HYDROLOGIC MONITORING IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, MISSISSIPPI-ALABAMA

FISCAL YEAR 1984

by

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ILLUSTRATIONS

FACTORS FOR CONVERTING INCH-POUND UNITS TO

INTERNATIONAL SYSTEM OF UNITS (SI)

Multiply	By	To obtain
inch (in.)	25.40	millimeter (mm)
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)
square mile (mi2)	2.590	square kilometer (km2)
acre-foot (acre-ft)	1,233	cubic meter (m3)
cubic foot per second (ft^3/s)	0.02832	cubic meter per second (m^3/s)
gallon per minute (gal/min)	0.06308	liter per second (L/s)
degree Fahrenheit (°F)	C = 5/9 (°F-32)	degree Celsius (°C)
micromho per centimeter at 25° Celsius (umho/cm at 25°C)	1.000	microsiemens per centimeter at 25° Celsius (uS/cm) at 25°C)

HYDROLOGIC MONITORING IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, MISSISSIPPI-ALABAMA FISCAL YEAR 1984

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ABSTRACT

This report, the eleventh in a series of annual reports presenting hydrologic data collected from the area of the Tennessee-Tombigbee Waterway, covers the fiscal year ending September 30, 1984. The Waterway has been under construction since the early 1970's and is due for completion in 1985. The lower end of the Waterway from Demopolis Lake through Aberdeen Lake and the upper end from Bay Springs Lake to Pickwick Lake have been completed and filled. The only portion of the Waterway not complete is the canal section between Aberdeen Lake and Bay Springs Lake. Included in this report are data on ground-water levels and quality; surface-water stage, discharge, and quality; and disposal area water levels, water quality, and rainfall. These data were obtained at the request of the U.S. Army, Corps of Engineers, Mobile and Nashville Districts, as part of comprehensive programs to monitor the hydrologic effects of construction and operation of the Waterway.

HYDROLOGIC MONITORING NETWORK

Sampling sites and observation wells used to define hydrologic conditions prior to construction are described by Brahana and others (1974) in the U.S. Army Corps of Engineers report entitled, "First Supplemental Environmental Report, Continuing Environmental Studies, Tennessee-Tombigbee Waterway." That original network of surface- and ground-water sites has been modified into the present hydrologic monitoring network (figs. 1-10). The network is designed to provide monitoring capabilities at selected hydrologic sites, including:

(1) Major aquifers that may be stressed by Waterway construction and operation;

(2) Surface-water sites near locks and dams where the effects of construction may be greatest, or near points of inflow or outflow of major tributaries;

(3) Areas where hydrologic problems already existed;

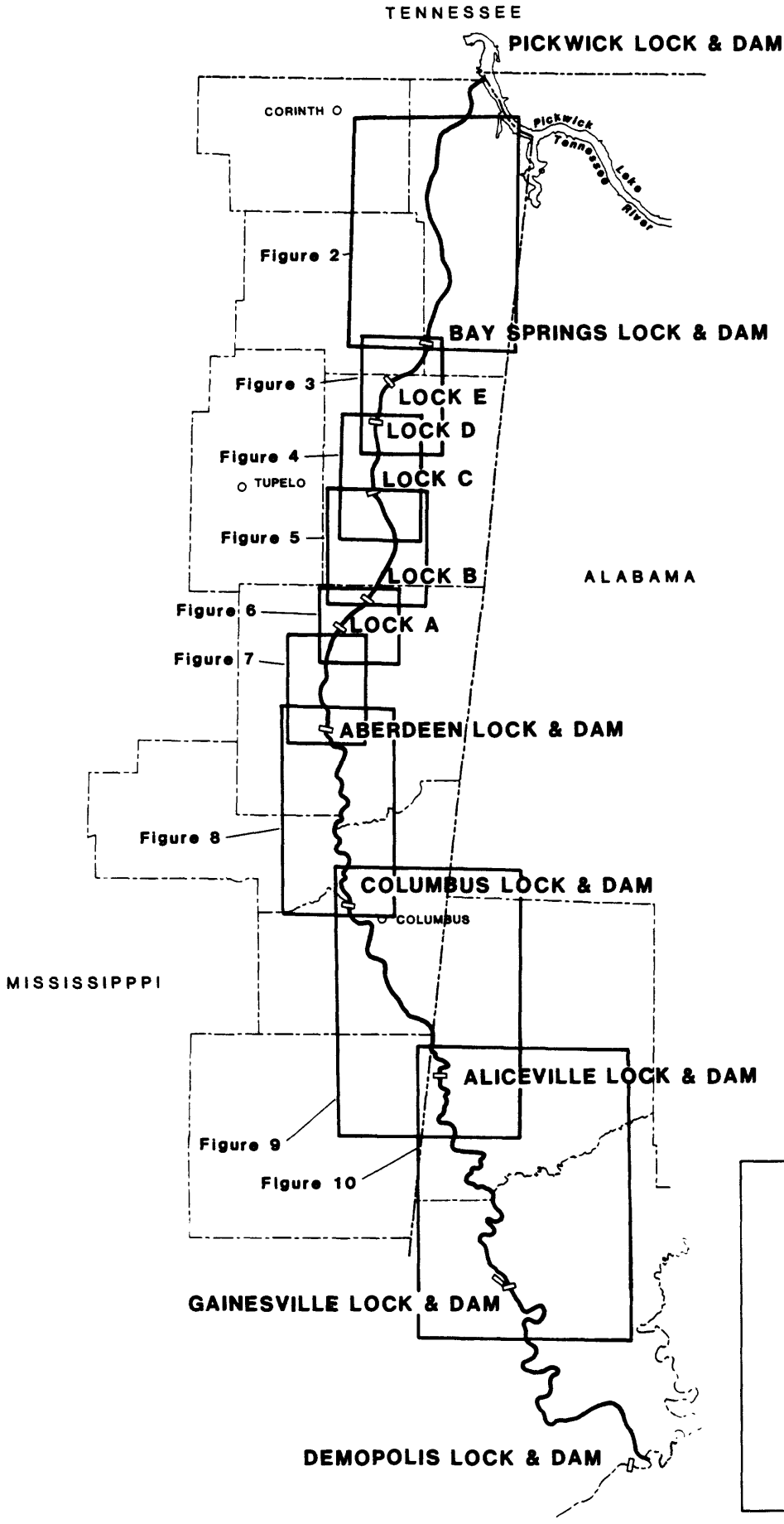
(4) Selected locations in and/or near Pickwick Lake and Demopolis Lake that monitor boundary conditions.

The purpose of the monitoring network is to document changes in the hydrologic environment that may occur during construction and operation of the Waterway. Ongoing monitoring will provide data and a refined definition of the system on which to base construction, management, and environmental decisions.

Ground Water

Ground-Water Network

The basic ground-water network consists of 13 lines of wells located approximately perpendicular to the Waterway. The basic network is supplemented by wells located in or near construction areas that are either planned, in progress, or completed. Numerous wells monitor the regional aquifers and the related alluvial and terrace aquifers. The relationship of these local water-bearing units to the regional aquifers is described by Brahana and others (1974). Descriptions of wells in the network are tabulated in Appendix A.



TENNESSEE-TOMBIGBEE WATERWAY
HYDROLOGIC MONITORING PROGRAM

INDEX MAP

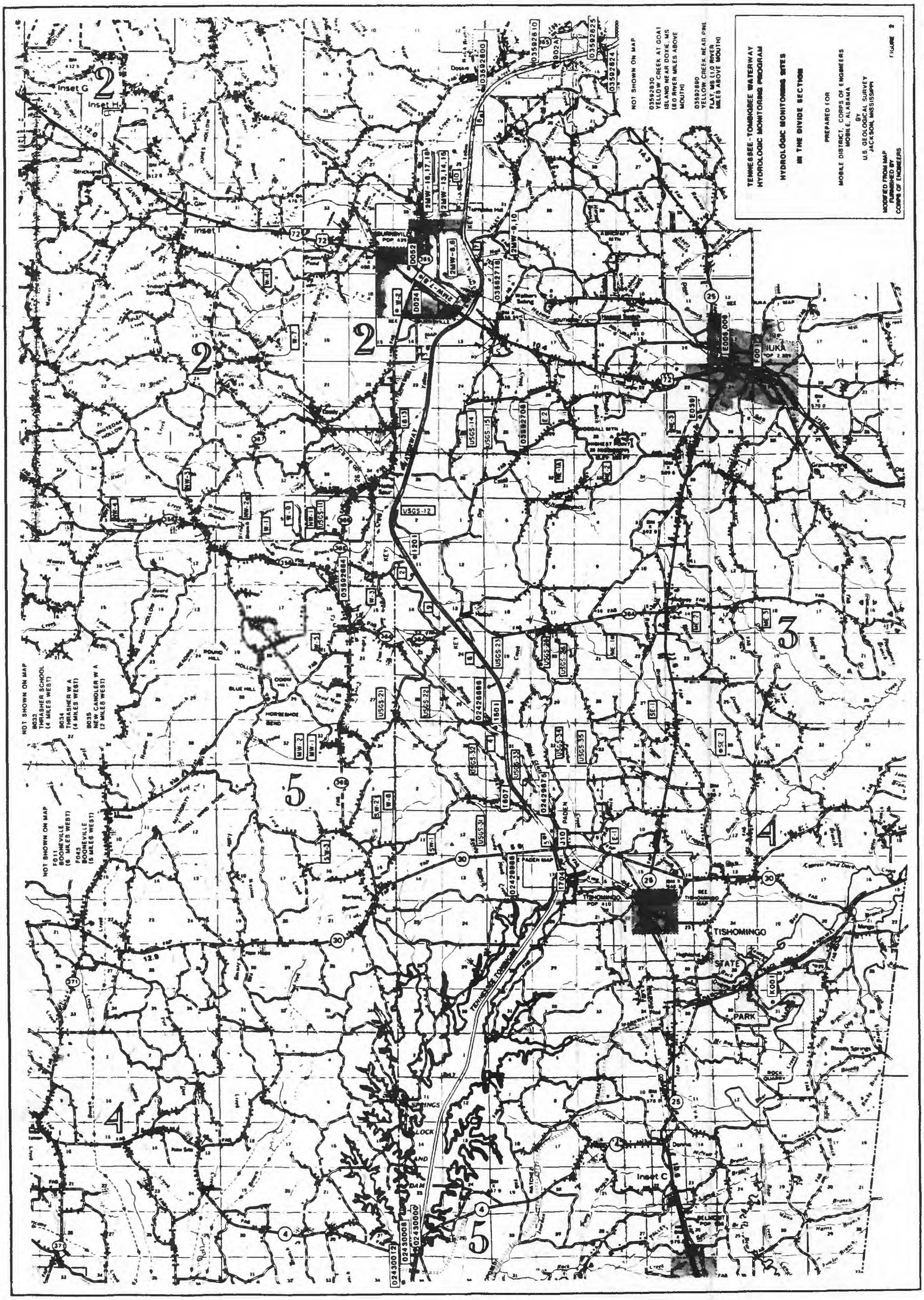
PREPARED FOR

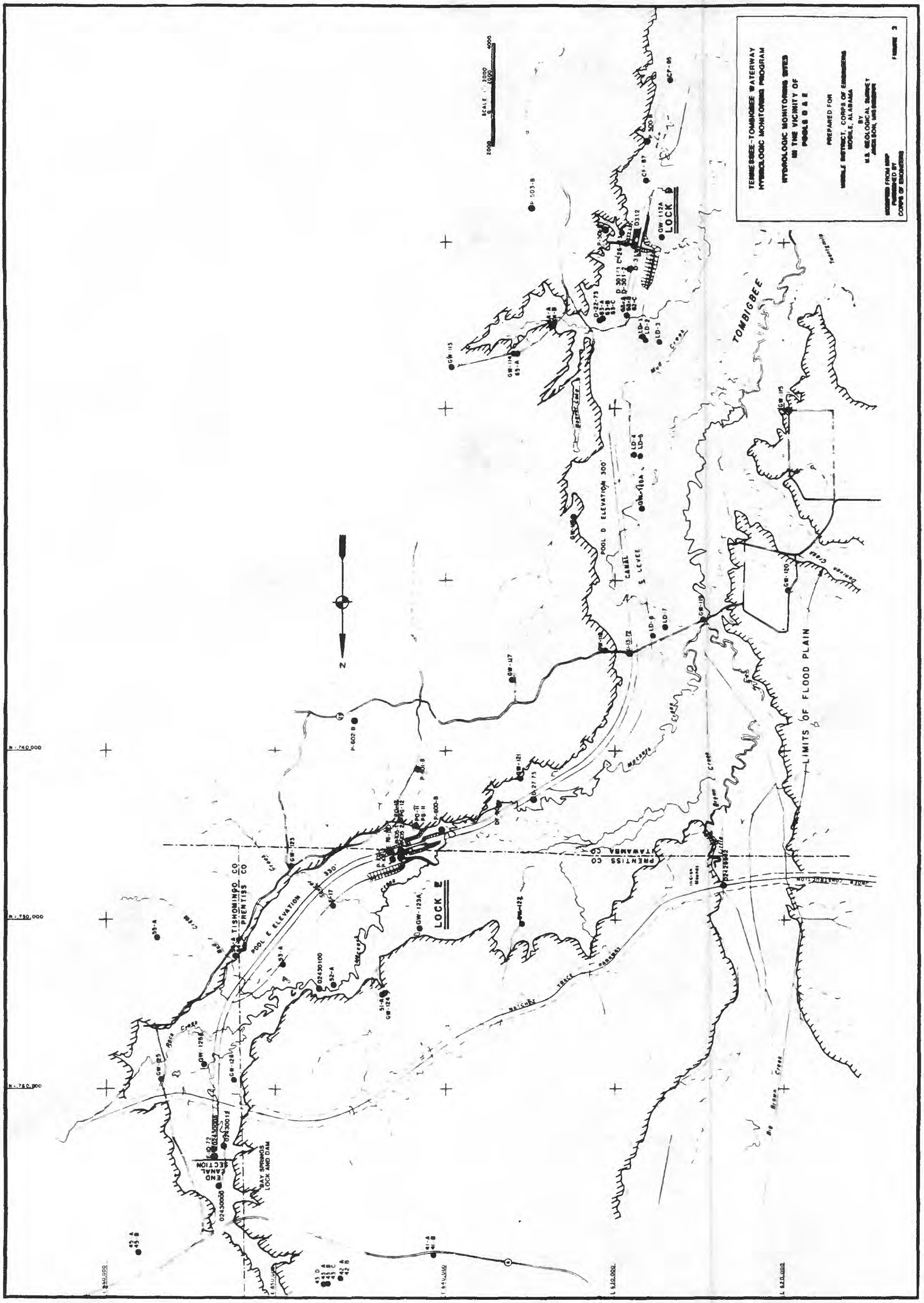
MOBILE DISTRICT, CORPS OF ENGINEERS
MOBILE, ALABAMA

BY

U.S. GEOLOGICAL SURVEY
JACKSON, MISSISSIPPI

FIGURE 1


TENNESSEE-TOMBIGBEE WATERWAY
HYDROLOGIC MONITORING PROGRAM
HYDROLOGIC MONITORING SITES
IN THE DIVIDE SECTION
PREPARED FOR
MOBILE DISTRICT, CORPS OF ENGINEERS
MOBILE, ALABAMA
BY
U.S. GEOLOGICAL SURVEY
JACKSON, MISSISSIPPI
MODIFIED FROM MAP
FURNISHED BY
CORPS OF ENGINEERS
FIGURE 2
NOT SHOWN ON MAP
03592830
YELLOW CREEK AT GOAT ISLAND NEAR DOXIE, MS
(6.0 RIVER MILES ABOVE MOUTH)
03592890
YELLOW CREEK NEAR PINE FLAT, MS (1.0 RIVER MILES ABOVE MOUTH)
NOT SHOWN ON MAP
F011
BOONEVILLE
(6 MILES WEST)
F043
BOONEVILLE
(5 MILES WEST)
NOT SHOWN ON MAP
B033
THRASHER SCHOOL
(4 MILES WEST)
B034
THRASHER W A
(4 MILES WEST)
B035
NEW CANDLER W A
(2 MILES WEST)
TISHOMINGO
STATE
PARK
IUKA
PADEN


