	1600	2400	4	.00	20

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED LEAD (PR) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY											
03...	0	1	16	0	16	120	3	130	.5	0	90
19...	--	--	--	--	--	--	--	--	--	--	--
25...	0	0	0	0	6	37	0	40	<.5	0	30
JUNE											
10...	--	--	--	--	--	--	--	--	--	--	--
23...	10	0	0	0	4	30	0	130	<.5	0	20
JULY											
16...	--	--	--	--	--	--	--	--	--	--	--
22...	0	0	0	0	4	20	0	70	.6	5	10
AUG.											
04...	0	0	0	0	6	70	2	60	<.5	1	20
26...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
13...	0	0	0	0	6	480	0	0	<.5	3	20

TABLE 86.--08077900 MUSTANG BAYOU NEAR LIVERPOOL, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
MAY										
03...	1305	7.5	.00	.00	.00	.00	.00	.00	.00	.00
25...	1440	22	.00	.00	.00	.00	.01	.00	.00	.00
JUNE										
23...	1130	20	.00	.00	.00	.00	.01	.00	.00	.00
JULY										
22...	1545	26	.00	.00	.00	.00	.01	.00	.00	.00
AUG.										
04...	1340	43	.00	.00	.00	.00	.02	.00	.00	.00
SEP.										
11...	1615	1120	.00	.00	.00	.00	.01	.00	.00	.00
13...	1140	439	.00	.00	.00	.00	.01	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY										
03...	.01	.0	.0	.00	.00	.00	.00	.00	.04	.00
25...	.00	.0	.0	.08	.00	.00	.00	.00	.07	.00
JUNE										
23...	.00	.0	.0	.05	.00	.00	.00	.00	.02	.00
JULY										
22...	.00	.0	.0	.01	.00	.00	.00	.00	.00	.00
AUG.										
04...	.00	.0	.0	.00	.00	.00	.00	.00	.05	.00
SEP.										
11...	.00	.0	.0	.00	.00	.00	.00	.00	.02	.00
13...	.00	.0	.0	.00	.00	.00	.00	.00	.01	.00

TABLE 87.--08078000 CHOCOLATE BAYOU NEAR ALVIN, TEX.  
(Lat 29°22'19", long 95°19'14")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE- SIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS- SIUM (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)
MAY												
03...	0950	37	8.7	72	18	97	170	0	130	130	.8	.49
19...	1000	23	7.6	63	20	77	194	0	96	100	1.1	.38
JUNE												
10...	0715	38	6.3	61	18	77	194	0	83	100	.4	.32
23...	0730	165	16	53	17	64	184	0	52	96	.3	.41
JULY												
15...	0955	50	17	62	16	88	238	0	40	120	.6	.25
22...	1300	110	17	63	20	79	236	0	36	130	.6	.32
AUG.												
04...	0845	250	15	47	16	53	154	0	47	86	.3	.22
26...	0715	8.2	12	50	16	81	154	0	73	120	.4	.56

DATE	NITRITE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)	TEMP- ERATURE (DEG C)
MAY												
03...	.12	.94	1.3	.11	550	69	250	110	2.6	977	7.7	24.5
19...	.050	.06	.6	.000	465	--	240	81	2.2	841	7.8	26.0
JUNE												
10...	.020	.07	.00	.11	445	--	220	65	2.2	824	6.9	28.0
23...	.010	.16	.1	.18	389	230	200	49	2.0	728	7.5	25.0
JULY												
15...	.020	.10	.1	.040	465	--	220	25	2.6	824	8.1	29.0
22...	.010	.14	.00	.040	459	--	240	46	2.2	855	7.9	29.0
AUG.												
04...	.010	.06	.1	.10	341	122	180	58	1.7	624	7.3	25.0
26...	.010	.00	.1	.20	425	156	190	64	2.6	732	7.7	24.0

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	PHENOLS (UG/L)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)	OIL AND GREASE (MG/L)
MAY												
03...	40	40	7.8	93	29	5.9	3200000	120	94	0	.00	--
19...	30	55	8.0	98	37	3.3	60000	140	170	4	.00	--
JUNE												
10...	20	90	4.5	57	33	5.1	72000	200	340	0	.01	--
23...	70	95	7.0	83	40	1.9	74000	880	1400	1	.00	0
JULY												
15...	55	45	7.0	90	23	1.3	75000	8000	310	2	.00	--
22...	40	90	5.2	67	24	1.2	50000	1200	800	3	.00	10
AUG.												
04...	80	55	7.2	86	31	1.2	180000	1500	1900	3	.02	20
26...	70	65	6.6	78	44	9.3	2600000	5700	24000	6	.03	--

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY											
03...	0	0	15	0	7	38	0	40	.5	0	10
19...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
10...	--	--	--	--	--	--	--	--	--	--	--
23...	0	0	0	0	4	30	0	10	<.5	0	10
JULY											
15...	--	--	--	--	--	--	--	--	--	--	--
22...	0	0	0	0	5	30	0	1	.8	0	0
AUG.											
04...	0	0	0	0	27	140	3	1	<.5	4	30
26...	--	--	--	--	--	--	--	--	--	--	--



TABLE 87.--08078000 CHOCOLATE BAYOU NEAR ALVIN, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
MAY										
03...	0950	37	.00	.00	.00	.00	.03	.00	.00	.00
JUNE										
23...	0730	165	.00	.00	.00	.00	.03	.00	.00	.00
JULY										
22...	1300	110	.00	.00	.00	.00	.03	.00	.00	.00
AUG.										
04...	0845	250	.00	.00	.00	.00	.02	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY										
03...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00
JUNE										
23...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.01
JULY										
22...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00
AUG.										
04...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00

TABLE 88.--08078400 AUSTIN BAYOU NEAR LIVERPOOL, TEX.  
(Lat 29°18'51", Long 95°19'53")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HC03) (MG/L)	CARBONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)
MAY												
03...	1105	13	6.5	67	19	89	158	0	120	130	.6	.54
19...	0900	18	7.1	57	21	59	156	0	92	92	.8	.00
25...	1210	31	9.1	51	20	37	132	0	73	74	.8	.52
JUNE												
10...	0805	3.2	4.9	61	17	62	192	0	76	83	.4	.22
23...	0900	39	15	62	19	68	202	0	64	100	.3	.40
JULY												
16...	1025	29	16	63	19	74	228	0	30	130	.5	.28
22...	1420	26	15	62	21	77	224	0	36	130	.5	.32
AUG.												
04...	0945	64	15	57	18	88	170	0	59	150	.3	.25
26...	0850	22	13	53	17	46	142	0	91	76	.2	.50
SEP.												
13...	1055	860	16	16	5.1	14	63	0	16	16	.2	.33

DATE	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
MAY												
03...	.20	.78	1.8	.11	518	62	240	110	2.5	972	7.3	23.0
19...	.050	.05	.4	.010	408	--	230	100	1.7	737	7.4	24.0
25...	.080	.59	.5	.010	333	--	210	100	1.1	621	7.4	24.0
JUNE												
10...	.070	.09	.8	.090	402	--	220	62	1.8	748	7.2	26.0
23...	.020	.18	.2	.13	432	218	230	66	1.9	784	7.5	26.0
JULY												
16...	.020	.11	.1	.030	441	--	230	47	2.1	816	7.9	28.0
22...	.010	.12	.00	.030	454	--	240	56	2.2	844	7.9	29.0
AUG.												
04...	.010	.14	.00	.11	468	98	220	78	2.6	830	7.4	25.0
26...	.040	5.0	.6	.090	375	152	200	86	1.4	666	7.6	25.5
SEP.												
13...	.000	.14	.1	.17	115	--	61	9	.8	194	6.2	28.5

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	OIL AND GREASE (MG/L)
MAY												
03...	45	40	6.6	76	26	5.1	14000	130	140	0	.00	--
19...	35	60	7.0	82	39	3.3	260000	520	560	1	.00	--
25...	40	70	6.2	73	38	.1	200000	6400	1400	4	.00	10
JUNE												
10...	30	40	4.8	59	27	2.5	11000	180	800	1	.01	--
23...	60	85	6.4	78	40	1.8	15000	360	670	4	.00	10
JULY												
16...	55	45	6.3	80	16	1.2	81000	200	500	0	.00	--
22...	40	60	6.4	82	25	.9	26000	900	570	6	.00	10
AUG.												
04...	70	45	6.0	71	31	1.4	100000	920	1800	1	.02	10
26...	65	85	5.6	67	26	4.0	410000	4100	7900	3	.00	--
SEP.												
13...	120	15	2.0	26	27	.3	230000	500	1200	9	.00	50

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
MAY											
03...	0	0	0	0	5	45	0	50	<.5	0	10
19...	--	--	--	--	--	--	--	--	--	--	--
25...	0	0	0	3	10	57	4	0	<.5	0	30
JUNE											
10...	--	--	--	--	--	--	--	--	--	--	--
23...	0	0	0	0	4	40	0	0	<.5	0	10
JULY											
16...	--	--	--	--	--	--	--	--	--	--	--
22...	0	0	0	0	2	40	0	2	<.5	0	0
AUG.											
04...	0	0	0	0	3	50	0	1	<.5	1	0
26...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
13...	0	0	0	0	7	170	0	0	<.5	0	20

TABLE 88.--08078400 AUSTIN BAYOU NEAR LIVERPOOL, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DOD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
MAY										
03...	1105	13	.00	.00	.00	.00	.02	.00	.00	.00
25...	1210	31	.00	.00	.00	.00	.02	.00	.00	.00
JUNE										
23...	0900	39	.00	.00	.00	.00	.02	.00	.00	.00
JULY										
22...	1420	26	.00	.00	.00	.00	.00	.00	.00	.00
AUG.										
04...	0945	64	.00	.00	.00	.00	.01	.00	.00	.00
SEP.										
11...	1500	880	.00	.00	.00	.00	.01	.00	.00	.00
13...	1055	860	.00	.00	.00	.00	.01	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY										
03...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00
25...	.00	.0	.0	.00	.00	.00	.00	.00	.02	.00
JUNE										
23...	.00	.0	.0	.00	.00	.00	.00	.00	.02	.00
JULY										
22...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00
AUG.										
04...	.00	.0	.0	.00	.00	.00	.00	.00	.06	.00
SEP.										
11...	.00	.0	.0	.00	.00	.00	.00	.00	.03	.00
13...	.00	.0	.0	.00	.00	.00	.00	.00	.03	.00

TABLE 89.--08078700 FLORES BAYOU NEAR DANBURY, TEX.  
(Lat 29°12'56", Long 95°21'32")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- SOLVED CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM PLUS POTAS- SIUM (MG/L)	BICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)
MAY												
03...	1310	.46	2.6	62	19	88	112	0	140	130	.5	.47
19...	0805	2.2	6.0	63	21	49	168	0	87	84	.8	.41
JUNE												
10...	0905	1.2	4.6	63	17	73	200	0	81	96	.3	.30
23...	1000	2.2	9.0	58	18	64	208	0	45	100	.4	.30
JULY												
16...	1110	3.5	14	60	17	91	220	0	25	150	.6	.31
21...	1120	.44	12	57	19	110	234	0	43	160	.5	.41
AUG.												
04...	1130	16	16	64	18	91	150	0	93	150	.3	.24
26...	0945	13	11	35	13	23	91	0	60	39	.0	.50
SEP.												
13...	1005	288	16	19	5.5	17	71	0	20	19	.2	.43

DATE	NITRITE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)	TEMP- ERATURE (DEG C)
MAY												
03...	.050	.26	.2	.12	500	45	230	140	2.5	946	8.4	30.5
19...	.10	.34	.3	.020	396	--	240	110	1.4	720	7.2	23.0
JUNE												
10...	.080	.22	.1	.070	434	--	230	64	2.1	788	7.7	26.5
23...	.020	.27	.00	.34	397	100	220	50	1.9	764	7.6	26.0
JULY												
16...	.030	.17	.1	.14	465	--	220	38	2.7	851	7.9	30.0
21...	.14	.75	.2	1.8	514	--	220	28	3.2	932	7.8	30.5
AUG.												
04...	.030	.17	.1	.16	507	188	230	110	2.6	921	7.2	25.0
26...	.18	.81	.5	.45	230	60	140	65	.8	420	7.4	25.0
SEP.												
13...	.000	.12	.1	.27	132	--	70	12	.9	226	6.6	28.0

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	PHENOLS (UG/L)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)	OIL AND GREASE (MG/L)
MAY												
03...	30	35	15.2	200	16	5.5	11000	72	51	0	.00	--
19...	30	90	6.3	72	41	4.3	98000	560	430	3	.00	--
JUNE												
10...	20	55	7.6	93	30	4.5	48000	250	1000	2	.01	--
23...	60	60	6.4	78	39	2.4	36000	350	520	6	.00	0
JULY												
16...	55	75	6.2	82	21	2.1	55000	1100	1000	0	.00	--
21...	40	80	8.4	111	19	2.1	23000	2300	230	4	.04	10
AUG.												
04...	80	95	5.2	62	51	2.1	200000	3500	4000	3	.00	10
26...	120	40	4.6	55	33	3.0	660000	5800	9800	7	.00	--
SEP.												
13...	110	30	1.7	22	35	1.2	400000	550	2400	5	.00	20

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY											
03...	0	0	3	0	15	74	5	70	<.5	0	80
19...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
10...	--	--	--	--	--	--	--	--	--	--	--
23...	0	0	0	0	3	50	0	20	<.5	0	20
JULY											
16...	--	--	--	--	--	--	--	--	--	--	--
21...	0	0	0	0	3	10	0	50	<.5	0	0
AUG.											
04...	0	0	0	0	4	40	2	4	<.5	2	10
26...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
13...	0	0	0	0	32	210	2	1	<.5	3	50

TABLE 89.--08078700 FLORES BAYOU NEAR DANBURY, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
MAY 03...	1310	.46	.00	.00	.00	.00	.02	.00	.00	.00
JUNE 23...	1000	2.2	--	--	--	--	--	--	--	--
JULY 21...	1120	.44	.00	.00	.00	.00	.01	.00	.00	.00
AUG 04...	1130	16	.00	.00	.00	.00	.01	.00	.00	.00
SEP. 11...	1330	612	.00	.00	.00	.00	.01	.00	.00	.00
13...	1005	288	.00	.00	.00	.00	.01	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAY 03...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00
JUNE 23...	--	--	--	.00	.00	.00	.00	.00	.00	.00
JULY 21...	.00	.0	.0	.11	.00	.00	.00	.00	.00	.00
AUG 04...	.00	.0	.0	.00	.00	.00	.00	.00	.09	.00
SEP. 11...	.00	.0	.0	.00	.00	.00	.00	.00	.03	.00
13...	.00	.0	.0	.00	.00	.00	.00	.03	.01	.00

TABLE 90.--08084000 CLEAR FORK BRAZOS RIVER AT NUGENT, TEX.  
(Lat 32°41'24", long 99°40'09")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
JAN. 06...	0840	8.7	8.6	460	160	770	--	6.5	288
FEB. 12...	1820	8.0	5.2	440	160	--	750	--	246
MAR. 29...	1820	5.2	2.6	400	170	--	700	--	210
MAY 17...	1850	4.5	9.4	430	160	--	720	--	228
JULY 19...	0910	.10	22	150	82	--	230	--	200
SEP. 13...	1820	59	17	400	140	--	600	--	252

DATE	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
JAN. 06...	0	1700	1100	.6	.020	.01	4.5	.030	4340
FEB. 12...	0	1600	1000	.5	.040	.04	4.6	.020	4150
MAR. 29...	0	1500	1000	.6	.010	.12	1.0	.040	3910
MAY 17...	0	1600	1000	.4	.020	.22	.5	.080	4070
JULY 19...	0	420	420	.3	.000	.00	.1	.15	1420
SEP. 13...	0	1500	810	.5	.000	.08	2.4	.060	3590

DATE	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND (MG/L)
JAN. 06...	1800	1600	7.9	6060	8.1	2.0	12.7	93	1.0
FEB. 12...	1700	1500	7.8	5840	8.0	12.5	14.0	132	1.4
MAR. 29...	1700	1500	7.4	5510	8.0	17.0	14.9	155	1.8
MAY 17...	1800	1600	7.5	5670	8.0	24.0	9.7	115	3.8
JULY 19...	710	550	3.8	2290	7.0	27.0	.6	7	6.4
SEP. 13...	1600	1400	6.6	4950	7.8	26.5	8.8	107	2.3

TABLE 91. 08084100 DEADMAN CREEK NEAR NUGENT, TEX.  
(Lat 32°40'36", long 99°37'00")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971.

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HC03) (MG/L)
OCT.									
28...	1456	3.8	12	80	37	--	220	--	238
DEC.									
09...	1406	3.8	9.3	90	41	--	260	--	272
JAN., 1971									
06...	0800	4.6	12	82	110	--	160	--	280
12...	1305	4.5	8.5	60	37	--	250	--	204
FEB.									
16...	1745	2.0	8.9	66	35	230	--	21	257
17...	1130	1.5	9.4	54	33	--	260	--	188
MAR.									
29...	1740	6.8	9.6	94	49	--	340	--	286
APR.									
29...	0910	4.3	21	100	48	--	260	--	268
MAY									
17...	1800	3.7	18	88	49	--	300	--	278
JUNE									
03...	0825	12	24	80	22	--	140	--	174
JULY									
19...	0830	2.2	17	66	34	--	260	--	232
AUG.									
16...	1530	--	11	42	12	--	92	--	132
SEPT.									
13...	1730	7.4	14	58	26	190	--	19	160
21...	1430	17	5.2	62	28	--	220	--	156

DATE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
OCT.									
28...	0	190	310	.7	--	--	1.0	--	971
DEC.									
09...	0	240	340	.6	--	--	3.8	--	1140
JAN., 1971									
06...	0	270	330	.7	.040	.00	4.0	12	1110
12...	0	240	290	.2	--	--	8.0	--	1030
FEB.									
16...	0	240	280	.8	.60	7.9	2.3	13	1020
17...	0	240	280	.5	--	--	11	--	1000
MAR.									
29...	0	330	430	.8	.040	.00	.3	3.4	1390
APR.									
29...	0	230	370	.5	--	--	5.2	--	1200
MAY									
17...	0	260	400	.6	.040	.42	.6	3.6	1250
JUNE									
03...	0	130	200	.4	--	--	6.0	--	705
JULY									
19...	0	200	330	.7	.12	.00	1.4	6.5	1030
AUG.									
16...	0	72	120	.2	--	--	2.2	--	420
SEPT.									
13...	0	190	230	.8	1.3	1.9	4.5	8.0	836
21...	0	170	250	.7	--	--	9.3	--	--

TABLE 91. 08084100 DEADMAN CREEK NEAR NUGENT, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)	TEMP- ERATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)
OCT.									
28...	350	160	5.1	1700	7.5	19.0	--	--	--
DEC.									
09...	390	170	5.7	1930	7.7	17.0	--	--	--
JAN., 1971									
06...	640	410	2.7	1930	8.3	.0	13.0	89	3.2
12...	300	130	6.3	1730	7.9	7.0	--	--	--
FEB.									
16...	310	98	5.7	1710	8.3	17.0	12.8	132	11
17...	270	120	6.9	1670	7.9	13.0	--	--	--
MAR.									
29...	440	200	7.1	2320	9.0	20.0	15.4	167	20
APR.									
29...	440	230	5.3	2040	7.6	19.5	--	--	--
MAY									
17...	420	190	6.4	2190	8.8	26.0	11.2	137	19
JUNE									
03...	290	150	3.6	1230	8.0	25.0	--	--	--
JULY									
19...	300	110	6.5	1790	7.6	26.0	4.0	49	3.7
AUG.									
16...	150	46	3.2	754	7.3	29.0	--	--	--
SEP.									
13...	250	120	5.2	1420	7.6	30.0	6.9	91	13
21...	270	92	5.8	1460	--	20.5	--	--	--



TABLE 92. 08087300 CLEAR FORK BRAZOS RIVER AT ELIASVILLE, TEX.  
(Lat 32°57'36", long 98°45'59')

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
JAN. 28...	2200	6.2	.00	<.2	.00	<.2	.00	.3	.00	<.2
JUNE 08...	1900	70	.00	<.2	.00	.4	.00	1.0	.00	<.2

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM DE-POSITS (UG/KG)	LINDANE (UG/L)
JAN. 28...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
JUNE 08...	.00	1.6	.00	<.2	.00	<.2	.00	<.2	.00

DATE	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL-PARA-THION (UG/L)	METHYL-PARA-THION IN BOTTOM DE-POSITS (UG/KG)	PARA-THION (UG/L)
JAN. 28...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
JUNE 08...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00

DATE	PARA-THION IN BOTTOM DE-POSITS (UG/KG)	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
JAN. 28...	<.2	.0	<10	.00	<9.4	.03	<1.2	.00	<.8
JUNE 08...	<.2	.0	<10	.00	<4.2	.08	<1.2	.00	<1.2

TABLE 93.--08088000 BRAZOS RIVER NEAR SOUTH BEND, TEX.  
(Lat 33°01'30", long 98°38'50")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
OCT. 12...	1430	5.8	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JAN. 28...	2115	13	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JUNE 08...	1810	428	.00	<.2	.00	<.2	.00	<.2	.00	<.2

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOT-TOM DE-POSITS (UG/KG)	LINDANE (UG/L)
OCT. 12...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
JAN. 28...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
JUNE 08...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00

DATE	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL-PARA-THION (UG/L)	METHYL-PARA-THION IN BOT-TOM DE-POSITS (UG/KG)	PARA-THION (UG/L)
OCT. 12...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
JAN. 28...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
JUNE 08...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00

DATE	PARA-THION IN BOTTOM DE-POSITS (UG/KG)	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
OCT. 12...	<.2	.0	<10	.00	<1.8	.01	<.4	.00	<.2
JAN. 28...	<.2	.0	<10	.00	<8.6	.00	<.9	.00	<.8
JUNE 08...	<.2	.0	<10	.00	<1.5	.00	<.4	.00	<.4

TABLE 94.--08092000 NOLAN RIVER AT BLUM, TEX.  
(Lat 32°09'02", long 97°24'10")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)
OCT.									
22...	1230	2.9	9.0	58	3.7	37	218	0	29
DEC.									
11...	1045	5.2	7.0	84	5.0	70	340	0	49
JAN., 1971									
30...	1600	5.8	6.9	62	9.1	76	294	0	54
APR.									
24...	1900	13	8.3	58	3.8	55	212	0	41
JUNE									
24...	1130	6.4	6.5	56	6.0	65	264	0	35
AUG.									
26...	1805	4.0	6.8	43	4.1	49	200	0	31

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA, MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)
OCT.									
22...	21	.7	.010	.00	.3	.81	267	160	0
DEC.									
11...	36	--	.13	.58	1.1	.87	424	230	0
JAN., 1971									
30...	38	.7	.030	.09	1.8	.41	399	190	0
APR.									
24...	42	.4	.21	.57	1.5	.84	321	160	0
JUNE									
24...	37	.6	.000	.27	.00	1.2	336	160	0
AUG.									
26...	23	.5	.010	.13	.1	1.4	256	120	0

DATE	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	METH-YLENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT.								
22...	1.3	431	8.7	23.0	15.2	175	2.5	--
DEC.								
11...	2.0	714	7.5	8.5	10.3	87	1.2	--
JAN., 1971								
30...	2.4	672	8.6	19.5	16.6	178	3.1	--
APR.								
24...	1.9	500	7.8	24.0	8.0	94	4.3	--
JUNE								
24...	2.2	578	8.4	30.0	10.5	138	5.9	--
AUG.								
26...	1.9	432	8.9	31.0	13.2	176	2.1	.16

TABLE 95.--08093500 AQUILLA CREEK NEAR AQUILLA, TEX.  
(Lat 31°50'40", long 97°12'06")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)
OCT.									
22...	1330	3.9	4.9	76	5.0	67	206	0	140
DEC.									
11...	1120	4.0	5.6	130	8.6	140	396	0	240
JAN., 1971									
30...	1650	4.0	6.9	130	11	170	404	0	300
APR.									
24...	1807	15	11	120	7.4	59	304	0	210
JUNE									
24...	1355	5.1	9.8	130	12	210	416	0	340
AUG.									
26...	1700	24	6.7	43	1.6	13	131	0	26

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)
OCT.									
22...	25	.9	.020	.00	1.1	.11	425	210	41
DEC.									
11...	54	1.2	.020	.03	.3	.27	776	350	26
JAN., 1971									
30...	60	1.7	.060	.14	1.9	3.2	887	360	29
APR.									
24...	27	.6	.11	.16	.00	.19	598	380	130
JUNE									
24...	86	.9	.020	.00	.5	.11	992	370	30
AUG.									
26...	4.6	.3	.030	.25	.6	1.3	162	110	7

DATE	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT.								
22...	2.0	677	7.5	20.0	7.3	79	2.7	--
DEC.								
11...	3.2	1150	7.5	13.0	8.4	79	5.3	--
JAN., 1971								
30...	3.8	1310	7.9	15.0	11.8	116	2.1	--
APR.								
24...	1.4	958	7.6	21.5	7.6	85	2.3	--
JUNE								
24...	4.7	1440	8.0	30.0	7.4	97	4.2	--
AUG.								
26...	.5	238	7.7	26.5	5.1	62	5.4	.00

TABLE 96.--08096500 BRAZOS RIVER AT WACO, TEX.  
(Lat 31°32'06", long 97°04'22")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
OCT.									
22...	1430	97	7.2	74	13	100	180	0	94
DEC.									
11...	1330	163	4.7	88	15	110	228	0	100
JAN., 1971									
30...	1750	75	3.1	84	17	130	196	0	120
APR.									
24...	1700	154	5.9	70	7.2	68	168	0	88
JUNE									
24...	1515	275	6.5	68	20	140	152	0	120
AUG.									
26...	1615	1230	8.0	46	4.7	23	144	0	33

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
OCT.									
22...	150	.4	.020	.12	.3	.10	529	240	92
DEC.									
11...	160	.4	.010	.10	.3	.000	591	280	93
JAN., 1971									
30...	200	.3	.010	.06	.2	.040	658	280	120
APR.									
24...	86	.4	.060	.18	.00	.030	409	200	66
JUNE									
24...	210	.4	.010	.00	.1	.060	641	250	130
AUG.									
26...	22	.3	.010	.07	.4	.090	210	130	16

DATE	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
OCT.								
22...	2.8	914	7.6	20.0	6.7	73	3.4	--
DEC.								
11...	2.9	1020	8.2	14.0	9.6	92	2.6	--
JAN., 1971								
30...	3.4	1130	8.2	16.0	11.2	112	2.0	--
APR.								
24...	2.1	700	7.6	22.5	7.4	84	2.2	--
JUNE								
24...	3.8	1120	8.1	32.0	5.0	68	2.2	--
AUG.								
26...	.9	363	7.7	28.0	6.6	84	1.0	.09

TABLE 96.--08096500 BRAZOS RIVER AT WACO, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
DEC. 11...	1330	163	.00	.00	.00	.00	.00	.00	.00	.00
JAN. 30...	1750	75	.00	.00	.00	.00	.00	.00	.00	.00
JUNE 24...	1515	275	.00	.00	.00	.00	.00	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	TOX- APHENE (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
DEC. 11...	.00	.0	.00	.00	.00	.00	.0	.00	.00	.00
JAN. 30...	.00	.0	.00	.00	.00	.00	.0	.00	.00	.00
JUNE 24...	.00	.0	.00	.00	.00	.00	.0	.00	.00	.00

TABLE 97.--08098290 BRAZOS RIVER NEAR HIGHBANK, TEX.  
(Lat 31°08'02", long 96°49'29")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)
OCT.									
19...	1100	205	7.9	67	9.7	81	174	0	98
DEC.									
07...	1100	152	1.6	78	19	130	215	0	120
FEB., 1971									
22...	1140	225	4.9	92	21	130	292	0	140
APR.									
24...	1530	268	9.6	58	5.4	37	143	0	65
JUNE									
19...	1430	142	6.8	75	16	170	180	0	130
AUG.									
20...	1400	678	9.9	52	5.7	30	150	0	44