TENNESSEE-TOMBIGBEE WATERWAY
HYDROLOGIC MONITORING PROGRAM
HYDROLOGIC MONITORING SITES
IN THE VICINITY OF
POOLS D & E
PREPARED FOR
MOBILE DISTRICT, CORPS OF ENGINEERS
MOBILE, ALABAMA
BY
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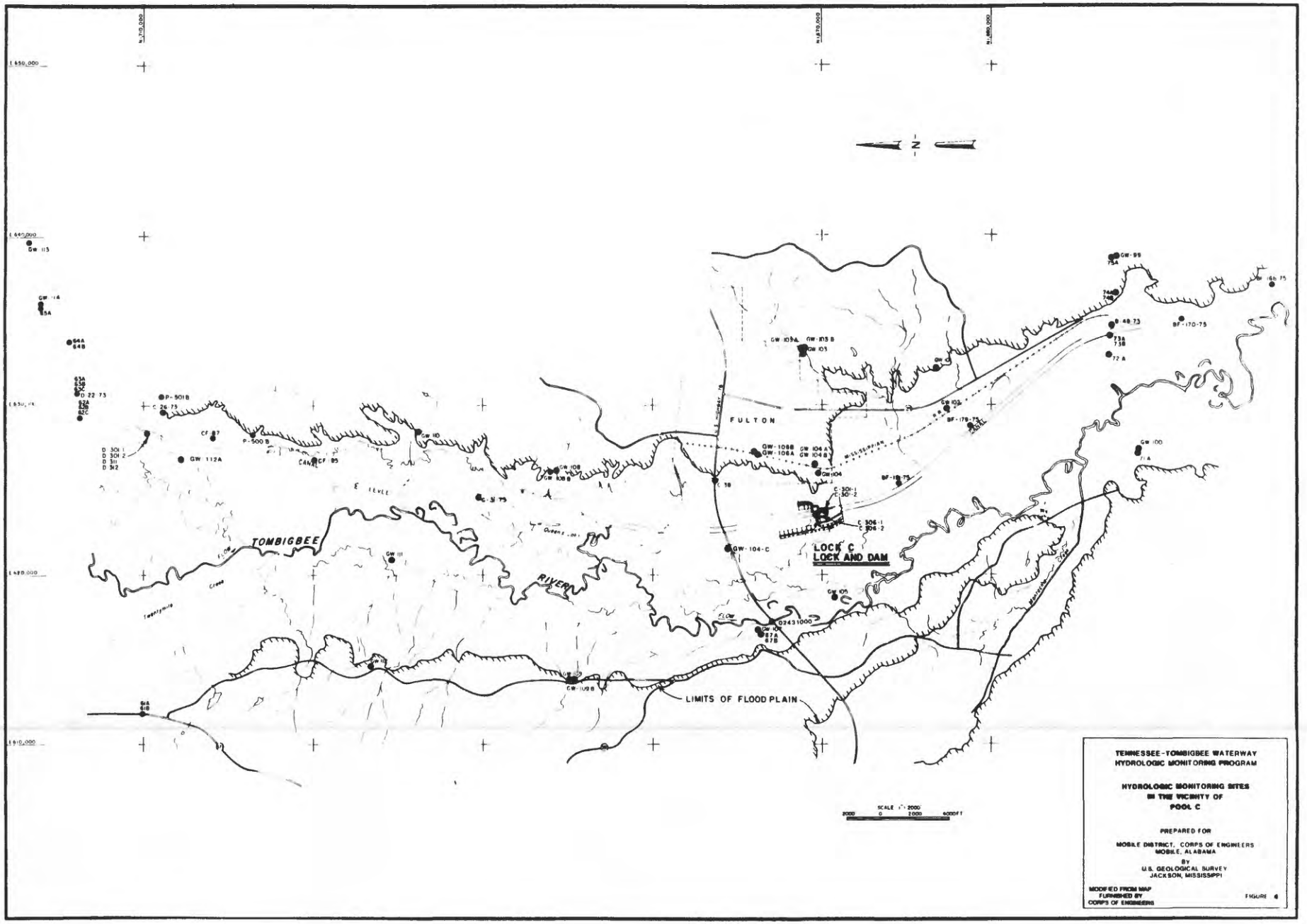
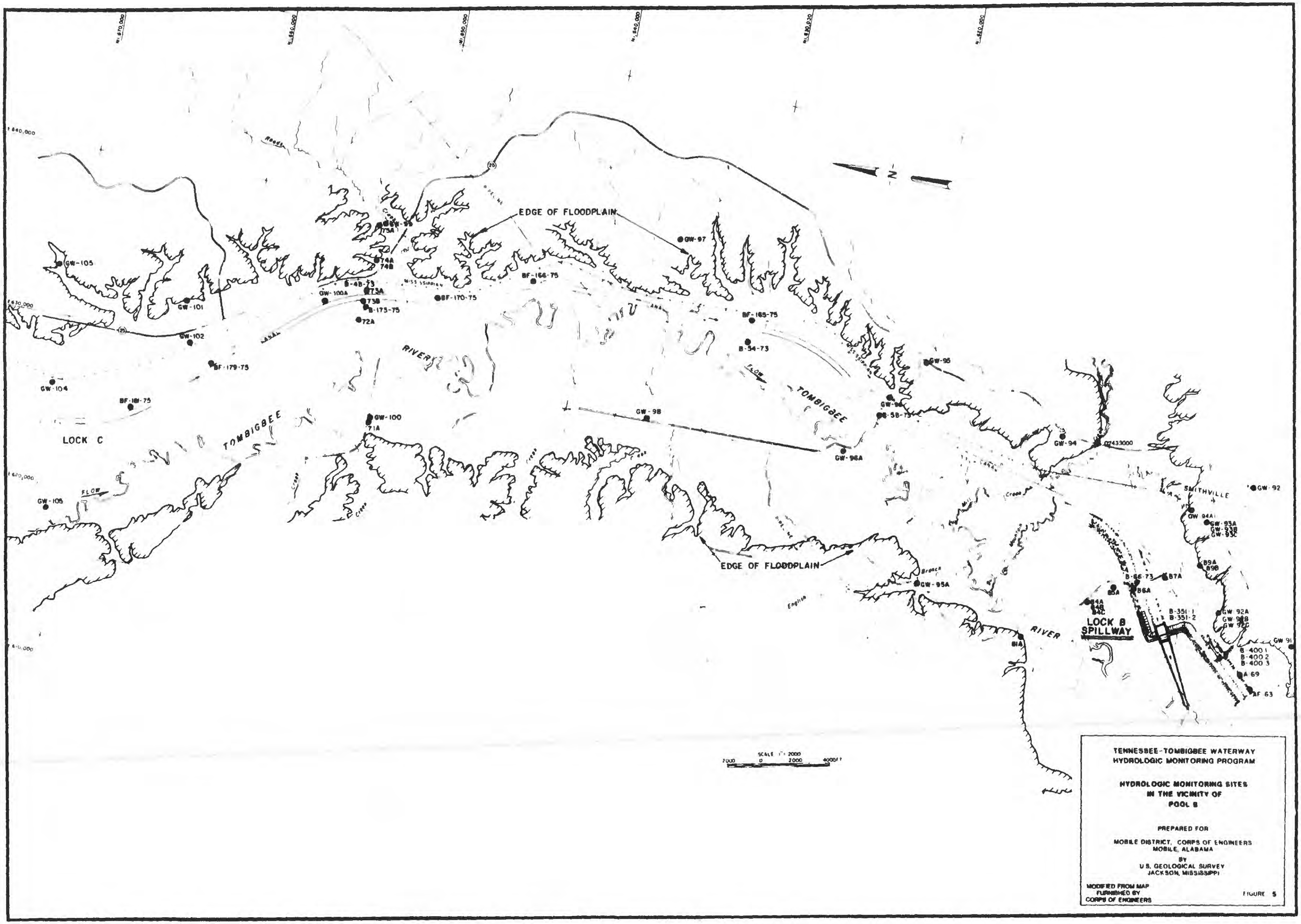
JACKSON, MISSISSIPPI
FURNISHED BY
CORPS OF ENGINEERS
FIGURE 3
SCALE
LOCK D
LOCK E
POOL D ELEVATION 300'
POOL E ELEVATION 330'
CANAL
LEVEE
TOMBIGBEE
LIMITS OF FLOOD PLAIN
TISHOMINGO CO
PRENTISS CO
ITAWAMBA CO
END CANAL SECTION
BAY SPRINGS LOCK AND DAM
N


N
FULTON
TOMBIGBEE
RIVER
LOCK C
LOCK AND DAM
LIMITS OF FLOOD PLAIN
SCALE 1" = 2000
2000 0 2000 4000FT
TENNESSEE-TOMBIGBEE WATERWAY
HYDROLOGIC MONITORING PROGRAM
HYDROLOGIC MONITORING SITES
IN THE VICINITY OF
POOL C
PREPARED FOR
MOBILE DISTRICT, CORPS OF ENGINEERS
MOBILE, ALABAMA
BY
U.S. GEOLOGICAL SURVEY
JACKSON, MISSISSIPPI
MODIFIED FROM MAP
FURNISHED BY
CORPS OF ENGINEERS
FIGURE 6


TENNESSEE-TOMBIGBEE WATERWAY
HYDROLOGIC MONITORING PROGRAM
HYDROLOGIC MONITORING SITES
IN THE VICINITY OF
POOL B
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BY
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JACKSON, MISSISSIPPI
MODIFIED FROM MAP
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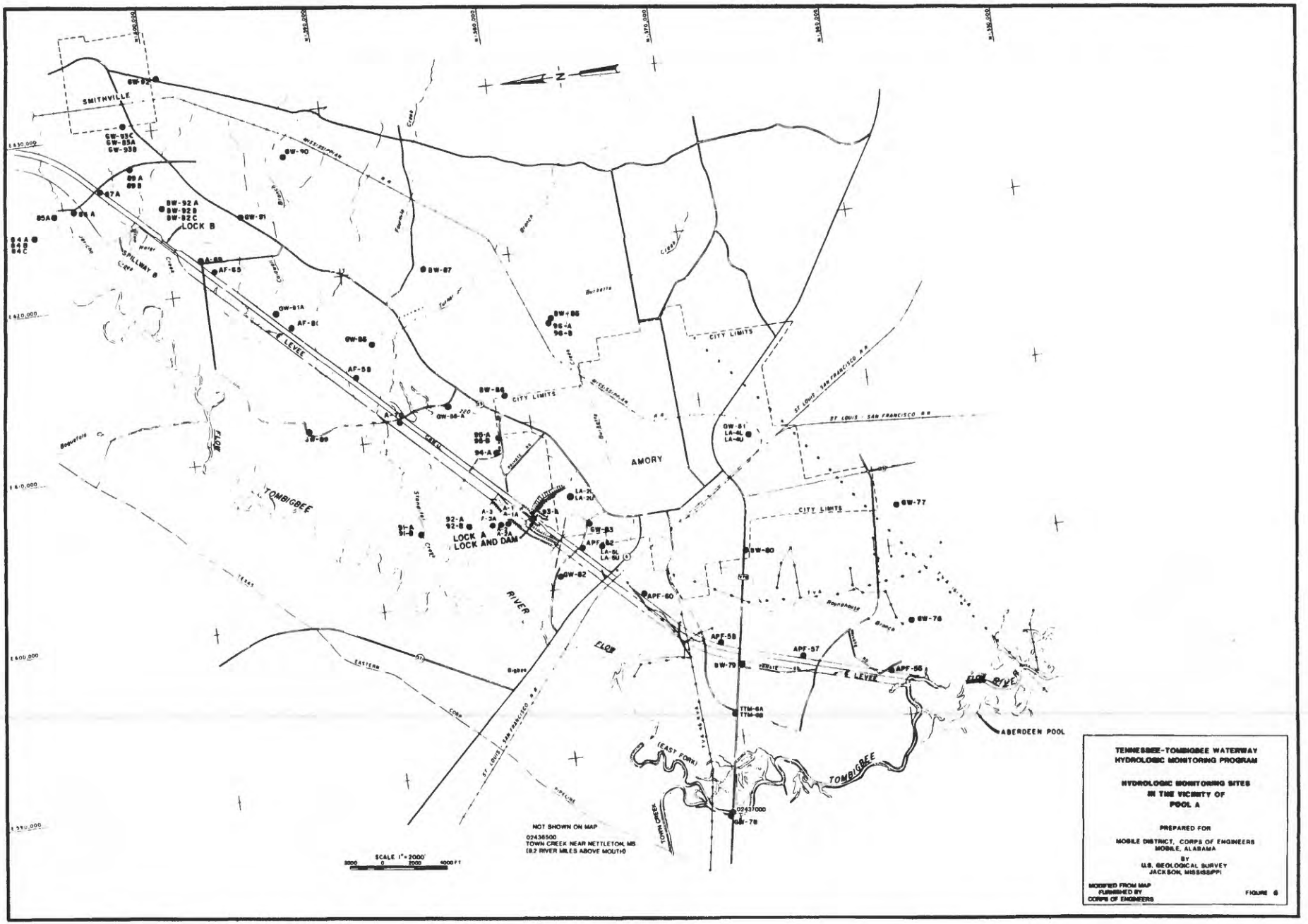
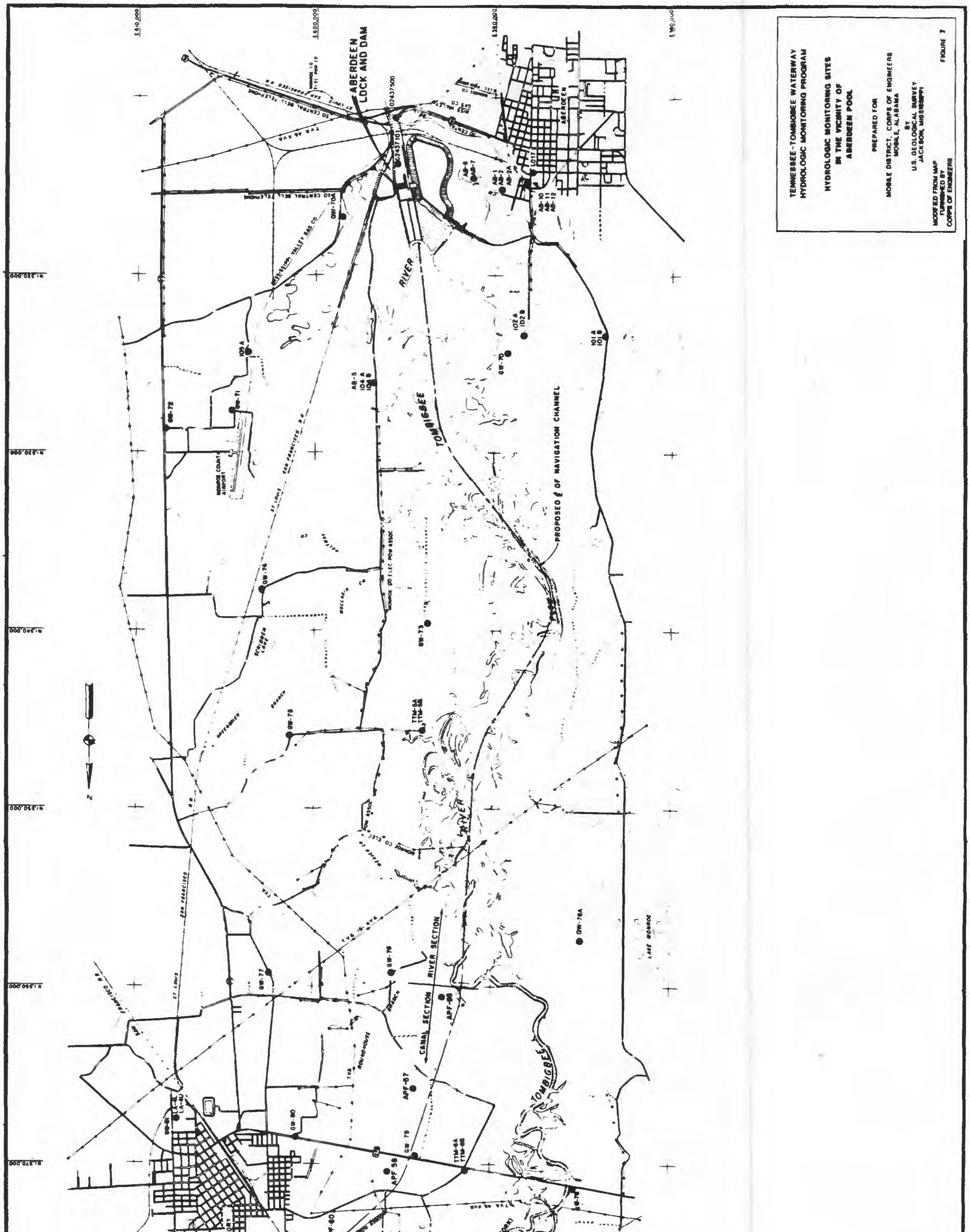
CORPS OF ENGINEERS
FIGURE 5
N
EDGE OF FLOODPLAIN
EDGE OF FLOODPLAIN
TOMBIGBEE
RIVER
TOMBIGBEE
RIVER
FLOW
FLOW
LOCK C
LOCK B
SPILLWAY
SMITHVILLE
SCALE 1" = 2000
2000 0 2000 4000 FT
GW-105
GW-101
GW-102
GW-104
GW-106
BF-179-75
BF-181-75
GW-100A
B-48-73
73A
73B
B-173-75
72A
74A
74B
75A
BF-170-75
BF-166-75
GW-97
BF-165-75
B-54-73
GW-100
71A
GW-98
GW-96A
GW-95
GW-95A
GW-94
02433000
GW-92
GW 94A
GW-93A
GW-93B
GW-93C
89A
89B
B-66-73
87A
86A
85A
84A
84B
84C
B-351-1
B-351-2
GW 92A
GW 92B
GW 92C
GW 91
B-400 1
B-400 2
B-400 3
A 69
AF 63
81A


SMITHVILLE
LOCK B
SPILLWAY
LOCK A
LOCK AND DAM
AMORY
CITY LIMITS
L LEVEE
R LEVEE
TOMBIGBEE
RIVER
FLOY
ABERDEEN POOL
TOWN CREEK
(EAST FORK)
NOT SHOWN ON MAP
02436500
TOWN CREEK NEAR NETTLETON, MS
(0.2 RIVER MILES ABOVE MOUTH)
02437000
SCALE 1"=2000'
2000 0 2000 4000 FT
TENNESSEE-TOMBIGBEE WATERWAY
HYDROLOGIC MONITORING PROGRAM
HYDROLOGIC MONITORING SITES
IN THE VICINITY OF
POOL A
PREPARED FOR
MOBILE DISTRICT, CORPS OF ENGINEERS
MOBILE, ALABAMA
BY
U.S. GEOLOGICAL SURVEY
JACKSON, MISSISSIPPI
MODIFIED FROM MAP
FURNISHED BY
CORPS OF ENGINEERS
FIGURE 6


TENNESSEE-TOMBIGBEE WATERWAY
HYDROLOGIC MONITORING PROGRAM
HYDROLOGIC MONITORING SITES
IN THE VICINITY OF
ABERDEEN POOL
PREPARED FOR
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MOBILE, ALABAMA
BY
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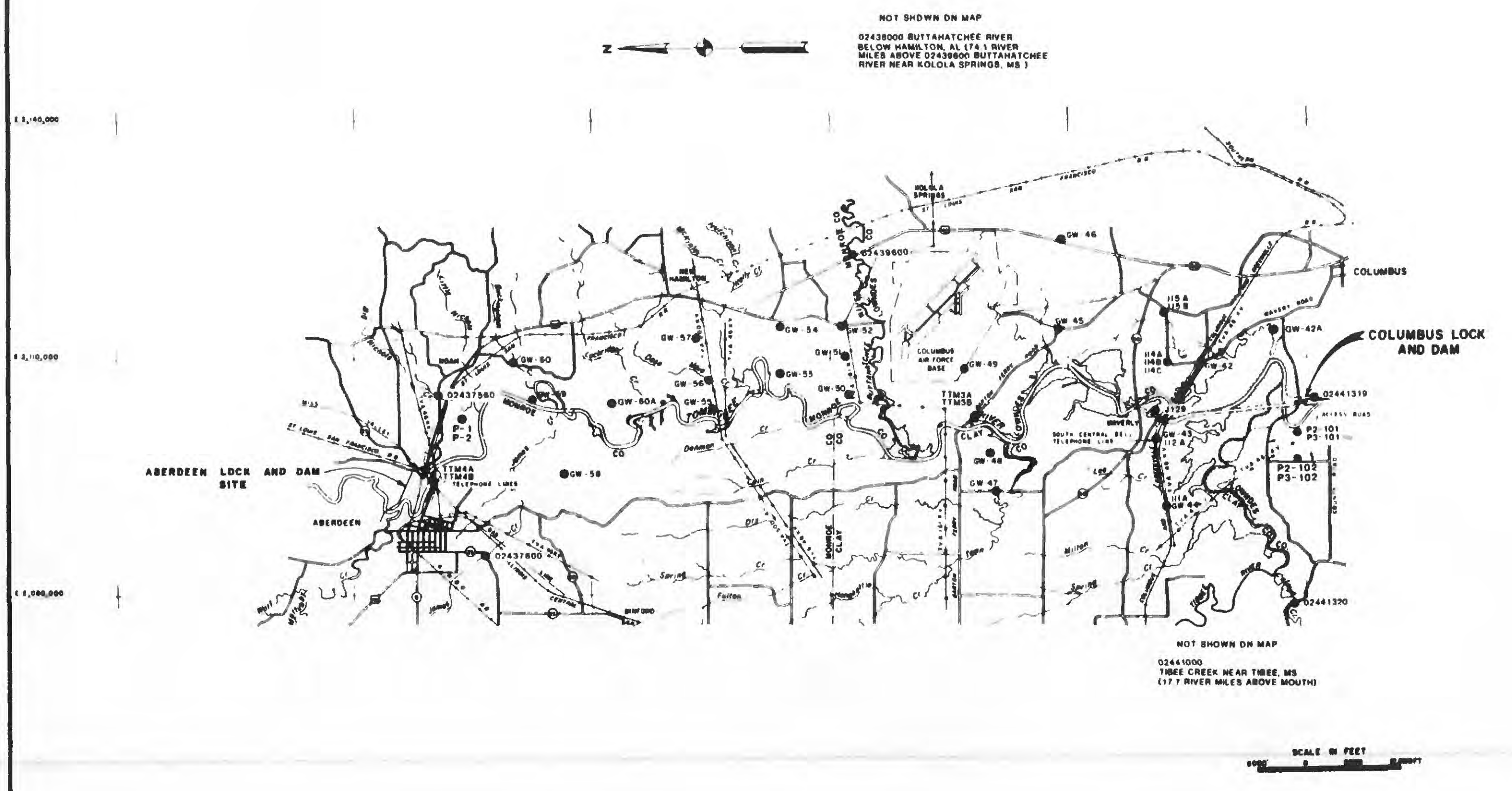
JACKSON, MISSISSIPPI
MODIFIED FROM MAP
FURNISHED BY
CORPS OF ENGINEERS
FIGURE 7
ABERDEEN LOCK AND DAM
02437500
ABERDEEN
TOMBIGBEE RIVER
PROPOSED ℄ OF NAVIGATION CHANNEL
CANAL SECTION
RIVER SECTION
MONROE COUNTY AIRPORT
LAKE MONROE
LOCK A
GW-70
GW-71
GW-72
GW-73
GW-74
GW-75
GW-76
GW-77
GW-78A
GW-79
GW-80
GW-82
APF-57
APF 58
APF-60
APF-62
APF-66
101 A
101 B
102 A
102 B
103 A
104 A
104 B
AB-5
AB-10
AB-11
AB-12
TTM-2A
TTM-2B
TTM-3A
TTM-3B
N