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)
OCT.									
19...	70	.4	.46	.040	.00	1.1	.36	425	210
DEC.									
07...	180	.4	1.0	.000	.00	.1	.18	635	270
FEB., 1971									
22...	150	.3	--	.000	.00	.00	.48	680	320
APR.									
24...	40	.4	--	.13	.00	1.3	.30	292	170
JUNE									
19...	240	.3	--	.000	.00	.1	.10	722	250
AUG.									
20...	34	.2	--	.010	.00	.1	.14	250	150

DATE	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND (MG/L)
OCT.								
19...	64	2.4	693	7.6	17.0	9.4	97	2.1
DEC.								
07...	96	3.4	1110	7.3	14.0	12.1	116	5.5
FEB., 1971								
22...	76	3.2	1120	8.5	9.0	11.1	96	6.5
APR.								
24...	50	1.2	499	8.2	27.0	10.6	131	4.2
JUNE								
19...	110	4.6	1210	8.2	31.0	9.9	132	18
AUG.								
20...	30	1.1	426	8.7	31.0	9.9	132	4.3

TABLE 98.--08103900 SOUTH FORK ROCKY CREEK NEAR BRIGGS, TEX.  
(Lat 30°54'41", long 98°02'12")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM PLUS POTAS- SIUM (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
JULY 27...	1030	11	7.2	30	5.0	1.2	3.8	110	0	6.8	2.6

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL NITRITE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)
JULY 27...	.2	.000	.14	.3	.080	45	112	95	5	.1	199

DATE	PH (UNITS)	TEMP- ERATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	DIS- SOLVED ALUM- INUM (AL) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)
JULY 27...	7.9	24.0	7.0	82	3.5	510000	40	10	0	0

DATE	DIS- SOLVED COBALT (CO) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED LITHIUM (LI) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	DIS- SOLVED STRON- TIUM (SR) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
JULY 27...	0	4	40	0	0	2	.6	4	460	0

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE- POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE- POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE- POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE- POSITS (UG/KG)	DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM DE- POSITS (UG/KG)
JULY 27...	1030	11	.00	<.2	.00	<.2	.00	.5	.00	<.2	.00	<.2

DATE	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE- POSITS (UG/KG)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM DE- POSITS (UG/KG)	HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM DE- POSITS (UG/KG)	LINDANE (UG/L)	LINDANE IN BOTTOM DE- POSITS (UG/KG)	CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM DE- POSITS (UG/KG)	DI- AZINON (UG/L)
JULY 27...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.0	<1.0	.00

DATE	MALA- THION (UG/L)	MALA- THION IN BOTTOM DE- POSITS (UG/KG)	METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM DE- POSITS (UG/KG)	PARA- THION (UG/L)	PARA- THION IN BOT- TOM DE- POSITS (UG/KG)	TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM DE- POSITS (UG/KG)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
JULY 27...	.00	<.2	.00	<.2	.00	<.2	.0	<10	.00	.00	.00



TABLE 99.--08106500 LITTLE RIVER AT CAMERON, TEX.  
(Lat 30°49'53", long 96°57'01")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)
OCT.									
19...	1000	131	10	75	15	42	266	0	45
DEC.									
07...	0930	155	7.5	87	17	48	312	0	50
FEB., 1971									
22...	1015	165	5.7	40	17	91	274	0	52
APR.									
24...	1615	70	10	64	10	43	200	0	49
JUNE									
19...	1700	802	7.6	51	12	39	178	0	37
AUG.									
20...	1830	510	7.8	46	8.8	28	152	0	32

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)
OCT.									
19...	48	.3	.52	.010	.00	1.8	.44	374	250
DEC.									
07...	55	.6	.58	.090	.00	1.1	.56	423	290
FEB., 1971									
22...	58	.4	--	.020	.00	2.1	.70	408	170
APR.									
24...	52	.4	--	.050	.00	1.2	.43	332	200
JUNE									
19...	53	.3	--	.000	.02	.3	.20	289	180
AUG.									
20...	37	.2	--	.000	.00	.5	.20	237	150

DATE	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	DIS-SOLVED MERCURY (UG/L)
OCT.									
19...	30	1.2	637	7.7	16.0	8.1	81	1.2	--
DEC.									
07...	32	1.2	728	7.6	16.0	8.0	80	2.4	--
FEB., 1971									
22...	0	3.0	699	7.9	15.0	8.4	82	1.7	--
APR.									
24...	36	1.3	574	7.7	24.0	7.1	84	2.5	--
JUNE									
19...	30	1.3	525	7.8	28.0	7.0	89	5.3	--
AUG.									
20...	26	1.0	409	8.1	29.0	7.3	94	1.5	--

TABLE 100.--08114000 BRAZOS RIVER AT RICHMOND, TEX.  
(Lat 29°34'58", long 95°45'27")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
NOV. 03...	1315	4320	9.0	30	4.4	18	98	0	22	19	.2	.45
DEC. 18...	1620	765	7.7	86	19	79	302	0	71	100	.2	.20
FEB. 17...	1500	599	3.6	79	16	84	260	0	72	110	.2	.32
APR. 07...	1330	507	5.3	64	20	43	244	0	37	69	.2	.50
JUNE 16...	1315	907	5.0	42	12	44	128	0	55	61	.3	.31
AUG. 18...	1445	1590	3.5	52	3.5	34	150	0	44	35	.3	.21

DATE	TOTAL NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)
NOV. 03...	.010	.14	.6	.28	150	568	94	93	13	0.8	267	6.6
DEC. 18...	.000	.06	.00	.080	513	20	8	290	46	2.0	907	7.9
FEB. 17...	.000	1.1	.00	.15	498	16	0	260	51	2.3	852	7.9
APR. 07...	.000	.01	.00	.13	359	21	17	240	42	1.2	674	7.8
JUNE 16...	.000	.02	.00	.10	282	42	6	160	51	1.5	526	7.9
AUG. 18...	.020	.24	.00	.16	247	124	40	140	21	1.2	433	7.3

DATE	TEMP-ERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)
NOV. 03...	17.5	220	240	5.2	54	25	1.4	0	.00	200	0	0
DEC. 18...	18.0	10	10	9.6	101	11	7.2	0	.01	--	--	--
FEB. 17...	20.0	5	10	7.9	86	18	4.6	0	.01	0	0	1
APR. 07...	18.5	5	15	14.8	160	12	4.1	0	.00	--	--	--
JUNE 16...	31.0	50	35	8.0	107	48	2.5	8	.00	20	0	0
AUG. 18...	32.0	25	100	8.0	108	17	4.4	0	.00	20	10	0

DATE	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
NOV. 03...	0	0	3	17	0	0	2	<.5	6	140	0
DEC. 18...	--	--	--	--	--	--	--	--	--	--	--
FEB. 17...	0	0	0	6	0	30	11	.6	0	690	4
APR. 07...	--	--	--	--	--	--	--	--	--	--	--
JUNE 16...	0	2	7	100	9	10	4	<.5	2	470	50
AUG. 18...	0	0	8	10	0	10	1	<.5	2	390	30

TABLE 100.--08114000 BRAZOS RIVER AT RICHMOND, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTERRER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
NOV. 03...	1315	4320	.00	<.2	.00	<.2	.01	<.2	.00	<.2
DEC. 17...	1430	754	.00	--	.00	--	.00	--	.00	--
JAN. 26...	1510	910	.00	--	.00	--	.00	--	.00	--
FEB. 17...	1500	599	.00	<.2	.00	<.2	.00	<.2	.00	<.2
APR. 07...	1330	507	.00	--	.00	--	.00	--	.00	--
JUNE 15...	1315	625	.00	--	.00	--	.06	--	.39	--
16...	1315	907	.00	<.2	.00	5.1	.00	15	.00	<.2
JULY 21...	1600	575	.00	--	.00	--	.00	--	.00	--
AUG. 18...	1100	1640	.00	--	.00	--	.00	--	.00	--
18...	1445	1590	.00	<.2	.00	1.2	.01	5.2	.01	<.2
SEP. 24...	1355	1310	.00	--	.00	--	.00	--	.00	--

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOT-TOM DE-POSITS (UG/KG)	LINDANE (UG/L)	LINDANE IN BOTTOM DE-POSITS (UG/KG)
NOV. 03...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2
DEC. 17...	.02	--	.00	--	.00	--	.00	--	.00	--
JAN. 26...	.00	--	.00	--	.00	--	.00	--	.00	--
FEB. 17...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2
APR. 07...	.00	--	.00	--	.00	--	.00	--	.00	--
JUNE 15...	.00	--	.00	--	.00	--	.00	--	.00	--
16...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JULY 21...	.00	--	.00	--	.00	--	.00	--	.00	--
AUG. 18...	.00	--	.00	--	.00	--	.00	--	.00	--
18...	.01	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2
SEP. 24...	.00	--	.00	--	.00	--	.00	--	.00	--

DATE	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL-PARA-THION (UG/L)	METHYL-PARA-THION IN BOT-TOM DE-POSITS (UG/KG)	PARA-THION (UG/L)	PARA-THION IN BOTTOM DE-POSITS (UG/KG)
NOV. 03...	.0	<1.0	.00	.00	<.2	.00	<.2	.00	<.2
DEC. 17...	.0	--	.00	.00	--	.00	--	.00	--
JAN. 26...	.0	--	.00	.00	--	.00	--	.00	--
FEB. 17...	.0	<1.0	.00	.00	<.2	.00	<.2	.00	<.2
APR. 07...	.0	--	.00	.00	--	.00	--	.00	--
JUNE 15...	.0	--	.00	.00	--	.00	--	.00	--
16...	.0	<1.0	.00	.00	<.2	.00	<.2	.00	<.2
JULY 21...	.0	--	.00	.00	--	.00	--	.00	--
AUG. 18...	.0	--	.00	.00	--	.00	--	.00	--
18...	.0	<1.0	.00	.00	<.2	.00	<.2	.00	<.2
SEP. 24...	.0	--	.00	.00	--	.00	--	.00	--

TABLE 100.--08114000 BRAZOS RIVER AT RICHMOND, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TOX- APHENE IN BOTTOM DE- POSITS		2,4-D IN BOTTOM DE- POSITS		2,4,5-T IN BOTTOM DE- POSITS		SILVEX IN BOTTOM DE- POSITS	
	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)		
NOV. 03...	.0	<10	.00	<1.1	.02	<.1	.00	<.1
DEC. 17...	.0	--	.00	--	.00	--	.00	--
JAN. 26...	.0	--	.00	--	.00	--	.00	--
FEB. 17...	.0	<10	--	<1.4	--	<.2	--	<.2
APR. 07...	.0	--	.00	--	.01	--	.00	--
JUNE 15...	.0	--	.00	--	.00	--	.00	--
16...	.0	<10	.00	<.6	.00	<.2	.00	<.2
JULY 21...	.0	--	.00	--	.00	--	.00	--
AUG. 18...	.0	--	.00	--	.00	--	.00	--
18...	.0	<10	--	<1.4	--	<.3	--	<.4
SEP. 24...	.0	--	.00	--	.00	--	.00	--

TABLE 101.--08116650 BRAZOS RIVER NEAR ROSHARON, TEX.  
(Lat 29°20'58", Long 95°34'56")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)
OCT. 14...	1245	21800	7.4	31	4.5	39	100	0	17	56	.2	.55
DEC. 03...	1230	1240	4.6	81	19	55	296	0	56	70	.3	.16
18...	1005	880	8.0	90	20	84	312	0	70	110	.2	.23
JAN. 28...	1400	660	2.6	82	19	120	240	0	92	170	.3	.23
FEB. 18...	0945	480	3.1	85	19	91	294	0	68	120	.2	.36
MAR. 19...	1145	90	8.4	92	26	77	328	0	76	110	.0	.22
APR. 06...	1500	117	6.5	82	23	71	265	0	79	110	.2	.53
MAY 20...	1050	1540	--	--	--	--	--	--	--	--	--	--
JUNE 16...	1500	178	12	72	21	75	252	0	65	110	.0	.31
JULY 29...	1400	277	9.2	58	23	110	186	0	76	180	.4	.33
AUG. 19...	0800	1690	10	25	21	33	150	0	44	35	.3	.27
SEP. 30...	1100	1190	15	71	14	110	215	0	81	140	.3	.30

DATE	TOTAL NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	LOSS ON IGNITION (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)
OCT. 14...	.010	.15	.4	.69	198	210	1090	120	96	14	1.7	383
DEC. 03...	.000	.08	.00	.030	451	436	32	32	280	38	1.4	761
18...	.000	.03	.00	.070	546	539	28	10	310	52	2.1	965
JAN. 28...	.000	.12	.00	.090	609	601	2	1	280	86	3.1	1060
FEB. 18...	.000	.05	.00	.12	533	535	15	0	290	51	2.3	934
MAR. 19...	.010	.04	.00	.15	553	550	14	--	340	67	1.8	959
APR. 06...	.030	.05	.5	.090	520	501	36	18	300	83	1.8	920
MAY 20...	--	--	--	--	--	--	--	--	--	--	--	333
JUNE 16...	.000	.02	.00	.080	478	479	52	2	270	60	2.0	851
JULY 29...	.010	.08	.00	.14	562	548	46	14	240	88	3.1	1000
AUG. 19...	.020	.02	.2	.15	250	244	216	54	150	27	1.2	438
SEP. 30...	.000	.00	.00	.19	523	537	108	--	240	60	3.1	1020

DATE	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
OCT. 14...	6.9	21.0	70	310	5.7	59	24	2.8	10000	9100	0	.00
DEC. 03...	7.9	22.0	0	15	8.6	98	4	4.2	>4000	300	--	.00
18...	7.5	17.0	15	10	9.6	99	12	2.6	10000	20	--	.00
JAN. 28...	7.4	16.0	15	15	11.7	117	9	2.1	4100	12	--	.00
FEB. 18...	7.8	19.0	0	5	12.4	132	16	5.5	13000	41	0	.00
MAR. 19...	7.2	16.5	0	15	7.0	71	16	3.8	16400	90	--	.00
APR. 06...	7.2	18.5	15	25	12.1	130	19	2.9	74000	30	0	.00
MAY 20...	--	25.5	--	--	7.4	89	--	--	66	16000	--	--
JUNE 16...	7.9	31.0	60	65	9.0	120	26	2.2	4400	69	7	.00
JULY 29...	7.5	31.0	15	75	9.0	120	20	2.7	94000	170	--	.00
AUG. 19...	8.5	30.0	20	150	9.0	118	20	3.1	7000	210	0	.00
SEP. 30...	7.9	27.5	35	55	--	--	18	--	26000	310	--	.00

TABLE 101.--08116650 BRAZOS RIVER NEAR ROSHARON, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)
JAN. 28...	1400	.00	.00	.00	.00	.00	.00	.00	.00	.00
MAY 20...	1050	.00	.00	.02	.02	.01	.00	.00	.00	.00
JUNE 16...	1500	.00	.00	.00	.00	.00	.00	.00	.00	.00
JULY 29...	1400	.00	.00	.00	.00	.00	.00	.00	.00	.00
AUG. 19...	0800	.00	.00	.00	.02	.00	.00	.00	.00	.00

DATE	CHLOR- DANE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	TOX- APHENE (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
JAN. 28...	.0	.00	.00	.00	.00	.0	.00	.00	.00
MAY 20...	.0	.00	.00	.00	.00	.0	.00	.03	.00
JUNE 16...	.0	.00	.00	.00	.00	.0	.00	.01	.00
JULY 29...	.0	.00	.00	.00	.00	.0	.00	.00	.00
AUG. 19...	.0	.00	.00	.00	.00	.0	.00	.00	.00

TABLE 102.--08117900 BIG BOGGY CREEK NEAR WADSWORTH, TEX.  
(Lat 28°48'46", long 95°57'02")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	
NOV. 03...	0830	.47	9.9	20	6.1	16	4.5	88	0
MAR. 24... 1971	1515	5.8	3.6	54	19	56	5.4	186	0
APR. 27...	1615	1.7	5.4	57	23	80	7.2	230	0
JUNE 02...	1600	5.5	12	58	22	46	6.6	212	0
JULY 07...	1410	21	20	57	22	49	4.0	226	2
AUG. 11...	1730	1.7	39	34	12	24	11	149	0
SEP. 12...	1050	272	14	11	2.8	8.6	4.0	47	0

DATE	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	IODIDE (I) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
NOV. 03...	6.4	26	.1	.100	.020	.84	.000	.07	.2	.15
MAR. 24... 1971	59	92	.3	.960	.040	.72	.010	.00	.1	.20
APR. 27...	40	130	.5	--	--	.58	.000	.00	.2	.16
JUNE 02...	45	79	.4	--	--	.89	.020	.56	.1	.20
JULY 07...	32	87	.4	.100	.034	.34	.000	.00	.00	.10
AUG. 11...	15	39	.3	.300	.051	1.8	.000	.28	.1	.26
SEP. 12...	4.0	13	.1	--	--	.32	.000	.34	.00	.11

DATE	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
NOV. 03...	70	133	164	75	3	.8	227	7.4	11.5	110
MAR. 24... 1971	140	381	42	210	60	1.7	691	8.7	18.5	15
APR. 27...	--	456	--	240	48	2.3	843	8.2	30.0	45
JUNE 02...	--	374	--	240	62	1.3	673	8.2	32.0	70
JULY 07...	110	385	60	230	44	1.4	683	7.5	31.0	25
AUG. 11...	80	248	176	130	12	.9	391	8.5	34.5	80
SEP. 12...	50	81	18	39	0	.6	135	6.4	26.0	6

DATE	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	DIS-SOLVED ALUMINUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)
NOV. 03...	9.4	85	55	1.7	100	0	0	--	0	1
MAR. 24... 1971	18.6	198	40	14	0	0	0	0	--	0
APR. 27...	13.2	174	43	7.8	--	--	--	--	--	--
JUNE 02...	9.6	130	37	6.1	--	--	--	--	--	--
JULY 07...	6.2	83	18	2.0	10	0	0	0	--	0
AUG. 11...	10.6	147	58	8.4	30	0	0	0	--	0
SEP. 12...	2.5	30	37	3.4	60	0	0	0	--	0

TABLE 102.--08117900 BIG BOGGY CREEK NEAR WADSWORTH, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRONTIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
NOV. 03...	25	80	1	0	1	.7	5	100	0
MAR., 1971 24...	4	9	0	20	5	.8	0	390	2
APR. 27...	--	--	--	--	--	--	--	--	--
JUNE 02...	--	--	--	--	--	--	--	--	--
JULY 07...	3	100	0	10	33	5.1	0	580	0
AUG. 11...	3	760	0	0	50	<.5	2	260	0
SEP. 12...	4	220	2	0	0	4.1	0	100	30

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
NOV. 03...	0830	.47	.00	<.2	.00	.7	.00	<.2	.00	.6
MAR., 1971 24...	1515	5.8	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JULY 07...	1410	21	.00	<.2	.00	.4	.00	.7	.00	<.2
AUG. 11...	1730	1.7	.00	<.2	.00	<.2	.00	<.2	.00	<.2
SEP. 12...	1050	272	.00	--	.00	--	.00	--	.00	--

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM DE-POSITS (UG/KG)	LINDANE (UG/L)
NOV. 03...	.01	.6	.00	<.2	.00	<.2	.00	<.2	.00
MAR., 1971 24...	.02	<.2	.00	<.2	.00	<.2	.00	<.2	.00
JULY 07...	.01	.7	.00	<.2	.00	<.2	.00	<.2	.00
AUG. 11...	.01	<.2	.00	<.2	.00	<.2	.00	<.2	.00
SEP. 12...	.00	--	.00	--	.00	--	.00	--	.00

DATE	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL-PARA-THION (UG/L)	METHYL-PARA-THION IN BOTTOM DE-POSITS (UG/KG)	PARA-THION (UG/L)
NOV. 03...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
MAR., 1971 24...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
JULY 07...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
AUG. 11...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
SEP. 12...	--	.0	--	.00	.00	--	.00	--	.00



TABLE 102.--08117900 BIG BOGGY CREEK NEAR WADSWORTH, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	PARA- THION IN BOTTOM DE- POSITS (UG/KG)	TOX- APHENE IN BOTTOM DE- POSITS (UG/L)	TOX- APHENE IN BOTTOM DE- POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE- POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE- POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE- POSITS (UG/KG)
NOV. 03...	<.2	.0	<10	.00	<11	.00	<2.2	.00	<1.5
MAR. 1971 24...	<.2	.0	<10	.26	<1.1	.00	<.2	.00	<.2
JULY 07...	<.2	.0	<10	.00	<.6	.00	<.2	.00	<.2
AUG. 11...	<.2	.0	<10	.00	<.7	.00	<.2	.00	<.2
SEPT. 12...	--	.0	--	.10	--	.00	--	.00	--

TABLE 103.--08123850 COLORADO RIVER ABOVE SILVER, TEX.  
(Lat 32°03'13", long 100°45'42")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
MAR. 03...	1130	.52	.00	.00	.00	.00	.00	.00	.00	.00
JUNE 03...	1650	32	.00	.00	.00	.00	.00	.00	.00	.00
AUG. 03...	1830	707	.00	.00	.02	.01	.00	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	TOX- APHENE (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
MAR. 03...	.00	.0	.00	.00	.00	.00	.0	.00	.00	.02
JUNE 03...	.00	.0	.00	.00	.00	.00	.0	.00	.29	.00
AUG. 03...	.00	.1	.00	.00	.00	.00	.0	.00	.02	.00

TABLE 104.--08136150 CONCHO RIVER NEAR VERIBEST, TEX.  
(Lat 31°32'07", long 100°13'05")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HC03) (MG/L)
JAN.									
05...	1550	--	17	180	110	290	--	5.1	332
FEB.									
16...	1500	--	19	170	120	--	290	--	310
22...	0920	3.4	7.5	130	110	--	320	--	168
MAR.									
29...	1450	--	16	170	120	--	320	--	258
MAY									
17...	1445	--	28	140	95	--	310	--	310
JULY									
21...	1210	--	11	220	130	--	220	--	176
SEP.									
15...	1430	9.8	28	140	93	--	390	--	256

DATE	CAR-BONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
JAN.									
05...	0	360	640	.6	.080	.00	6.0	.060	1800
FEB.									
16...	0	320	660	.6	.070	.05	6.3	.060	1760
22...	0	330	670	.5	--	--	8.4	--	1680
MAR.									
29...	0	360	710	.7	.070	.00	3.7	.080	1840
MAY									
17...	0	270	620	.5	.000	.54	.00	1.5	1630
JULY									
21...	0	550	610	.6	.020	.31	.2	.050	1840
SEP.									
15...	0	270	770	.5	.060	.00	1.4	.13	1820

DATE	HARD-NESS (CA, MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTION (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)
JAN.									
05...	910	640	4.2	2990	8.2	7.0	11.8	98	2.9
FEB.									
16...	910	650	4.2	2970	7.8	16.0	13.1	132	4.6
22...	750	620	5.0	2840	7.8	9.0	--	--	--
MAR.									
29...	910	700	4.6	3070	8.1	20.0	15.8	174	4.5
MAY									
17...	750	500	5.0	2850	8.6	28.0	16.4	212	>47
JULY									
21...	1100	960	2.9	2960	7.1	26.0	3.1	38	2.1
SEP.									
15...	740	530	6.3	2600	7.9	27.5	14.0	175	7.6

TABLE 105.--08136500 CONCHO RIVER AT PAINT ROCK, TEX.  
(Lat 31°30'57", long 99°55'08")  
WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
JAN. 05...	1400	17	17	200	96	230	242	0	380	520	.6	.40
FEB. 16...	1350	12	13	200	100	250	210	0	460	540	.6	.18
MAR. 29...	1240	3.6	8.3	200	110	220	166	0	460	570	.6	.10
MAY 17...	1240	3.6	20	140	80	180	190	0	270	440	.5	.22
SEP. 15...	1540	20	18	140	72	170	166	0	290	400	.4	.52

DATE	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)
JAN. 05...	.040	.05	12	.030	1610	38	11	890	690	3.3	2540	8.1
FEB. 16...	.080	.02	12	.010	1710	20	4	910	740	3.6	2690	8.1
MAR. 29...	.080	.04	7.0	.040	1680	32	13	950	820	3.2	2730	8.0
MAY 17...	.020	.18	.2	.060	1220	29	12	670	520	3.0	2120	8.0
SEP. 15...	.080	.00	1.2	.10	1190	18	1	650	510	2.9	2030	7.4

DATE	TEMP-ERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)
JAN. 05...	6.5	0	10	10.5	85	12	1.4	1	.00	100	0	0
FEB. 16...	20.5	0	15	10.9	120	11	2.2	2	.04	--	--	--
MAR. 29...	21.0	0	20	9.2	102	17	2.4	3	.04	0	0	0
MAY 17...	25.5	6	20	10.3	124	24	3.5	0	.12	0	0	0
SEP. 15...	27.0	10	10	4.0	49	25	5.9	1	.00	--	--	--

DATE	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
JAN. 05...	--	0	0	2	10	0	70	1	<.5	4	3800	0
FEB. 16...	--	--	--	--	--	--	--	--	--	--	--	--
MAR. 29...	0	--	0	4	4	0	80	4	<.5	0	3900	18
MAY 17...	0	--	1	4	10	0	60	3	<.5	0	3100	0
SEP. 15...	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 105.--08136500 CONCHO RIVER AT PAINT ROCK, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
JAN. 05...	1400	17	.00	<.2	.00	1.5	.00	3.3	.00	<.2
MAR. 29...	1240	3.6	.00	<.2	.00	2.5	.00	27	.00	<.2
MAY 17...	1240	3.6	.00	<.2	.00	1.3	.00	3.9	.00	<.2

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR IN BOT-TOM DE-POSITS (UG/KG)	LINDANE (UG/L)	LINDANE IN BOTTOM DE-POSITS (UG/KG)
JAN. 05...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2
MAR. 29...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2
MAY 17...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2

DATE	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOT-TOM DE-POSITS (UG/KG)	PARA-THION (UG/L)
JAN. 05...	.0	<1.0	.00	.00	<.2	.00	<.2	.00
MAR. 29...	.0	<1.0	.00	.00	<.2	.00	<.2	.00
MAY 17...	.0	<1.0	.00	.00	<.2	.00	<.2	.00

DATE	PARA-THION IN BOTTOM DE-POSITS (UG/KG)	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
JAN. 05...	<.2	.0	<10	.00	<5.4	.00	<.6	.00	<.5
MAR. 29...	<.2	.0	<10	.00	<1.9	.00	<.6	.00	<.6
MAY 17...	<.2	.0	<10	.00	<.7	.00	<.2	.00	<.2

TABLE 106.--08147000 COLORADO RIVER NEAR SAN SABA, TEX.  
(Lat 31°13'04", long 98°33'51")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)
JAN. 05...	0950	131	10	88	42	85	278	0
FEB. 16...	1125	103	7.0	73	39	62	288	0
MAR. 29...	0900	79	7.8	60	38	58	276	0
MAY 17...	0900	191	9.6	64	29	53	170	0
JULY 21...	1810	9.6	15	46	34	48	274	0
SEP. 13...	1315	347	15	50	26	35	250	0

DATE	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA, MG) (MG/L)
JAN. 05...	120	160	.2	.000	.00	.6	.050	641	390
FEB. 16...	80	110	.2	.000	.00	.6	.030	516	340
MAR. 29...	63	98	.2	.000	.00	.4	.060	463	310
MAY 17...	110	100	.2	.010	.00	.7	.10	448	280
JULY 21...	23	79	.2	.000	.00	.00	.060	380	260
SEP. 13...	33	46	.2	.000	.00	1.0	.10	333	230

DATE	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)
JAN. 05...	160	1.9	1110	8.1	7.0	10.6	87	1.1
FEB. 16...	110	1.5	926	7.9	16.0	10.0	100	1.4
MAR. 29...	80	1.4	836	8.0	18.0	7.8	82	1.5
MAY 17...	140	1.4	811	7.9	23.0	7.0	80	2.7
JULY 21...	30	1.3	709	8.0	31.5	6.8	92	3.2
SEP. 13...	27	1.0	582	7.9	27.5	8.2	102	2.3

TABLE 106.--08147000 COLORADO RIVER NEAR SAN SABA, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)
JAN. 05...	0950	131	.00	.00	.00	.00	.00	.00	.00	.00
MAR. 29...	0900	79	.00	.00	.00	.00	.00	.00	.00	.00
MAY 17...	0900	191	.00	.00	.00	.00	.00	.00	.00	.00
JULY 21...	1810	9.6	.00	.00	.00	.00	.00	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR-DANE (UG/L)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	TOX-APHENE (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
JAN. 05...	.00	.0	.00	.00	.00	.00	.0	.00	.00	.00
MAR. 29...	.00	.0	.00	.00	.00	.00	.0	.00	.04	.00
MAY 17...	.00	.0	.00	.00	.00	.00	.0	.00	.00	.00
JULY 21...	.00	.0	.00	.00	.00	.00	.0	.00	.00	.00

TABLE 107.--08157500 WALLER CREEK AT 23RD STREET, AT AUSTIN, TEX.  
(Lat 30°17'08", long 97°44'01")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE- SIUM (MG/L)	DIS-SOLVED SODIUM PLUS POTAS- SIUM (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO- RIDE (CL) (MG/L)
OCT. 23...	1205	31	6.8	44	2.0	5.3	132	0	9.6	7.2
MAY 24...	0920	10	4.6	40	3.2	9.4	114	0	16	16
JUNE 21...	1725	363	8.8	46	2.1	3.4	140	0	5.4	6.2
AUG. 02...	1303	31	4.2	38	2.0	4.6	109	0	10	8.6
04...	1200	20	6.8	40	3.0	13	105	0	21	21
SEP. 09...	0938	1.3	9.4	60	14	7.1	192	0	42	14

DATE	DIS-SOLVED FLUO- RIDE (F) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA, MG) (MG/L)
OCT. 23...	.1	1.0	.000	.00	.3	1.6	--	141	--	120
MAY 24...	.2	--	.000	.52	.6	.38	95	149	--	110
JUNE 21...	.1	--	.000	.00	.4	1.9	44	143	1720	120
AUG. 02...	.1	--	.020	.26	.5	.37	55	124	--	100
04...	.1	--	.010	.09	.9	.33	65	161	186	110
SEP. 09...	.2	--	.000	.00	.4	.040	--	242	--	210

DATE	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)	TEMP- ERATURE (DEG C)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	RIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
OCT. 23...	10	.2	253	7.1	20.0	240	6.7	73	>8.4	.00
MAY 24...	20	.4	285	7.7	21.0	--	8.0	89	15	.00
JUNE 21...	9	.1	252	8.9	22.0	--	7.1	81	23	.00
AUG. 02...	14	.2	229	7.9	23.0	--	8.0	92	6.7	.06
04...	26	.5	282	7.8	24.0	--	7.8	92	2.7	.00
SEP. 09...	50	.2	419	7.5	26.0	--	7.8	95	.9	--

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
OCT. 23...	1205	31	.00	.25	.23	1.7	.15	.00	.00	.00
MAY 24...	0920	10	.00	.23	.09	.86	.05	.00	.00	.00
JUNE 21...	1725	363	.00	.96	.30	.67	.24	.00	.00	.00
AUG. 02...	1303	31	.00	.09	.05	.33	.00	.00	.00	.00
04...	1200	20	.00	.04	.05	.30	.00	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	TOX- APHENE (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEK (UG/L)
OCT. 23...	.00	.3	.20	.00	.00	.00	.0	.00	.02	.00
MAY 24...	.03	.4	.28	.59	.00	.00	.0	.00	.05	.00
JUNE 21...	.00	.8	.02	.00	.00	.00	.0	.00	.06	.00
AUG. 02...	.00	.1	.00	.00	.00	.00	.0	.00	.14	.00
04...	.00	.1	.00	.00	.00	.00	.0	.00	.10	.00



TABLE 108.--08158650 COLORADO RIVER AT FARM ROAD 973, BELOW AUSTIN, TEX.  
(Lat 30°12'28", long 97°38'15")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT. 09...	1545	87	9.8	56	18	--	26	--	212	
DEC. 03...	1750	107	11	63	19	38	--	4.8	258	0
FEB., 1971 03...	1740	43	13	62	19	42	--	4.9	245	0
APR. 07...	1355	164	7.3	49	20	--	41	--	190	0
JUNE 03...	1720	78	8.3	49	18	--	42	--	190	0
AUG. 18...	1810	58	9.4	50	20	--	35	--	188	0

DATE	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
OCT. 09...	26	50	.2	.21	.070	.28	.00	.32	291
DEC. 03...	41	59	.4	.66	.32	5.3	1.0	2.0	376
FEB., 1971 03...	44	65	.3	--	.16	3.5	1.0	2.2	380
APR. 07...	41	68	.3	--	.000	.32	.2	.25	321
JUNE 03...	39	65	.2	--	.010	.03	.1	.24	315
AUG. 18...	39	63	.3	--	.040	.42	.2	.32	310

DATE	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND (MG/L)
OCT. 09...	210	40	.8	554	7.2	23.5	5.5	64	1.9
DEC. 03...	240	24	1.1	630	7.1	21.0	4.8	53	>8.1
FEB., 1971 03...	230	54	1.2	656	7.2	16.0	8.3	83	7.1
APR. 07...	200	50	1.2	581	8.0	19.0	8.6	91	1.9
JUNE 03...	200	41	1.3	573	7.9	25.0	8.1	96	1.9
AUG. 18...	210	54	1.1	577	7.6	30.0	7.0	92	1.9

TABLE 109. 08159150 WILBARGER CREEK NEAR PFLUGERVILLE, TEX.  
(Lat 30°27'16", long 97°36'02")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SI02) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG)	SODIUM PLUS PO-TAS-SIUM (NA+K) (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)	SULFATE (S04) (MG/L)
OCT. 23...	1310	586	9.0	30	1.0	4.6	105	0	.0

DATE	CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA, MG) (MG/L)
OCT. 23...	1.2	.1	.93	.000	.00	.3	.92	99	79

DATE	NON-CAR-BONATE HARD-NESS (MG/L)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT. 23...	0	161	7.2	18.0	7.5	79	4.6	.00

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)
OCT. 23...	1310	586	.00	.00	.07	.05	.00	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR-DANE (UG/L)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	TOX-APHENE (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
OCT. 23...	.00	.0	.00	.00	.00	.00	.2	.00	.00	.00

TABLE 110.--08159200 COLORADO RIVER AT BASTROP, TEX.  
(Lat 30°06'20", long 97°19'08")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)
OCT.									
09...	1430	606	10	60	18	33	221	0	37
26...	--	380	11	44	10	9.6	128	0	32
DEC.									
03...	1640	192	9.5	77	20	38	294	0	41
JAN., 1971									
13...	1045	234	11	61	20	40	214	12	40
FEB.									
03...	1630	155	8.3	70	21	48	264	0	49
MAR.									
11...	1000	647	4.4	62	22	37	203	13	44
APR.									
07...	1255	1940	7.8	50	20	41	192	0	40
MAY									
25...	0830	2380	17	50	18	37	181	0	35
JUNE									
03...	1555	2770	8.0	50	19	40	190	0	39
AUG.									
18...	1615	702	9.1	51	20	37	194	0	39

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)
OCT.									
09...	50	.3	.32	.050	.00	1.1	.39	322	220
26...	21	.3	--	--	--	.9	--	195	150
DEC.									
03...	50	.3	.11	.000	.00	.8	.83	384	270
JAN., 1971									
13...	58	.2	--	--	--	.8	--	351	230
FEB.									
03...	65	.3	--	.030	.00	1.4	1.1	398	260
MAR.									
11...	61	.3	--	--	--	1.6	--	351	240
APR.									
07...	68	.3	--	.000	.00	.3	.28	322	210
MAY									
25...	66	.2	--	--	--	.4	--	314	200
JUNE									
03...	65	.3	--	.000	.00	.2	.26	315	200
AUG.									
18...	62	.3	--	.010	.00	.4	.19	315	210

DATE	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND (MG/L)
OCT.								
09...	42	1.0	572	7.5	23.0	6.8	78	.6
26...	46	.3	338	7.9	19.0	--	--	--
DEC.								
03...	34	1.0	656	8.3	22.0	14.8	168	5.7
JAN., 1971								
13...	39	1.1	598	8.4	17.0	--	--	--
FEB.								
03...	44	1.3	705	8.6	14.0	16.2	156	7.7
MAR.								
11...	57	1.0	624	8.5	17.5	--	--	--
APR.								
07...	50	1.2	585	8.1	20.5	8.4	92	1.5
MAY								
25...	52	1.1	577	7.9	25.0	--	--	--
JUNE								
03...	48	1.2	574	8.1	27.0	7.0	86	1.3
AUG.								
18...	50	1.1	577	7.8	30.5	7.8	103	1.3

TABLE 111.--08161000 COLORADO RIVER AT COLUMBUS, TEX.  
(Lat 29°42'22", Long 96°32'12")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)
OCT.									
27...	1055	2010	9.2	25	24	29	142	0	62
DEC.									
17...	1000	400	3.7	70	21	36	284	0	45
FEB., 1971									
17...	0930	266	.0	60	21	50	234	0	57
APR.									
07...	1000	1610	7.3	53	22	35	198	0	40
JUNE									
16...	0910	2110	9.5	50	21	38	190	0	40
AUG.									
18...	1030	1000	7.8	57	16	33	194	0	37

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)
OCT.									
27...	27	.4	.030	.14	1.2	.86	250	160	44
DEC.									
17...	43	.2	.000	.15	.00	.11	359	260	30
FEB., 1971									
17...	66	.3	.000	.08	.00	.27	369	230	42
APR.									
07...	65	.2	.020	.01	.8	.29	323	220	60
JUNE									
16...	68	.2	.010	.03	.2	.21	321	210	54
AUG.									
18...	58	.2	.010	.26	.2	.20	305	210	47

DATE	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	METH-YLENE BLUE ACTIVE SUB-STANCE (MG/L)
OCT.									
27...	1.0	443	7.5	24.5	10	--	--	2.1	--
DEC.									
17...	1.0	653	7.7	14.0	--	11.0	106	7.5	.01
FEB., 1971									
17...	1.4	652	7.6	18.0	--	7.6	80	8.2	.00
APR.									
07...	1.0	608	7.3	19.0	--	9.8	100	2.5	--
JUNE									
16...	1.1	593	8.3	29.5	--	9.0	117	4.2	--
AUG.									
18...	1.0	554	8.5	30.0	--	9.0	118	2.3	--

TABLE 112.--08162000 COLORADO RIVER AT WHARTON, TEX.  
(Lat 29°18'32", long 96°06'13")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)
OCT. 27...	1400	3760	6.8	27	3.8	8.4	94	0	11	7.7	.2	.41
DEC. 18...	1450	484	2.1	68	20	35	274	0	40	44	.2	.35
FEB. 17...	1200	308	.0	65	7.8	66	254	0	45	59	.2	.42
APR. 07...	1215	874	6.4	56	22	37	212	0	42	66	.2	.54
JUNE 16...	1100	920	6.0	47	21	39	184	0	40	68	.2	.33
AUG. 18...	1300	685	8.6	58	13	37	194	0	40	55	.2	.22

DATE	TOTAL NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	LOSS ON IGNITION (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)
OCT. 27...	.010	.14	.5	.35	110	368	48	83	6	.4	203	6.8
DEC. 18...	.000	.08	.00	.10	344	34	34	250	28	1.0	626	8.1
FEB. 17...	.000	.08	.00	.15	368	41	7	240	36	1.8	643	7.8
APR. 07...	.020	.00	.2	.30	335	113	39	230	56	1.1	616	8.1
JUNE 16...	.000	.00	.00	.12	311	162	18	200	53	1.2	585	8.5
AUG. 18...	.020	.32	.3	.22	309	74	8	200	41	1.1	546	8.7

DATE	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DIS-SOLVED ALUMINUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)
OCT. 27...	24.5	140	170	6.6	79	31	.8	0	.00	100	0	0
DEC. 18...	18.0	10	25	11.4	120	13	3.3	0	.00	--	--	--
FEB. 17...	22.0	0	8	9.8	111	20	6.1	0	.01	150	0	2
APR. 07...	18.0	0	70	11.2	120	9	4.6	0	.00	--	--	--
JUNE 16...	30.0	60	70	9.0	118	29	1.4	4	.00	10	0	1
AUG. 18...	31.0	20	110	9.0	120	18	4.6	0	.00	10	10	0

DATE	DIS-SOLVED CHROMIUM (CR) (UG/L)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRONTIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT. 27...	--	0	0	4	13	0	0	1	<.5	7	120	0
DEC. 18...	--	--	--	--	--	--	--	--	--	--	--	--
FEB. 17...	0	--	2	0	60	6	20	20	.6	0	490	8
APR. 07...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 16...	0	--	0	7	100	12	10	1	<.5	0	500	50
AUG. 18...	0	--	0	5	0	0	10	1	<.5	2	510	0

TABLE 112.--08162000 COLORADO RIVER AT WHARTON, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
OCT. 27...	1400	3760	.00	<.2	.00	<.2	.00	<.2	.00	<.2
DEC. 17...	1225	445	.00	--	.00	--	.00	--	.00	--
JAN. 28...	1235	358	.00	--	.00	--	.00	--	.00	--
FEB. 17...	1200	308	.00	<.2	.00	<.2	.00	<.2	.00	<.2
APR. 07...	1215	874	.00	--	.00	--	.00	--	.00	--
JUNE 03...	0955	595	.00	--	.00	--	.00	--	.00	--
15...	1205	885	.00	--	.00	--	.00	--	.00	--
16...	1100	920	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JULY 21...	1235	691	--	--	--	--	--	--	--	--
AUG. 18...	1300	685	.00	--	.00	--	.00	--	.00	--
18...	1330	639	.00	--	.00	--	.00	--	.00	--
SEP. 21...	1730	1770	.00	--	.00	--	.00	--	.00	--

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOT-TOM DE-POSITS (UG/KG)	LINDANE (UG/L)
OCT. 27...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
DEC. 17...	.00	--	.00	--	.00	--	.00	--	.00
JAN. 28...	.00	--	.00	--	.00	--	.00	--	.00
FEB. 17...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
APR. 07...	.00	--	.00	--	.00	--	.00	--	.00
JUNE 03...	.00	--	.00	--	.00	--	.00	--	.00
15...	.00	--	.00	--	.00	--	.00	--	.00
16...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
JULY 21...	--	--	--	--	--	--	--	--	--
AUG. 18...	.00	--	.00	--	.00	--	.00	--	.00
18...	.00	--	.00	--	.00	--	.00	--	.00
SEP. 21...	.00	--	.00	--	.00	--	.00	--	.00

TABLE 112.--08162000 COLORADO RIVER AT WHARTON, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	LINDANE IN BOTTOM DE- POSITS (UG/KG)	CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM DE- POSITS (UG/KG)	DI- AZINON (UG/L)	MALA- THION (UG/L)	MALA- THION IN BOTTOM DE- POSITS (UG/KG)	METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM DE- POSITS (UG/KG)	PARA- THION (UG/L)
OCT.									
27...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
DEC.									
17...	--	.0	--	.00	.00	--	.00	--	.00
JAN.									
28...	--	.0	--	.00	.00	--	.00	--	.00
FEB.									
17...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
APR.									
07...	--	.0	--	.00	.00	--	.00	--	.00
JUNE									
03...	--	.0	--	.00	.00	--	.00	--	.00
15...	--	.0	--	.00	.00	--	.00	--	.00
16...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
JULY									
21...	--	--	--	--	--	--	--	--	--
AUG.									
18...	--	.0	--	.00	.00	--	.00	--	.00
18...	--	.0	--	.00	.00	--	.00	--	.00
SEP.									
21...	--	.0	--	.00	.00	--	.00	--	.00

DATE	PARA- THION IN BOTTOM DE- POSITS (UG/KG)	TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM DE- POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE- POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE- POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE- POSITS (UG/KG)
OCT.									
27...	<.2	.0	<10	.00	<3.4	.01	<.4	.00	<.4
DEC.									
17...	--	.0	--	.00	--	.00	--	.00	--
JAN.									
28...	--	--	--	.00	--	.00	--	.00	--
FEB.									
17...	<.2	.0	<10	.00	<.9	.04	<.1	.00	<.1
APR.									
07...	--	.0	--	.00	--	.00	--	.00	--
JUNE									
03...	--	--	--	.00	--	.00	--	.00	--
15...	--	.0	--	.00	--	.00	--	.00	--
16...	<.2	.0	<10	.00	<6.0	.00	<1.5	.00	<1.5
JULY									
21...	--	--	--	.00	--	.00	--	.00	--
AUG.									
18...	--	.0	--	.00	--	.00	--	.00	--
18...	--	.0	--	.00	--	.00	--	.00	--
SEP.									
21...	--	.0	--	.00	--	.00	--	.00	--

TABLE 113.--08162600 TRES PALACIOS CREEK NEAR MIDFIELD, TEX.  
(Lat 28°55'40", Long 96°10'15")

WATER QUALITY DATA: WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
NOV. 03...	1130	19	22	66	18	76	--	4.0	246	0
DEC. 09...	1730	6.8	17	110	30	160	--	3.7	406	0
JAN., 1971 13...	1040	6.1	14	99	28	150	--	4.2	384	0
FEB. 18...	1345	5.8	11	94	26	150	--	4.4	352	8
25...	1330	4.5	15	96	28	--	170	--	410	0
MAR. 04...	1155	6.1	18	92	27	--	150	--	360	0
25...	1440	29	8.8	62	20	67	--	5.1	238	0
APR. 27...	1345	20	12	63	21	66	--	6.6	224	0
JUNE 03...	1515	23	17	63	21	75	--	6.4	273	0
JULY 08...	1815	72	23	57	20	60	--	3.2	259	1
AUG. 12...	1255	49	40	45	14	37	--	11	196	0
SEPT. 13...	1500	1280	8.3	20	5.0	12	--	6.0	83	0

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	IODIDE (I) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
NOV. 03...	20	130	.4	.000	.090	.52	.030	.00	.5	.35
DEC. 09...	38	260	.5	--	--	.38	.000	.00	.00	.61
JAN., 1971 13...	35	240	.5	--	--	.25	.040	.00	.8	1.0
FEB. 18...	41	240	.5	--	--	.59	.010	.00	.00	.60
25...	38	240	.4	--	--	--	.020	.00	.1	.65
MAR. 04...	34	230	.3	--	--	--	.040	.30	.7	.60
25...	46	100	.4	.960	.040	.52	.010	.00	.2	.28
APR. 27...	53	110	.4	--	--	.73	.000	.00	.4	.26
JUNE 03...	42	100	.5	--	--	.58	.000	.00	.1	.24
JULY 08...	19	86	.4	.200	.044	.20	.000	.00	.00	.090
AUG. 12...	11	59	.3	.400	.053	.56	.040	.20	.2	.32
SEPT. 13...	6.8	18	.2	--	--	.33	.000	.34	.1	.28

DATE	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	TUR-BID-ITY (JTU)
NOV. 03...	100	460	70	240	37	2.1	814	7.6	15.0	50
DEC. 09...	--	819	--	400	66	3.5	1440	7.7	21.0	9
JAN., 1971 13...	--	769	--	360	48	3.4	1450	7.8	20.5	15
FEB. 18...	--	742	--	340	40	3.5	1330	7.9	21.5	25
25...	--	798	--	350	18	3.9	1420	8.0	19.0	--
MAR. 04...	--	731	--	340	45	3.5	1300	7.9	12.0	--
25...	120	431	85	240	42	1.9	766	8.0	23.5	45
APR. 27...	--	443	--	240	60	1.8	797	7.8	25.5	50
JUNE 03...	--	462	--	240	20	2.1	812	7.9	28.0	40
JULY 08...	140	397	134	220	10	1.7	711	7.7	27.5	55
AUG. 12...	80	315	96	170	10	1.2	521	7.5	29.5	55
SEPT. 13...	60	118	42	70	2	.6	210	6.8	28.0	25



TABLE 113.--08162600 TRES PALACIOS CREEK NEAR MIDFIELD, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATURATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)
NOV. 03...	8.3	81	46	1.0	0	0	0	--	0	0
DEC. 09...	9.4	104	49	3.4	--	--	--	--	--	--
JAN., 1971 13...	9.4	103	6	2.4	--	--	--	--	--	--
FEB. 18...	9.5	107	16	4.0	--	--	--	--	--	--
25...	--	--	--	5.7	--	0	--	--	--	--
MAR. 04...	--	--	12	6.2	--	--	--	--	--	--
25...	14.0	163	24	11	0	0	0	1	0	0
APR. 27...	8.9	107	32	5.0	--	--	--	--	--	--
JUNE 03...	8.1	103	25	2.9	--	--	--	--	--	--
JULY 08...	6.9	86	15	1.6	20	10	0	0	--	0
AUG. 12...	5.5	71	30	3.7	30	10	1	0	--	0
SEP. 13...	3.2	41	17	3.1	60	0	0	0	--	0

DATE	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
NOV. 03...	7	40	0	0	19	2.2	6	330	0
DEC. 09...	--	--	--	--	--	--	--	--	--
JAN., 1971 13...	--	--	--	--	--	--	--	--	--
FEB. 18...	--	--	--	--	--	--	--	--	--
25...	--	20	0	--	150	<.5	--	--	--
MAR. 04...	--	--	--	--	--	--	--	--	--
25...	3	5	0	20	16	<.5	0	460	12
APR. 27...	--	--	--	--	--	--	--	--	--
JUNE 03...	--	--	--	--	--	--	--	--	--
JULY 08...	3	50	0	20	3	8.7	0	520	0
AUG. 12...	2	190	0	10	36	<.5	2	310	0
SEP. 13...	4	150	0	0	1	1.2	0	120	40

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
NOV. 03...	1130	19	.00	<.2	.00	<.2	.00	1.3	.00	<.2
FFB., 1971 25...	1330	4.5	.00	<.2	.00	1.5	.00	4.4	.00	<.2
MAR. 04...	1155	6.1	.00	<.2	.00	1.2	.00	3.9	.00	.4
25...	1440	29	.00	<.2	.00	15	.00	26	.00	3.6
JULY 08...	1815	72	.00	<.2	.00	3.1	.00	14	.00	<.2
AUG. 12...	1255	49	.00	<.2	.00	2.9	.00	6.1	.00	2.6
SEP. 13...	1500	1280	.00	--	.00	--	.00	--	.00	--

TABLE 113.--08162600 TRES PALACIOS CREEK NEAR MIDFIELD, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM DE-POSITS (UG/KG)	LINDANE (UG/L)
NOV. 03...	.01	.8	.00	<.2	.00	<.2	.00	<.2	.00
FEB., 1971 25...	.00	1.6	.00	<.2	.00	<.2	.00	<.2	.00
MAR. 04...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
25...	.01	<.2	.00	<.2	.00	<.2	.00	<.2	.00
JULY 08...	.02	<.2	.00	<.2	.00	<.2	.00	<.2	.00
AUG. 12...	.01	<.2	.00	<.2	.00	<.2	.00	<.2	.00
SEP. 13...	.01	--	.00	--	.00	--	.00	--	.00

DATE	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM DE-POSITS (UG/KG)	PARA-THION (UG/L)
NOV. 03...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
FEB., 1971 25...	<.2	.0	<1.0	.04	.00	<.2	.00	<.2	.00
MAR. 04...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
25...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
JULY 08...	<.2	.0	<1.0	.00	.00	--	.00	--	.00
AUG. 12...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
SEP. 13...	--	.0	--	.00	.00	--	.00	--	.00

DATE	PARA-THION IN BOTTOM DE-POSITS (UG/KG)	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
NOV. 03...	<.2	.0	<10	.00	<2.3	.00	<.7	.00	<.7
FEB., 1971 25...	<.2	.0	<10	.00	--	.00	--	.00	--
MAR. 04...	<.2	.0	<10	.12	--	.95	--	.00	--
25...	<.2	.0	<10	.00	<2.4	.05	3.8	.00	<.2
JULY 08...	--	.0	<10	.00	<1.0	.01	<.3	.00	<.3
AUG. 12...	<.2	.0	<10	.00	<1.8	.00	<.6	.11	<.6
SEP. 13...	--	.0	--	.04	--	.01	--	.00	--

TABLE 114.--08162650 CASHS CREEK NEAR BLESSING, TEX.  
(Lat 28°48'38", long 96°11'51")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
NOV. 03...	1600	1.3	15	49	18	71	--	3.7	227	0	16	100
DEC. 09...	1445	.43	14	72	29	120	--	4.8	352	0	27	170
JAN., 1971 13...	1345	.44	12	71	29	140	--	4.2	362	0	37	200
FEB. 18...	1730	.12	14	88	37	160	--	3.4	412	0	47	230
25...	1023	.13	16	94	39	--	170	--	460	0	47	240
MAR. 03...	1605	.23	11	89	33	--	160	--	370	0	56	240
24...	1340	.61	17	42	16	170	--	5.4	340	0	33	170
APR. 28...	1425	.43	14	69	29	140	--	6.4	360	0	33	190
JUNE 02...	1730	5.4	16	57	22	110	--	7.4	276	0	66	130
JULY 08...	1515	5.6	26	48	22	90	--	2.8	282	1	15	110
AUG. 12...	1000	2.7	62	57	24	80	--	14	310	0	14	100
SEP. 13...	1410	90	27	23	7.0	20	--	5.8	111	0	6.8	26

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	IODIDE (I) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	HARD-NESS (CA+MG) (MG/L)
NOV. 03...	.4	.000	.070	.74	.000	.05	.2	.13	110	386	77	200
DEC. 09...	.5	--	--	.24	.000	.00	.00	.050	--	610	--	300
JAN., 1971 13...	.5	--	--	.90	.000	.00	.00	.070	--	670	--	300
FEB. 18...	.7	--	--	.29	.000	.00	.00	.060	--	780	--	370
25...	.6	--	--	--	.020	.00	.1	.030	--	842	--	390
MAR. 03...	.5	--	--	--	.010	.09	.00	.080	--	762	--	360
24...	.8	1.2	.070	.65	.030	.00	.4	.20	190	621	78	170
APR. 28...	.7	--	--	.58	.000	.00	.1	.36	--	662	--	290
JUNE 02...	.6	--	--	1.2	.060	.51	.3	.26	--	548	--	230
JULY 08...	.6	.500	.099	.40	.000	.00	.00	.11	180	459	42	210
AUG. 12...	.6	.500	.190	.99	.000	1.2	.00	.39	160	510	24	240
SEP. 13...	.2	--	--	.27	.000	.47	.1	.21	80	172	36	86

DATE	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)
NOV. 03...	10	2.2	704	7.3	16.5	45	7.0	71	49	1.8	100	0
DEC. 09...	10	3.0	1090	7.3	20.0	10	6.0	65	94	1.0	--	--
JAN., 1971 13...	0	3.5	1200	7.6	21.0	30	8.4	93	12	2.5	--	--
FEB. 18...	34	3.6	1380	7.5	20.5	15	7.5	82	12	2.9	--	--
25...	17	3.7	1470	7.9	8.5	--	--	--	--	--	--	--
MAR. 03...	53	3.7	1380	8.1	14.5	--	--	--	--	--	--	--
24...	0	5.7	1090	7.8	19.5	50	8.6	92	30	12	10	0
APR. 28...	0	3.6	1200	7.4	25.0	15	4.8	57	33	2.9	--	--
JUNE 02...	6	3.1	961	7.7	28.5	50	6.0	77	52	7.1	--	--
JULY 08...	0	2.7	828	7.7	27.5	20	6.6	82	25	1.3	0	0
AUG. 12...	0	2.2	839	7.5	28.5	5	2.0	26	46	5.1	20	10
SEP. 13...	0	.9	278	6.9	28.0	15	3.9	49	38	5.5	50	0

TABLE 114.--08162650 CASHS CREEK NEAR BLESSING, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DIS-SOLVED CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRONTIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
NOV. 03...	0	0	0	8	21	0	0	21	<.5	4	290	0
DEC. 09...	--	--	--	--	--	--	--	--	--	--	--	--
JAN., 1971 13...	--	--	--	--	--	--	--	--	--	--	--	--
FEB. 18...	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--
MAR. 03...	--	--	--	--	--	--	--	--	--	--	--	--
24...	0	0	0	7	16	0	30	30	.7	0	270	13
APR. 28...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 02...	--	--	--	--	--	--	--	--	--	--	--	--
JULY 08...	0	0	0	3	100	0	10	11	1.0	0	450	20
AUG. 12...	0	0	2	2	570	0	10	2700	<.5	3	500	0
SEP. 13...	0	0	0	3	190	0	0	320	1.7	0	170	30