TENNESSEE-TOMBIGBEE WATERWAY
HYDROLOGIC MONITORING PROGRAM

HYDROLOGIC MONITORING SITES
IN THE VICINITY OF
COLUMBUS POOL

PREPARED FOR

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MOBILE, ALABAMA

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MODIFIED FROM MAP
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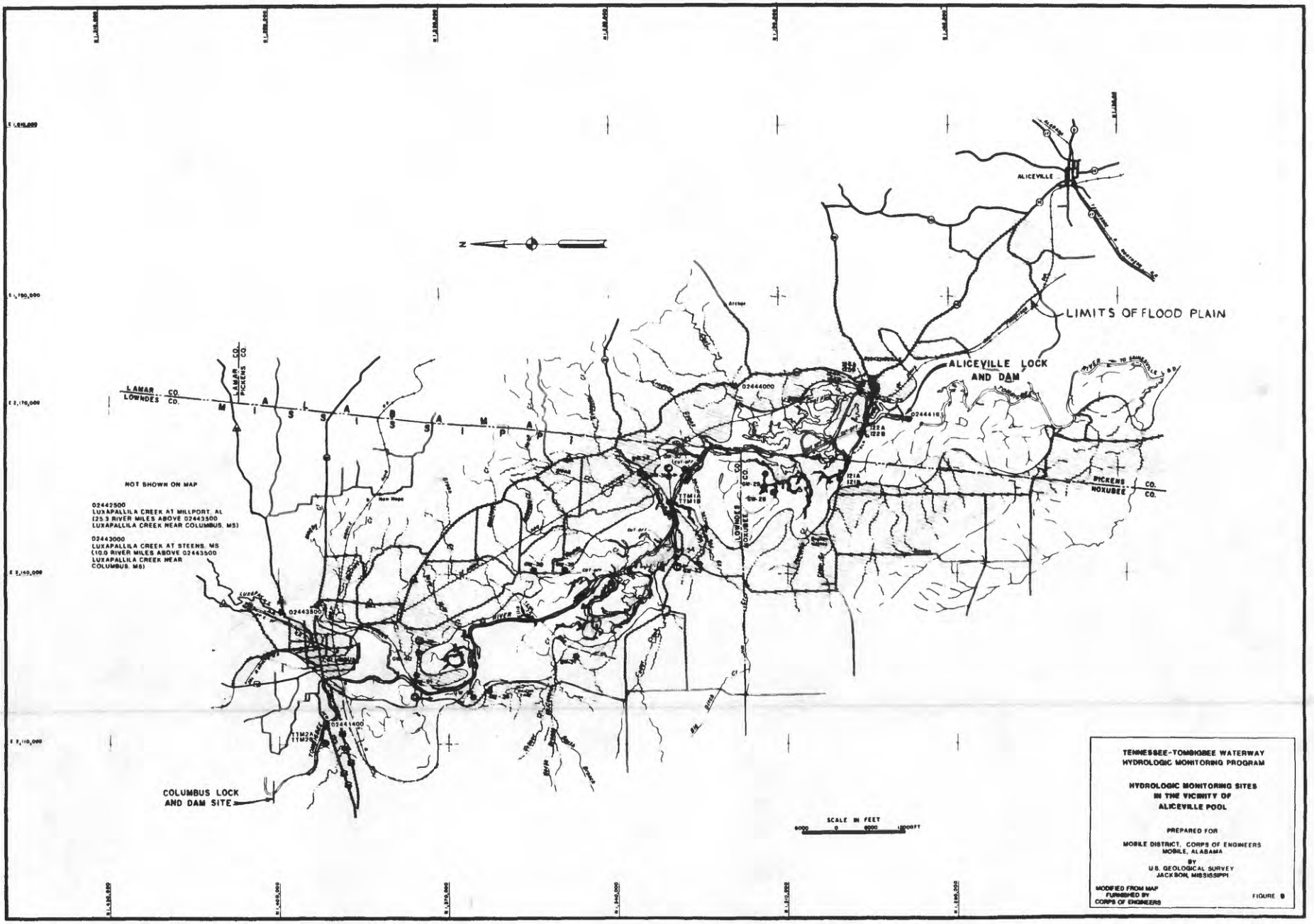
FIGURE 8


ALICEVILLE
LIMITS OF FLOOD PLAIN
ALICEVILLE LOCK AND DAM
LAMAR CO.
LOWNDES CO.
LAMAR CO.
PICKENS CO.
MISSISSIPPI
PICKENS CO.
NOXUBEE CO.
LOWNDES CO.
NOXUBEE CO.
NOT SHOWN ON MAP
02442500
LUXAPALLILA CREEK AT MILLPORT, AL
(25.3 RIVER MILES ABOVE 02443500
LUXAPALLILA CREEK NEAR COLUMBUS, MS)
02443000
LUXAPALLILA CREEK AT STEENS, MS
(10.0 RIVER MILES ABOVE 02443500
LUXAPALLILA CREEK NEAR
COLUMBUS, MS)
02444000
02444160
02443800
02441400
COLUMBUS LOCK AND DAM SITE
SCALE IN FEET
6000 0 6000 12000FT
TENNESSEE-TOMBIGBEE WATERWAY
HYDROLOGIC MONITORING PROGRAM
HYDROLOGIC MONITORING SITES
IN THE VICINITY OF
ALICEVILLE POOL
PREPARED FOR
MOBILE DISTRICT, CORPS OF ENGINEERS
MOBILE, ALABAMA
BY
U.S. GEOLOGICAL SURVEY
JACKSON, MISSISSIPPI
MODIFIED FROM MAP
FURNISHED BY
CORPS OF ENGINEERS
FIGURE 9

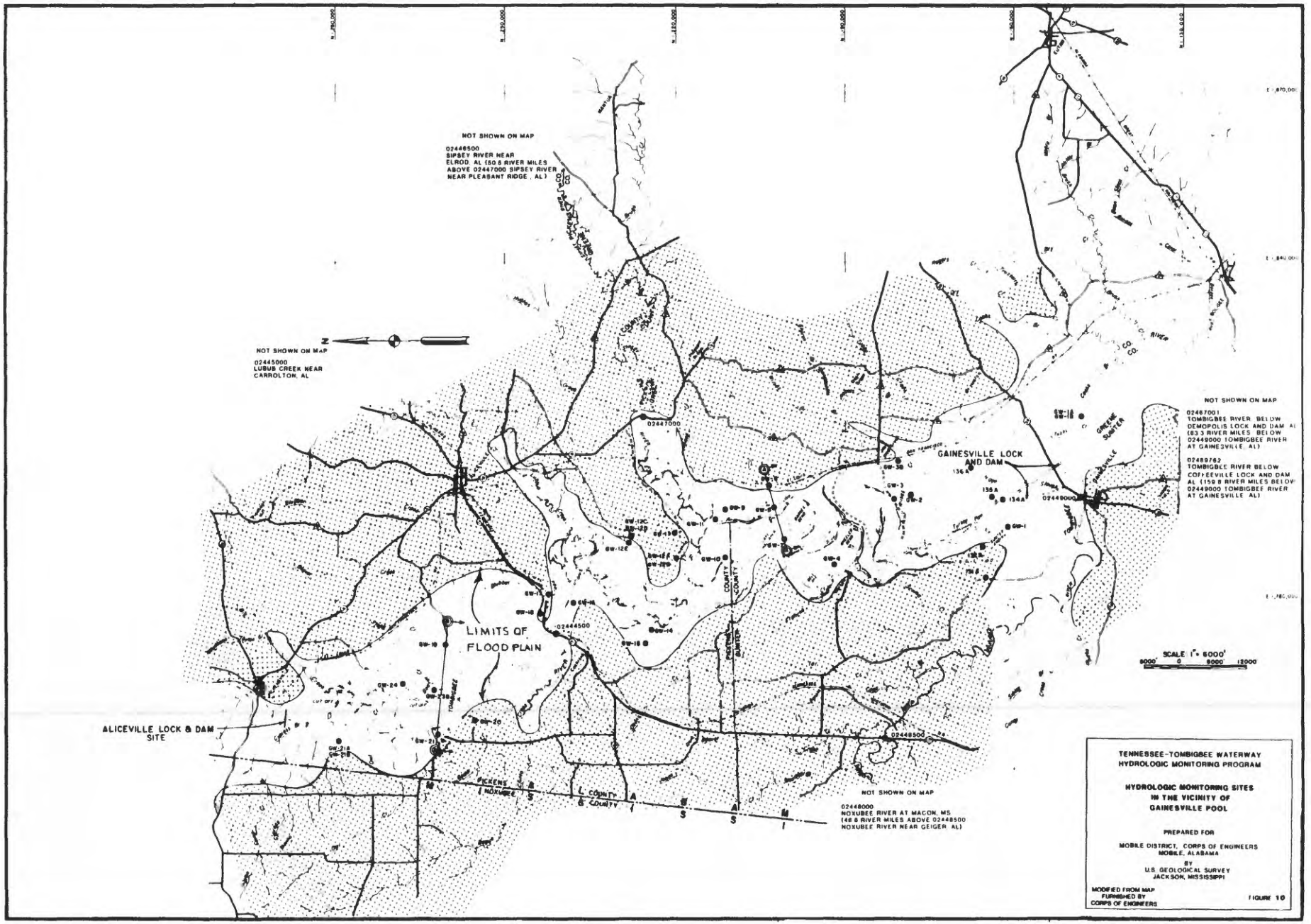

NOT SHOWN ON MAP
02446500
SIPSEY RIVER NEAR
ELROD, AL (50.8 RIVER MILES
ABOVE 02447000 SIPSEY RIVER
NEAR PLEASANT RIDGE, AL)
NOT SHOWN ON MAP
02445000
LUBUB CREEK NEAR
CARROLTON, AL
02447000
GAINESVILLE LOCK
AND DAM
02449000
02444500
LIMITS OF
FLOOD PLAIN
ALICEVILLE LOCK & DAM
SITE
PICKENS
COUNTY
GREENE
COUNTY
TOMBIGBEE
RIVER
NOT SHOWN ON MAP
02467001
TOMBIGBEE RIVER BELOW
DEMOPOLIS LOCK AND DAM AL
(83.3 RIVER MILES BELOW
02449000 TOMBIGBEE RIVER
AT GAINESVILLE, AL)
02469762
TOMBIGBEE RIVER BELOW
COFFEEVILLE LOCK AND DAM
AL (159.8 RIVER MILES BELOW
02449000 TOMBIGBEE RIVER
AT GAINESVILLE AL)
NOT SHOWN ON MAP
02448000
NOXUBEE RIVER AT MACON, MS.
(48.8 RIVER MILES ABOVE 02448500
NOXUBEE RIVER NEAR GEIGER, AL)
SCALE 1" = 6000'
6000 0 6000 12000
TENNESSEE-TOMBIGBEE WATERWAY
HYDROLOGIC MONITORING PROGRAM
HYDROLOGIC MONITORING SITES
IN THE VICINITY OF
GAINESVILLE POOL
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FIGURE 10

Ground-Water Levels

Under natural conditions water levels in wells fluctuate seasonally and reflect recharge to and discharge from aquifers. Natural water-level fluctuations of less than 1 foot (0.3 meter) to more than 10 feet (3 meters) per year have been observed in the aquifers in the study area. The alluvial and terrace aquifers generally showed larger fluctuations than did aquifers in the Eutaw, McShan, or Gordo Formations, or in the Mississippian or undifferentiated Palezoic aquifers.

Hydrographs of the wells in the network showing water-level variations from the time each well was constructed through September 1984 are presented in Appendix A.

During the reporting period, 126 observation wells in the network were measured quarterly. Wells 33A, 33B, 33C, and 87A were discontinued due to inaccessibility. Thirty-two of the observation wells were equipped with recorders to provide refined definition of short-term hydrologic events. The water levels in these wells were recorded at one-hour intervals. Records from these 32 recorders are on file at the Jackson, MS, or Tuscaloosa, AL, offices of the U.S. Geological Survey. Recorders have been moved systematically during the construction phase to ensure monitoring of strategic wells near areas of active construction. Wells that show greater than normal water-level variations are normally monitored until any abnormal conditions stabilize or are accounted for.

Ground-Water Quality

A total of 21 wells in the network were sampled during the reporting period by U.S. Geological Survey personnel. Additional sites selected by U.S. Army, Corps of Engineers personnel were also sampled. The results of these analyses are found in Appendix A.

Surface Water

Surface-Water Network

The surface-water network consists of 18 sites located in the area of the Tennessee-Tombigbee Waterway. The purpose of the network is to monitor the stream stage, discharge, and water quality. Descriptions of sites in the network are tabulated in Appendix B.

Surface-Water Stage and Discharge

Surface-water stage and discharge data were collected at numerous sites in the area of the Tennessee-Tombigbee Waterway, including most sites at which water-quality data were collected. The collection of stage and discharge data at most of these sites is not funded by this project but is funded under cooperative programs with various State and

Federal agencies. The data collected at sites not included in this project are available in the offices of the U.S. Geological Survey. Data collected during this reporting period that are funded by this project include: stage data for 02430100 Mackeys Creek near Moores Mill, MS, and 03592824 Tenn-Tom Waterway at Cross Roads, MS; and stage and discharge data for 03592718 Little Yellow Creek East near Burnsville, MS (Appendix B).

Surface-Water Quality

Water-quality data were collected at 17 surface-water sites in the network at various frequencies during the reporting period as a part of this and other studies. One new site, 02430100 Mackeys Creek near Moores Mill, MS, was added at the beginning of this reporting period.

The results of analyses of water samples at 02441000 Tibbee Creek near Tibbee, Ms, are not necessarily representative of the stream conditions upstream of the sampling site. The normal pool elevation of 163.00 feet msl for Columbus Lake creates a stage of about 8.8 ft and causes variable backwater conditions based on the actual pool elevation. The backwater condition results in a large cross-section area and extremely low velocities and measurements of stream discharge for water samples collected during backwater conditions are not practical.

Water-quality monitors were operated at 02430100 Mackeys Creek near Moores Mills, MS and 03592824 Tenn-Tom Waterway at Cross Roads, MS. The parameters monitored include: specific conductance, pH, water temperature, turbidity (03592824 Tenn-Tom Waterway at Cross Roads, MS), and dissolved oxygen. These parameters were recorded at one-hour intervals. A pumping suspended-sediment sampler was also operated at 03592824 Tenn-Tom Waterway at Cross Roads, MS, and was automatically activated at 12-hour intervals.

The results of these analyses and daily summaries of the water-quality values recorded by the monitors during the reporting period are presented in Appendix B.

Samples for suspended sediment analysis and particle-size distribution of the suspended sediment and surface bed material were collected at 02436500 Town Creek near Nettleton, MS, and 02448000 Noxubee River at Macon, MS. Specific conductance and temperature were measured daily at two sites on the lower Tombigbee River in Alabama: 02449000 Tombigbee River at Gainesville, AL, and 02469762 Tombigbee River below Coffeeville Lock and Dam, AL. These measurements as well as results of analyses of monthly water-quality samples collected at 02469762 Tombigbee River below Coffeeville Lock and Dam, AL, are also included in Appendix B. The collection of data at these sites was not funded under this program.

Disposal Area

Disposal Area Network

The disposal area network consists of a pair of wells in each of three disposal areas and a rain gage in each of three areas. One well in each pair is open in the cast overburden material and the other is open in the natural material below the cast overburden. The purpose of the network is to monitor the water level in the cast overburden material, the quality of the water passing through the material, and rainfall on the areas. Descriptions of wells and rain-gage sites in the network are tabulated in Appendix C.

Disposal Area Water Levels

Water levels in the disposal area wells were measured quarterly during the reporting period. Two of the wells were dry. The water levels of the four wells that were not dry are tabulated in Appendix C along with the water-quality analyses.

Disposal Area Water Quality

A total of four wells in the network were sampled quarterly during the reporting period by U.S. Geological Survey personnel. In order to assure that the samples were representative, the wells were bailed to near the bottom, allowed to recover, and then sampled. The results of analyses of these samples are found in Appendix C.

Disposal Area Rainfall

Three tipping-bucket rain gages with recorders were operated during the reporting period. Rainfall amounts were recorded at 15-minute intervals at each site. Daily summaries of rainfall measured at the rain gages during the reporting period are presented in Appendix C.

QUALITY ASSURANCE

Ground-Water Levels

The collection, analysis, and computation of ground-water water-level records are conducted in accordance with techniques and procedures established by the U.S. Geological Survey and are within the guidelines recommended in the "National Handbook of Recommended Methods of Water-Data Acquisition" (Office of Water Data Coordination, 1977).

Surface-Water Stage and Discharge

The collection, analysis, and computation of surface-water stage and discharge records are conducted in accordance with procedures described in a series of "Techniques of Water Resources Investigations of the U.S. Geological Survey" (TWRI). The field activities are presented in three chapters entitled "General Procedures for Gaging Streams" (Carter and Davidian, 1968), "Stage Measurements at Gaging Stations" (Buchanan and Somers, 1968a), and "Discharge Measurements at Gaging Stations" (Buchanan and Somers, 1968b), and more recently in Water Supply Paper 2175 "Measurement and Computation of Streamflow: Volume 1, Measurement of Stage and Discharge" (Rantz and others, 1982). Daily discharge is computed in conformance with procedures described in Water Supply Paper 2175, "Measurement and Computation of Streamflow: Volume 2, Computation of Discharge" (Rantz and others, 1982). All procedures are within the guidelines recommended in the "National Handbook of Recommended Methods of Water-Data Acquisition" (Office of Water Data Coordination, 1977).

Water Quality

The procedures used by the U.S. Geological Survey in the collection and analysis of samples of water and bottom materials are in conformance with the methods of laboratory analysis and sample preservation and handling described in TWRI "Methods for Determination of Inorganic Substances in Water and Fluvial Sediments" (Skougstad and others, 1979). Water samples collected as a part of this investigation were analyzed in one of the National Water-Quality Laboratories of the Water Resources Division, U.S. Geological Survey. These laboratories have an effective quality control program which includes the use of duplicate samples and standard reference water samples. TWRI "Quality Assurance Practices for the Chemical and Biological Analysis of Water and Fluvial Sediments," (Friedman and Erdman, 1982) describes quality control techniques, quality assurance practices, and statistical techniques used by the Central Laboratory System.

The methods used in the collection and analyses of bacteriological samples are given in TWRI "Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples" (Greeson and others, 1977). All bacteriological analyses were performed in the field within a few hours after the samples were collected.

The methods used in the collection and analyses of suspended-sediment samples are given in TWRI "Methods for Measurement of Fluvial Sediment" (Guy and Norman, 1970) and "Laboratory Theory and Methods for Sediment Analysis" (Guy, 1969).

The procedures used for water-quality field data collection are in accordance with techniques established by the U.S. Geological Survey and are within the guidelines recommended in the "National Handbook of Recommended Methods of Water-Data Acquisition" (Office of Water Data Coordination, 1977).

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APPENDIX A

GROUND-WATER DATA

APPENDIX A

GROUND-WATER DATA

DESCRIPTIONS OF WELLS

DESCRIPTIONS OF WELLS

USGS LOCAL WELL NO.	USCE WELL NO.	OWNER	GEOLOGIC UNIT CODE*	1984 RECORDER**	1984 ANALYSIS§	LOCATION SECTION TOWNSHIP RANGE	YEAR DRILLED	ALTITUDE ABOVE NGVD (FT)	WELL DEPTH (FT)	CASING DIAM. (IN)	OPENING LENGTH (FT)	PUMPING TEST (GPM)	WATER USE¶	USGS ELEC. LOG NO.	PRIOR ANALYSIS§
						GROUND-WATER NETWORK									
						LINE 10									
TISHOMINGO COUNTY, MS															
D050	11C	USCE	211GORD			33 03S 09E	1975	505	404	6	10		U	075	
D051	11D	USCE	211EUTW			33 03S 09E	1976	505	210	6	10		U		Q
D040	12A	USCE	211GORD			34 03S 09E	1972	485	192	8	30		U	054	Q
D041	12B	USCE	211EUTWR		Q	34 03S 09E	1972	485	150	8	50	60	U		Q
D042	12C	USCE	211EUTWR	W	Q	34 03S 04E	1972	485	88	6	10	58	U		Q
D037	14A	USCE	211GORD			36 03S 09E	1972	545	184	4	10		U	056	Q
D043	14B	USCE	211EUTWR			36 03S 09E	1972	545	154	4	10		U		Q
D044	14C	USCE	211EUTWR			36 03S 09E	1972	545	106	4	6		U		Q
E014	15A	USCE	211GORD			31 03S 10E	1972	540	340	2	20	20	U	050	Q
E015	15B	USCE	211GORD			31 03S 10E	1972	540	204	4	20	3	U		Q
E016	15C	USCE	211EUTWR	W		31 03S 10E	1972	540	130	4	10	3	U		Q
						LINE 20									
TISHOMINGO COUNTY, MS															
G004	21A	USCE	211GORD			26 04S 09E	1971	585	278	4	10	3	U	022	Q
G005	21B	USCE	211EUTWL			36 04S 09E	1971	585	235	4	10	11	U		
G038	22A	USCE	211GORD			25 04S 09E	1972	625	360	4	40		U	049	Q
G040	22B	USCE	211EUTWR		Q	25 04S 09E	1972	625	240	4	10		U		Q
G015	25A	USCE	211GORD		Q	20 04S 10E	1971	610	235	4	5		U	025	Q
G016	25B	USCE	211EUTWR			20 04S 10E	1971	610	200	4	10	30	U		Q
G017	26A	USCE	211GORD			20 04S 10E	1971	565	250	2	40		U	026	
G018	26B	USCE	211EUTWR			20 04S 10E	1971	565	127	4	5		U		Q
G019	26C	USCE	211EUTWR			20 04S 10E	1971	565	72	2	5	5	U		

See footnotes at end of table.

USGS LOCAL WELL NO.	USCE WELL NO.	OWNER	GEOLOGIC UNIT CODE*	1984 RE-CORD-ER**	1984 ANAL-YSIS§	LOCATION SECTION TOWNSHIP RANGE	YEAR DRIL-LED	ALTI-TUDE ABOVE NGVD (FT)	WELL DEPTH (FT)	CAS-ING DIAM. (IN)	OPEN-ING LENGTH (FT)	PUMP-ING TEST (GPM)	WATER USE¶	USGS ELEC. LOG NO.	PRIOR ANAL-YSIS§
						LINE 30									
TISHOMINGO COUNTY, MS															
J018	31A	USCE	211GORD		Q	01 05S 09E	1972	473	178	4	20	1	U	033	Q
J019	31B	USCE	211EUTWR	W	Q	01 05S 09E	1972	473	74	4	10		U		Q
J020	32A	USCE	211GORD			06 05S 10E	1972	530	240	4	10	10	U	032	Q
J021	32B	USCE	211EUTWR			06 05S 10E	1972	530	112	4	10	8	U		Q
J008	33A	USCE	211EUTWL			06 05S 09E	1971	515	172	4	10		U	027	
J016	33B	USCE	211EUTWR			06 05S 09E	1971	515	90	4	5		U		Q
J017	33C	USCE	211GORD			06 05S 09E	1971	515	212	2	20		U	034	
J013	34A	USCE	211GORD	W		05 05S 10E	1971	560	266	4	10	8	U		Q
J014	34B	USCE	211EUTWR	W	Q	05 05S 10E	1971	560	134	4	5	8	U		Q
G013	35A	USCE	211GORD			33 04S 10E	1971	600	300	4	40	6	U	047	Q
G014	35B	USCE	211EUTWR			33 04S 10E	1971	600	203	4	5	5	U		Q
J010	J10	Schwabe	211GORD			08 05S 10E	1968	420	181	10	12	20	U	021	
						LINE 40									
PRENTISS COUNTY, MS															
M021	41A	USCE	211GORD	W		28 06S 09E	1972	480	226	4	20		U	058	Q
M022	41B	USCE	211MCSN	W		28 06S 09E	1972	480	176	4	10	16	U		Q
M026	42A	USCE	211EUTW			28 06S 09E	1975	420	69	4	10		U	071	Q
M027	42B	USCE	211EUTW			28 06S 09E	1975	420	49	4	10		U		Q
M023	43A	USCE	211GORD			27 06S 09E	1972	460	170	4	20		U	059	Q
M018	43B	USCE	211MCSN			27 06S 09E	1972	460	120	4	10		U	062	Q
M017	43C	USCE	211EUTWR	W		27 06S 09E	1972	445	90	4	5		U	061	Q
M025	43D	USCE	211EUTWR			27 06S 09E	1975	460	118	4	10		U	070	Q
TISHOMINGO COUNTY, MS															
L032	45B	USCE	211MCSN			25 06S 09E	1972	485	76	4	10		U		

See footnotes at end of table.

USGS LOCAL WELL NO.	USCE WELL NO.	OWNER	GEOLOGIC UNIT CODE*	1984 RE-CORD-ER**	1984 ANAL-YSIS§	LOCATION SECTION TOWNSHIP RANGE	YEAR DRIL-LED	ALTI-TUDE ABOVE NGVD (FT)	WELL DEPTH (FT)	CAS-ING DIAM. (IN)	OPEN-ING LENGTH (FT)	PUMP-ING TEST (GPM)	WATER USE¶	USGS ELEC. LOG NO.	PRIOR ANAL-YSIS§
						LINE 50									
PRENTISS COUNTY, MS															
M020	51A	USCE	211GORD		Q	09 07S 09E	1972	356	64	4	5	6	U	063	Q
M019	52A	USCE	211GORD			09 07S 09E	1972	324	40	4	5	20	U	064	Q
M016	53A	USCE	211GORD			10 07S 09E	1972	332	35	4	5	3	U	060	Q
M028	GW123A	USCE	111ALVM			16 07S 09E	1980	316	23	2	5		U		Q
TISHOMINGO COUNTY, MS															
L029	54A	USCE	211GORD	W		11 07S 09E	1972	332	27	4	5		U	058	
L033	54B	USCE	111ALVM		Q	11 07S 09E	1972	332	12	4	5		U		Q
L034	54C	USCE	111ALVM			11 07S 09E	1972	333	13	2	5		U		
L030	55A	USCE	211GORD	W		11 07S 09E	1972	380	50	4	5	18	U	059	Q
						LINE 60									
ITAWAMBA COUNTY, MS															
D035	61A	USCE	211GORD			02 08S 08E	1975	300	214	4	10		U	059	Q
D034	61B	USCE	211EUTWR			21 08S 08E	1975	300	74	4	10		U	057	Q
E005	65A	USCE	211GORD	W		18 08S 09E	1972	325	130	4	20	7	U	044	Q
G070	GW104C	USCE	111ALVM			26 09S 08E	1980	260	24	2	5		U	058	Q
G065	67A	USCE	211GORD		Q	27 09S 08E	1975	270	179	4	10		U		Q
G066	67B	USCE	211EUTW		Q	27 09S 08E	1975	270	71	4	10		U		Q
G068	106A	USCE	111ALVM			25 09S 08E	1978	290	10	2	5		U		
G067	106B	USCE	211GORD	W		25 09S 08E	1978	284	175	6	10		U	071	
						LINE 70									
ITAWAMBA COUNTY, MS															
K039	71A	USCE	211GORD			24 10S 08E	1972	273	170	4	20	7	U	048	Q
L017	72A	USCE	111ALVM			18 10S 09E	1972	249	21	4	5	7	U		Q
L014	74A	USCE	211GORD	W	Q	17 10S 09E	1972	270	150	4	20	200	U	047	Q
L019	74B	Benson	112TRCS		Q	17 10S 09E	1948	270	16	24			H		Q
L016	75A	USCE	211GORD			17 10S 09E	1972	300	144	4	20	195	U	049	Q

See footnotes at end of table.

DESCRIPTIONS OF WELLS--Continued

USGS LOCAL WELL NO.	USCE WELL NO.	OWNER	GEOLOGIC UNIT CODE*	1984 RE-CORD-ER**	1984 ANAL-YSIS§	LOCATION SECTION TOWNSHIP RANGE	YEAR DRIL-LED	ALTI-TUDE ABOVE NGVD (FT)	WELL DEPTH (FT)	CAS-ING DIAM. (IN)	OPEN-ING LENGTH (FT)	PUMP-ING TEST (GPM)	WATER USE¶	USGS ELEC. LOG NO.	PRIOR ANAL-YSIS§
						LINE 80									
ITAWAMBA COUNTY, MS															
N028	81A	USCE	211GORD			26 11S 08E	1972	246	180	4	10	8	U	048	Q
MONROE COUNTY, MS															
C051	84A	USCE	211GORD			36 11S 08E	1972	234	170	4	20	30	U	076	Q
C052	84B	USCE	211GORD			36 11S 08E	1972	234	110	4	10	10	U	075	Q
C053	84C	USCE	111ALVM			36 11S 08E	1972	234	27	4	20	10	U		Q
C054	85A	USCE	111ALVM			36 11S 08E	1972	235	21	4	10	18	U	074	Q
C056	87A	USCE	111ALVM			36 11S 08E	1972	236	13	4	5	10	U	072	Q
C057	89A	USCE	211GORD	W		01 12S 08E	1972	245	166	4	20	20	U	071	Q
C058	89B	USCE	211MCSN			01 12S 08E	1972	245	45	4	5	2	U	076	Q
						LINE 90									
MONROE COUNTY, MS															
C066	94A	USCE	111ALVM		Q	20 12S 08E	1972	217	20	4	10		U		Q
C059	95A	USCE	211GORD	W	Q	21 12S 08E	1972	220	166	4	10	4	U	078	Q
C067	95B	USCE	111ALVM	W		21 12S 08E	1972	220	20	4	10	7	U		Q
C060	96A	USCE	211GORD			20 12S 18W	1972	253	164	4	10		U	080	Q
C070	96B	Irma Tubbs	110TRCS	W		20 12S 18W	1972	257	16	24			U		Q
C080	TTM6A	USCE	211TBGB			33 13S 19W	1975	210	65	4	10		U	104	Q
C081	TTM6B	USCE	110ALVM			33 13S 19W	1975	210	38	6	10		U		Q
H017	TTM5A	USCE	211EUTW		Q	22 13S 19W	1975	200	90	4	10		U	103	Q
H018	TTM5B	USCE	111ALVM		Q	22 13S 19W	1975	200	26	6	10		U		Q

See footnotes at end of table.

USGS LOCAL WELL NO.	USCE WELL NO.	OWNER	GEOLOGIC UNIT CODE*	1984 RE-CORD-ER**	1984 ANAL-YSIS§	LOCATION SECTION TOWNSHIP RANGE	YEAR DRIL-LED	ALTI-TUDE ABOVE NGVD (FT)	WELL DEPTH (FT)	CAS-ING DIAM. (IN)	OPEN-ING LENGTH (FT)	PUMP-ING TEST (GPM)	WATER USE¶	USGS ELEC. LOG NO.	PRIOR ANAL-YSIS§
						LINE 100									
MONROE COUNTY, MS															
L063	101A	USCE	211EUTW			15 14S 07E	1972	202	90	4	10		U	084	Q
L069	101B	USCE	110TRCS			15 14S 07E	1972	202	20	4	5		U		Q
L064	102A	USCE	211EUTW			23 14S 07E	1972	191	50	4	10		U	085	Q
L068	102B	USCE	111ALVM			23 14S 07E	1972	191	30	4	5		U		
L065	104A	USCE	211EUTW			10 14S 19W	1972	194	55	4	5		U	086	Q
L067	104B	USCE	111ALVM			10 14S 19W	1972	194	24	4	5		U		Q
L062	105A	USCE	211EUTW	W		19 14S 19W	1972	210	64	4	10		U	087	Q
L077	AB10	USCE	211EUTW			26 14S 07E	1976	200	145	4	10		U		
L075	AB11	USCE	211MCSN	W		26 14S 07E	1976	200	224	4	20		U	105	Q
L078	AB12	USCE	211EUTW	W		26 14S 07E	1976	200	90	4	10		U		Q
L073	TTM4A	USCE	211EUTW		Q	36 14S 07E	1975	200	177	4	10		U	102	Q
L074	TTM4B	USCE	111ALVM		Q	36 14S 07E	1975	200	26	6	10		U		Q
LOWNDES COUNTY, MS															
A033	TTM3A	USCE	211EUTW			36 16S 19W	1975	182	78	4	10		U	062	Q
A034	TTM3B	USCE	111ALVM	W		36 16S 19W	1975	182	31	6	10		U		Q
						LINE 110									
CLAY COUNTY, MS															
J097	111A	USCE	211EUTW			26 17S 07E	1972	180	110	4	10		U	040	Q
J098	112A	USCE	211EUTW	W		30 17S 08E	1972	190	58	4	10		U	039	Q
LOWNDES COUNTY, MS															
C100	114B	USCE	111TRCS			27 17S 19W	1972	170	47	4	10		U	050	Q
C101	114C	USCE	211EUTW			24 17S 19W	1972	170	92	4	10		U		Q
C099	115A	USCE	211EUTW			19 17S 18W	1972	172	84	4	10		U	051	Q
C102	115B	USCE	110TRCS			19 17S 18W	1972	172	24	4	5		U		Q
F073	TTM2A	USCE	211EUTW		Q	25 19N 17E	1975	160	162	4	10		U	060	Q
F074	TTM2B	USCE	111ALVM		Q	25 19N 17E	1975	160	19	6	10		U		Q
Q012	TTM1A	USCE	211EUTW			17 20S 17W	1975	150	141	4	10		U	061	Q
Q013	TTM1B	USCE	111ALVM			17 20S 17W	1975	150	24	6	10		U		

See footnotes at end of table.

DESCRIPTIONS OF WELLS--Continued

USGS LOCAL WELL NO.	USCE WELL NO.	OWNER	GEOLOGIC UNIT CODE*	1984 RE-CORD-ER**	1984 ANAL-YSIS§	LOCATION SECTION TOWNSHIP RANGE	YEAR DRIL-LED	ALTI-TUDE ABOVE NGVD (FT)	WELL DEPTH (FT)	CAS-ING DIAM. (IN)	OPEN-ING LENGTH (FT)	PUMP-ING TEST (GPM)	WATER USE¶	USGS ELEC. LOG NO.	PRIOR ANAL-YSIS§
						LINE 120									
NOXUBEE COUNTY, MS															
E025	121A	USCE	211EUTWR			14 16N 19E	1972	140	150	4	47		U	026	Q
E026	121B	USCE	111ALVM	W		14 16N 19E	1972	140	28	4	10	9	U		Q
PICKENS COUNTY, AL															
P019	122A	USCE	211EUTW	W		15 21S 17W	1972	140	135	2	34	9	U	P19	Q
P020	122B	USCE	111ALVM	W		15 21S 17W	1972	140	30	4	5	9	U		Q
P021	124A	USCE	211EUTW			13 21S 17W	1972	160	195	4	10	30	U	P21	Q
P022	124B	USCE	211EUTW			13 21S 17W	1972	160	66	4	5		U	P22	Q
P023	125A	USCE	211EUTW			13 21S 17W	1972	222	230	4	10	50	U	P23	Q
P024	125B	USCE	211EUTW			13 21S 17W	1972	222	180	4	20	30	U	P24	F
P025	GW21A	USCE	211EUTW	W		34 21S 17W	1974	140	139	4	20		U	P25	Q
P026	GW21B	USCE	111ALVM	W		34 21S 17W	1974	140	14	4	5		U		Q
AA48	GW12A	USCE	211EUTW	W		34 24N 02W	1974	136	91	4	20		U	AA48	Q
AA49	GW12B	USCE	111ALVM			34 24N 02W	1974	136	18	4	10		U		Q
AA56	GW12C	USCE	112TRRC			22 24N 02W	1980	140	19	4	5		U		
AA55	GW12D	USCE	211EUTW			22 24N 02W	1980	140	125	4	20		U		
AA57	GW12E	USCE	111ALVM	W		22 24N 02W	1980	115	14	4	5		U		Q

See footnotes at end of table.