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
NOV. 03...	1600	1.3	.00	<.2	.00	.3	.00	.9	.00	<.2
MAR., 1971 24...	1340	.61	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JULY 08...	1515	5.6	.00	<.2	.00	<.2	.00	<.2	.00	<.2
AUG. 12...	1000	2.7	.00	<.2	.00	<.2	.00	.4	.00	<.2
SEP. 13...	1410	90	.00	--	.00	--	.00	--	.00	--

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM DE-POSITS (UG/KG)	LINDANE (UG/L)
NOV. 03...	.01	<.2	.00	<.2	.00	<.2	.00	<.2	.00
MAR., 1971 24...	.01	<.2	.00	<.2	.00	<.2	.00	<.2	.00
JULY 08...	.02	<.2	.00	<.2	.00	<.2	.00	<.2	.00
AUG. 12...	.02	.6	.00	<.2	.00	<.2	.00	<.2	.00
SEP. 13...	.01	--	.00	--	.00	--	.00	--	.00

DATE	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM DE-POSITS (UG/KG)	PARA-THION (UG/L)
NOV. 03...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
MAR., 1971 24...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
JULY 08...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
AUG. 12...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
SEP. 13...	--	.0	--	.00	.00	--	.00	--	.00

TABLE 114.--08162650 CASHS CREEK NEAR BLESSING, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTMBER 1971

DATE	PARA- THION IN BOTTOM DE- POSITS (UG/KG)	TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM DE- POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE- POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE- POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE- POSITS (UG/KG)
NOV. 03...	<.2	.0	<10	.00	<2.2	.00	<.7	.00	<.7
MAR... 1971 24...	<.2	.0	<10	.00	<.7	.00	<.2	.00	<.2
JULY 08...	<.2	.0	<10	.00	<1.6	.01	<.6	.00	<.4
AUG. 12...	<.2	.0	<10	.00	<.8	.00	<.2	.00	<.2
SEP. 13...	--	.0	--	.00	--	.02	--	.00	--

TABLE 115.--08162700 EAST CARANCAHUA CREEK NEAR BLESSING, TEX.  
(Lat 28°51'48", Long 96°17'05")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
NOV. 02...	1500	13	19	38	13	42	--	4.5	162	0
DEC. 10...	1600	.97	10	90	54	210	--	3.3	384	0
JAN., 1971 12...	1600	.87	11	86	52	190	--	3.3	386	0
FEB. 18...	1830	1.5	10	74	41	160	--	3.4	320	0
25...	1010	1.0	11	73	45	--	160	--	344	0
MAR. 04...	1015	1.1	14	73	48	--	160	--	336	0
25...	1245	10	15	52	24	100	--	5.6	276	0
APR. 28...	1630	5.7	18	60	26	83	--	6.3	292	0
JUNE 02...	1325	7.7	17	60	27	97	--	6.3	304	0
JULY 09...	1310	7.5	24	51	28	100	--	4.0	280	0
AUG. 12...	1510	15	45	46	16	68	--	14	228	0
SEP. 13...	1230	500	23	23	5.8	16	--	6.0	98	0

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	IODIDE (I) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
NOV. 02...	15	66	.3	.000	.060	.42	.000	.01	.1	.10
DEC. 10...	77	350	.7	--	--	.27	.000	.00	.00	.030
JAN., 1971 12...	75	320	.7	--	--	1.1	.000	.00	.00	.020
FEB. 18...	57	270	.7	--	--	.15	.000	.00	.00	.040
25...	54	270	.5	--	--	--	.010	.00	.1	.040
MAR. 04...	61	270	.5	--	--	--	.000	.08	.00	.020
25...	34	140	.5	.880	.060	.73	.000	.00	.1	.070
APR. 28...	30	120	.5	--	--	.57	.000	.00	.1	.080
JUNE 02...	33	140	.6	--	--	.51	.000	.00	.00	.10
JULY 09...	21	150	.6	.500	.076	.24	.000	.00	.00	.050
AUG. 12...	10	100	.4	.200	.070	.41	.000	.16	.00	.14
SEP. 13...	8.0	23	.2	--	--	.37	.000	.44	.1	.22

DATE	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
NOV. 02...	80	278	76	150	16	1.5	498	7.6	19.5	45
DEC. 10...	--	984	--	450	130	4.3	1750	7.5	22.0	10
JAN., 1971 12...	--	931	--	430	110	4.0	1670	7.8	20.0	8
FEB. 18...	--	766	--	350	91	3.7	1400	7.8	22.5	15
25...	--	789	--	370	86	3.6	1420	7.8	18.0	--
MAR. 04...	--	789	--	380	100	3.6	1420	8.0	11.0	--
25...	120	505	53	230	2	2.9	901	8.3	23.0	30
APR. 28...	--	486	--	260	17	2.3	864	7.9	28.5	40
JUNE 02...	--	527	--	260	12	2.6	940	8.2	29.5	40
JULY 09...	120	522	73	240	12	2.8	940	8.0	28.5	40
AUG. 12...	80	413	76	180	0	2.2	694	8.0	32.5	35
SEP. 13...	70	154	98	81	1	.8	242	7.1	27.0	55

TABLE 115.--08162700 EAST CARANCAHUA CREEK NEAR BLESSING, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATURATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	RIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)
NOV. 02...	9.0	97	44	1.7	100	0	0		0	0
DEC. 10...	8.4	95	44	2.8	--	--	--	--	--	--
JAN., 1971 12...	9.4	102	3	1.1	--	--	--	--	--	--
FEB. 18...	8.8	100	16	2.8	--	--	--	--	--	--
25...	--	--	--	2.9	--	0	--	--	--	--
MAR. 04...	--	--	26	3.4	--	--	--	--	--	--
25...	14.0	161	29	5.5	50	0	0	0	--	0
APR. 28...	8.3	106	23	3.0	--	--	--	--	--	--
JUNE 02...	8.2	106	29	3.6	--	--	--	--	--	--
JULY 09...	7.6	97	20	2.4	10	10	0	0	--	0
AUG. 12...	7.4	100	34	3.3	10	10	0	0	--	0
SEP. 13...	4.3	53	21	3.8	60	0	0	0	--	0

DATE	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
NOV. 02...	8	24	0	0	4	.7	4	280	0
DEC. 10...	--	--	--	--	--	--	--	--	--
JAN., 1971 12...	--	--	--	--	--	--	--	--	--
FEB. 18...	--	--	--	--	--	--	--	--	--
25...	--	16	0	--	40	<.5	--	--	--
MAR. 04...	--	--	--	--	--	--	--	--	--
25...	5	35	0	30	17	.6	0	540	4
APR. 28...	--	--	--	--	--	--	--	--	--
JUNE 02...	--	--	--	--	--	--	--	--	--
JULY 09...	3	10	0	30	4	9.0	0	660	0
AUG. 12...	4	130	0	10	7	<.5	3	460	0
SEP. 13...	4	130	0	0	3	2.0	0	160	40

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
NOV. 02...	1500	13	.00	<.2	.00	<.2	.00	<.2	.00	<.2
FEB., 1971 25...	1010	1.0	.00	<.2	.00	<.2	.00	<.2	.00	<.2
MAR. 04...	1015	1.1	.00	<.2	.00	.5	.00	<.2	.00	<.2
25...	1245	10	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JULY 09...	1310	7.5	.00	<.2	.00	<.2	.00	1.2	.00	<.2
AUG. 12...	1510	15	.00	<.2	.00	<.2	.00	<.2	.00	<.2
SEP. 13...	1230	500	.00	--	.00	--	.00	--	.00	--

TABLE 115.--08162700 EAST CARANCAHUA CREEK NEAR BLESSING, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM DE-POSITS (UG/KG)	LINDANE (UG/L)
NOV. 02...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
FEB., 1971 25...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
MAR. 04...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
25...	.01	<.2	.00	<.2	.00	<.2	.00	<.2	.00
JULY 09...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
AUG. 12...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
SEP. 13...	.01	--	.00	--	.00	--	.00	--	.00

DATE	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM DE-POSITS (UG/KG)	PARA-THION (UG/L)
NOV. 02...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
FEB., 1971 25...	<.2	.0	<1.0	--	.00	<.2	.00	<.2	.00
MAR. 04...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
25...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
JULY 09...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
AUG. 12...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
SEP. 13...	--	.0	--	.00	.00	--	.00	--	.00

DATE	PARA-THION IN BOTTOM DE-POSITS (UG/KG)	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
NOV. 02...	<.2	.0	<10	.00	<.8	.00	<.3	.00	<.3
FEB., 1971 25...	<.2	.0	<10	.00	--	.00	--	.00	--
MAR. 04...	<.2	.0	<10	.09	--	.00	--	.00	--
25...	<.2	.0	<10	.00	<1.8	.00	<.2	.00	<.2
JULY 09...	<.2	.0	<10	.00	<.8	.00	<.2	.00	<.2
AUG. 12...	<.2	.0	<10	.00	<.8	.00	<.2	.00	<.2
SEP. 13...	--	.0	--	.03	--	.00	--	.00	--



TABLE 116.--08162800 WEST CARANCAHUA CREEK NEAR LAWARD, TEX.  
(Lat 28°53'19", long 96°27'03")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED P0-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)
NOV. 02...	1305	3.3	35	40	9.8	44	7.3	182	0	8.2	60	.3
DEC. 10...	1440	.32	5.2	78	22	120	11	200	0	57	230	.6
MAR., 1971 24...	1145	4.0	23	97	24	96	10	324	0	40	180	.5
APR. 28...	1210	.11	12	79	24	100	8.4	224	0	25	220	.4
JUNE 02...	1205	1.9	14	70	24	92	7.1	184	0	37	200	.4
JULY 09...	1105	4.1	32	66	20	82	6.2	252	0	21	150	.4
AUG. 12...	1715	4.5	52	54	13	41	15	225	0	9.2	71	.3
SEP. 13...	1100	225	27	24	5.7	17	8.3	97	0	7.6	31	.2

DATE	PROMIDE (RR) (MG/L)	IODIDE (I) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)
NOV. 02...	.100	.020	.53	.000	.00	.1	.12	120	294	68	140	0
DEC. 10...	--	--	.87	.000	.00	.00	.15	--	622	--	280	120
MAR., 1971 24...	1.2	.050	.91	.090	.00	.6	.13	150	629	40	340	75
APR. 28...	--	--	.58	.000	.00	.1	.10	--	581	--	300	110
JUNE 02...	--	--	.41	.000	.00	.00	.040	--	540	--	270	120
JULY 09...	.500	.035	.26	.000	.00	.00	.060	160	498	90	250	40
AUG. 12...	.400	.057	.55	.000	.18	.00	.17	90	367	101	190	4
SEP. 13...	--	--	.36	.000	.38	.1	.21	80	170	66	83	4

DATE	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)
NOV. 02...	1.6	494	8.0	16.5	50	9.3	95	32	1.6	100	0	0
DEC. 10...	3.1	1140	8.2	23.5	15	10.1	117	93	3.5	--	--	--
MAR., 1971 24...	2.3	1100	8.2	19.5	20	13.8	148	24	9.6	0	0	0
APR. 28...	2.5	1080	8.1	27.5	15	8.0	100	26	3.0	--	--	--
JUNE 02...	2.4	1000	8.0	29.0	25	8.6	110	20	2.5	--	--	--
JULY 09...	2.3	874	8.0	25.5	45	7.3	88	20	2.2	0	10	0
AUG. 12...	1.3	602	8.0	35.0	60	9.8	138	32	5.3	10	10	0
SEP. 13...	.8	275	6.8	27.5	30	4.2	52	33	4.2	60	0	0

TABLE 116.--08162800 WEST CARANCAHUA CREEK NEAR LAWARD, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DIS-SOLVED CHROMIUM (CR) (UG/L)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRONTIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
NOV. 02...	--	0	1	7	22	1	0	9	.8	6	210	0
DEC. 10...	--	--	--	--	--	--	--	--	--	--	--	--
MAR., 1971 24...	0	--	0	6	3	0	30	6	.8	0	580	6
APR. 28...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 02...	--	--	--	--	--	--	--	--	--	--	--	--
JULY 09...	0	--	0	5	10	0	20	5	12	0	580	0
AUG. 12...	0	--	0	4	90	0	10	5	<.5	3	420	0
SEP. 13...	0	--	0	4	150	0	0	10	2.3	0	160	30

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
NOV. 02...	1305	3.3	--	<.2	--	<.2	--	<.2	--	<.2
MAR., 1971 24...	1145	4.0	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JULY 09...	1105	4.1	.00	<.2	.00	1.0	.00	3.1	.00	<.2
AUG. 12...	1715	4.5	.00	<.2	.00	<.2	.00	<.2	.00	<.2
SEP. 13...	1100	225	.00	--	.00	--	.00	--	.00	--

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM DE-POSITS (UG/KG)	LINDANE (UG/L)
NOV. 02...	--	<.2	--	<.2	--	<.2	--	<.2	--
MAR., 1971 24...	.01	<.2	.00	<.2	.00	<.2	.00	<.2	.00
JULY 09...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
AUG. 12...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
SEP. 13...	.00	--	.00	--	.00	--	.00	--	.00

DATE	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM DE-POSITS (UG/KG)	PARA-THION (UG/L)
NOV. 02...	<.2	--	<1.0	--	--	<.2	--	<.2	--
MAR., 1971 24...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
JULY 09...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.05
AUG. 12...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
SEP. 13...	--	.0	--	.00	.00	--	.00	--	.00

TABLE 116.--08162800 WEST CARANCAHUA CRÉEK NEAR LAWARD, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	PARA- THION IN BOTTOM DE- POSITS (UG/KG)	TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM DE- POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE- POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE- POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE- POSITS (UG/KG)
NOV. 02...	<.2	--	<10	.00	<8.2	.06	<1.6	.00	<1.1
MAR., 1971 24...	<.2	.0	<10	2.3	<1.7	.00	<.2	.00	<.2
JULY 09...	<.2	.0	<10	.00	<.6	.00	<.2	.00	<.2
AUG. 12...	<.2	.0	<10	.00	<1.8	.00	<.5	.00	<.5
SEP. 13...	--	.0	--	.00	--	.00	--	.00	--

TABLE 117.--08164000 LAVACA RIVER NEAR EDNA, TEX.  
(Lat 28°57'34", long 96°41'10")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
OCT.										
12...	1612	2100	--	34	1.9	--	109	0	--	11
13...	1308	2240	12	34	1.8	9.8	109	0	4.8	11
14...	1142	1280	--	32	1.7	--	106	0	--	14
29...	1310	646	17	61	3.5	41	192	0	19	52
DEC.										
16...	1530	35	21	110	6.2	59	362	0	24	74
FEB., 1971										
25...	1815	31	16	100	9.8	65	362	0	27	82
MAR.										
03...	1300	33	13	99	7.5	71	350	0	27	82
17...	0840	49	15	73	4.6	72	224	0	40	89
30...	1430	33	17	91	6.7	68	312	0	26	84
APR.										
21...	1245	259	16	66	4.7	77	264	0	24	77
29...	1400	29	30	60	5.5	98	304	0	23	78
JUNE										
03...	0957	15	28	74	1.8	72	265	0	20	78
JULY										
07...	1730	19	33	63	4.4	54	233	0	14	60
AUG.										
13...	1010	133	22	82	4.3	43	260	0	17	60
SEP.										
13...	1645	10900	12	28	2.0	7.9	100	0	4.2	4.4

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA, MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)
OCT.										
12...	--	--	--	--	--	--	93	3	--	222
13...	.2	--	--	.9	--	132	92	3	.4	225
14...	--	--	--	--	--	--	87	0	--	229
29...	.3	--	--	.9	--	292	170	9	1.4	508
DEC.										
16...	.4	--	--	.2	--	474	300	4	1.5	789
FEB., 1971										
25...	.3	.010	.10	.1	.090	483	300	4	1.7	814
MAR.										
03...	.3	.010	.10	.1	.12	473	280	0	1.9	831
17...	.5	--	--	1.7	--	412	200	18	2.2	683
30...	.4	--	--	.2	--	447	250	0	1.9	772
APR.										
21...	.3	--	--	.00	--	395	180	0	2.5	680
29...	.3	--	--	.1	--	444	170	0	3.2	795
JUNE										
03...	.4	--	--	.00	--	404	190	0	2.3	709
JULY										
07...	.3	--	--	.1	--	344	180	0	1.8	611
AUG.										
13...	.2	--	--	.2	--	357	220	9	1.3	622
SEP.										
13...	.2	--	--	.6	--	110	78	0	.4	177

TABLE 117.--08164000 LAVACA RIVER NEAR EDNA, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	PH (UNITS)	TEMP- ERATURE (DEG C)	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)
OCT.									
12...	7.2	21.0	--	--	--	--	--	--	--
13...	7.3	20.0	--	--	--	--	--	--	--
14...	7.1	20.5	--	--	--	--	--	--	--
29...	7.1	18.5	--	--	--	--	--	--	--
DEC.									
16...	8.0	15.5	--	--	--	--	--	--	--
FEB., 1971									
25...	8.0	19.5	--	1.5	0	10	0	50	<.5
MAR.									
03...	8.1	14.0	21	2.6	--	--	--	--	--
17...	7.8	17.0	--	--	--	--	--	--	--
30...	8.1	22.5	--	--	--	--	--	--	--
APR.									
21...	7.7	22.5	--	--	--	--	--	--	--
29...	7.9	25.5	--	--	--	--	--	--	--
JUNE									
03...	8.0	25.5	--	--	--	--	--	--	--
JULY									
07...	8.0	29.5	--	--	--	--	--	--	--
AUG.									
13...	7.5	27.5	--	--	--	--	--	--	--
SEP.									
13...	7.3	26.5	--	--	--	--	--	--	--

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE- POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE- POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE- POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE- POSITS (UG/KG)
OCT.										
29...	1310	646	.00	<.2	.00	<.2	.00	<.2	.00	<.2
FEB., 1971										
25...	1815	31	.00	<.2	.00	<.2	.00	<.2	.00	<.2
MAR.										
03...	1300	33	.00	<.2	.00	<.2	.00	.3	.00	<.2
30...	1430	33	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JULY										
07...	1730	19	.00	<.2	.00	<.2	.00	<.2	.00	<.2
AUG.										
13...	1010	133	.00	<.2	.00	<.2	.00	<.2	.00	<.2
SEP.										
13...	1645	10900	.00	--	.00	--	.00	--	.00	--

DATE	DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM DE- POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE- POSITS (UG/KG)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM DE- POSITS (UG/KG)	HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM DE- POSITS (UG/KG)	LINDANE (UG/L)
OCT.									
29...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
FEB., 1971									
25...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
MAR.									
03...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
30...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
JULY									
07...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
AUG.									
13...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
SEP.									
13...	.00	--	.00	--	.00	--	.00	--	.01

TABLE 117.--08164000 LAVACA RIVER NEAR EDNA, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	LINDANE IN BOTTOM DE- POSITS (UG/KG)	CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM DE- POSITS (UG/KG)	DI- AZINON (UG/L)	MALA- THION (UG/L)	MALA- THION IN BOTTOM DE- POSITS (UG/KG)	METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM DE- POSITS (UG/KG)	PARA- THION (UG/L)
OCT. 29...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
FEB., 1971 25...	<.2	.0	<1.0	--	.00	<.2	.00	<.2	.00
MAR. 03...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
30...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
JULY 07...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
AUG. 13...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
SEP. 13...	--	.0	--	.01	.00	--	.00	--	.00

DATE	PARA- THION IN BOTTOM DE- POSITS (UG/KG)	TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM DE- POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE- POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE- POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE- POSITS (UG/KG)
OCT. 29...	<.2	.0	<10	.00	<1.7	.02	<.2	.00	<.2
FEB., 1971 25...	<.2	.0	<10	.00	--	.00	--	.00	--
MAR. 03...	<.2	.0	<10	.00	--	.00	--	.00	--
30...	<.2	.0	<10	.00	<.6	.00	<.2	.00	<.2
JULY 07...	<.2	.0	<10	.00	<2.0	.00	<.6	.00	<.6
AUG. 13...	<.2	.0	<10	.00	<.9	.00	<.2	.00	<.2
SEP. 13...	--	.0	--	.02	--	.06	--	.00	--

TABLE 118.--08164500 NAVIDAD RIVER NEAR GANADO, TEX.  
(Lat 29°01'32", long 96°33'08")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
OCT.												
07...	1030	203	29	36	9.5	45	147	0	14	64	.2	.62
DEC.												
03...	1230	48	23	110	5.9	57	356	0	15	82	.3	.82
FEB., 1971												
03...	1300	41	19	97	5.7	56	302	0	15	88	.3	.12
25...	1615	42	16	94	7.7	63	312	0	20	89	.2	--
MAR.												
03...	1100	44	16	98	17	46	334	0	16	88	.2	--
APR.												
07...	0830	49	16	61	13	120	238	0	50	150	.5	1.2
JUNE												
03...	1145	9.2	23	66	8.8	66	254	0	24	77	.3	.37
AUG.												
18...	1145	60	27	83	6.1	39	268	0	13	58	.3	.26

DATE	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA, MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)
OCT.												
07...	.000	.00	.1	.090	270	30	26	130	8	1.7	465	7.2
DEC.												
03...	.000	.00	.00	.090	468	28	8	300	8	1.4	789	8.0
FEB., 1971												
03...	.000	.00	.00	.060	430	17	5	270	18	1.5	756	8.1
25...	.010	.00	.00	.080	443	--	--	270	10	1.7	758	7.9
MAR.												
03...	.000	.06	.00	.060	445	--	--	320	42	1.1	784	8.1
APR.												
07...	.46	.00	.6	.10	537	38	13	210	10	3.7	945	7.8
JUNE												
03...	.050	.16	.3	.13	392	20	13	200	0	2.0	685	8.1
AUG.												
18...	.000	.00	.00	.14	358	43	10	230	12	1.1	612	8.0

DATE	TEMPERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)
OCT.												
07...	25.0	40	40	5.2	62	33	1.8	2	.01	0	5	0
DEC.												
03...	21.5	15	4	8.4	94	43	.2	5	.01	--	--	--
FEB., 1971												
03...	16.0	3	6	10.1	101	6	.9	2	.00	0	0	0
25...	19.5	--	--	--	--	--	2.4	--	--	--	0	--
MAR.												
03...	12.0	--	--	--	--	18	1.9	--	--	--	--	--
APR.												
07...	12.5	24	20	9.0	84	28	4.3	0	.03	0	0	0
JUNE												
03...	27.5	10	10	8.2	102	18	2.9	0	.11	--	--	--
AUG.												
18...	28.0	30	6	8.2	104	23	3.0	0	.04	20	10	2

TABLE 118.--08164500 NAVIDAD RIVER NEAR GANADO, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DIS-SOLVED CHROMIUM (CR) (UG/L)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRONTIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT. 07...	--	0	0	2	47	1	0	2	<.5	5	200	0
DEC. 03...	--	--	--	--	--	--	--	--	--	--	--	--
FEB., 1971												
03...	0	--	0	0	4	0	10	20	<.5	0	340	3
25...	--	--	--	--	17	0	--	20	<.5	--	--	--
MAR. 03...	--	--	--	--	--	--	--	--	--	--	--	--
APR. 07...	0	--	0	4	30	0	20	14	<.5	0	440	0
JUNE 03...	--	--	--	--	--	--	--	--	--	--	--	--
AUG. 18...	0	--	0	4	50	0	10	10	<.5	2	340	10

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
OCT. 07...	1030	203	.00	<.2	.00	<.2	.00	.6	.02	<.2
FEB. 03...	1300	41	.00	<.2	.00	<.2	.00	<.2	.00	<.2
25...	1615	42	.00	<.2	.00	<.2	.00	1.2	.00	<.2
MAR. 03...	1100	44	.00	<.2	.00	<.2	.00	<.2	.00	<.2
APR. 07...	0830	49	.00	<.2	.00	<.2	.00	<.2	.00	<.2
AUG. 18...	1145	60	.00	<.2	.00	<.2	.00	<.2	.00	<.2

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM DE-POSITS (UG/KG)	LINDANE (UG/L)
OCT. 07...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
FEB. 03...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
25...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
MAR. 03...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
APR. 07...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
AUG. 18...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00

DATE	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL-PARA-THION (UG/L)	METHYL-PARA-THION IN BOTTOM DE-POSITS (UG/KG)	PARA-THION (UG/L)
OCT. 07...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
FEB. 03...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
25...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
MAR. 03...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
APR. 07...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
AUG. 18...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00



TABLE 118.--08164500 NAVIDAD RIVER NEAR GANADO, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	PARA- THION IN BOTTOM DE- POSITS (UG/KG)	TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM DE- POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE- POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE- POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE- POSITS (UG/KG)
OCT. 07...	<.2	.0	<10	.00	<5.5	.00	<.8	.00	<.6
FEB. 03...	<.2	.0	<10	.00	<4.9	.00	<.6	.00	<.5
25...	<.2	.0	<10	.00	--	.00	--	.00	--
MAR. 03...	<.2	.0	<10	.00	--	.00	--	.00	--
APR. 07...	<.2	.0	<10	.00	<.5	.00	<.2	.00	<.2
AUG. 18...	<.2	.0	<10	.00	<1.3	.00	<.3	.00	<.3

TABLE 119.--08164600 GARCITAS CREEK NEAR INEZ, TEX.  
(Lat 28°53'28", Long 96°49'08")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
NOV. 03...	1500	.60	21	41	5.1	25	--	2.5	146	0
DEC. 10...	1130	.60	24	68	8.3	35	--	2.3	220	0
JAN., 1971 12...	1030	.74	9.4	73	10	45	--	4.0	246	0
FEB. 16...	1800	.27	13	56	9.6	55	--	2.0	184	4
26...	1235	.54	10	50	13	--	56	--	189	0
MAR. 03...	1445	.54	10	52	12	--	57	--	196	0
24...	0915	1.0	9.6	48	11	63	--	2.1	188	0
APR. 29...	1230	.27	18	44	12	110	--	6.2	248	0
JULY 07...	2015	.02	25	54	7.0	39	--	4.0	199	0
AUG. 13...	1510	1.9	25	28	4.4	28	--	5.4	126	0
SEP. 12...	1350	1830	8.4	5.6	1.1	2.3	--	2.8	24	0

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	IODIDE (I) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
NOV. 03...	13	30	.2	.000	.060	.48	.000	.08	.1	.060
DEC. 10...	32	46	.3	--	--	.65	.000	.00	.00	.030
JAN., 1971 12...	40	60	.3	--	--	.95	.000	.00	.00	.010
FEB. 16...	40	69	.3	--	--	.39	.000	.00	.00	.020
26...	42	71	.3	--	--	--	.010	.10	.1	.000
MAR. 03...	39	73	.2	--	--	--	.020	.10	.00	.010
24...	40	79	.3	.880	.100	.37	.000	.00	.1	.030
APR. 29...	21	120	.6	--	--	.42	.000	.00	.1	.030
JULY 07...	18	50	.3	.100	.078	.16	.000	.00	.00	.000
AUG. 13...	4.4	33	.2	.300	.051	.52	.000	.21	.00	.040
SEP. 12...	.4	3.2	.0	--	--	.34	.000	.40	.1	.060

DATE	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
NOV. 03...	90	210	143	120	4	1.0	353	7.8	18.0	80
DEC. 10...	--	324	--	200	23	1.1	530	7.8	22.0	10
JAN., 1971 12...	--	363	--	220	22	1.3	624	8.1	18.0	10
FEB. 16...	--	339	--	180	22	1.8	585	8.0	20.5	10
26...	--	336	--	180	22	1.8	606	7.8	24.0	--
MAR. 03...	--	339	--	180	18	1.9	622	7.7	17.5	--
24...	220	346	31	160	11	2.1	612	8.2	19.0	10
APR. 29...	--	450	--	160	0	3.8	797	8.0	26.0	30
JULY 07...	180	295	14	160	0	1.3	495	7.7	30.0	6
AUG. 13...	60	191	131	88	0	1.3	310	7.0	33.0	55
SEP. 12...	70	37	103	18	0	.2	56	6.2	25.0	25