DESCRIPTIONS OF WELLS--Continued

USGS LOCAL WELL NO.	USCE WELL NO.	OWNER	GEOLOGIC UNIT CODE*	1984 RE-CORD-ER**	1984 ANAL-YSIS§	LOCATION SECTION TOWNSHIP RANGE	YEAR DRIL-LED	ALTI-TUDE ABOVE NGVD (FT)	WELL DEPTH (FT)	CAS-ING DIAM. (IN)	OPEN-ING LENGTH (FT)	PUMP-ING TEST (GPM)	WATER USE¶	USGS ELEC. LOG NO.	PRIOR ANAL-YSIS§
						LINE 130									
SUMTER COUNTY, AL															
F009	131A	USCE	211EUTW	W		21 22N 02W	1972	141	390	4	20	9	U	F09	Q
F010	132A	USCE	211EUTW	W		22 22N 02W	1972	160	370	4	20	9	U	F10	Q
GREEN COUNTY, AL															
0001	134A	USCE	111ALVM			25 22N 02W	1972	118	28	4	10	7	U		Q
0002	135A	USCE	111ALVM	W		24 22N 02W	1972	113	38	4	10	30	U		Q
P013	136A	USCE	111ALVM			19 22N 01W	1972	108	27	4	10		U		Q
SUMTER COUNTY, AL															
F011	GW1	USCE	111ALVM			27 22N 02W	1974	111	24	4	5		U		Q
GREEN COUNTY, AL															
W003	GW1A	USCE	211EUTW			04 21N 01W	1974	110	277	4	20		U	W03	Q
W004	GW1B	USCE	111ALVM			04 21N 01W	1974	110	32	4	10		U		Q

See footnotes at end of table.

USGS LOCAL WELL NO.	USCE WELL NO.	OWNER	GEOLOGIC UNIT CODE*	1984 RE-CORD-ER**	1984 ANAL-YSIS§	LOCATION SECTION TOWNSHIP RANGE	YEAR DRIL-LED	ALTI-TUDE ABOVE NGVD (FT)	WELL DEPTH (FT)	CAS-ING DIAM. (IN)	OPEN-ING LENGTH (FT)	PUMP-ING TEST (GPM)	WATER USE¶	USGS ELEC. LOG NO.	PRIOR ANAL-YSIS§
WELLS SAMPLED FOR CHEMICAL ANALYSES BUT NOT IN THE GROUND-WATER NETWORK															
PRENTISS COUNTY, MS															
B034		Thrasher W A	211EUTW		Q	23 04S 07E	1966	520	514	8	80	200	P	026	Q
F043		Booneville	211EUTW		Q	10 05S 07E	1964	500	495	12	80	500	P	019	Q
TISHOMINGO COUNTY, MS															
D052		Burnsville	300PLZC		Q	02 03S 09E	1977	520	280	10	50	350	P	132	
E006		Iuka	337FRPN		Q	13 03S 10E	1965	570	360	12	75	776	P		Q
F001		H M Biggs	211GORD		Q	19 03S 11E	1955	545	113	8	8		U		Q

* Geologic Unit Codes and Aquifer Names
- 110ALVM ALLUVIUM, QUATERNARY
- 110TRCS UNDIFFERENTIATED TERRACE DEPOSITS, QUATERNARY
- 111ALVM HOLOCENE ALLUVIUM, HOLOCENE
- 111TRCS UNDIFFERENTIATED TERRACE DEPOSITS, HOLOCENE
- 112TRCS UNDIFFERENTIATED TERRACE DEPOSITS, PLEISTOCENE
- 112TRRC TERRACE DEPOSITS, PLEISTOCENE
- 211EUTW EUTAW FORMATION, UPPER CRETACEOUS
- 211EUTWL LOWER EUTAW FORMATION, UPPER CRETACEOUS
- 211EUTWR EUTAW FORMATION (RESTRICTED), UPPER CRETACEOUS
- 211GORD GORDO FORMATION, UPPER CRETACEOUS
- 211MCSN MCSHAN FORMATION, UPPER CRETACEOUS
- 211TBGB TOMBIGBEE SAND MEMBER OF EUTAW FORMATION, UPPER CRETACEOUS
- 300PLZC PALEOZOIC ERATHEM, PALEOZOIC
- 330MSSP MISSISSIPPI SYSTEM, MISSISSIPPIAN
- 337FRPN FORT PAYNE CHERT, LOWER MISSISSIPPIAN

** W, water-level recorder operated during reporting period.

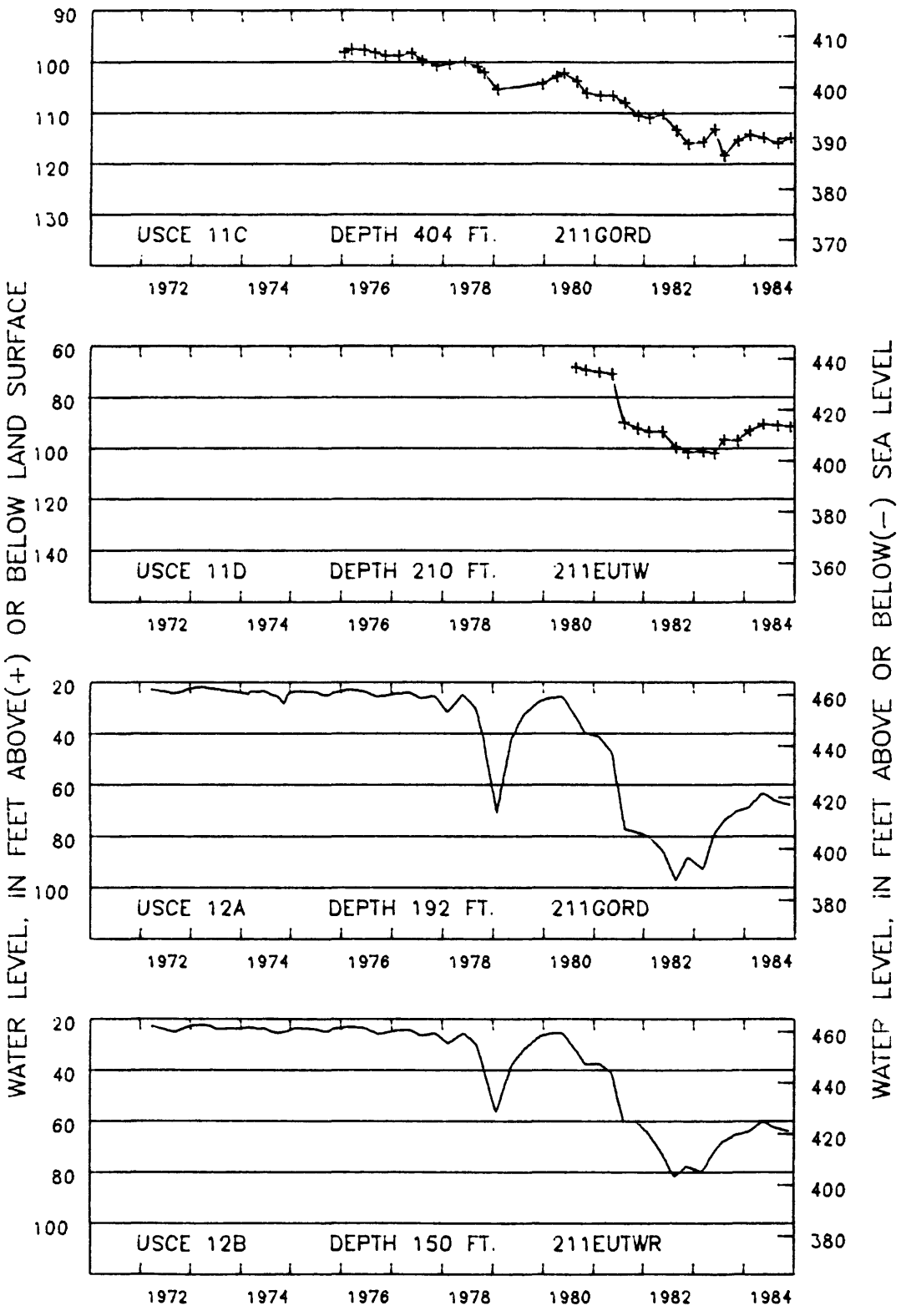
§ F, Field values only.
Q, chemical analysis.

¶ H, Domestic.
P, Public.
R, Recreation.
U, Unused.

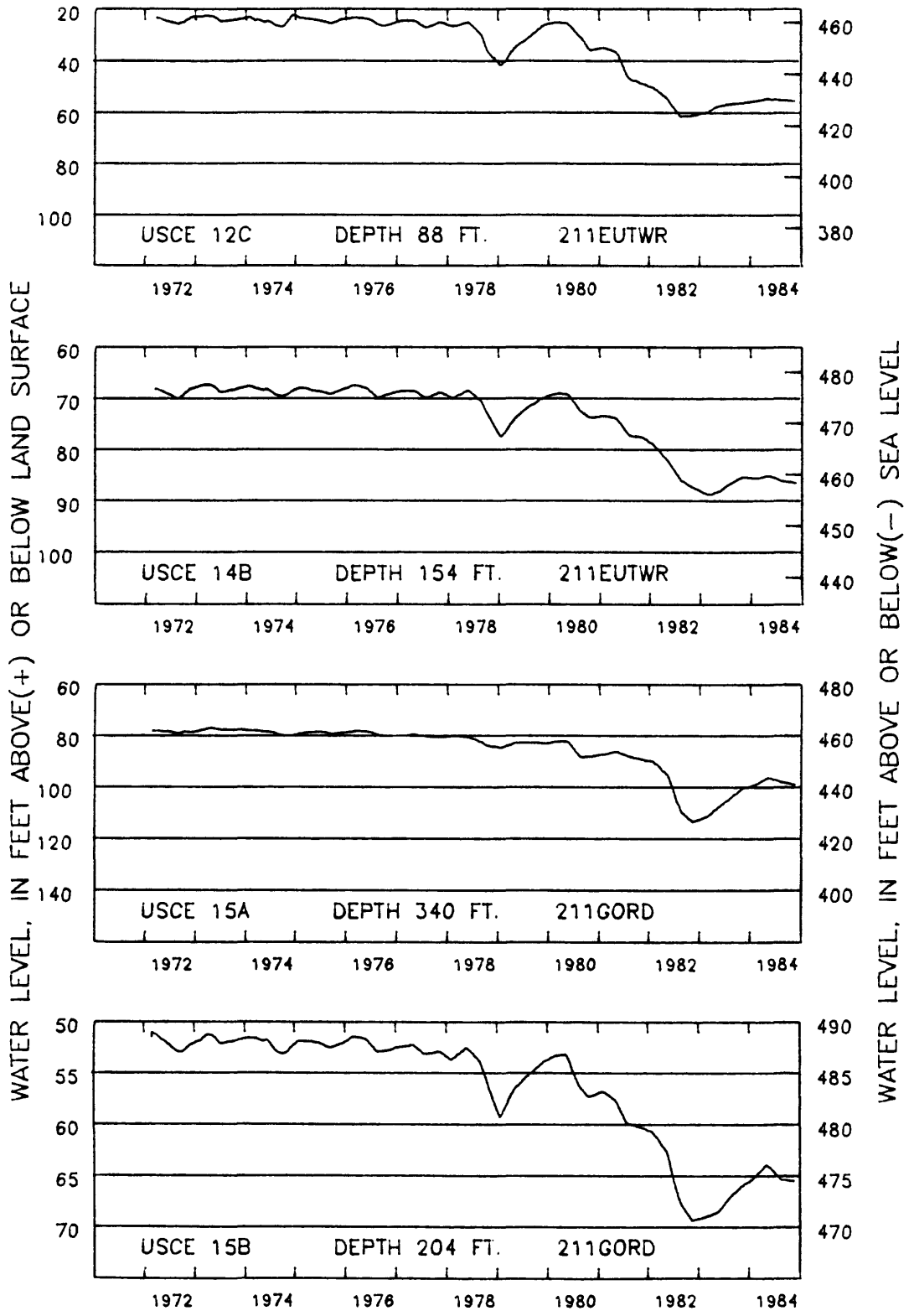
APPENDIX A

GROUND-WATER DATA

HYDROGRAPHS



HYDROGRAPHS OF TENNESSEE–TOMBIGBEE OBSERVATION WELLS



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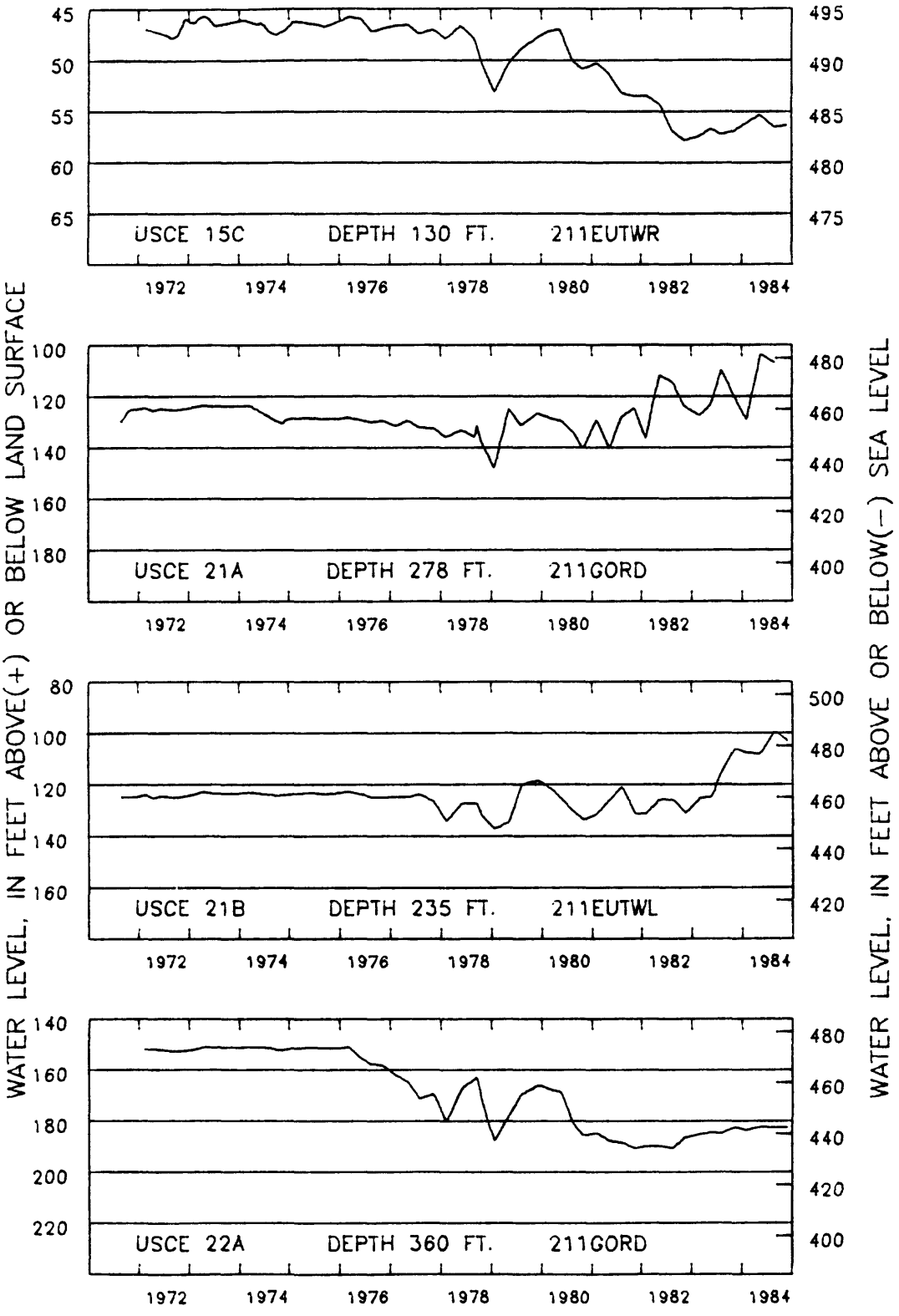

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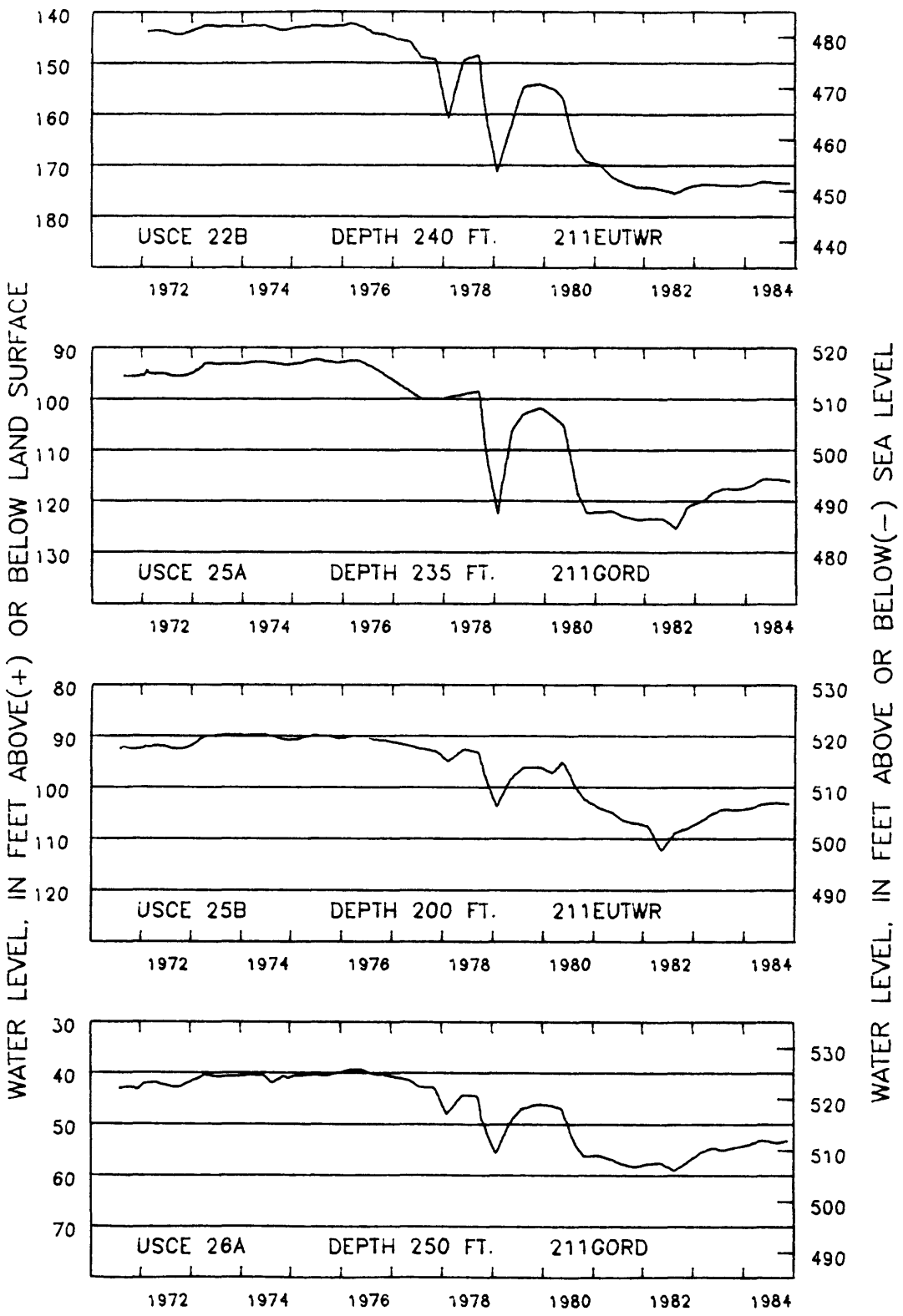

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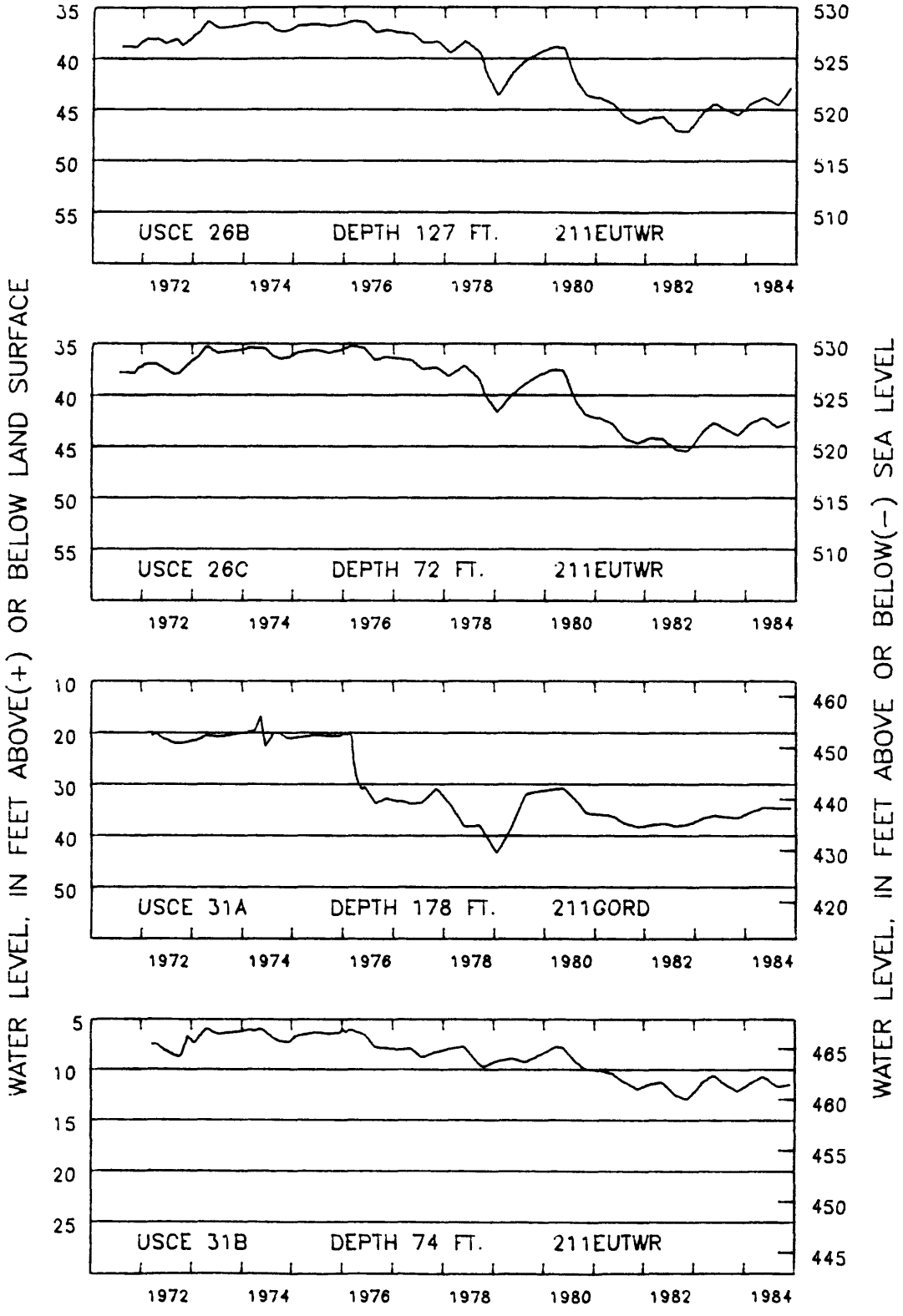

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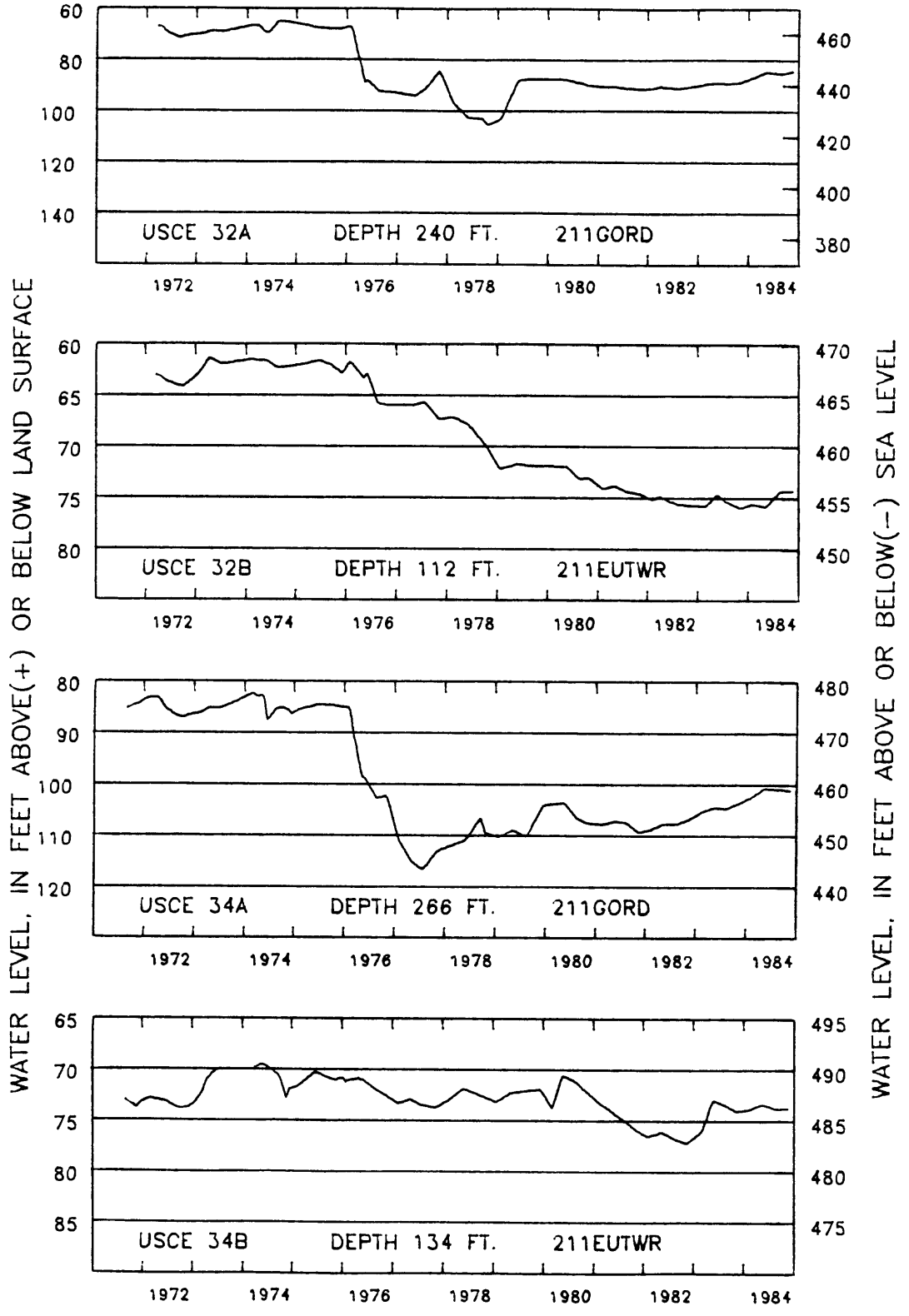
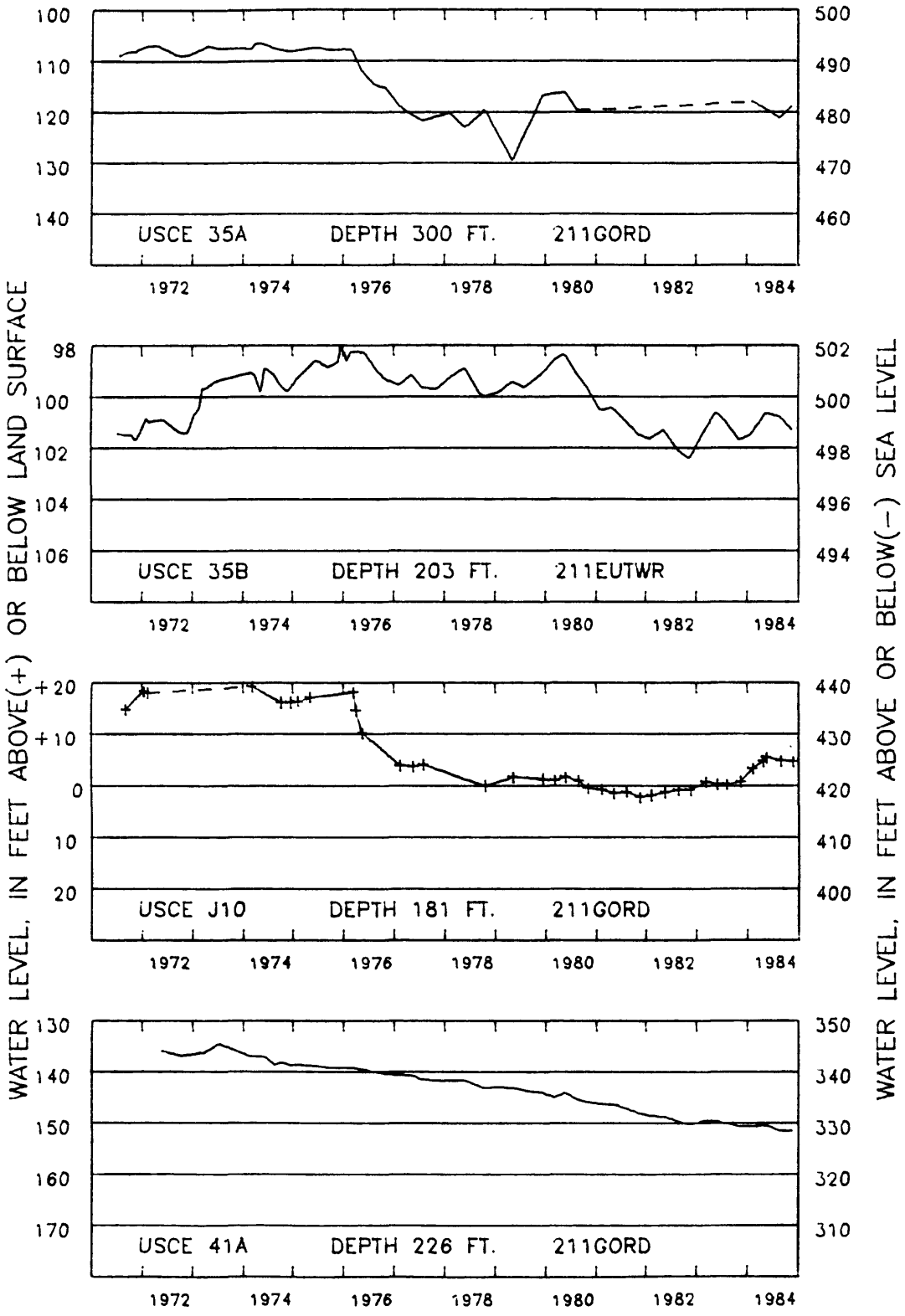


HYDROGRAPHS OF TENNESSEE-TOMBIGBEE OBSERVATION WELLS



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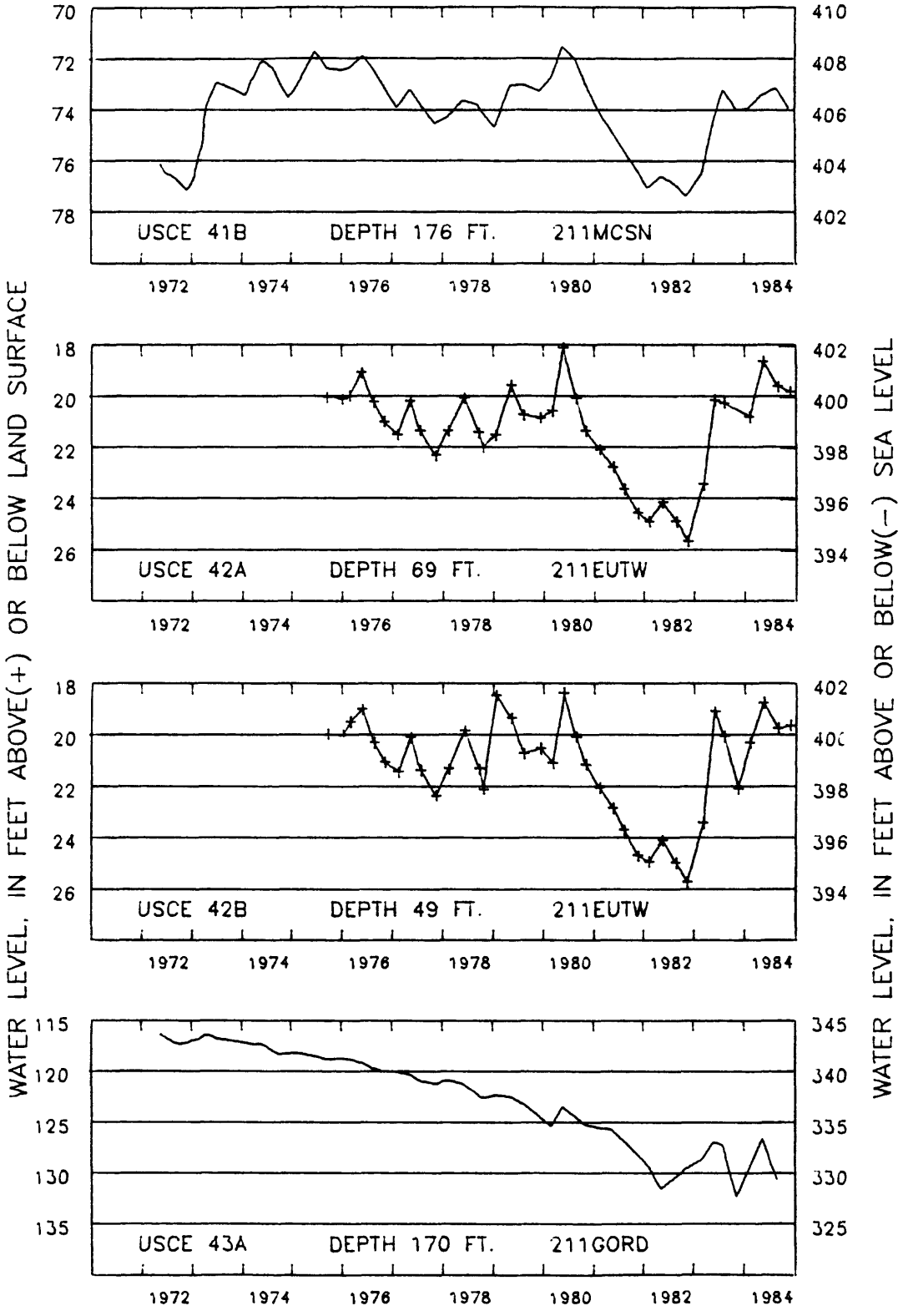