TABLE 119.--08164600 GARCITAS CREEK NEAR INEZ, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	DIS-SOLVED ALUMINUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)
NOV. 03...	8.2	86	38	1.4	100	0	0	--	0	0
DEC. 10...	8.8	100	81	1.9	--	--	--	--	--	--
JAN., 1971 12...	10.7	113	10	2.9	--	--	--	--	--	--
FEB. 16...	4.5	49	14	2.2	--	--	--	--	--	--
26...	--	--	--	1.3	--	0	--	--	--	--
MAR. 03...	--	--	30	3.8	--	--	--	--	--	--
24...	11.8	126	19	3.4	0	0	0	0	--	0
APR. 29...	8.4	102	25	1.0	--	--	--	--	--	--
JULY 07...	5.5	72	16	1.2	--	--	--	--	--	--
AUG. 13...	7.4	101	31	2.5	120	0	0	0	--	0
SEP. 12...	5.6	67	37	3.0	120	0	0	0	--	0

DATE	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRONTIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
NOV. 03...	5	21	0	0	17	1.4	5	110	0
DEC. 10...	--	--	--	--	--	--	--	--	--
JAN., 1971 12...	--	--	--	--	--	--	--	--	--
FEB. 16...	--	--	--	--	--	--	--	--	--
26...	--	12	0	--	30	<.5	--	--	--
MAR. 03...	--	--	--	--	--	--	--	--	--
24...	2	12	0	20	14	.8	0	190	7
APR. 29...	--	--	--	--	--	--	--	--	--
JULY 07...	--	--	--	--	--	--	--	--	--
AUG. 13...	4	150	0	0	4	<.5	2	220	0
SEP. 12...	4	230	0	0	1	3.0	0	40	20

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DEPOSIT (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DEPOSIT (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DEPOSIT (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DEPOSIT (UG/KG)
NOV. 03...	1500	.60	.00	<.2	.00	<.2	.00	<.2	.00	<.2
FEB., 1971 26...	1235	.54	.00	<.2	.00	<.2	.00	<.2	.00	<.2
MAR. 03...	1445	.54	.00	<.2	.00	<.2	.00	<.2	.00	<.2
24...	0915	1.0	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JULY 07...	2015	.02	.00	<.2	.00	<.2	.00	<.2	.00	<.2
AUG. 13...	1510	1.9	.00	<.2	.00	<.2	.00	<.2	.00	<.2
SEP. 12...	1350	1830	.00	--	.00	--	.00	--	.00	--

TABLE 119.--08164600 GARCITAS CREEK NEAR INEZ, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM DE-POSITS (UG/KG)	LINDANE (UG/L)
NOV. 03...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
FEB., 1971 26...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
MAR. 03...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
24...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
JULY 07...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
AUG. 13...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
SEP. 12...	.00	--	.00	--	.00	--	.00	--	.00

DATE	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM DE-POSITS (UG/KG)	PARA-THION (UG/L)
NOV. 03...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
FEB., 1971 26...	<.2	.0	<1.0	--	.00	<.2	.00	<.2	.00
MAR. 03...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
24...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
JULY 07...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
AUG. 13...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
SEP. 12...	--	.0	--	.00	.00	--	.00	--	.00

DATE	PARA-THION IN BOTTOM DE-POSITS (UG/KG)	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
NOV. 03...	<.20	.0	<10	.00	<1.1	.00	<.3	.00	<.3
FEB., 1971 26...	<.20	.0	<10	.00	--	.00	--	.00	--
MAR. 03...	<.20	.0	<10	.00	--	.00	--	.00	--
24...	<.20	.0	<10	.00	<1.4	.00	<.1	.00	<.1
JULY 07...	<.20	.0	<10	.00	<.5	.00	<.3	.00	<.3
AUG. 13...	<.20	.0	<10	.00	<.9	.00	<.3	.00	<.3
SEP. 12...	--	.0	--	.00	--	.00	--	.00	--

TABLE 120.--08164800 PLACEDO CREEK NEAR PLACEDO, TEX.  
(Lat 28°43'30", Long 96°46'07")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
NOV.										
04...	0815	1.3	39	160	28	310	--	5.7	300	0
DEC.										
10...	1800	.60	37	430	67	800	--	4.0	416	0
JAN., 1971										
13...	1700	.38	32	440	66	850	--	3.3	410	0
FEB.										
19...	1045	.48	28	420	64	870	--	4.0	392	0
26...	1110	.96	30	470	81	--	920	--	375	0
MAR.										
03...	1710	.30	28	510	88	--	1000	--	348	0
25...	0945	.19	30	450	72	890	--	4.3	360	0
APR.										
29...	1900	.24	30	290	23	530	--	5.7	306	0
JUNE										
02...	1025	.30	21	130	19	260	--	8.0	258	0
JULY										
05...	2010	.60	24	84	14	220	--	5.4	288	0
AUG.										
11...	1440	8.7	41	34	7.4	75	--	12	187	0
SEP.										
11...	1455	5810	9.9	5.7	1.5	2.8	--	4.0	24	0

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	IODIDE (I) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
NOV.										
04...	33	650	.5	1.9	.370	.55	.000	.00	.00	.26
DEC.										
10...	57	1900	.5	--	--	.33	.000	.00	.00	.090
JAN., 1971										
13...	66	2000	.5	--	--	.45	.000	.00	.00	.040
FEB.										
19...	63	2000	.6	--	--	.30	.000	.00	.00	.050
26...	63	2200	.5	--	--	--	.020	.00	.1	.030
MAR.										
03...	84	2400	.4	--	--	--	.010	.05	.00	.030
25...	60	2100	.5	6.7	.440	.23	.000	.00	.4	.090
APR.										
29...	29	1200	.5	--	--	.50	.000	.00	.1	.19
JUNE										
02...	22	530	.4	--	--	.52	.010	.07	.1	.26
JULY										
05...	20	340	.5	.800	.180	.54	.010	.07	.1	.40
AUG.										
11...	8.0	89	.3	.300	.074	.66	.010	.28	.1	.62
SEP.										
11...	2.0	4.0	.1	--	--	.55	.000	.40	.3	.19

DATE	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
NOV.										
04...	500	1380	37	510	270	5.9	2490	7.2	13.5	20
DEC.										
10...	--	3500	--	1300	1000	9.5	6280	6.9	21.0	10
JAN., 1971										
13...	--	3660	--	1400	1000	10	6600	7.4	19.5	20
FEB.										
19...	--	3610	--	1300	980	11	6540	7.1	20.0	10
26...	--	3950	--	1500	1200	10	7120	7.2	19.5	--
MAR.										
03...	--	4310	--	1600	1300	11	7690	7.6	17.0	--
25...	1500	3810	40	1400	1100	10	6870	7.2	20.5	15
APR.										
29...	--	2300	--	830	570	8.1	4150	7.0	26.0	10
JUNE										
02...	--	1120	--	400	190	5.6	2080	7.3	26.0	35
JULY										
05...	340	852	81	270	31	5.9	1570	7.3	29.0	40
AUG.										
11...	260	360	132	120	0	3.0	605	7.6	29.5	55
SEP.										
11...	40	44	292	20	1	.3	64	6.1	24.0	110

TABLE 120.--08164800 PLACEDO CREEK NEAR PLACEDO, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	DIS-SOLVED ALUMINUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)
NOV. 04...	4.7	45	31	1.8	100	6	0	--	0	1
DEC. 10...	4.2	48	100	4.2	--	--	--	--	--	--
JAN., 1971 13...	10.2	112	17	1.2	--	--	--	--	--	--
FEB. 19...	4.6	51	17	2.2	--	--	--	--	--	--
26...	--	--	--	1.9	--	0	--	--	--	--
MAR. 03...	--	--	46	3.5	--	--	--	--	--	--
25...	7.0	79	29	3.6	0	0	0	0	--	0
APR. 29...	5.4	67	20	1.6	--	--	--	--	--	--
JUNE 02...	4.4	54	25	2.9	--	--	--	--	--	--
JULY 05...	4.6	59	27	1.6	10	10	0	0	--	0
AUG. 11...	5.1	66	44	4.1	150	10	0	0	--	1
SEP. 11...	5.8	68	27	2.9	190	0	0	0	--	0

DATE	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRONTIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
NOV. 04...	3	73	0	40	22	1.2	4	1600	0
DEC. 10...	--	--	--	--	--	--	--	--	--
JAN., 1971 13...	--	--	--	--	--	--	--	--	--
FEB. 19...	--	--	--	--	--	--	--	--	--
26...	--	16	0	--	430	<.5	--	--	--
MAR. 03...	--	--	--	--	--	--	--	--	--
25...	0	5	0	80	500	.8	0	4700	12
APR. 29...	--	--	--	--	--	--	--	--	--
JUNE 02...	--	--	--	--	--	--	--	--	--
JULY 05...	4	30	0	30	53	2.4	2	920	20
AUG. 11...	4	310	0	10	5	.6	2	380	0
SEP. 11...	4	70	4	0	0	2.3	0	80	20

TABLE 120.--08164800 PLACEDO CREEK NEAR PLACEDO, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
NOV. 04...	0815	1.3	.00	<.2	.00	.4	.00	.3	.00	<.2
FEB. 26...	1110	.96	.00	<.2	.00	1.1	.00	1.3	.00	<.2
MAR. 03...	1710	.30	.00	<.2	.00	.8	.00	.7	.00	<.2
MAR. 25...	0945	.19	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JULY 05...	2010	.60	.00	<.2	.00	.4	.00	.5	.00	<.2
AUG. 11...	1440	8.7	.00	<.2	.00	<.2	.00	<.2	.00	<.2
SEP. 11...	1455	5810	.00	--	.00	--	.00	--	.00	--

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM DE-POSITS (UG/KG)	LINDANE (UG/L)
NOV. 04...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
FEB. 26...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
MAR. 03...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
MAR. 25...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
JULY 05...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
AUG. 11...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
SEP. 11...	.00	--	.00	--	.00	--	.00	--	.00

DATE	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM DE-POSITS (UG/KG)	PARA-THION (UG/L)
NOV. 04...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
FEB. 26...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
MAR. 03...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
MAR. 25...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
JULY 05...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
AUG. 11...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
SEP. 11...	--	.0	--	.00	.00	--	.00	--	.00

DATE	PARA-THION IN BOTTOM DE-POSITS (UG/KG)	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
NOV. 04...	<.2	.0	<10	.00	<1.0	.00	<.3	.00	<.3
FEB. 26...	<.2	.0	<10	.00	--	.00	--	.00	--
MAR. 03...	<.2	.0	<10	.00	--	.00	--	.00	--
MAR. 25...	<.2	.0	<10	.00	<1.0	.00	<.1	.00	<.1
JULY 05...	<.2	.0	<10	.00	<.4	.04	<.1	.00	<.1
AUG. 11...	<.2	.0	<10	.00	<.6	.04	<.2	.00	<.2
SEP. 11...	--	.0	--	.00	--	.00	--	.00	--

TABLE 121.--08164850 CHOCOLATE BAYOU AT PORT LAVACA, TEX.  
(Lat 28°35'40", long 96°41'48")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
NOV.										
04...	1030	.04	45	130	27	300	--	7.3	388	0
DEC.										
09...	0940	.10	43	210	43	430	--	9.4	496	0
JAN.										
13...	1645	.04	31	230	47	480	--	10	540	0
FEB.										
17...	1830	.04	19	270	58	580	--	10	480	0
26...	0900	.11	20	250	66	--	530	--	442	0
MAR.										
03...	1820	.03	25	270	67	--	560	--	464	0
25...	0840	.08	21	140	28	340	--	9.7	364	0
APR.										
28...	1815	.01	15	69	16	330	--	10	254	0
JUNE										
01...	1540	.82	17	68	14	300	--	8.6	280	0
JULY										
09...	1530	1.1	26	45	9.8	200	--	5.4	280	0
AUG.										
11...	1215	8.6	47	32	6.4	80	--	12	160	0
SEP.										
15...	0935	973	21	13	2.0	6.6	--	5.2	57	0

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	IODIDE (I) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
NOV.										
04...	44	510	.7	.700	.420	.60	.000	2.0	.00	1.6
DEC.										
09...	65	830	.4	--	--	.98	.000	7.3	.00	3.6
JAN.										
13...	87	940	.5	--	--	1.8	.020	8.3	.00	5.7
FEB.										
17...	120	1200	.5	--	--	1.3	.44	2.6	.00	4.1
26...	120	1100	.4	--	--	--	.13	1.3	.6	3.7
MAR.										
03...	130	1200	.3	--	--	--	.26	.79	.3	3.1
25...	54	610	.4	2.4	.230	.06	.000	1.2	.1	1.6
APR.										
28...	25	520	.7	--	--	1.1	.10	1.9	.1	1.3
JUNE										
01...	61	430	.6	--	--	.74	.070	.70	.1	.45
JULY										
09...	8.0	260	.5	1.2	.150	.49	.020	.52	.1	.40
AUG.										
11...	14	100	.4	.500	.110	.89	.080	.54	.4	.26
SEP.										
15...	.8	8.6	.1	--	--	.23	.000	.27	.1	.17

DATE	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL NON-FILT-RAHLE RESIDUE (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	TUR-BID-ITY (JTU)
NOV.										
04...	420	1260	11	440	120	6.3	2240	7.1	12.0	4
DEC.										
09...	--	1880	--	700	290	7.1	3270	7.2	19.0	30
JAN.										
13...	--	2080	--	760	320	7.5	3670	7.2	20.5	9
FEB.										
17...	--	2460	--	910	520	8.4	4300	7.4	20.5	8
26...	--	2310	--	890	530	7.7	4020	7.1	17.0	--
MAR.										
03...	--	2460	--	950	570	7.9	4230	7.6	14.0	--
25...	380	1390	24	470	170	6.9	2500	7.3	19.0	3
APR.										
28...	--	1110	--	240	30	9.3	2040	7.2	25.5	50
JUNE										
01...	--	1040	--	230	0	8.7	1880	7.4	27.5	2
JULY										
09...	380	692	54	150	0	7.0	1250	7.3	26.0	20
AUG.										
11...	240	374	108	110	0	3.4	622	7.2	29.0	50
SEP.										
15...	40	86	25	41	0	.5	128	6.7	26.5	20



TABLE 121.--08164850 CHOCOLATE BAYOU AT PORT LAVACA, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	DIS-SOLVED ALUMINUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	HEXAVALENT CHROMIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)
NOV. 04...	1.3	12	44	5.1	100	9	0	--	0	1
DEC. 09...	2.1	23	250	6.6	--	--	--	--	--	--
JAN. 13...	1.2	13	63	7.9	--	--	--	--	--	--
FEB. 17...	6.3	70	43	9.0	--	--	--	--	--	--
26...	--	--	--	8.4	--	0	--	--	--	--
MAR. 03...	--	--	57	7.4	--	--	--	--	--	--
25...	1.8	19	44	6.3	10	0	0	0	--	0
APR. 28...	1.4	17	49	7.5	--	--	--	--	--	--
JUNE 01...	2.3	29	31	3.8	--	--	--	--	--	--
JULY 09...	3.2	39	23	2.7	20	10	0	0	--	0
AUG. 11...	1.8	23	50	7.3	30	10	0	0	--	0
SEP. 15...	1.7	21	24	2.4	80	10	0	0	--	0

DATE	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRONTIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
NOV. 04...	2	67	0	0	1200	7.3	4	690	0
DEC. 09...	--	--	--	--	--	--	--	--	--
JAN. 13...	--	--	--	--	--	--	--	--	--
FEB. 17...	--	--	--	--	--	--	--	--	--
26...	--	51	0	--	1000	<.5	--	--	--
MAR. 03...	--	--	--	--	--	--	--	--	--
25...	0	80	0	20	1200	.6	0	660	9
APR. 28...	--	--	--	--	--	--	--	--	--
JUNE 01...	--	--	--	--	--	--	--	--	--
JULY 09...	2	70	0	10	48	2.5	0	240	0
AUG. 11...	5	100	0	0	33	.6	4	280	0
SEP. 15...	3	70	0	0	5	1.3	0	80	30

TABLE 121.--08164850 CHOCOLATE BAYOU AT PORT LAVACA, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
NOV. 04...	1030	.04	.00	<.2	.01	47	.00	230	.00	100
FEB. 26...	0900	.11	.00	<.2	.00	10	.00	34	.00	7.9
MAR. 03...	1820	.03	.00	<.2	.00	5.0	.00	12	.00	<.2
MAR. 25...	0840	.08	.00	<.2	.00	370	.00	190	.00	44
JULY 09...	1530	1.1	.00	<.2	.00	23	.00	37	.00	<.2
AUG. 11...	1215	8.6	.00	<.2	.00	62	.00	210	.00	7.7
SEP. 15...	0935	973	.00	--	.00	--	.00	--	.00	--

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOT-TOM DE-POSITS (UG/KG)	LINDANE (UG/L)	LINDANE IN BOTTOM DE-POSITS (UG/KG)
NOV. 04...	.01	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2
FEB. 26...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.01	<.2
MAR. 03...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.01	<.2
MAR. 25...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JULY 09...	.01	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2
AUG. 11...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.04	<.2
SEP. 15...	.00	--	.00	--	.00	--	.00	--	.00	--

DATE	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOT-TOM DE-POSITS (UG/KG)	PARA-THION (UG/L)	PARA-THION IN BOTTOM DE-POSITS (UG/KG)
NOV. 04...	.0	<1.0	.08	.00	<.2	.00	<.2	.00	<.2
FEB. 26...	.0	<1.0	--	.00	<.2	.00	<.2	.00	<.2
MAR. 03...	.0	<1.0	.10	.00	<.2	.00	<.2	.00	<.2
MAR. 25...	.0	<1.0	.00	.00	<.2	.00	<.2	.00	<.2
JULY 09...	.0	<1.0	.00	.00	<.2	.00	<.2	.00	<.2
AUG. 11...	.0	<1.0	.00	.00	<.2	.00	<.2	.00	<.2
SEP. 15...	.0	--	.00	.00	--	.00	--	.00	--

DATE	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
NOV. 04...	.0	<10	.00	<13	.00	<2.5	.00	<1.7
FEB. 26...	.0	<10	.00	--	.01	--	.00	--
MAR. 03...	.0	<10	.00	--	.00	--	.00	--
MAR. 25...	.0	<10	.00	<2.0	.00	<.3	.00	<.2
JULY 09...	.0	<10	.00	<1.7	.02	<.5	.00	<.4
AUG. 11...	.0	<10	.00	<1.4	.00	<.4	.00	<.4
SEP. 15...	.0	--	.00	--	.00	--	.00	--

TABLE 122.--08169580 GUADALUPE RIVER AT LAKE DUNLAP, BELOW NEW BRAUNFELS, TEX.  
(Lat 29°40'00", long 98°04'14")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	SILICA (SiO <sub>2</sub> ) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	SODIUM PLUS PO- TAS- SIUM (NA+K) (MG/L)	BICAR- BONATE (HCO <sub>3</sub> ) (MG/L)	CAR- BONATE (CO <sub>3</sub> ) (MG/L)	SULFATE (SO <sub>4</sub> ) (MG/L)
OCT.								
09...	1315	12	71	16	17	270	0	22
DEC.								
01...	1030	12	73	17	13	264	0	24
FEB., 1971								
01...	0730	12	71	17	18	268	0	25
APR.								
05...	0905	12	73	17	22	272	0	27
JUNE								
01...	0900	13	66	16	22	250	0	25
AUG.								
16...	0910	12	67	15	14	248	0	22

DATE	CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA, MG) (MG/L)
OCT.									
09...	23	.2	.13	.000	.00	1.0	.11	299	240
DEC.									
01...	23	.3	.37	.010	.00	1.2	.13	298	250
FEB., 1971									
01...	26	.2	--	.010	.00	1.0	.12	306	250
APR.									
05...	32	.2	--	.000	.00	1.1	.24	322	250
JUNE									
01...	31	.2	--	.020	.00	.7	.21	299	230
AUG.									
16...	21	.2	--	.010	.00	.8	.090	277	230

DATE	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)	TEMP- ERATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)
OCT.								
09...	22	.5	515	7.5	24.5	6.1	73	.6
DEC.								
01...	36	.4	524	7.5	23.0	6.9	79	.4
FEB., 1971								
01...	28	.5	539	7.2	16.5	7.1	72	1.4
APR.								
05...	29	.6	567	7.8	18.5	8.5	90	1.7
JUNE								
01...	26	.6	521	7.9	26.5	7.8	95	2.9
AUG.								
16...	26	.4	483	7.4	27.5	6.8	85	1.8

TABLE 123.--08171700 COTTONWOOD CREEK AT STATE HIGHWAY 123, NEAR SAN MARCOS, TEX.  
(Lat 29°50'11", lon 97°56'28")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
OCT. 29...	0900	9.9	44	3.7	18	129	0	32

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
OCT. 29...	16	.4	.040	.00	.3	.16	188	120	19

DATE	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND (MG/L)
OCT. 29...	.7	335	7.1	15.5	50	9.3	92	1.9

TABLE 124.--08171800 COTTONWOOD LAKE AT DAM 13, NEAR SAN MARCOS, TEX.  
(Lat 29°49'12", long 97°55'27")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE- SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS- SIUM (MG/L)	DIS-SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLO- RIDE (CL) (MG/L)
OCT. 29...	1030	9.2	40	3.3	--	24	--	90	0	42	32
APR. 08...	0945	8.8	58	7.3	42	--	8.5	172	0	46	55
JUNE 03...	1700	8.6	52	7.7	--	49	--	158	0	50	61

DATE	DIS-SOLVED FLUO- RIDE (F) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)
OCT. 29...	.6	.030	.00	.6	.19	--	198	110	40	1.0	343
APR. 08...	.3	.000	.00	.1	.16	180	311	170	34	1.4	542
JUNE 03...	.4	.000	.03	.00	.14	180	307	160	32	1.7	562

DATE	PH (UNITS)	TEMP- ERATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMMF- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
OCT. 29...	6.9	20.0	--	35	7.9	86	2.3	--	--	--	--
APR. 08...	7.1	15.5	20	45	8.8	87	9.3	3200	24	28	.02
JUNE 03...	8.5	29.0	0	40	9.5	122	6.2	7200	0	0	.00

TABLE 124.--08171800 COTTONWOOD LAKE AT DAM 13, NEAR SAN MARCOS, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE- POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE- POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE- POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE- POSITS (UG/KG)	DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM DE- POSITS (UG/KG)
OCT. 29...	1030	.00	--	.00	--	.00	--	.00	--	.00	--
JUNE 03...	1700	.00	<.2	.00	1.1	.00	3.7	.00	<.2	.00	<.2

DATE	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE- POSITS (UG/KG)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM DE- POSITS (UG/KG)	HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM DE- POSITS (UG/KG)	LINDANE (UG/L)	LINDANE IN BOTTOM DE- POSITS (UG/KG)	CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM DE- POSITS (UG/KG)	DI- AZINON (UG/L)
OCT. 29...	.00	--	.00	--	.00	--	.00	--	.0	--	.00
JUNE 03...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.0	<1.0	.00

DATE	MALA- THION (UG/L)	MALA- THION IN BOTTOM DE- POSITS (UG/KG)	METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM DE- POSITS (UG/KG)	PARA- THION (UG/L)	PARA- THION IN BOTTOM DE- POSITS (UG/KG)	TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM DE- POSITS (UG/KG)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
OCT. 29...	.00	--	.00	--	.00	--	.0	--	.10	.00	.00
JUNE 03...	.00	<.2	.00	<.2	.00	<.2	.0	<10	.00	.00	.00

TABLE 125.--08176520 GUADALUPE RIVER BELOW VICTORIA, TEX.  
(Lat 28°45'10", long 97°00'30")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE- SIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS- SIUM (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)
OCT. 07...	1245	855	13	72	17	35	266	0	34	49	.2	.17
DEC. 02...	1700	684	9.5	80	17	33	288	0	34	47	.2	.12
FEB. 03...	1010	630	11	79	18	31	282	0	34	48	.3	.24
APR. 06...	1930	412	12	74	17	48	280	0	37	62	.3	.04
JUNE 02...	1740	323	16	68	16	54	260	0	41	67	.3	.25
AUG. 18...	0900	654	13	45	8.4	25	154	0	26	32	.2	.34

DATE	TOTAL NITRITE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (SUM OF COASTI- TUENTS) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	LOSS ON IGNI- TION (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)
OCT. 07...	.000	.00	1.0	.22	356	41	35	250	32	1.0	621	7.7
DEC. 02...	.010	.00	.9	.15	367	44	10	270	34	.9	632	7.8
FEB. 03...	.000	.00	1.3	.21	366	33	7	270	40	.8	643	8.0
APR. 06...	.000	.00	.8	.24	392	50	12	250	25	1.3	682	7.9
JUNE 02...	.010	.00	.4	.29	392	24	16	240	22	1.5	685	8.0
AUG. 18...	.020	.00	.9	.24	230	117	13	150	21	.9	399	7.6

DATE	TEMP- ERATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)	DIS- SOLVED ALUM- INUM (AL) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)
OCT. 07...	27.0	6	15	5.7	70	3	.7	0	.04	100	0	0
DEC. 02...	21.0	6	8	8.9	99	27	.7	3	.00	--	--	--
FEB. 03...	15.5	2	20	9.4	93	6	1.3	0	.00	40	0	0
APR. 06...	21.5	2	25	8.6	97	8	2.3	0	.04	0	0	0
JUNE 02...	30.0	0	15	7.8	103	6	1.8	0	.03	--	--	--
AUG. 18...	29.0	20	55	6.5	83	15	2.1	0	.00	10	0	0

DATE	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED LITHIUM (LI) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	DIS- SOLVED STRON- TIUM (SR) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT. 07...	--	0	0	2	7	0	20	2	<.5	4	460	0
DEC. 02...	--	--	--	--	--	--	--	--	--	--	--	--
FEB. 03...	0	--	0	4	23	0	10	4	<.5	0	560	4
APR. 06...	0	--	0	3	10	0	20	13	<.5	0	620	0
JUNE 02...	--	--	--	--	--	--	--	--	--	--	--	--
AUG. 18...	0	--	0	3	10	0	10	2	<.5	1	360	0

TABLE 125.--08176520 GUADALUPE RIVER BELOW VICTORIA, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
OCT. 07...	1245	855	.00	<.2	.00	3.6	.00	4.4	.01	8.9
FEB. 03...	1010	630	.00	<.2	.00	.8	.00	1.0	.00	<.2
APR. 06...	1930	412	.00	<.2	.00	1.5	.00	1.1	.00	<.2
AUG. 18...	0900	654	.00	<.2	.00	1.0	.00	.7	.00	.3

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOT-TOM DE-POSITS (UG/KG)	LINDANE (UG/L)	LINDANE IN BOTTOM DE-POSITS (UG/KG)
OCT. 07...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2
FEB. 03...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2
APR. 06...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2
AUG. 18...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2

DATE	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOT-TOM DE-POSITS (UG/KG)	PARA-THION (UG/L)	PARA-THION IN BOTTOM DE-POSITS (UG/KG)
OCT. 07...	.0	<1.0	.00	.00	<.2	.00	<.2	.00	<.2
FEB. 03...	.0	<1.0	.00	.00	<.2	.00	<.2	.00	<.2
APR. 06...	.0	8.3	.00	.00	<.2	.00	<.2	.00	<.2
AUG. 18...	.0	<1.0	.00	.00	<.2	.00	<.2	.00	<.2

DATE	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
OCT. 07...	.0	<10	.00	<2.6	.00	<.4	.00	<.3
FEB. 03...	.0	<10	.00	<.7	.00	<.1	.00	<.1
APR. 06...	.0	<10	.00	<.6	.00	<.2	.00	<.2
AUG. 18...	.0	<10	.00	<.6	.02	<.2	.00	<.2