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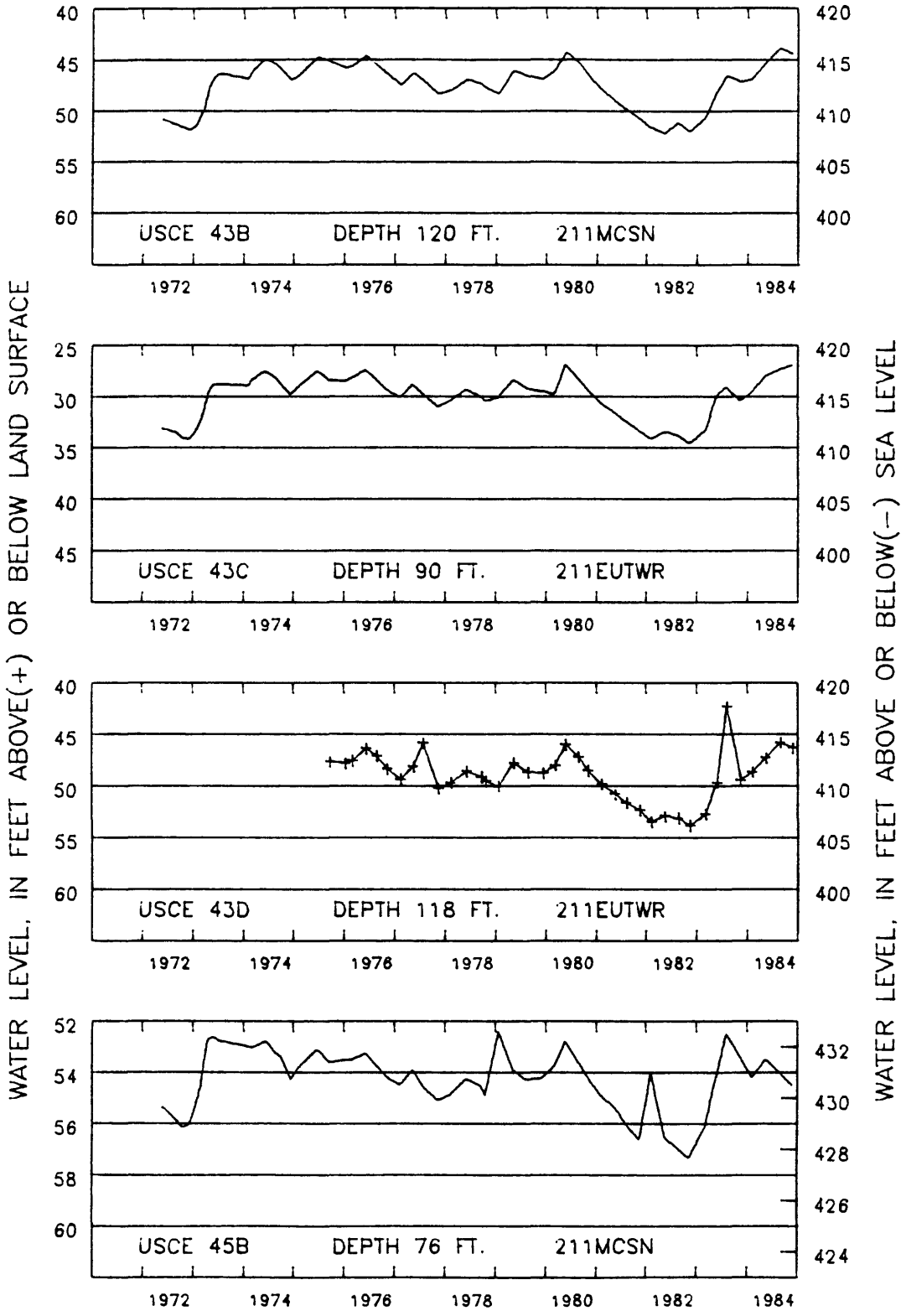
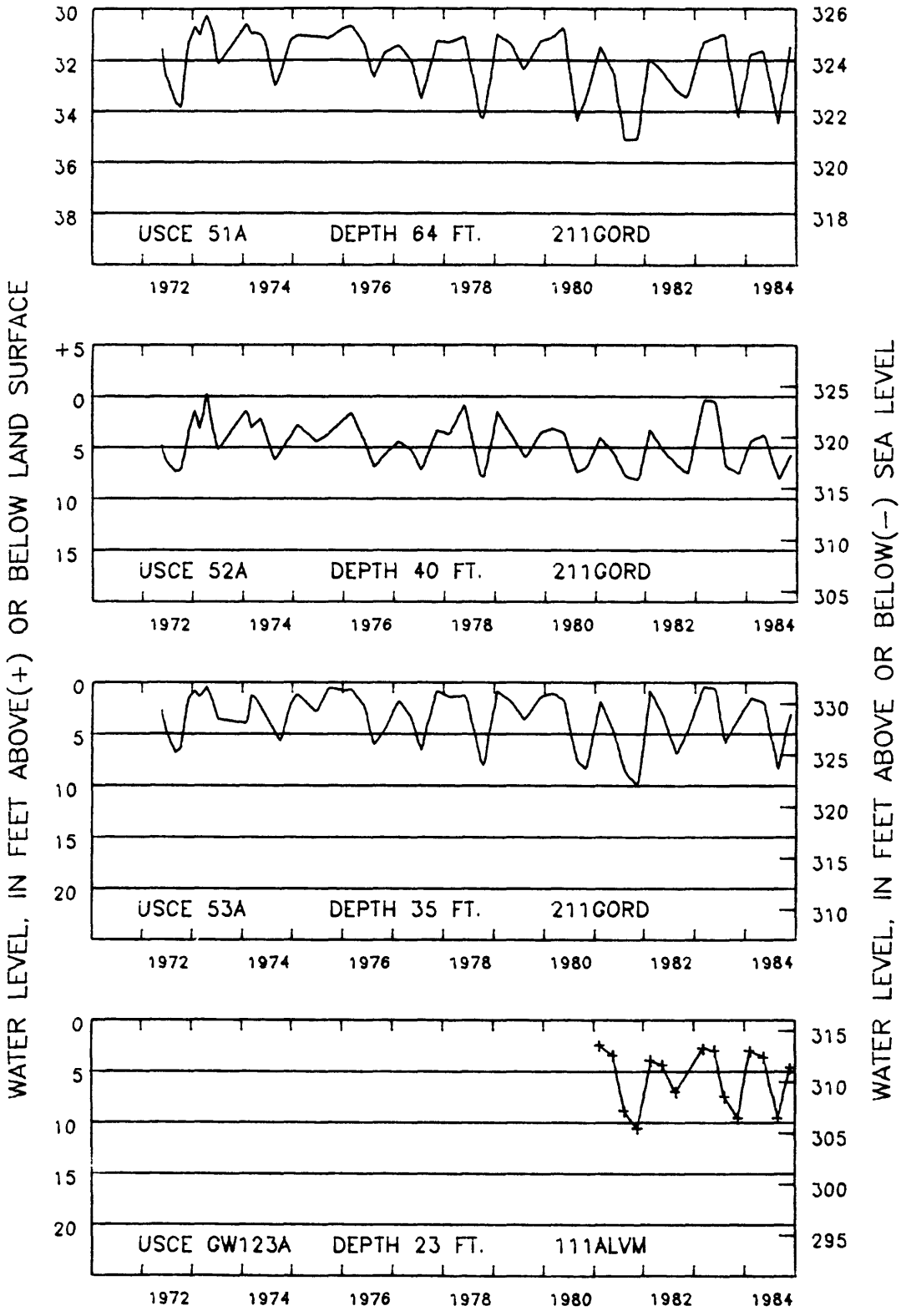
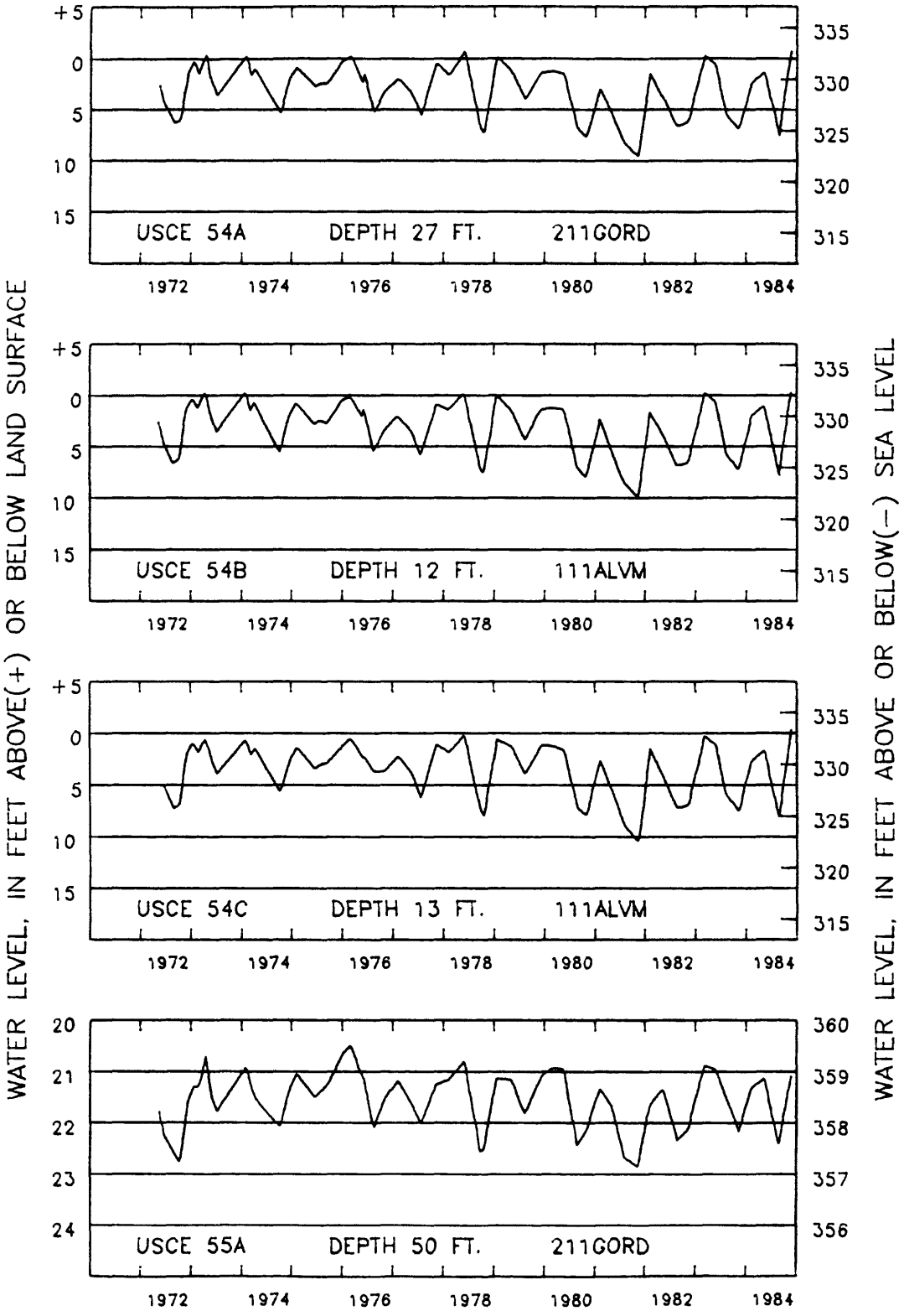


HYDROGRAPHS OF TENNESSEE–TOMBIGBEE OBSERVATION WELLS



HYDROGRAPHS OF TENNESSEE–TOMBIGBEE OBSERVATION WELLS



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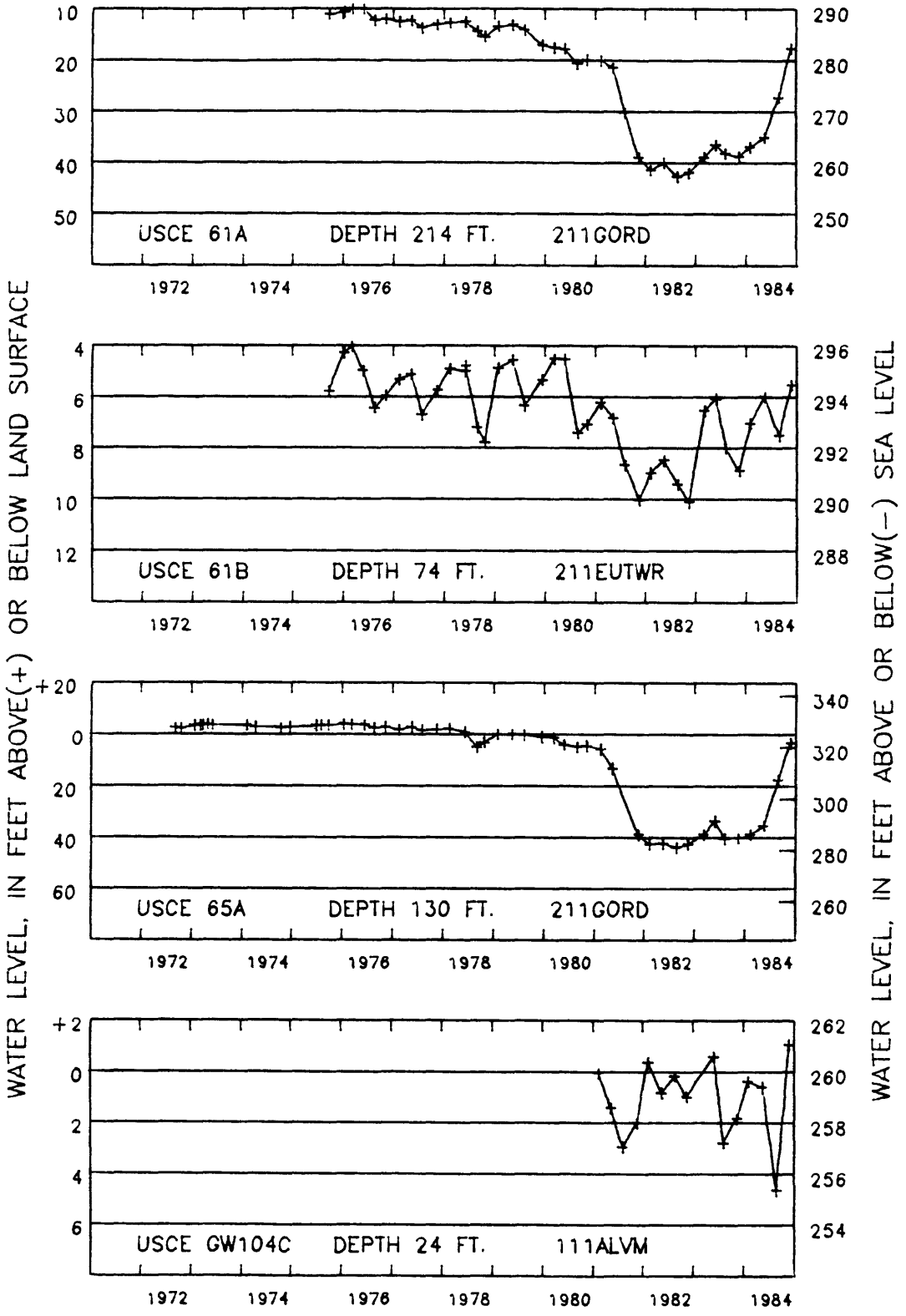

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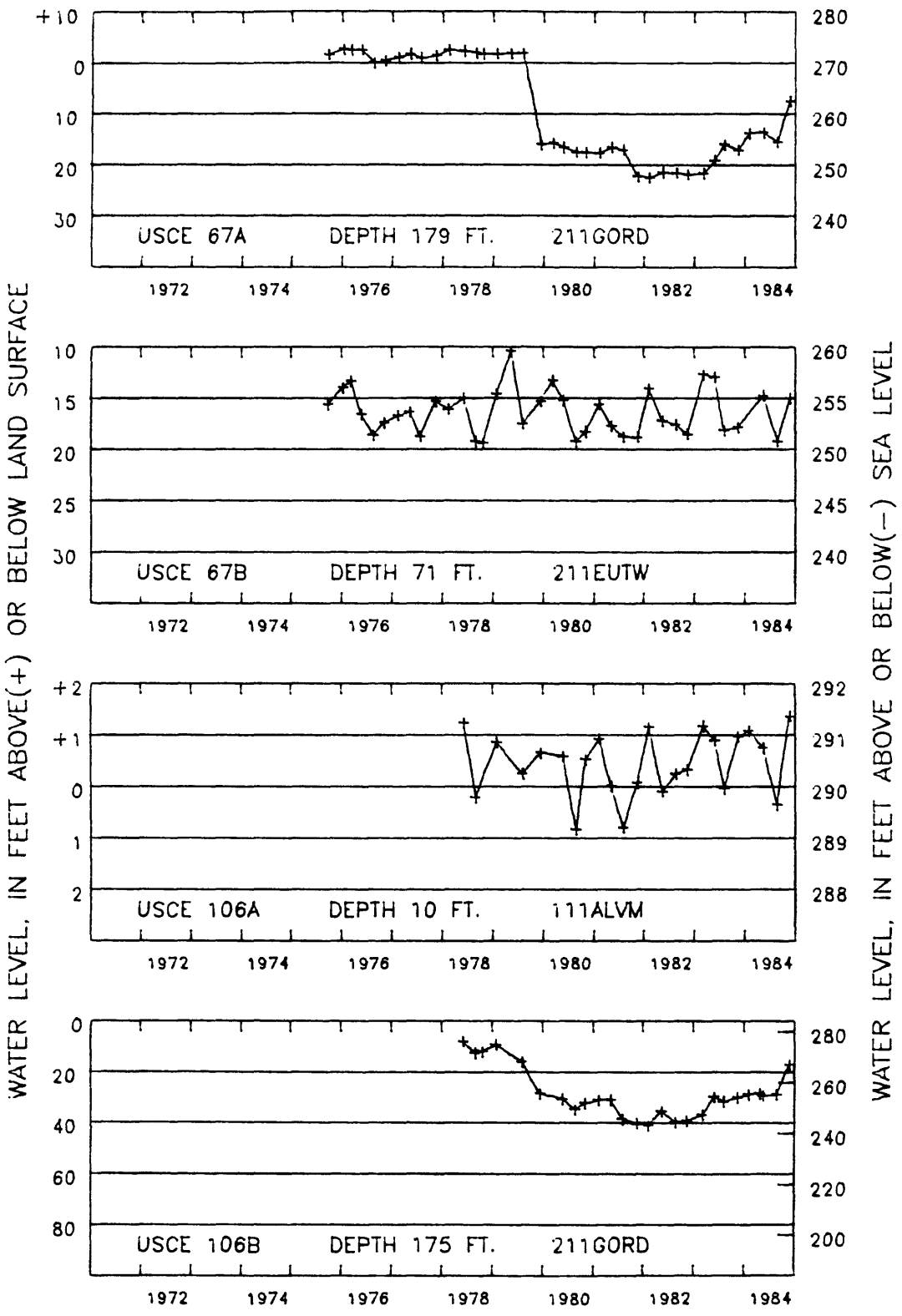
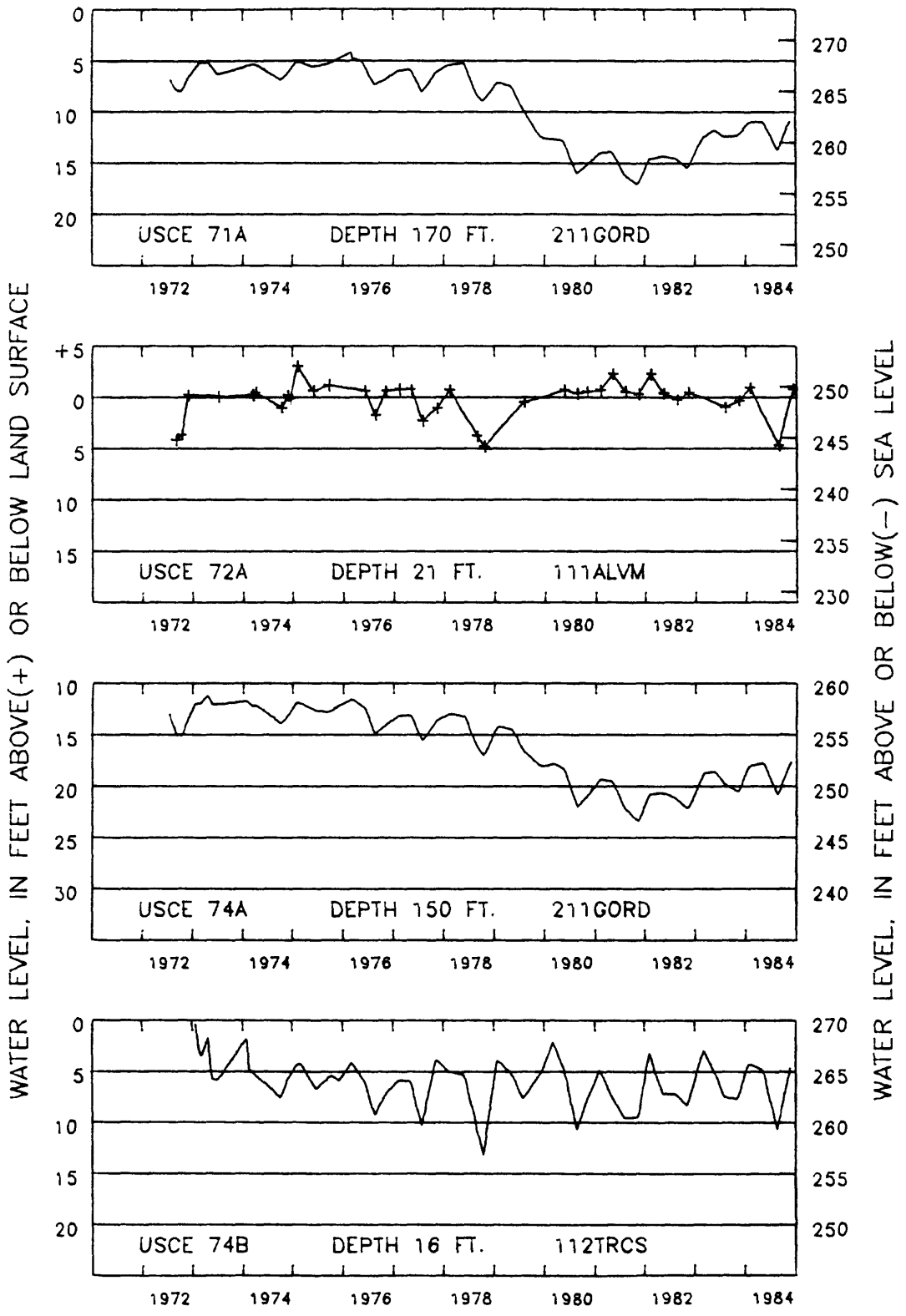
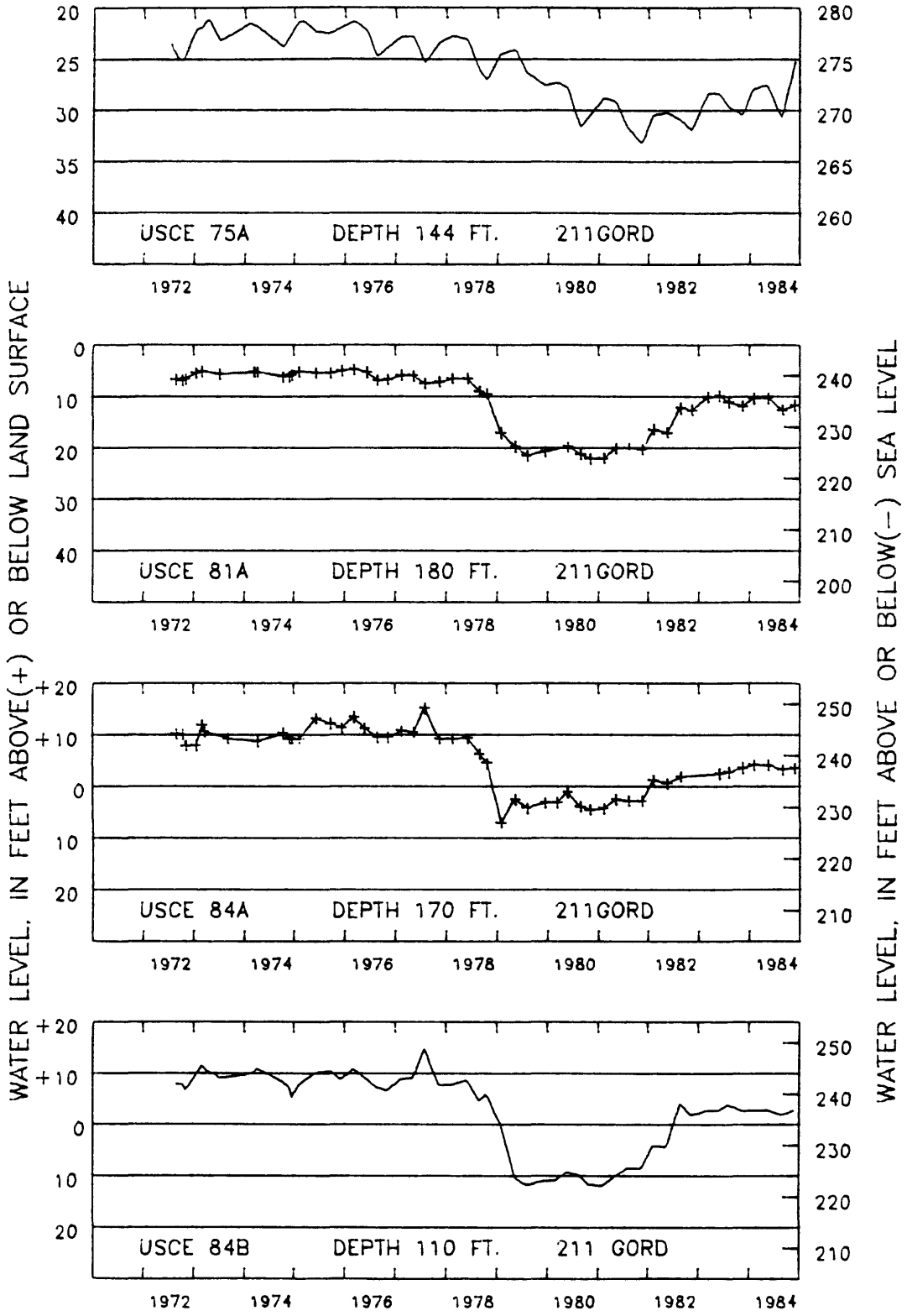