TABLE 126.--08177700 OLMOS CREEK AT DRESDEN DRIVE, AT SAN ANTONIO, TEX.  
(Lat 29°29'56", long 98°30'36")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
FEB.										
26...	0930	1.2	10	52	2.1	10	--	6.7	128	0
APR.										
16...	1100	4.4	11	68	5.2	--	25	--	180	0
16...	1430	18	6.6	45	1.3	--	4.0	--	132	0
16...	1600	35	6.0	43	1.2	--	1.6	--	116	0
JUNE										
21...	1615	29	--	--	--	--	--	--	--	--
29...	1315	37	8.4	39	1.2	--	3.8	--	116	0
AUG.										
02...	0930	28	7.3	45	1.1	--	3.5	--	127	0
03...	1030	269	7.3	33	1.0	--	2.4	--	98	0

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)
FEB.										
26...	30	14	.3	.10	.52	1.4	.80	100	195	140
APR.										
16...	47	33	.3	.030	.77	.9	.63	370	284	190
16...	7.6	5.0	.2	.040	.00	.7	2.3	120	138	120
16...	11	5.0	.1	.030	.00	.5	.98	80	127	110
JUNE										
21...	--	--	--	.010	.00	.2	.55	--	--	--
29...	5.6	4.0	.0	.000	.00	1.1	1.2	44	124	100
AUG.										
02...	12	3.8	.1	.060	.14	.7	.69	50	138	120
03...	6.4	3.4	.0	--	--	--	--	40	102	86

DATE	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
FEB.									
26...	34	.4	329	7.1	16.5	7.0	71	9.6	.00
APR.									
16...	44	.8	496	6.9	20.5	7.7	85	17	.24
16...	10	.2	245	7.2	17.5	--	--	22	.04
16...	17	.1	238	7.2	17.5	8.1	84	14	.01
JUNE									
21...	--	--	137	--	--	--	--	8.5	.00
29...	7	.2	208	7.6	25.0	--	--	6.4	.00
AUG.									
02...	13	.1	242	7.6	23.0	--	--	5.0	.06
03...	6	.1	180	7.6	22.0	--	--	3.6	--

TABLE 126.--08177700 OLMOS CREEK AT DRESDEN DRIVE, AT SAN ANTONIO, TEX.--Continued  
 WATER QUALITY DATA. WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
FEB.										
26...	0930	1.2	.00	.00	.01	.03	.01	.00	.00	.00
APR.										
16...	1100	4.4	.00	.00	.00	.26	.00	.00	.00	.00
16...	1430	18	.00	.13	.08	.86	.10	.00	.00	.00
16...	1600	35	.00	.00	.02	.17	.04	.00	.00	.00
JUNE										
21...	1615	29	.00	.02	.00	.03	.02	.00	.00	.00
29...	1315	37	.00	.00	.00	.02	.02	.00	.00	.00
AUG.										
02...	0930	28	.00	.00	.00	.01	.01	.00	.00	.00
03...	1030	269	.00	.00	.00	.02	.03	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	TOX- APHENE (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
FEB.										
26...	.02	.1	.00	.00	.00	.00	.0	.00	.10	.00
APR.										
16...	.00	1.9	1.2	.14	.14	.00	.0	.00	1.3	.00
16...	.00	1.7	.72	.00	.07	.00	.0	.00	.54	.00
16...	.03	.4	.24	.00	.06	.00	.0	.00	.12	.00
JUNE										
21...	.00	.1	.04	.00	.00	.00	.0	.00	.05	.00
29...	.00	.1	.04	.00	.00	.00	.0	.00	.11	.00
AUG.										
02...	.00	.1	.02	.00	.00	.00	.0	.00	.19	.02
03...	.00	.2	.03	.00	.00	.00	.0	.00	.16	.01

TABLE 127.--08177800 OLMOS RESERVOIR AT SAN ANTONIO, TEX.  
(Lat 29°28'30", long 98°28'23")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)
FEB. 26...	1530	6.3	63	5.2	25	7.6	131	0

DATE	SULFATE (S04) (MG/L)	CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)
FEB. 26...	67	35	.3	.050	.25	1.1	.46	160	279

DATE	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)	TEMP- ERATURE (DEG C)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
FEB. 26...	180	71	.8	478	6.9	18.5	7.5	.05

DATE	TIME	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
FEB. 26...	1530	.00	.02	.00	.06	.03	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	TOXA- PHENE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
FEB. 26...	.01	.1	.0	.00	.00	.00	.00	.00	.37	.00

TABLE 128.--08178000 SAN ANTONIO RIVER AT SAN ANTONIO, TEX.  
(Lat 29°24'34", long 98°29'41")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO <sub>2</sub> ) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (K) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HC0 <sub>3</sub> ) (MG/L)	CAR-BONATE (C0 <sub>3</sub> ) (MG/L)
FEB. 26...	1045	3.5	10	58	12	16	--	4.7	190	0
APR. 16...	1645	383	6.2	45	5.6	--	7.8	--	134	0
MAY 11...	1000	226	13	72	17	--	14	--	256	0

DATE	DIS-SOLVED SULFATE (SO <sub>4</sub> ) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA+MG) (MG/L)
FEB. 26...	34	22	.2	.030	.13	1.7	.34	140	258	190
APR. 16...	19	13	.2	.050	.00	1.0	.45	130	168	140
MAY 11...	31	24	.2	.040	.17	1.2	.15	110	303	250

DATE	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
FEB. 26...	38	.5	453	7.2	19.5	5.8	62	7.0	.16
APR. 16...	26	.3	309	7.1	18.0	--	--	13	.04
MAY 11...	40	.4	531	7.4	24.5	--	--	2.2	.06

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)
FEB. 26...	1045	3.5	.00	.05	.02	.23	.02	.00	.00	.00
APR. 16...	1645	383	.00	.06	.06	.32	.04	.00	.00	.00
MAY 11...	1000	226	--	--	--	--	--	--	--	--

DATE	LINDANE (UG/L)	CHLOR-DANE (UG/L)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	TOX-APHENE (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
FEB. 26...	.06	.2	.00	.39	.00	.00	.0	.50	.26	.00
APR. 16...	.00	.7	.22	.04	.08	.00	.0	.00	.05	.09
MAY 11...	--	--	.08	.00	.00	.00	--	.00	.08	.00

TABLE 129.--08178300 ALAZAN CREEK AT ST. CLOUD STREET, SAN ANTONIO, TEX.  
(Lat 29°27'29", long 98°32'59")

WATER QUALITY DATA. WATER YEAR OCTOBER 1970 TO SEPTMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SiO2) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG)	SODIUM PLUS PO-TAS-SIUM (NA+K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
APR. 16...	1525	94	10	49	2.4	6.5	154	0
JUNE 21...	1735	262	--	--	--	--	--	--
AUG. 02...	1135	25	3.8	32	1.1	4.8	96	0

DATE	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
APR. 16...	8.0	5.6	.2	.11	.00	.8	3.8	150	162
JUNE 21...	--	--	--	.020	.00	.4	.40	--	--
AUG. 02...	9.6	3.8	.1	.020	.07	.2	.23	50	103

DATE	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
APR. 16...	130	6	.2	277	7.3	20.5	19	.01
JUNE 21...	--	--	--	164	--	--	8.7	.00
AUG. 02...	84	6	.2	186	7.4	--	3.4	.06

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)
APR. 16...	1525	94	.00	1.0	1.1	6.6	.14	.00	.00	.00
JUNE 21...	1735	262	.00	.05	.03	.20	.05	.00	.00	.00
AUG. 02...	1135	25	.00	.00	.00	.08	.03	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR-DANE (UG/L)	TOXA-PHENE (UG/L)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
APR. 16...	.00	1.1	.0	.13	.03	.06	.00	.00	.44	.00
JUNE 21...	.00	.2	.0	.07	.00	.00	.00	.00	.90	.00
AUG. 02...	.00	.1	.0	.03	.00	.00	.00	.10	.31	.00

TABLE 130.--08178600 PANTHER SPRINGS CREEK AT FARM ROAD 2696, NEAR SAN ANTONIO, TEX.  
(Lat 29°37'31", long 98°31'06")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SiO <sub>2</sub> ) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	SODIUM PLUS POTASSIUM (NA+K) (MG/L)	BICARBONATE (HCO <sub>3</sub> ) (MG/L)	CARBONATE (CO <sub>3</sub> ) (MG/L)	SULFATE (SO <sub>4</sub> ) (MG/L)	CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	NITRITE (N) (MG/L)
AUG. 02...	0700	1.8	9.3	37	1.4	1.8	114	0	1.2	3.6	.0	.060

DATE	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
AUG. 02...	.14	.7	.65	40	114	98	5	.1	208	7.7	3.9	.00

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTACHLOR (UG/L)	HEPTACHLOR EPOXIDE (UG/L)
AUG. 02...	0700	1.8	.00	.00	.00	.00	.00	.00	.00	.00

DATE	LINDANE (UG/L)	CHLORDANE (UG/L)	TOXAPHENE (UG/L)	DI-AZINON (UG/L)	MALATHION (UG/L)	METHYL PARATHION (UG/L)	PARATHION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	STLVEX (UG/L)
AUG. 02...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00

TABLE 131.--08178690 SALADO CREEK TRIBUTARY AT BITTERS ROAD, SAN ANTONIO, TEX.  
(Lat 29°31'36", long 98°26'25")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SiO2) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG)	SODIUM PLUS PO-TAS-SIUM (NA+K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	SULFATE (SO4) (MG/L)
APR. 17...	1100	3.2	3.5	30	12	15	170	0	7.0
JUNE 21...	1600	3.4	--	--	--	--	--	--	--

DATE	CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA, MG) (MG/L)
APR. 17...	4.7	.1	.050	.86	2.0	.98	70	167	120
JUNE 21...	--	--	.010	.07	.2	.27	--	--	--

DATE	NON-CAR-BONATE HARD-NESS (MG/L)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
APR. 17...	0	194	6.8	20.5	8.2	90	16	.13
JUNE 21...	--	72	--	26.5	--	--	5.0	.07

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)
APR. 17...	1100	3.2	.00	.00	.00	.29	.05	.00	.00	.00
JUNE 21...	1600	3.4	.00	.02	.00	.05	.02	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR-DANE (UG/L)	TOXA-PHENE (UG/L)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVFX (UG/L)
APR. 17...	.01	.7	.0	.06	.11	.05	.00	.00	.38	.00
JUNE 21...	.02	.1	.0	.03	.03	.00	.00	.00	.05	.00

TABLE 132.--08178700 SALADO CREEK (UPPER STATION) AT SAN ANTONIO, TEX.  
(Lat 29°30'57", Long 98°25'51")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SiO2) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG)	SODIUM PLUS PO-TAS-SIUM (NA+K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
AUG. 03...	1015	149	15	67	6.6	26	96	0

DATE	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
AUG. 03...	140	14	.5	.060	.24	.9	1.1	60	323

DATE	HARD-NESS (CA, MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
AUG. 03...	190	120	.8	508	7.7	21.5	4.2	.00

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)
AUG. 03...	1015	149	.00	.00	.00	.00	.00	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR-DANE (UG/L)	TOXA-PHENE (UG/L)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
AUG. 03...	.00	.0	.0	.00	.00	.00	.00	1.4	2.2	.21



TABLE 133.--08178800 SALADO CREEK (LOWER STATION) AT SAN ANTONIO, TEX.  
(Lat 29°21'25", long 98°24'45")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG)	SODIUM PLUS PO-TAS-SIUM (NA+K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	SULFATE (SO4) (MG/L)
FEB. 26...	1200	30	13	84	17	37	270	0	48
AUG. 04...	1142	108	11	53	5.5	15	128	0	53
04...	1555	83	12	52	5.8	18	123	0	55

DATE	CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA, MG) (MG/L)
FEB. 26...	59	.3	.000	.00	1.2	.14	180	397	280
AUG. 04...	18	.2	.040	.36	.8	.51	100	223	150
04...	22	.2	.050	.22	.9	.47	90	230	150

DATE	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
FEB. 26...	58	1.0	694	7.6	17.5	7.2	75	2.4	.00
AUG. 04...	50	.5	375	7.5	23.0	--	--	2.5	.04
04...	53	.6	378	7.6	22.0	--	--	3.4	.00

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)
FEB. 26...	1200	30	.00	.01	.00	.01	.00	.00	.00	.00
AUG. 04...	1142	108	.00	.00	.01	.02	.01	.00	.00	.00
04...	1555	83	.00	.00	.00	.01	.02	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR-DANE (UG/L)	TOXA-PHENE (UG/L)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
FEB. 26...	.03	.0	.0	.00	.00	.00	.00	.00	.00	.00
AUG. 04...	.00	.0	.0	.04	.00	.00	.00	.11	.63	.01
04...	.00	.0	.0	.04	.00	.00	.00	.12	.48	.01

TABLE 134.--08180500 MEDINA RIVER NEAR RIOMEDINA, TEX.  
(Lat 29°29'53", long 98°54'16")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SiO <sub>2</sub> ) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG)	SODIUM PLUS PO-TAS-SIUM (NA+K) (MG/L)	BICAR-BONATE (HCO <sub>3</sub> ) (MG/L)	CAR-BONATE (CO <sub>3</sub> ) (MG/L)	SULFATE (SO <sub>4</sub> ) (MG/L)
OCT.									
09...	1200	31	8.8	63	16	8.4	202	0	52
DEC.									
01...	1300	19	8.3	66	16	7.3	206	0	54
FEB., 1971									
01...	0955	18	8.6	64	18	4.6	190	0	62
APR.									
05...	1100	22	7.7	62	17	10	192	0	64
MAY									
13...	1400	20	8.1	62	18	6.9	188	0	65
JUNE									
01...	1052	26	8.7	60	17	9.0	184	0	62
22...	1330	27	8.8	57	18	9.8	180	0	61
JULY									
29...	1520	25	8.8	61	17	9.8	188	0	62
AUG.									
16...	1045	153	9.6	44	6.8	3.3	134	0	21
31...	0915	66	10	61	13	7.3	196	0	39
SEP.									
09...	0938	155	9.4	60	14	7.1	192	0	42
28...	1530	175	7.8	55	14	9.9	188	0	41

DATE	CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
OCT.								
09...	15	.1	.26	.000	.06	.1	.010	263
DEC.								
01...	14	.2	.07	.000	.00	.3	.020	268
FEB., 1971								
01...	16	.2	--	.000	.00	.1	.000	267
APR.								
05...	15	.2	--	.000	.00	.1	.020	270
MAY								
13...	15	.2	--	.000	.00	.2	.000	268
JUNE								
01...	16	.2	--	.000	.00	.2	.010	264
22...	18	.2	--	.000	.00	.2	.040	263
JULY								
29...	17	.2	--	.000	.00	.1	.000	268
AUG.								
16...	7.8	.2	--	.000	.04	.5	.010	161
31...	13	.2	--	.000	.00	.4	.000	241
SEP.								
09...	14	.2	--	.000	.00	.4	.040	242
28...	13	.2	--	.000	.00	.2	.010	234

DATE	HARD-NESS (CA, MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)
OCT.									
09...	220	57	.2	459	7.2	19.5	6.1	66	.2
DEC.									
01...	230	62	.2	463	7.6	18.0	8.8	93	.1
FEB., 1971									
01...	230	78	.1	463	7.3	12.5	9.0	84	.3
APR.									
05...	220	67	.3	462	7.8	17.0	9.4	97	.6
MAY									
13...	230	74	.2	460	7.8	20.0	9.1	99	.3
JUNE									
01...	220	69	.3	452	7.5	21.0	7.2	80	.4
22...	220	69	.3	446	7.7	23.0	8.1	93	.4
JULY									
29...	220	68	.3	461	8.0	25.0	8.7	104	.7
AUG.									
16...	140	28	.1	277	7.3	26.0	7.1	87	1.1
31...	210	45	.2	419	7.4	24.5	5.9	70	1.2
SEP.									
09...	210	50	.2	419	7.5	26.0	7.8	95	.9
28...	200	41	.3	402	7.6	26.5	8.0	98	.9

TABLE 135.--08181400 HELOTES CREEK AT HELOTES, TEX.  
(Lat 29°34'42", long 98°41'29")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	SODIUM PLUS POTASSIUM (NA+K) (MG/L)	BICARBONATE (HC03) (MG/L)	CARBONATE (C03) (MG/L)
AUG.								
02...	0900	10	8.6	41	5.9	7.8	122	0
12...	1235	44	--	--	--	--	--	--
12...	1815	25	9.6	63	9.0	3.0	206	0
13...	1430	86	9.6	64	9.1	3.1	210	0
13...	1735	196	9.9	64	8.1	3.8	212	0

DATE	SULFATE (S04) (MG/L)	CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
AUG.									
02...	22	12	.1	.040	.09	1.0	.31	40	162
12...	--	--	--	.020	.00	1.1	.070	--	--
12...	13	10	.1	.020	.00	1.1	.050	60	214
13...	13	10	.1	.010	.00	1.1	.040	40	217
13...	10	8.2	.1	.010	.00	1.5	.14	40	215

DATE	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
AUG.								
02...	130	27	.3	278	7.7	--	4.3	.03
12...	--	--	--	--	--	21.0	2.6	.00
12...	190	25	.1	377	7.7	21.0	1.5	.00
13...	200	25	.1	387	7.3	23.0	1.7	.04
13...	190	19	.1	379	7.4	23.0	2.7	.00

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTACHLOR (UG/L)	HEPTACHLOR EPOXIDE (UG/L)
AUG.										
02...	0900	10	.00	.00	.00	.00	.00	.00	.00	.00
12...	1815	25	.00	.00	.00	.00	.00	.00	.00	.00
13...	1735	196	.00	.00	.00	.00	.00	.00	.00	.00

DATE	LINDANE (UG/L)	CHLORDANE (UG/L)	TOXAPHENE (UG/L)	DI-AZINON (UG/L)	MALATHION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
AUG.										
02...	.00	.0	.0	.00	.00	.00	.00	.00	.11	.00
12...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00
13...	.00	.0	.0	.00	.00	.00	.00	.00	.00	.00

TABLE 136.--08181450 LEON CREEK TRIBUTARY AT KELLY AFB, SAN ANTONIO, TEX.  
(Lat 29°23'12", long 98°36'00")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HC03) (MG/L)	CARBONATE (C03) (MG/L)
JUNE 21...	1635	24	5.0	29	1.2	1.8	88	0
AUG. 02...	1218	12	3.6	22	.8	.6	69	0
03...	1235	7.2	4.7	20	.7	2.1	66	0

DATE	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
JUNE 21...	4.0	2.4	.0	.020	.00	.4	.42	60	88
AUG. 02...	.4	1.8	.0	.010	.14	.1	.17	20	64
03...	1.2	1.4	.0	--	--	--	--	20	62

DATE	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECTIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
JUNE 21...	77	5	.1	165	7.7	24.5	6.2	.00
AUG. 02...	58	2	.0	127	7.1	--	3.4	.10
03...	53	0	.1	114	7.6	22.5	3.7	--

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTACHLOR (UG/L)	HEPTACHLOR EPOXIDE (UG/L)
JUNE 21...	1635	24	.00	.11	.07	.49	.00	.00	.00	.00
AUG. 02...	1218	12	.00	.03	.01	.09	.00	.00	.00	.00
03...	1235	7.2	.00	.07	.01	.25	.00	.00	.00	.00

DATE	LINDANE (UG/L)	CHLORDANE (UG/L)	DI-AZINON (UG/L)	MALATHION (UG/L)	METHYL PARATHION (UG/L)	PARATHION (UG/L)	TOXAPHENE (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
JUNE 21...	.00	.0	.00	.00	.00	.00	.0	.00	.03	.00
AUG. 02...	.00	.0	.04	.00	.00	.00	.0	.00	.03	.00
03...	.00	.0	.03	.00	.00	.00	.0	.00	.00	.00

TABLE 137.--08181500 MEDINA RIVER NEAR SAN ANTONIO, TEX.  
(Lat 29°15'15", Long 98°28'20")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	DIS-SOLVED POTAS-SIUM (K) (MG/L)	RICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
APR. 05...	1330	52	15	100	23	--	67	--	292	0
MAY 13...	1200	58	16	100	23	63	--	5.0	292	0
JUNE 01...	1236	54	17	88	21	56	--	6.1	268	0
22...	1615	214	13	67	15	--	35	--	180	0
JULY 27...	1200	46	17	96	22	62	--	7.4	284	0
AUG. 16...	1254	836	13	68	11	--	18	--	204	0
30...	1900	183	15	100	21	--	50	--	288	0
SEP. 09...	1440	241	13	79	17	--	26	--	240	0
28...	1740	263	12	76	16	--	29	--	240	0

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)
APR. 05...	110	81	.3	.09	.060	.00	5.8	2.2	566	95
MAY 13...	110	75	.3	.42	.18	1.6	3.4	.35	551	--
JUNE 01...	100	62	.3	.41	.23	1.1	3.8	4.1	502	--
22...	78	49	.3	.77	.010	.00	1.7	.50	354	444
JULY 27...	100	75	.4	.34	.82	1.8	4.3	3.4	549	65
AUG. 16...	41	27	.2	.60	.010	.00	1.6	.32	285	532
30...	94	67	.3	.32	.010	.00	4.4	.60	508	86
SEP. 09...	66	36	.2	.28	.000	.13	1.9	.38	364	--
28...	63	36	.2	.32	.000	.26	1.8	.40	359	208

DATE	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)
APR. 05...	22	340	100	1.6	929	7.8	18.0	4	50	7.9
MAY 13...	--	350	110	1.5	904	7.8	21.5	--	--	6.3
JUNE 01...	--	310	86	1.4	842	7.6	26.0	--	--	5.4
22...	84	230	81	1.0	615	7.9	27.0	10	160	6.9
JULY 27...	14	330	98	1.5	913	7.5	28.0	11	35	4.4
AUG. 16...	58	220	48	.5	487	7.4	25.5	25	180	7.4
30...	13	340	100	1.2	849	7.8	27.0	0	50	7.0
SEP. 09...	--	270	70	.7	619	7.6	27.0	--	--	8.2
28...	140	260	59	.8	613	7.8	27.5	10	45	7.4

DATE	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)
APR. 05...	83	10	2.9	3	.06	20	0	2	0	0
MAY 13...	71	--	11	--	.00	--	--	--	--	--
JUNE 01...	66	--	7.0	0	.00	--	--	--	--	--
22...	85	20	3.1	6	.00	--	--	--	--	--
JULY 27...	56	17	14	3	.03	--	--	--	--	--
AUG. 16...	89	37	2.0	19	.00	20	0	0	0	0
30...	86	16	1.6	0	.06	--	--	--	--	--
SEP. 09...	101	13	1.1	0	.00	--	--	--	--	--
28...	92	11	.8	0	.01	--	--	--	--	--

TABLE 137.--08181500 MEDINA RIVER NEAR SAN ANTONIO, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRONTIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
APR. 05...	31	50	34	20	9	<.5	1	960	130
MAY 13...	--	--	--	--	--	--	--	--	--
JUNE 01...	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--
JULY 27...	--	--	--	--	--	--	--	--	--
AUG. 16...	4	20	0	10	2	.6	2	360	0
30...	--	--	--	--	--	--	--	--	--
SEP. 09...	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
APR. 05...	1330	52	.00	<.2	.00	4.7	.00	3.0	.00	<.2
AUG. 16...	1254	836	.00	<.2	.01	<.2	.00	<.2	.01	<.2

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM DE-POSITS (UG/KG)	LINDANE (UG/L)
APR. 05...	.00	2.2	.00	<.2	.00	<.2	.00	<.2	.00
AUG. 16...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00

DATE	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM DE-POSITS (UG/KG)	PARA-THION (UG/L)
APR. 05...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
AUG. 16...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00

DATE	PARA-THION IN BOTTOM DE-POSITS (UG/KG)	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
APR. 05...	<.2	.0	<10	.00	<2.8	.00	<.9	.00	<.9
AUG. 16...	<.2	.0	<10	.00	<2.2	.00	<.5	.00	<.6

TABLE 138.--08181800 SAN ANTONIO RIVER NEAR ELMENDORF, TEX.  
(Lat 29°14'15", long 98°21'43")  
WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED SODIUM PLUS POTAS- SIUM (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)
OCT.										
08...	1430	142	18	83	19	71	--	6.7	311	0
DEC.										
01...	1515	122	15	90	19	61	--	5.6	308	0
FEB.										
01...	1357	147	17	89	20	72	--	7.2	298	0
APR.										
05...	1620	121	17	91	20	76	--	6.8	276	0
MAY										
13...	1230	121	17	84	18	69	--	7.2	272	0
JUNE										
01...	1343	150	17	83	17	61	--	7.2	260	0
22...	1700	807	13	56	11	31	--	7.5	166	0
JULY										
29...	1230	140	18	81	18	65	--	7.6	264	0
AUG.										
16...	1700	1040	13	68	11	--	22	--	200	0
30...	1800	336	16	88	19	--	56	--	272	0
SEP.										
09...	1535	325	15	80	17	--	46	--	252	0
28...	1845	421	15	75	16	--	40	--	244	0

DATE	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITU- ENTS) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)
OCT.										
08...	73	82	.4	.53	.95	2.3	1.6	3.9	520	44
DEC.										
01...	77	76	.3	.72	1.5	4.7	3.7	2.9	522	12
FEB.										
01...	90	87	.4	.32	.74	3.9	3.0	3.1	550	25
APR.										
05...	96	90	.4	.09	.050	1.1	5.1	3.8	558	205
MAY										
13...	77	86	.4	.37	.75	1.5	3.5	1.6	512	--
JUNE										
01...	74	70	.4	.27	1.1	1.1	3.7	2.0	479	67
22...	57	41	.3	1.0	.020	2.0	1.5	2.5	308	840
JULY										
29...	79	82	.5	.40	.98	1.4	2.4	2.0	497	45
AUG.										
16...	44	33	.2	.72	.27	.20	1.5	.50	297	510
30...	78	69	.3	.44	.48	.42	4.8	.75	483	85
SEP.										
09...	68	56	.4	.34	.31	.24	3.5	.79	423	--
28...	46	55	.3	.58	.41	.31	3.3	1.2	384	110

DATE	LOSS ON IGNI- TION (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)	TEMP- ERATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)
OCT.										
08...	5	280	30	1.8	868	7.4	27.5	15	25	2.8
DEC.										
01...	4	300	50	1.5	840	7.5	22.5	21	2	4.4
FEB.										
01...	4	300	60	1.8	929	7.3	15.0	5	15	5.2
APR.										
05...	30	310	84	1.9	937	7.5	19.5	6	90	6.0
MAY										
13...	--	280	60	1.8	844	7.5	24.0	--	--	4.9
JUNE										
01...	28	280	64	1.6	818	7.5	27.0	10	35	4.7
22...	156	180	49	1.0	525	7.3	27.0	20	250	4.4
JULY										
29...	1	280	60	1.7	860	7.5	30.0	8	20	4.6
AUG.										
16...	48	220	51	.7	503	7.5	30.0	24	180	6.4
30...	16	300	74	1.4	821	7.7	29.0	10	40	6.0
SEP.										
09...	--	270	63	1.2	726	7.6	28.5	--	--	7.3
28...	20	250	53	1.1	710	7.6	27.0	10	45	6.2

TABLE 138.--08181800 SAN ANTONIO RIVER NEAR ELMENDORF, TEX.--Continued

## WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	PER-CENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DIS-SOLVED ALUMINUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	HEXA-VALENT CHROMIUM (CR6) (UG/L)
OCT. 08...	35	18	12	2	.26	200	0	0	--	0
DEC. 01...	50	68	9.0	5	.01	--	--	--	--	--
FEB. 01...	51	19	10	2	.03	0	0	1	0	--
APR. 05...	65	19	31	3	.20	20	0	1	0	--
MAY 13...	58	--	12	--	.14	--	--	--	--	--
JUNE 01...	58	21	12	0	.12	--	--	--	--	--
22...	54	66	25	3	--	--	--	--	--	--
JULY 29...	61	19	14	7	.08	--	--	--	--	--
AUG. 16...	84	37	2.8	1	.00	20	0	0	0	--
30...	77	17	3.0	11	.11	--	--	--	--	--
SEP. 09...	94	10	2.7	0	.03	--	--	--	--	--
28...	77	16	3.9	0	.03	--	--	--	--	--

DATE	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRONTIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT. 08...	1	5	38	2	30	5	<.5	0	980	0
DEC. 01...	--	--	--	--	--	--	--	--	--	--
FEB. 01...	1	5	14	0	20	40	<.5	7	1000	23
APR. 05...	0	8	100	0	20	20	<.5	7	1100	50
MAY 13...	--	--	--	--	--	--	--	--	--	--
JUNE 01...	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--
JULY 29...	--	--	--	--	--	--	--	--	--	--
AUG. 16...	0	4	10	0	10	2	.5	2	440	20
30...	--	--	--	--	--	--	--	--	--	--
SEP. 09...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--



TABLE 138.--08181800 SAN ANTONIO RIVER NEAR ELMENDORF, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
OCT. 08...	1430	142	.00	--	.01	--	.00	--	.01	--
DEC. 01...	1515	122	--	<.2	--	1.2	--	.4	--	<.2
FEB. 01...	1357	147	.00	<.2	.01	6.1	.00	1.0	.00	<.2
APR. 05...	1620	121	.00	<.2	.00	23	.00	8.0	.00	4.5
AUG. 16...	1700	1040	.00	<.2	.00	5.9	.00	5.5	.00	2.2

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOT-TOM DE-POSITS (UG/KG)	LINDANE (UG/L)
OCT. 08...	.02	--	.00	--	.00	--	.00	--	.00
DEC. 01...	--	.3	--	<.2	--	<.2	--	<.2	--
FEB. 01...	.01	1.5	.00	<.2	.00	<.2	.00	<.2	.00
APR. 05...	.01	12	.00	<.2	.00	<.2	.00	<.2	.00
AUG. 16...	.00	1.3	.00	<.2	.00	<.2	.00	<.2	.00

DATE	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOT-TOM DE-POSITS (UG/KG)	PARA-THION (UG/L)
OCT. 08...	--	.0	--	.03	.00	--	.02	--	.00
DEC. 01...	<.2	--	3.1	--	--	<.2	--	<.2	--
FEB. 01...	<.2	.0	5.7	.00	.00	<.2	.00	<.2	.00
APR. 05...	<.2	.0	43	.20	.00	<.2	.00	<.2	.00
AUG. 16...	<.2	.0	10	.00	.00	<.2	.00	<.2	.00

DATE	PARA-THION IN BOTTOM DE-POSITS (UG/KG)	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
OCT. 08...	--	.0	--	.00	--	.00	--	.00	--
DEC. 01...	<.2	--	<10	--	<3.2	--	<.5	--	<.3
FEB. 01...	<.2	.0	<10	.00	<5.3	.01	<.8	.00	<.5
APR. 05...	<.2	.0	<10	.00	<3.5	.00	<1.1	.00	<1.1
AUG. 16...	<.2	.0	<10	.15	<2.1	.30	<.5	.02	<.5

TABLE 139.--08183500 SAN ANTONIO RIVER NEAR FALLS CITY, TEX.  
(Lat 28°57'05", long 98°03'50")  
WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	SODIUM PLUS POTASSIUM (NA+K) (MG/L)	BICARBONATE (HC03) (MG/L)	CARBONATE (C03) (MG/L)	SULFATE (S04) (MG/L)
OCT.									
08...	1400	187	18	90	18	72	280	0	84
DEC.									
01...	1715	144	17	93	21	86	296	0	98
FEB., 1971									
01...	1545	171	17	97	22	86	296	0	110
APR.									
05...	1800	90	18	100	23	110	300	0	130
MAY									
13...	1540	218	18	90	21	92	286	0	100
JUNE									
01...	1530	112	19	86	19	89	270	0	100
22...	1840	298	16	61	13	67	206	0	68
JULY									
29...	1735	58	20	100	23	100	298	0	130
AUG.									
17...	0815	2010	11	44	7.1	13	140	0	25
30...	1600	294	18	93	19	65	286	0	86
SEP.									
09...	1645	326	15	89	18	42	264	0	75
29...	0915	405	13	79	16	52	256	0	75

DATE	CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)
OCT.									
09...	85	.4	.78	.75	.00	4.4	2.2	527	300
DEC.									
01...	100	.5	1.0	.17	.00	5.0	4.8	584	320
FEB., 1971									
01...	100	.4	--	.030	.00	5.7	2.5	602	330
APR.									
05...	120	.4	--	.000	.00	4.9	4.8	674	340
MAY									
13...	100	.4	--	.12	.00	8.3	2.7	601	310
JUNE									
01...	98	.5	--	.20	.00	5.2	3.0	569	290
22...	69	.4	--	.020	.00	3.8	3.1	412	210
JULY									
29...	120	.5	--	.090	.00	3.3	3.0	659	350
AUG.									
17...	15	.2	--	.060	.00	1.0	.80	189	140
30...	87	.4	--	.37	.00	.7	1.4	514	310
SEP.									
09...	57	.3	--	.000	.00	2.9	.60	439	300
29...	56	.4	--	.070	.00	2.4	.75	429	260

DATE	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND (MG/L)
OCT.								
08...	69	1.8	892	7.5	26.0	2.2	27	4.6
DEC.								
01...	76	2.1	991	7.5	20.0	5.0	54	2.2
FEB., 1971								
01...	90	2.1	987	7.5	15.5	7.4	73	1.5
APR.								
05...	98	2.6	1100	7.8	18.0	9.4	99	4.2
MAY								
13...	76	2.3	964	7.6	24.5	5.8	69	2.1
JUNE								
01...	71	2.3	949	7.6	27.0	5.3	65	2.4
22...	36	2.0	706	7.4	27.0	2.8	35	3.9
JULY								
29...	100	2.3	1110	7.9	30.0	8.0	105	4.6
AUG.								
17...	24	.5	327	7.2	25.5	6.1	73	3.4
30...	76	1.6	898	7.6	29.0	4.6	59	2.0
SEP.								
09...	80	1.1	758	7.7	28.0	7.1	90	1.2
29...	53	1.4	738	7.6	26.5	5.8	71	1.5

TABLE 140.--08186000 CIBOLO CREEK NEAR FALLS CITY, TEX.  
(Lat 29°00'50", long 97°55'48")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SiO <sub>2</sub> ) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG)	SODIUM PLUS PO-TAS-SIUM (NA+K) (MG/L)	BICAR-BONATE (HCO <sub>3</sub> ) (MG/L)	CAR-BONATE (CO <sub>3</sub> ) (MG/L)	SULFATE (SO <sub>4</sub> ) (MG/L)
OCT.									
08...	1300	18	17	94	18	110	250	0	170
DEC.									
02...	0750	20	21	130	25	150	302	0	270
FEB.. 1971									
01...	1645	15	15	120	26	150	256	0	290
APR.									
06...	0800	5.2	15	160	48	200	280	0	440
MAY									
13...	1615	3.5	16	170	44	270	256	0	530
JUNE									
01...	1652	3.1	19	130	28	190	260	0	340
23...	1200	1.8	19	120	30	200	212	0	340
JULY									
29...	1830	.04	19	100	23	200	230	0	300
AUG.									
17...	0912	224	12	43	4.8	11	127	0	25
30...	1430	23	17	96	17	91	212	0	180
SEP.									
09...	1730	18	17	110	21	120	250	0	210
29...	1015	27	16	86	15	89	212	0	140

DATE	CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA, MG) (MG/L)
OCT.									
08...	110	.3	.16	.000	.00	.5	.080	644	310
DEC.									
02...	160	.4	.32	.000	.00	.00	.080	905	430
FEB.. 1971									
01...	160	.3	--	.000	.00	.2	.040	880	410
APR.									
06...	250	.4	--	.000	.00	.00	.060	1250	600
MAY									
13...	310	.4	--	.000	.00	.2	.040	1470	610
JUNE									
01...	190	.4	--	.000	.00	.1	.13	1020	430
23...	240	.4	--	.000	.00	.2	.060	1060	420
JULY									
29...	190	.5	--	.000	.00	.00	.080	944	340
AUG.									
17...	13	.1	--	.030	.00	.6	.42	174	130
30...	110	.2	--	.000	.00	.2	.030	608	310
SEP.									
09...	140	.3	--	.000	.00	.1	.060	743	370
29...	100	.3	--	.000	.00	.7	.070	558	280

DATE	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)
OCT.								
08...	100	2.7	1050	7.6	26.0	5.0	61	.8
DEC.								
02...	180	3.2	1400	7.8	19.0	6.2	66	3.5
FEB.. 1971								
01...	200	3.2	1360	7.7	13.0	11.4	108	.6
APR.								
06...	370	3.6	1920	7.7	14.0	7.2	69	1.7
MAY								
13...	400	4.8	2180	7.9	22.0	10.4	118	1.2
JUNE								
01...	220	3.9	1600	8.0	27.5	7.6	95	1.7
23...	250	4.2	1700	7.7	28.0	5.8	73	2.1
JULY								
29...	160	4.7	1500	7.9	30.0	7.8	103	3.4
AUG.								
17...	23	.4	292	7.5	26.0	7.0	85	3.7
30...	140	2.3	1000	8.2	30.5	11.4	150	2.4
SEP.								
09...	160	2.7	1210	7.7	27.5	8.5	106	.2
29...	100	2.3	924	7.7	26.0	7.2	88	1.2

TABLE 141.--08188500 SAN ANTONIO RIVER AT GOLIAD, TEX.  
(Lat 28°38'58", long 97°23'04")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)
OCT. 07...	1715	281	19	90	17	91	262	0	100	110	.3	.42
DEC. 02...	1500	203	20	110	21	120	326	0	120	150	.4	.30
FEB. 02...	1345	212	20	110	24	110	310	0	130	150	.4	.46
APR. 06...	1245	121	21	120	24	130	320	0	140	180	.5	.07
MAY 13...	1715	103	22	120	26	130	334	0	150	170	.5	.51
JUNE 02...	1230	126	19	90	17	82	247	0	98	110	.4	.49
23...	0910	155	18	46	6.4	36	128	0	48	43	.3	1.4
JULY 30...	1000	64	22	120	26	140	332	0	160	200	.5	.73
AUG. 17...	1425	2170	14	54	8.0	32	160	0	45	37	.3	.66
30...	1210	419	20	89	17	60	268	0	82	76	.3	.43
SEP. 09...	1915	387	18	96	19	72	290	0	94	91	.4	.24
29...	1300	546	14	66	12	46	200	0	63	59	.3	.41

DATE	TOTAL NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	LOSS ON IGNITION (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)
OCT. 07...	.090	.00	5.0	2.3	579	152	91	290	80	2.3	961	7.6
DEC. 02...	.020	.00	4.0	1.9	719	53	9	360	94	2.7	1160	8.1
FEB. 02...	.000	.00	4.7	2.6	718	89	13	380	130	2.4	1190	8.0
APR. 06...	.000	.00	3.4	2.1	796	74	16	390	130	2.9	1330	8.1
MAY 13...	.000	.00	3.6	.72	796	--	--	400	130	2.8	1290	8.0
JUNE 02...	.010	.00	3.7	1.8	552	155	30	290	92	2.1	937	7.9
23...	.000	.00	1.0	1.0	265	1160	168	140	36	1.3	456	7.6
JULY 30...	.010	.00	.2	1.0	827	47	7	410	130	3.0	1390	8.1
AUG. 17...	.000	.00	1.8	1.4	277	2260	300	170	37	1.1	471	7.4
30...	.000	.00	3.0	.74	489	223	41	290	72	1.5	821	7.9
SEP. 09...	.000	.06	2.4	.88	544	--	--	320	80	1.8	928	7.9
29...	.000	.42	.5	.65	361	344	60	210	50	1.4	640	7.6

DATE	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DIS-SOLVED ALUMINUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)
OCT. 07...	26.5	12	55	5.0	61	25	1.6	0	.08	100	6	0
DEC. 02...	22.0	10	18	9.0	102	58	1.7	7	.01	--	--	--
FEB. 02...	13.0	4	45	9.4	89	13	1.2	17	.00	10	0	0
APR. 06...	19.0	4	30	10.2	109	20	4.2	0	.03	0	0	0
MAY 13...	24.0	--	--	10.0	118	--	2.4	--	.00	--	--	--
JUNE 02...	28.0	5	75	7.2	91	18	1.9	0	.00	--	--	--
23...	27.0	20	200	6.6	81	68	2.8	0	.00	--	--	--
JULY 30...	29.0	12	20	8.4	108	24	8.7	0	.00	--	--	--
AUG. 17...	29.0	30	210	5.6	72	110	2.6	0	.00	20	0	0
30...	29.5	10	85	6.4	83	21	1.4	0	.07	--	--	--
SEP. 09...	27.5	--	--	7.5	94	15	.6	0	.00	--	--	--
29...	27.0	15	120	6.8	84	24	1.4	1	.00	--	--	--

TABLE 141.--08188500 SAN ANTONIO RIVER AT GOLIAD, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED LITHIUM (LI) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	DIS- SOLVED STRON- TIUM (SR) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT. 07...	--	0	0	4	1	0	30	2	<.5	6	960	0
DEC. 02...	--	--	--	--	--	--	--	--	--	--	--	--
FEB. 02...	0	--	0	4	9	0	40	4	<.5	0	1100	6
APR. 06...	0	--	0	3	20	0	50	4	<.5	0	1200	0
MAY 13...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE 02...	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--
JULY 30...	--	--	--	--	--	--	--	--	--	--	--	--
AUG. 17...	0	--	0	5	10	0	20	1	.5	3	420	0
30...	--	--	--	--	--	--	--	--	--	--	--	--
SEP. 09...	--	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 141.--08188500 SAN ANTONIO RIVER AT GOLIAD, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
OCT. 07...	1715	281	.00	--	.00	--	.00	--	.00	--
DEC. 02...	1500	203	--	<.2	--	2.0	--	.7	--	<.2
FEB. 02...	1345	212	.00	<.2	.00	<.2	.00	<.2	.00	<.2
APR. 06...	1245	121	.00	<.2	.00	2.1	.00	1.1	.00	.7
AUG. 17...	1425	2170	.00	<.2	.00	5.9	.01	7.0	.01	<.2

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM DE-POSITS (UG/KG)	LINDANE (UG/L)
OCT. 07...	.01	--	.00	--	.00	--	.00	--	.00
DEC. 02...	--	.8	--	<.2	--	<.2	--	<.2	--
FEB. 02...	.01	<.2	.00	<.2	.00	<.2	.00	<.2	.01
APR. 06...	.00	.6	.00	<.2	.00	<.2	.00	<.2	.01
AUG. 17...	.01	<.2	.00	<.2	.00	<.2	.00	<.2	.00

DATE	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL-PARA-THION (UG/L)	METHYL-PARA-THION IN BOTTOM DE-POSITS (UG/KG)	PARA-THION (UG/L)
OCT. 07...	--	.0	--	.00	.00	--	.13	--	.00
DEC. 02...	<.2	--	3.0	--	--	<.2	--	<.2	--
FEB. 02...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
APR. 06...	<.2	.0	<1.0	.10	.00	<.2	.00	<.2	.00
AUG. 17...	<.2	.1	6.3	.00	.00	<.2	.00	<.2	.00

DATE	PARA-THION IN BOTTOM DE-POSITS (UG/KG)	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
OCT. 07...	--	.0	--	.09	--	.03	--	.00	--
DEC. 02...	<.2	--	<10	--	<7.9	--	<1.0	--	<1.0
FEB. 02...	<.2	.0	<10	.00	<2.3	.00	<.2	.00	<.2
APR. 06...	<.2	.0	<10	.00	<.7	.00	<.2	.01	<.2
AUG. 17...	<.2	.0	<10	.02	<.7	.02	<.2	.00	<.2

TABLE 142.--08188800 GUADALUPE RIVER NEAR TIVOLI, TEX.  
(Lat 28°30'20", long 96°53'04")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-SOLVED SILICA (SiO <sub>2</sub> ) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM PLUS POTAS-SIUM (MG/L)	BICAR-BONATE (HCO <sub>3</sub> ) (MG/L)	CAR-BONATE (CO <sub>3</sub> ) (MG/L)	DIS-SOLVED SULFATE (SO <sub>4</sub> ) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
OCT. 07...	1400	14	70	16	43	240	0	45	60	.2	.28	.000
DEC. 03...	1000	13	90	18	55	300	0	54	78	.3	.26	.020
FEB. 02...	1755	15	88	19	59	292	0	57	84	.3	.30	.040
APR. 06...	1700	15	86	19	73	284	0	62	110	.4	.08	.000
JUNE 02...	1605	16	83	17	80	278	0	73	100	.3	.61	.010
AUG. 17...	1930	18	64	12	49	196	0	63	60	.3	.56	.020

DATE	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA, MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)
OCT. 07...	.00	1.2	.36	372	84	65	240	44	1.2	660	7.6	26.0
DEC. 03...	.00	1.3	.76	462	67	12	300	52	1.4	781	7.9	20.5
FEB. 02...	.00	2.0	.93	475	86	22	300	58	1.5	810	7.9	16.0
APR. 06...	.00	1.1	.84	506	70	19	290	60	1.9	878	8.1	19.0
JUNE 02...	.00	1.2	.80	512	49	17	280	49	2.1	872	8.1	28.5
AUG. 17...	.00	1.3	.63	368	384	48	210	48	1.5	621	7.3	28.5

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)
OCT. 07...	9	40	4.8	59	12	.8	0	.04	200	0	0	--
DEC. 03...	7	36	7.5	82	47	1.4	5	.00	--	--	--	--
FEB. 02...	0	45	8.0	80	13	1.3	2	.00	0	0	0	0
APR. 06...	2	40	8.2	87	13	3.5	0	.03	0	0	0	0
JUNE 02...	0	35	7.1	91	10	2.2	0	.06	--	--	--	--
AUG. 17...	22	120	4.3	55	35	2.9	0	.00	30	0	0	0

DATE	HEXA-VALENT CHRO-MIUM (CR <sub>6</sub> ) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT. 07...	0	0	2	7	0	30	0	<.5	4	540	0
DEC. 03...	--	--	--	--	--	--	--	--	--	--	--
FEB. 02...	--	0	2	2	0	20	5	<.5	0	730	21
APR. 06...	--	0	4	10	0	30	4	<.5	0	790	0
JUNE 02...	--	--	--	--	--	--	--	--	--	--	--
AUG. 17...	--	0	4	10	0	20	19	<.5	3	510	0

TABLE 142.--08188800 GUADALUPE RIVER NEAR TIVOLI, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE- POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE- POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE- POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE- POSITS (UG/KG)	DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM DE- POSITS (UG/KG)	ENDRIN (UG/L)
OCT. 07...	1400	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.01	<.2	.00
FEB. 02...	1755	.00	<.2	.00	8.8	.00	3.4	.00	<.2	.00	<.2	.00
APR. 06...	1700	.00	<.2	.00	2.7	.00	2.9	.00	<.2	.00	<.2	.00
AUG. 17...	1930	.00	<.2	.00	1.4	.00	2.7	.00	<.2	.00	<.2	.00

DATE	ENDRIN IN BOTTOM DE- POSITS (UG/KG)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM DE- POSITS (UG/KG)	HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM DE- POSITS (UG/KG)	LINDANE (UG/L)	LINDANE IN BOTTOM DE- POSITS (UG/KG)	CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM DE- POSITS (UG/KG)	DI- AZINON (UG/L)	MALA- THION (UG/L)	MALA- THION IN BOTTOM DE- POSITS (UG/KG)
OCT. 07...	<.2	.00	<.2	.00	<.2	.00	<.2	.0	<1.0	.00	.00	<.2
FEB. 02...	<.2	.00	<.2	.00	<.2	.01	<.2	.0	<1.0	.00	.00	<.2
APR. 06...	<.2	.00	<.2	.00	<.2	.00	<.2	.0	5.4	.00	.00	<.2
AUG. 17...	<.2	.00	<.2	.00	<.2	.00	<.2	.0	2.5	.00	.00	<.2

DATE	METHYL PARA- THION (UG/L)	METHYL IN BOT- TOM DE- POSITS (UG/KG)	PARA- THION (UG/L)	PARA- THION IN BOTTOM DE- POSITS (UG/KG)	TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM DE- POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE- POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE- POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE- POSITS (UG/KG)
OCT. 07...	.00	<.2	.00	<.2	.0	<10	.00	<1.3	.02	<.2	.00	<.2
FEB. 02...	.00	<.2	.00	<.2	.0	<10	.00	<11	.01	<1.5	.00	<1.2
APR. 06...	.00	<.2	.00	<.2	.0	<10	.00	<.7	.01	<.2	.00	<.2
AUG. 17...	.00	<.2	.00	<.2	.0	<10	--	<1.7	--	<.4	--	<.4



TABLE 143.--08189100 SALT CREEK NEAR REFUGIO, TEX.  
(Lat 28°19'00", long 97°00'24")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)
SEP. 14...	1130	246	18	9.8	2.0	4.0	4.3	45	0	1.6	4.4
DATE	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA+MG) (MG/L)	
SEP. 14...	.0	.27	.000	.30	.00	.040	70	66	32	33	
DATE	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	DIS-SOLVED ALUMINUM (AL) (UG/L)	DIS-SOLVED ZINC ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)
SEP. 14...	0	.3	94	6.7	27.0	15	24	1.8	70	10	0
DATE	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRONTIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)
SEP. 14...	0	3	90	0	0	3	1.4	0	80	20	0
DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)	
SEP. 14...	1130	246	.00	.00	.00	.00	.00	.00	.00	.00	
DATE	LINDANE (UG/L)	CHLOR-DANE (UG/L)	TOXA-PHENE (UG/L)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)	
SEP. 14...	.00	.0	.0	.00	.00	.00	.00	.00	.03	.00	

TABLE 144.--08189200 COPANO CREEK NEAR REFUGIO, TEX.  
(Lat 28°18'12", long 97°06'44")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTAS-SIUM (K) (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)
NOV. 04...	1200	.09	11	36	5.5	140	7.0	116	0	45	200	.2
AUG. 10...	1650	9.6	30	16	3.8	48	11	79	0	15	65	.1
SEP. 14...	1540	3110	9.6	5.0	1.2	3.5	3.3	26	0	.4	4.0	.0

DATE	BROMIDE (BR) (MG/L)	IODIDE (I) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)
NOV. 04...	.900	.070	.55	.000	.00	.1	.17	750	504	144	110	18
AUG. 10...	.500	.049	1.1	.000	.29	.00	.40	260	229	25	56	0
SEP. 14...	--	--	.24	.000	.24	.00	.060	30	40	8	17	0

DATE	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH	TEMP-ERATURE (DEG C)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)
NOV. 04...	5.7	942	7.4	14.0	80	7.4	71	60	3.3	200	0	0
AUG. 10...	2.8	366	7.0	31.5	10	--	--	91	4.5	70	0	0
SEP. 14...	.4	62	7.1	27.0	6	2.6	32	21	1.4	80	0	0

DATE	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
NOV. 04...	--	0	0	5	29	0	40	1	<.5	2	640	0
AUG. 10...	0	--	1	8	340	0	10	4	<.5	3	480	30
SEP. 14...	0	--	0	2	100	0	0	1	1.4	0	80	40

TABLE 144.--08189200 COPANO CREEK NEAR REFUGIO, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
NOV. 04...	1200	.09	.00	<.2	.00	<.2	.00	<.2	.00	<.2
AUG. 10...	1650	9.6	.00	<.2	.00	<.2	.00	<.2	.00	<.2
SEP. 14...	1540	3110	.00	--	.00	--	.00	--	.00	--

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM DE-POSITS (UG/KG)	LINDANE (UG/L)
NOV. 04...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
AUG. 10...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
SEP. 14...	.00	--	.00	--	.00	--	.00	--	.00

DATE	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL-PARA-THION (UG/L)	METHYL-PARA-THION IN BOTTOM DE-POSITS (UG/KG)	PARA-THION (UG/L)
NOV. 04...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
AUG. 10...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
SEP. 14...	--	.0	--	.00	.00	--	.00	--	.00

DATE	PARA-THION IN BOTTOM DE-POSITS (UG/KG)	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
NOV. 04...	<.2	.0	<10	.00	<9.0	.00	<1.9	.00	<1.2
AUG. 10...	<.2	.0	<10	.00	<1.3	.00	<.4	.00	<.4
SEP. 14...	--	.0	--	.00	--	.00	--	.00	--

TABLE 145.--08189500 MISSION RIVER AT REFUGIO, TEX.  
(Lat 28°17'30", long 97°16'44")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM PLUS POTASSIUM (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT. 07...	1530	7.5	32	210	34	--	1400	--	296	0
DEC. 02...	1400	5.8	35	250	42	1400	--	8.9	368	0
FEB. 02...	1515	4.6	35	300	51	--	1700	--	344	0
APR. 06...	1530	3.1	34	330	14	--	2100	--	328	0
JUNE 02...	1345	2.1	31	340	58	--	2200	--	234	0
AUG. 17...	1645	7.5	16	170	26	--	780	--	246	0

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)
OCT. 07...	34	2400	.2	.38	.020	.46	.00	.040	4260	47
DEC. 02...	49	2500	.4	.68	.020	5.7	.00	2.1	4470	24
FEB. 02...	56	3000	.3	.28	.010	.57	.00	.030	5360	54
APR. 06...	50	3700	.3	.03	.020	.00	.00	.040	6400	24
JUNE 02...	52	4000	.3	.23	.010	.08	.00	.10	6840	67
AUG. 17...	26	1400	.2	.39	.000	.00	.00	.040	2560	20

DATE	LOSS ON IGNITION (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)
OCT. 07...	21	660	420	24	7870	7.5	27.5	14	15	5.8
DEC. 02...	8	800	490	22	8080	7.7	24.0	22	6	5.7
FEB. 02...	20	950	670	24	9440	7.7	13.0	6	20	5.0
APR. 06...	8	890	620	31	11000	7.8	22.0	0	10	8.7
JUNE 02...	18	1100	900	29	11800	7.7	31.0	0	40	10.2
AUG. 17...	19	530	320	15	5170	7.8	31.0	45	10	9.2

DATE	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DIS-SOLVED ALUMINUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	HEXA-VALENT CHROMIUM (CR6) (UG/L)
OCT. 07...	74	25	2.0	0	.10	0	5	0	--	0
DEC. 02...	67	170	>8.0	20	.13	--	--	--	--	--
FEB. 02...	49	28	2.1	8	.00	10	0	0	0	--
APR. 06...	102	28	2.4	0	.11	0	0	0	0	--
JUNE 02...	142	37	2.4	0	.03	--	--	--	--	--
AUG. 17...	124	37	4.3	0	.14	20	10	0	0	--

TABLE 145.--08189500 MISSION RIVER AT REFUGIO, TEX.--Continued  
WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PH) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRONTIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT. 07...	0	2	10	0	230	460	<.5	5	9400	0
DEC. 02...	--	--	--	--	--	--	--	--	--	--
FEB. 02...	0	2	6	0	270	650	<.5	0	12000	9
APR. 06...	0	4	10	0	350	610	<.5	0	14000	30
JUNE 02...	--	--	--	--	--	--	--	--	--	--
AUG. 17...	1	3	20	0	120	240	<.5	2	4900	0

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
OCT. 07...	1530	7.5	.00	<.2	.00	4.8	.00	3.0	.00	4.0
FEB. 02...	1515	4.6	.00	<.2	.00	4.7	.00	.8	.00	15
APR. 06...	1530	3.1	.00	<.2	.00	2.4	.00	1.8	.00	<.2
AUG. 17...	1645	7.5	.00	<.2	.00	4.0	.00	6.6	.00	1.1

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM DE-POSITS (UG/KG)	LINDANE (UG/L)
OCT. 07...	.00	1.9	.00	<.2	.00	<.2	.00	<.2	.00
FEB. 02...	.00	.6	.00	<.2	.00	<.2	.00	<.2	.00
APR. 06...	.00	1.0	.00	<.2	.00	<.2	.00	<.2	.00
AUG. 17...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00

DATE	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM DE-POSITS (UG/KG)	PARA-THION (UG/L)
OCT. 07...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
FEB. 02...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
APR. 06...	<.2	.0	6.3	.00	.00	--	.00	--	.00
AUG. 17...	<.2	.0	35	.00	.00	<.2	.00	<.2	.00

DATE	PARA-THION IN BOTTOM DE-POSITS (UG/KG)	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
OCT. 07...	<.2	.0	<10	.00	<2.7	.03	<.4	.00	<.3
FEB. 02...	<.2	.0	<10	.00	<2.4	.00	<.3	.00	<.2
APR. 06...	--	.0	<10	.00	<1.3	.04	<.4	.00	<.4
AUG. 17...	<.2	.0	<10	.00	<3.4	.03	<.7	.00	<.7

TABLE 146.--08189800 CHILTIPIIN CREEK AT SINTON, TEX.  
(Lat 28°02'48", long 97°30'13")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
OCT. 01...	1415	4.4	19	490	87	4900	27	88	0	15
NOV. 04...	1615	65	18	50	8.5	400	8.7	52	0	6.0
DEC. 08...	1600	1.6	19	2300	370	22000	75	102	0	16
JAN. 14...	1550	2.4	21	2500	390	22000	67	119	0	19
FEB. 17...	1415	1.9	20	2400	380	23000	84	98	0	42
MAR. 26...	1315	1.6	22	2500	450	24000	69	124	0	21
APR. 30...	1315	1.6	21	2300	19	23000	100	95	0	14
JUNE 01...	1115	1.3	15	1900	14	18000	120	105	0	15
JULY 06...	1645	1.2	23	2400	430	24000	87	72	0	13
AUG. 10...	1355	33	33	160	33	1400	14	90	0	7.0
SEP. 14...	1425	893	15	17	2.7	20	5.2	68	0	2.4

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	IODIDE (I) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)
OCT. 01...	8600	.2	--	--	1.2	.010	.45	.1	.19	--
NOV. 04...	690	.2	3.1	.180	1.1	.020	.66	.5	.85	350
DEC. 08...	39000	.4	--	--	4.4	.020	.00	.00	.10	--
JAN. 14...	40000	.3	--	--	9.0	.000	.00	.00	.070	--
FEB. 17...	41000	.4	--	--	3.6	.000	.00	.00	.040	--
MAR. 26...	42000	.3	190	14	.44	.000	1.7	.1	.070	39000
APR. 30...	40000	--	--	--	.62	.010	5.4	.1	.070	--
JUNE 01...	32000	--	--	--	1.8	.000	3.1	.2	.13	--
JULY 06...	42000	.5	200	16	.50	.010	4.2	.2	.070	40000
AUG. 10...	2600	.2	13	1.3	.74	.000	.46	.00	.75	3000
SEP. 14...	32	.2	--	--	.37	.000	.34	.2	.26	70

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	LOSS ON IGNITION (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
OCT. 01...	14200	32	10	1600	1500	54	24000	8.6	29.5	20
NOV. 04...	1210	1040	--	160	120	14	2270	7.4	14.5	250
DEC. 08...	63800	--	--	7300	7200	112	92700	7.4	24.5	15
JAN. 14...	65700	--	--	7900	7800	108	94600	7.6	25.5	5
FEB. 17...	66600	--	--	7600	7500	115	96300	7.3	26.0	7
MAR. 26...	68800	10	194	8100	8000	116	97600	7.5	23.5	2
APR. 30...	64800	--	--	5700	5600	131	95800	7.3	30.5	6
JUNE 01...	52100	--	--	4900	4800	113	80000	7.8	30.0	7
JULY 06...	69600	2	--	7800	7800	119	101000	7.5	36.5	1
AUG. 10...	4310	35	--	540	470	26	7700	7.5	35.0	20
SEP. 14...	129	350	--	54	0	1.2	220	6.8	26.0	150

TABLE 146.--08189800 CHILTIPIN CREEK AT SINTON, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	DIS-SOLVED ALUMINUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)
OCT. 01...	16.7	239	19	5.0	--	--	--	--	--	--
NOV. 04...	8.6	84	77	2.9	100	12	0	--	0	0
DEC. 08...	16.9	319	280	3.8	--	--	--	--	--	--
JAN. 14...	13.6	267	49	4.8	--	--	--	--	--	--
FEB. 17...	14.3	292	49	4.8	--	--	--	--	--	--
MAR. 26...	16.6	319	77	6.5	10	0	0	0	--	0
APR. 30...	12.0	273	44	4.3	--	--	--	--	--	--
JUNE 01...	13.9	278	70	7.1	--	--	--	--	--	--
JULY 06...	--	--	64	2.9	0	0	2	0	--	0
AUG. 10...	--	--	52	3.6	20	10	0	0	--	0
SEP. 14...	4.3	52	24	2.5	240	10	0	0	--	0

DATE	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRONTIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT. 01...	--	--	--	--	--	--	--	--	--
NOV. 04...	4	11	0	60	4	<.5	5	2300	0
DEC. 08...	--	--	--	--	--	--	--	--	--
JAN. 14...	--	--	--	--	--	--	--	--	--
FEB. 17...	--	--	--	--	--	--	--	--	--
MAR. 26...	0	5	0	1600	1300	<.5	0	160000	60
APR. 30...	--	--	--	--	--	--	--	--	--
JUNE 01...	--	--	--	--	--	--	--	--	--
JULY 06...	4	30	0	4000	760	<.5	0	180000	140
AUG. 10...	4	60	0	30	90	<.5	3	11000	0
SEP. 14...	3	70	0	0	4	1.4	0	220	30

TABLE 146.--08189800 CHILTIPIIN CREEK AT SINTON, TEX.--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
NOV. 04...	1615	65	.00	<.2	.00	.4	.01	.4	.01	.4
MAR. 26...	1315	1.6	.00	<.2	.00	<.2	.00	<.2	.00	<.2
JULY 06...	1645	1.2	.00	<.2	.00	4.3	.00	3.2	.00	3.3
AUG. 10...	1355	33	.00	<.2	.00	<.2	.00	<.2	.00	<.2
SEP. 14...	1425	893	.00	--	.00	--	.00	--	.00	--

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM DE-POSITS (UG/KG)	LINDANE (UG/L)
NOV. 04...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
MAR. 26...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
JULY 06...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
AUG. 10...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
SEP. 14...	.01	--	.00	--	.00	--	.00	--	.00

DATE	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL-PARA-THION (UG/L)	METHYL-PARA-THION IN BOTTOM DE-POSITS (UG/KG)	PARA-THION (UG/L)
NOV. 04...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
MAR. 26...	<.2	.0	<1.0	.00	.00	--	.00	--	.00
JULY 06...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
AUG. 10...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00
SEP. 14...	--	.0	--	.00	.00	--	.00	--	.00

DATE	PARA-THION IN BOTTOM DE-POSITS (UG/KG)	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
NOV. 04...	<.2	.0	<10	.00	<1.1	.00	<.3	.00	<.4
MAR. 26...	--	.0	<10	.00	<8.0	.00	<3.6	.00	<2.2
JULY 06...	<.2	.0	<10	.00	<1.2	.00	<.4	.00	<.4
AUG. 10...	<.2	.0	<10	.00	<.8	.00	<.2	.00	<.2
SEP. 14...	--	.0	--	.10	--	.03	--	.00	--



TABLE 147.--08210000 NUENCES RIVER NEAR THREE RIVERS, TEX.  
(Lat 28°26'10", long 98°11'08")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SiO2) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG)	SODIUM PLUS PO-TAS-SIUM (NA+K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
OCT.												
08...	1020	990	13	49	6.4	23	152	0	30	30	.1	.32
13...	1445	222	15	58	6.7	37	179	0	39	45	.2	--
DEC.												
02...	1025	13	20	130	20	290	444	0	190	340	.4	.33
JAN., 1971												
27...	0930	17	7.7	140	32	480	460	0	360	540	.6	--
FEB.												
02...	0900	13	13	130	30	470	462	0	340	520	.6	.26
MAR.												
04...	1513	11	14	130	30	430	468	0	330	470	.6	--
APR.												
06...	1030	5.1	16	140	30	440	508	0	320	470	.7	.03
MAY												
10...	1305	1.5	32	120	27	530	433	0	250	670	--	--
JUNE												
02...	1000	.21	31	130	26	510	462	0	270	640	.6	.83
16...	1140	711	40	45	2.3	63	150	0	31	70	.4	--
17...	1515	1050	2.5	42	1.8	45	88	6	54	50	.3	--
JULY												
03...	1045	1430	13	46	1.8	23	162	0	17	14	.2	--
07...	1345	23000	14	38	3.0	13	136	0	14	6.0	.1	--
12...	1525	11400	15	48	3.0	12	164	0	12	7.5	.1	--
20...	1105	92	23	69	4.9	36	242	0	18	36	.1	--
AUG.												
17...	1100	5690	31	48	5.0	25	156	0	28	27	.2	.27
20...	1420	30200	12	42	3.7	6.6	147	0	6.0	5.0	.0	--
SEP.												
30...	1250	1730	17	56	6.9	50	172	0	38	67	.1	--

DATE	NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)
OCT.												
08...	.000	.00	.3	.14	228	213	69	150	24	.8	393	7.3
13...	--	--	.3	--	290	--	--	170	26	1.2	493	7.6
DEC.												
02...	.000	.00	.00	.36	1210	54	19	410	43	6.3	1990	8.0
JAN., 1971												
27...	--	--	.00	--	1790	--	--	470	92	9.5	2910	8.0
FEB.												
02...	.000	.00	.00	.25	1720	29	7	450	72	9.5	2810	8.0
MAR.												
04...	--	--	.2	--	1640	--	--	450	67	8.8	2670	8.1
APR.												
06...	.000	.00	.4	.60	1660	26	6	460	44	8.9	2690	8.1
MAY												
10...	--	--	1.2	--	1850	--	--	420	60	11	3190	7.8
JUNE												
02...	.000	.00	.1	.63	1840	67	33	440	63	11	3090	8.0
16...	--	--	1.0	--	330	--	--	120	0	2.5	558	7.3
17...	--	--	.00	--	245	--	--	110	40	1.8	481	8.5
JULY												
03...	--	--	.4	--	197	--	--	120	0	.9	345	7.2
07...	--	--	.3	--	156	--	--	110	0	.5	265	7.4
12...	--	--	.2	--	180	--	--	130	0	.5	312	7.4
20...	--	--	.3	--	307	--	--	190	0	1.1	530	7.7
AUG.												
17...	.000	.00	.00	.12	241	54	8	140	12	.9	388	7.4
20...	--	--	.2	--	148	--	--	120	0	.3	261	7.3
SEP.												
30...	--	--	.6	--	323	--	--	170	27	1.7	538	7.7

TABLE 147.--08210000 NUECES RIVER NEAR THREE RIVERS, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TEMPERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	PHENOLS (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DIS-SOLVED ALUMINUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)
OCT.												
08...	26.0	30	90	5.1	62	30	1.3	2	.03	100	0	0
13...	22.5	--	--	--	--	--	--	--	--	--	--	--
DEC.												
02...	22.5	34	8	7.2	82	110	2.4	4	.00	--	--	--
JAN., 1971												
27...	18.5	--	--	--	--	--	--	--	--	--	--	--
FEB.												
02...	12.0	11	10	8.5	79	19	1.8	0	.00	10	0	0
MAR.												
04...	16.5	--	--	--	--	--	--	--	--	--	--	--
APR.												
06...	18.5	15	15	8.5	90	26	2.0	0	.13	0	0	1
MAY												
10...	28.5	--	--	--	--	--	--	--	--	--	--	--
JUNE												
02...	27.5	20	30	6.1	76	37	4.5	0	.14	--	--	--
16...	24.5	--	--	--	--	--	--	--	--	--	--	--
17...	25.5	--	--	--	--	--	--	--	--	--	--	--
JULY												
03...	28.0	--	--	--	--	--	--	--	--	--	--	--
07...	30.0	--	--	--	--	--	--	--	--	--	--	--
12...	29.5	--	--	--	--	--	--	--	--	--	--	--
20...	29.0	--	--	--	--	--	--	--	--	--	--	--
AUG.												
17...	30.5	42	30	5.8	76	21	1.7	0	.04	20	0	1
20...	30.0	--	--	--	--	--	--	--	--	--	--	--
SEP.												
30...	27.5	--	--	--	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED CHROMIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRONTIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT.											
08...	0	0	5	4	0	0	1	<.5	7	250	0
13...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
02...	--	--	--	--	--	--	--	--	--	--	--
JAN., 1971											
27...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
02...	0	0	2	17	0	160	18	<.5	0	1300	8
MAR.											
04...	--	--	--	--	--	--	--	--	--	--	--
APR.											
06...	0	0	3	10	0	260	30	<.5	0	1600	10
MAY											
10...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
02...	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
JULY											
03...	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
17...	0	0	4	10	0	10	2	<.5	2	260	0
20...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
30...	--	--	--	--	--	--	--	--	--	--	--

TABLE 147.--08210000 NUECES RIVER NEAR THREE RIVERS, TEX.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
OCT. 08...	1020	990	.00	--	.00	--	.00	--	.00	--
DEC. 02...	1025	13	--	<.2	--	<.2	--	<.2	--	<.2
FEB. 02...	0900	13	.00	<.2	.00	<.2	.00	<.2	.00	<.2
APR. 06...	1030	5.1	.00	<.2	.00	<.2	.00	.6	.00	<.2
AUG. 17...	1100	5690	.00	<.2	.00	<.2	.00	<.2	.00	<.2

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM DE-POSITS (UG/KG)	LINDANE (UG/L)	LINDANE IN BOTTOM DE-POSITS (UG/KG)
OCT. 08...	.00	--	.00	--	.00	--	.00	--	.00	--
DEC. 02...	--	<.2	--	<.2	--	<.2	--	<.2	--	<.2
FEB. 02...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2
APR. 06...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2
AUG. 17...	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2

DATE	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	Di-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL-PARA-THION (UG/L)	METHYL-PARA-THION IN BOTTOM DE-POSITS (UG/KG)	PARA-THION (UG/L)	PARA-THION IN BOTTOM DE-POSITS (UG/KG)
OCT. 08...	.0	--	.00	.00	--	.00	--	.00	--
DEC. 02...	--	<1.0	--	--	<.2	--	<.2	--	<.2
FEB. 02...	.0	<1.0	.00	.00	<.2	.00	<.2	.00	<.2
APR. 06...	.0	<1.0	.00	.00	<.2	.00	<.2	.00	<.2
AUG. 17...	.0	<1.0	.00	.00	<.2	.00	<.2	.00	<.2

DATE	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
OCT. 08...	.0	--	.00	--	.02	--	.00	--
DEC. 02...	--	<10	--	<5.0	--	<.6	--	<.5
FEB. 02...	.0	<10	.00	<4.0	.00	<.5	.00	<.4
APR. 06...	.0	<10	.00	<1.9	.00	<.5	.00	<.5
AUG. 17...	.0	<10	.00	<1.8	.02	<.5	.00	<.5

TABLE 148.--08446500 PECOS RIVER NEAR GIRVIN, TEX.  
(Lat 31°06'40", long 102°25'00")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)
FEB. 23...	1400	24	.00	.00	.00	.00	.00	.00	.00	.00
MAY 05...	1310	24	.00	.00	.00	.00	.00	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR-DANE (UG/L)	DI-AZINON (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	PARA-THION (UG/L)	TOX-APHENE (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
FEB. 23...	.00	.0	.00	.00	.00	.00	.0	.00	.00	.00
MAY 05...	.00	.0	.00	.00	.00	.00	.0	.00	.00	.00

TABLE 149. --08469200 RIO GRANDE BELOW ANZALDUAS DAM, TEX.  
(Lat 26°08'06", long 98°20'05")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
OCT.										
13...	0800	125	.00	.00	.00	.00	.00	.00	.00	.00
NOV.										
16...	1045	400	.00	.00	.00	.00	.00	.00	.00	.00
DEC.										
18...	1115	600	.00	.00	.00	.00	.00	.00	.00	.00
JAN.										
15...	1210	2200	.00	.00	.00	.00	.00	.00	.00	.00
FEB.										
26...	1105	1040	.00	.00	.00	.00	.00	.00	.00	.00
MAR.										
17...	1025	1100	.00	.00	.00	.00	.00	.00	.00	.00
APR.										
16...	1135	200	.00	.00	.00	.00	.00	.00	.00	.00
MAY										
20...	0945	2200	.00	.00	.00	.00	.00	.00	.00	.00
JUNE										
17...	0800	3000	.00	.00	.00	.00	.00	.00	.00	.00
JULY										
19...	0955	400	.00	.00	.00	.00	.00	.00	.00	.00
AUG.										
12...	1020	10	.00	.00	.00	.00	.00	.00	.00	.00

DATE	LINDANE (UG/L)	CHLOR- DANE (UG/L)	DI- AZINON (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	TOX- APHENE (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
OCT.										
13...	.00	.0	.00	.00	.00	.00	.0	.00	.00	.00
NOV.										
16...	.00	.0	.00	.00	.00	.00	.0	.00	.00	.00
DEC.										
18...	.00	.0	.00	.00	.00	.00	.0	.00	.00	.00
JAN.										
15...	.00	.0	.00	.00	.00	.00	.0	.00	.00	.00
FEB.										
26...	.00	.0	--	.00	.00	.00	.0	.00	.00	.00
MAR.										
17...	.00	.0	.00	.00	.00	.00	.0	.00	.00	.00
APR.										
16...	.00	.0	.00	.00	.00	.00	.0	.00	.00	.00
MAY										
20...	.00	.0	.00	.00	.00	.00	.0	.00	.00	.00
JUNE										
17...	.00	.0	.00	.00	.00	.00	.0	.00	.00	.00
JULY										
19...	.00	.0	.00	.00	.00	.00	.0	.00	.01	.00
AUG.										
12...	.00	.0	.00	.00	.00	.00	.0	.00	.00	.00

TABLE 150.--08470300 ARROYO COLORADO FLOODWAY AT EL FUSTE SIPHON, SOUTH OF MERCEDES, TEX.  
(Lat 26°07'45", long 97°54'45")

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DOE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
AUG. 19...	1630	29	.00	<.2	.00	1.8	.01	9.8	.00	.9

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOT-TOM DE-POSITS (UG/KG)	LINDANE (UG/L)
AUG. 19...	.01	<.2	.00	<.2	.00	<.2	.00	<.2	.00

DATE	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)	MALA-THION (UG/L)	MALA-THION IN BOTTOM DE-POSITS (UG/KG)	METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOT-TOM DE-POSITS (UG/KG)	PARA-THION (UG/L)
AUG. 19...	<.2	.0	<1.0	.00	.00	<.2	.00	<.2	.00

DATE	PARA-THION IN BOTTOM DE-POSITS (UG/KG)	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
AUG. 19...	<.2	.0	<10	.00	<1.3	.00	<.3	.00	<.3

Table 151. Sites at which Polychlorinated Biphenyl (PCB) Compounds were detected in water, 1971 water year

Station number	Station name	Date	Time	Discharge (cfs)	Concentration ( $\mu\text{g}/\text{l}$ )
07227500	Canadian River near Amarillo, Tex.	Jan. 28, 1971	0915	38	3.0
08068750	Cypress Creek near Cypress, Tex.	Feb. 19, 1971	1000	.18	.1
		June 17, 1971	0915	.74	.2
08074700	Buffalo Bayou at 69th Street, Houston, Tex.	June 22, 1971	0820	--	.4
08114000	Brazos River at Richmond, Tex.	Nov. 3, 1970	1315	4320	.3
		Dec. 17, 1970	1430	754	.5
		Feb. 17, 1971	1500	599	.1
		June 16, 1971	1315	907	.2
		Aug. 18, 1971	1445	1590	.4
08116650	Brazos River near Rosharon, Tex.	June 16, 1971	1500	178	.1
08164850	Chocolate Bayou at Port Lavaca, Tex.	Sept. 15, 1971	0935	973	.4



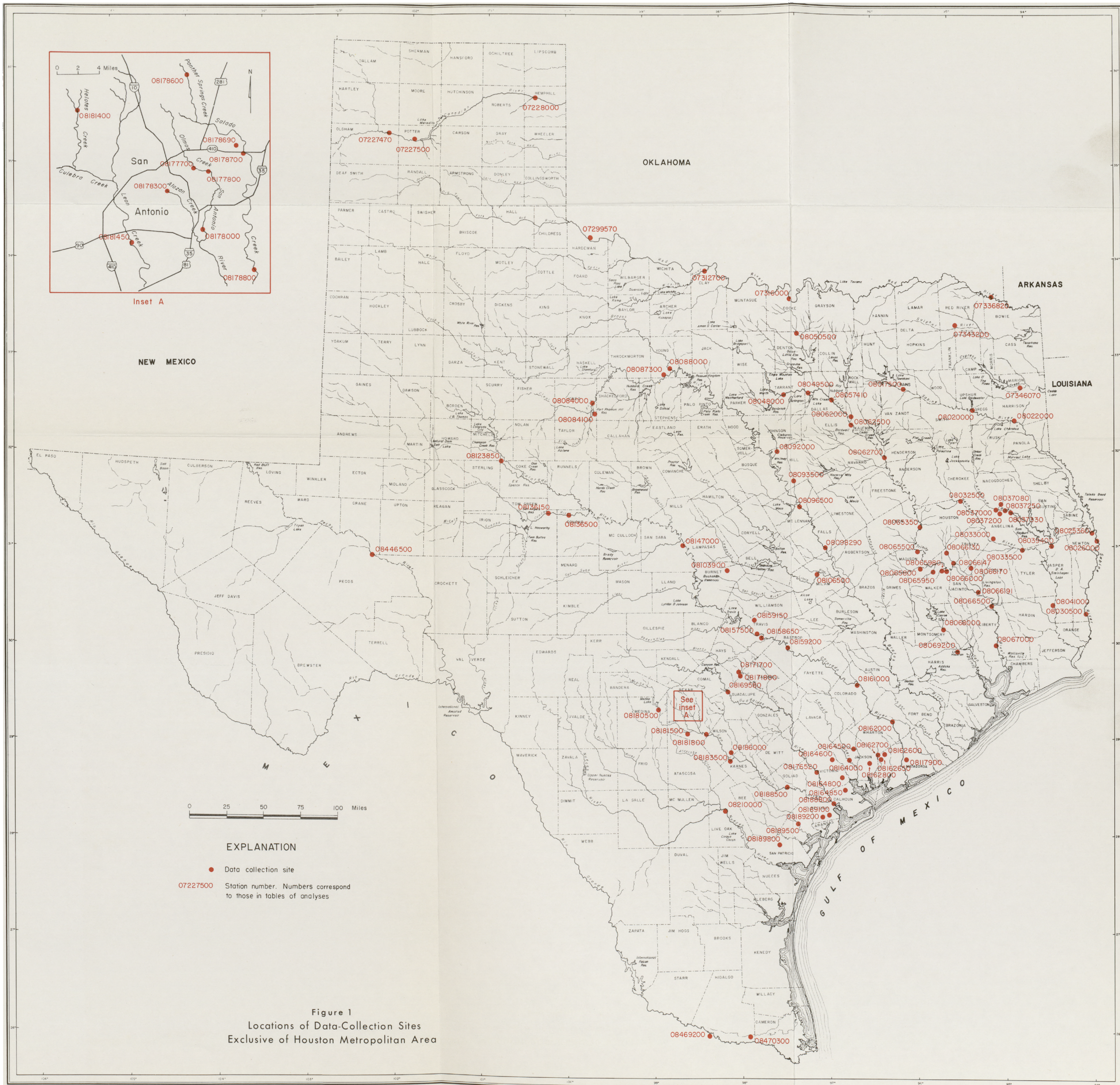
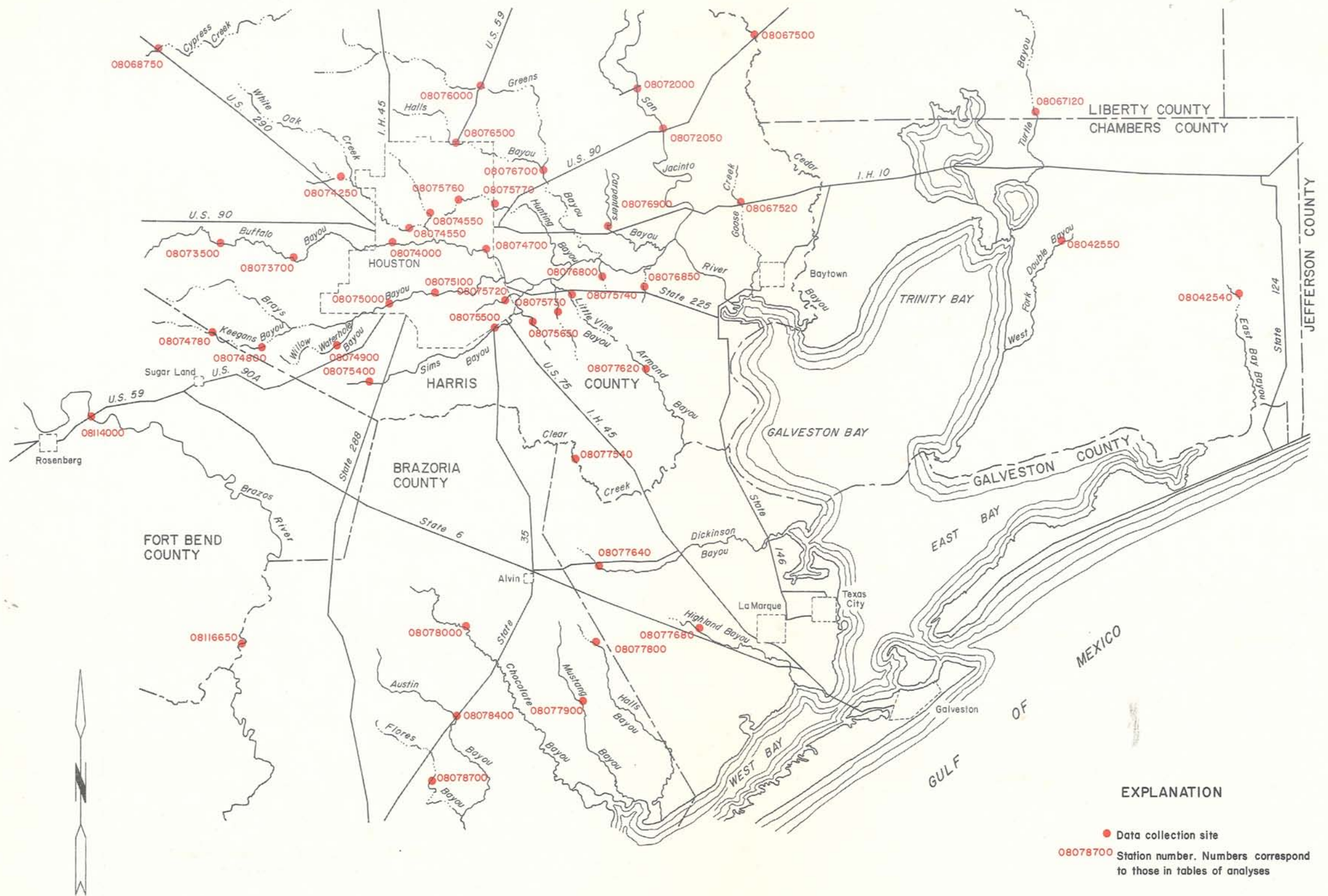


Figure 1  
 Locations of Data-Collection Sites  
 Exclusive of Houston Metropolitan Area



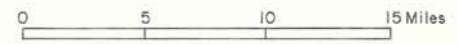
Table 152. Sites at which Polychlorinated Biphenyl (PCB) Compounds were detected in bottom deposits, 1971 water year

Station number	Station name	Date	Time	Discharge (cfs)	Concentration ( $\mu\text{g}/\text{kg}$ )
08057410	Trinity River below Dallas, Tex.	June 22, 1971	1050	923	280
		Sept. 23, 1971	1330	845	250
08062500	Trinity River near Rosser, Tex.	June 22, 1971	1630	1040	150
		Sept. 22, 1971	1300	293	130
08176520	Guadalupe River below Victoria, Tex.	Apr. 6, 1971	1930	412	14
		Aug. 18, 1971	0900	654	15
08181800	San Antonio River near Elmendorf, Tex	Apr. 5, 1971	1620	121	100
08189500	Mission River at Refugio, Tex.	Apr. 6, 1971	1530	3.1	12
08210000	Nueces River at Three Rivers, Tex.	Aug. 17, 1971	1100	5690	7.9



**EXPLANATION**

- Data collection site
- 08078700 Station number. Numbers correspond to those in tables of analyses



**Figure 2**  
**Locations of Data-Collection Sites**  
**in the Houston Metropolitan Area**