HYDROGRAPHS OF TENNESSEE–TOMBIGBEE OBSERVATION WELLS



HYDROGRAPHS OF TENNESSEE–TOMBIGBEE OBSERVATION WELLS



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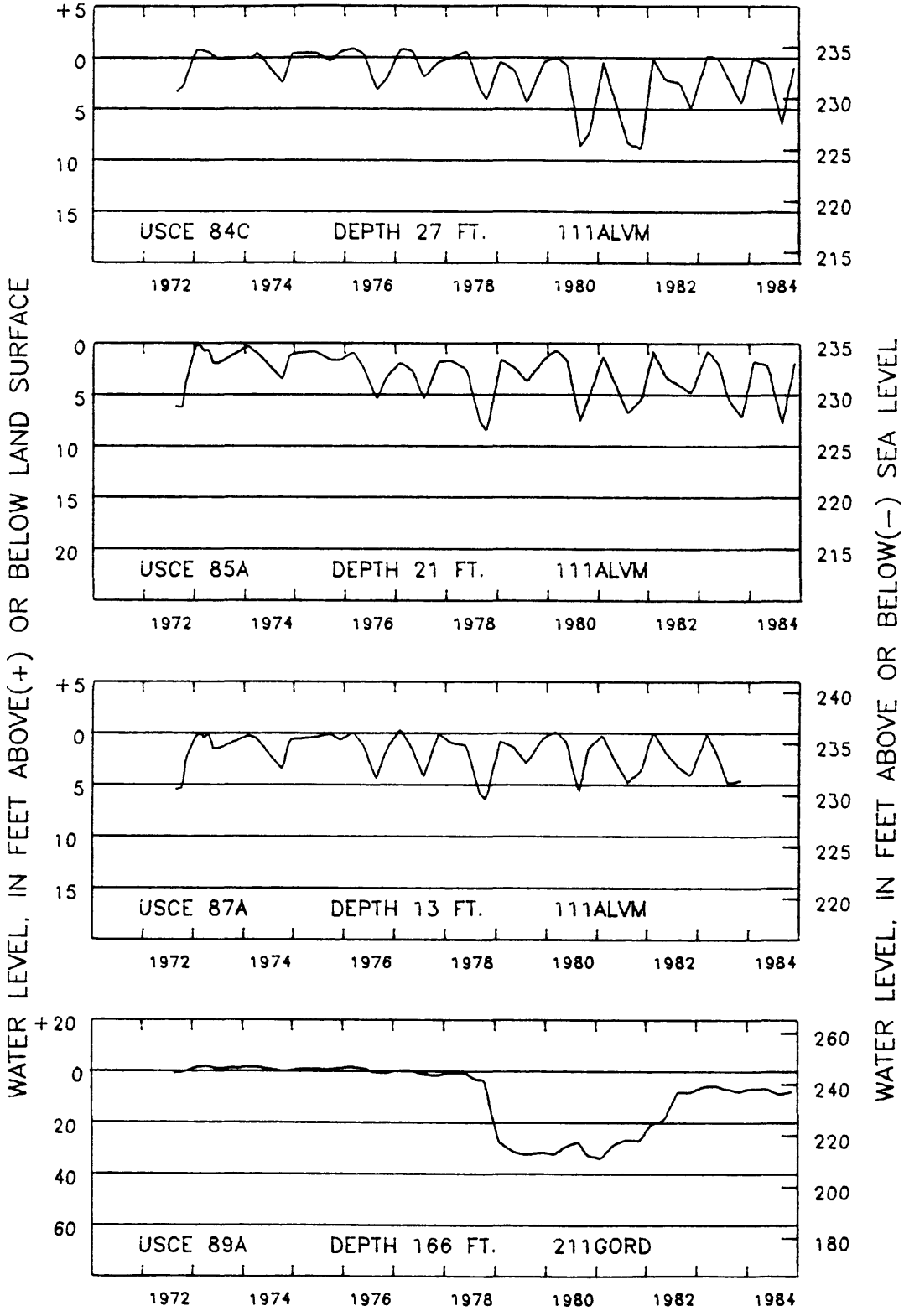
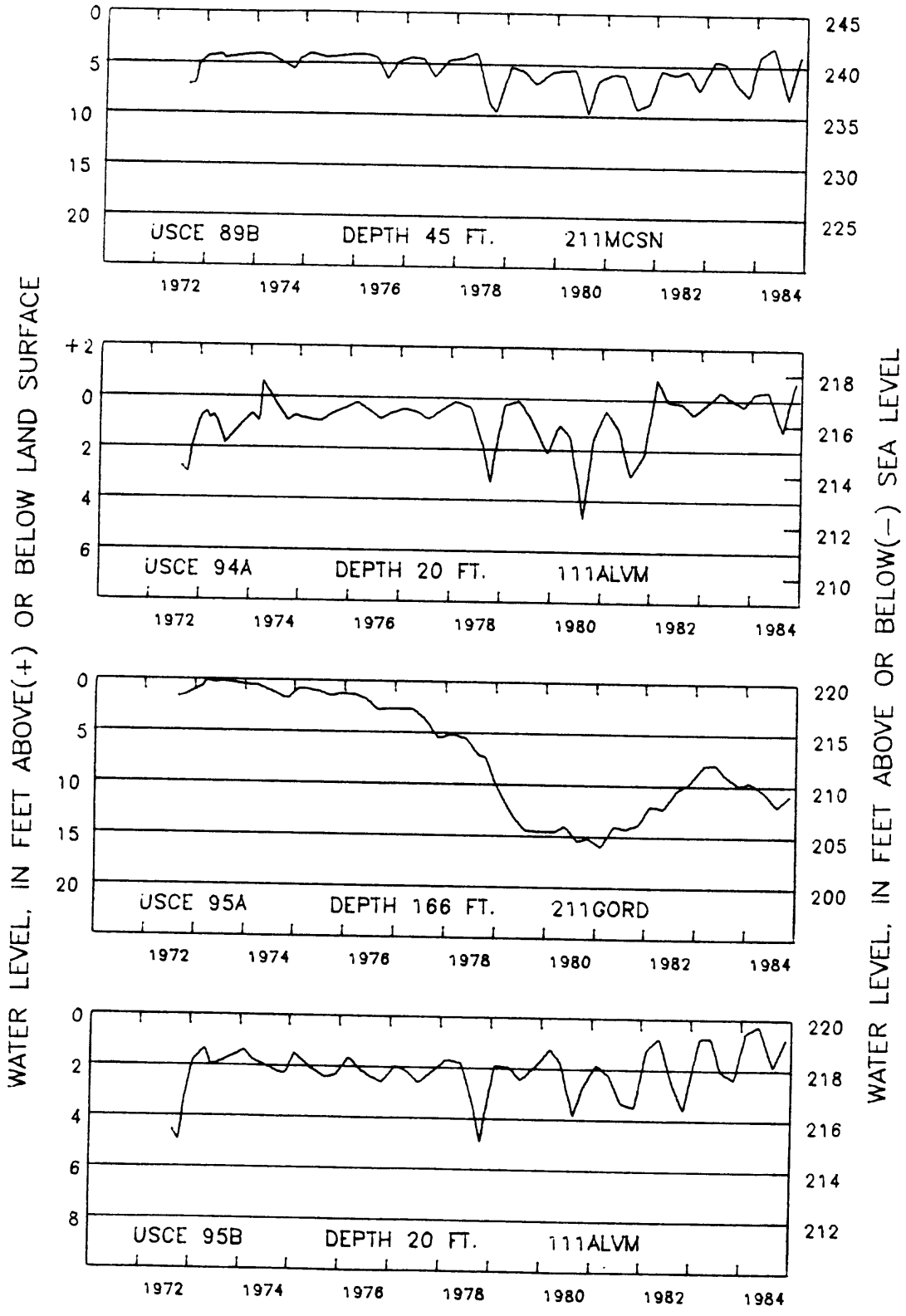
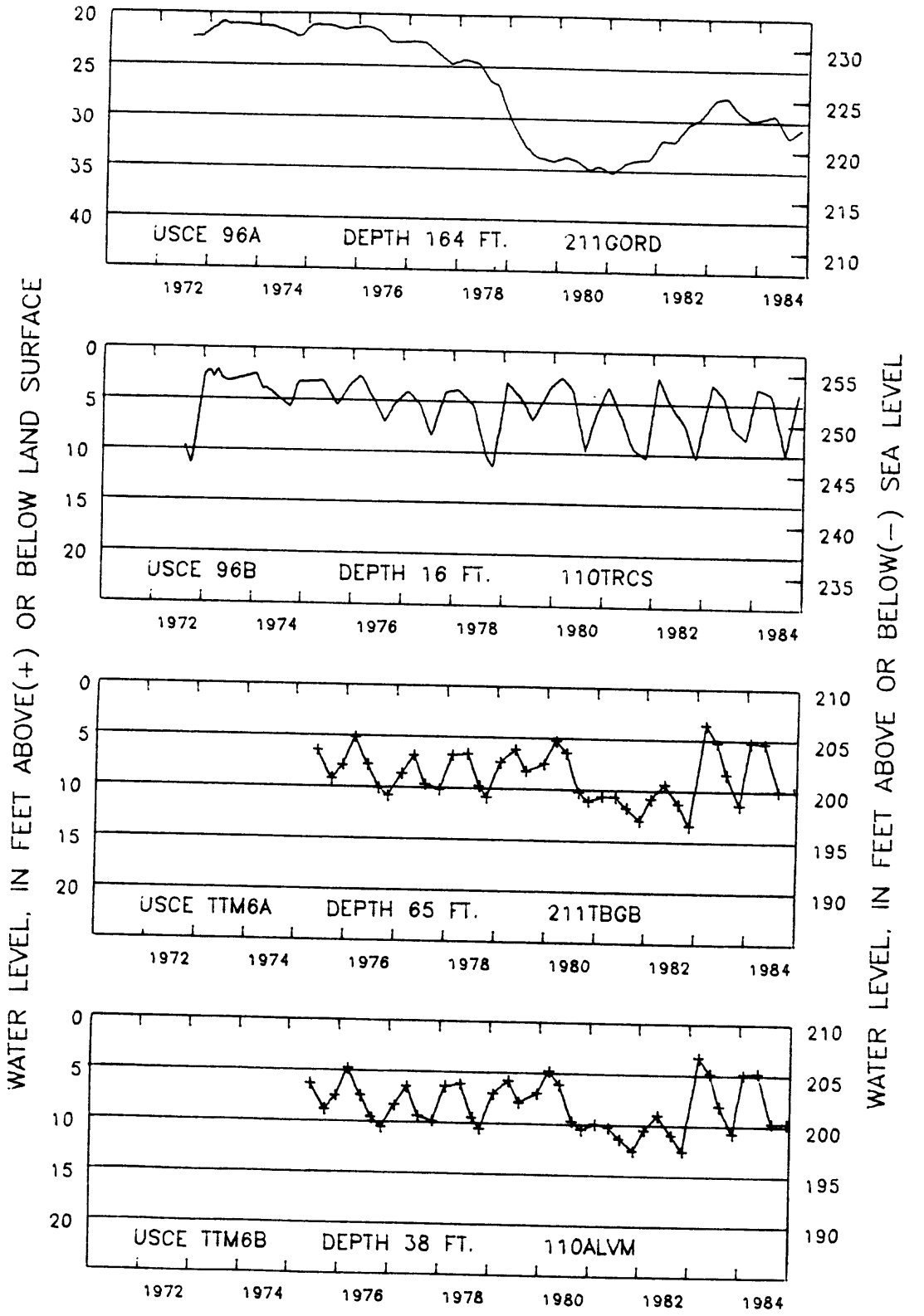


HYDROGRAPHS OF TENNESSEE–TOMBIGBEE OBSERVATION WELLS



HYDROGRAPHS OF TENNESSEE–TOMBIGBEE OBSERVATION WELLS



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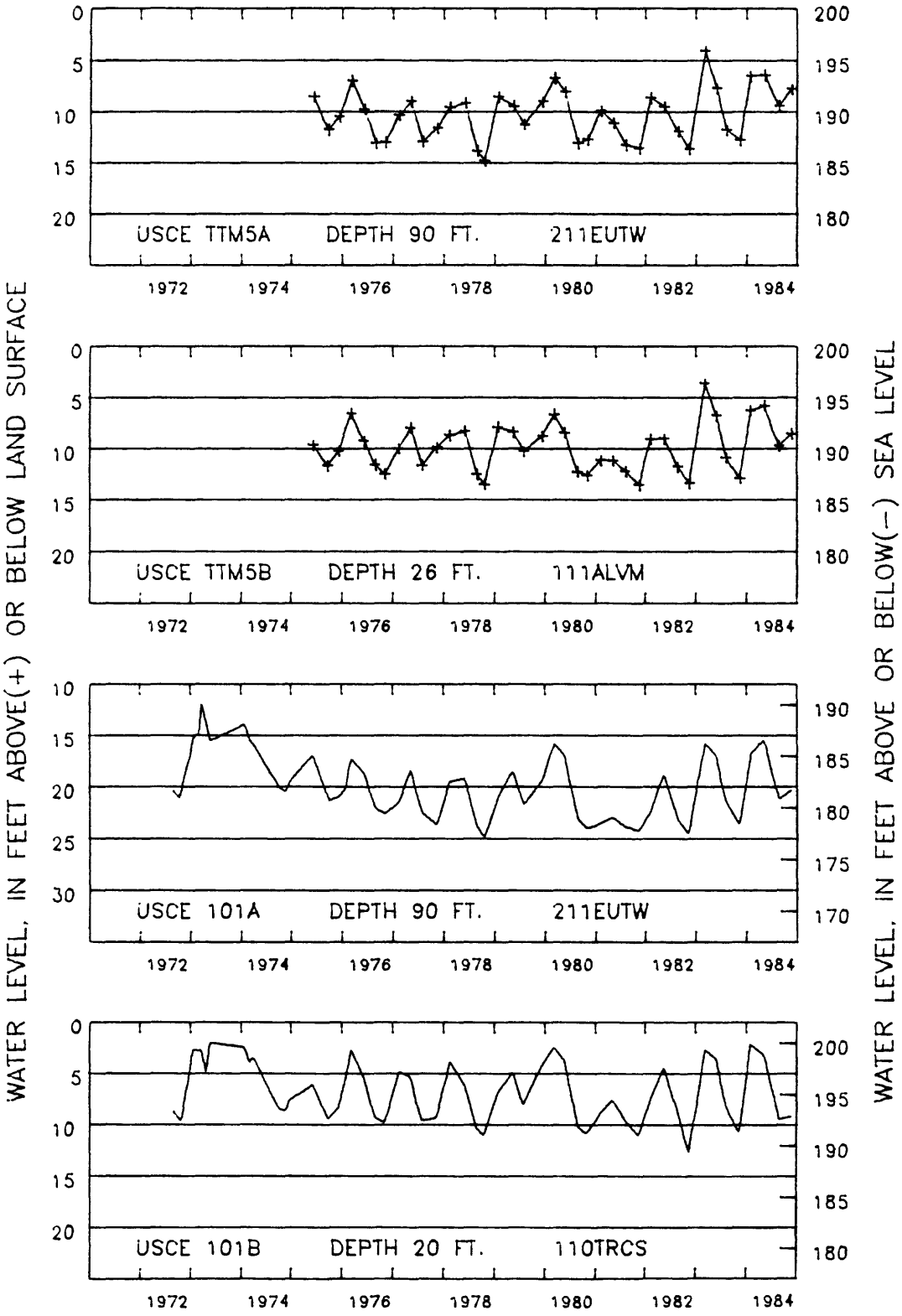

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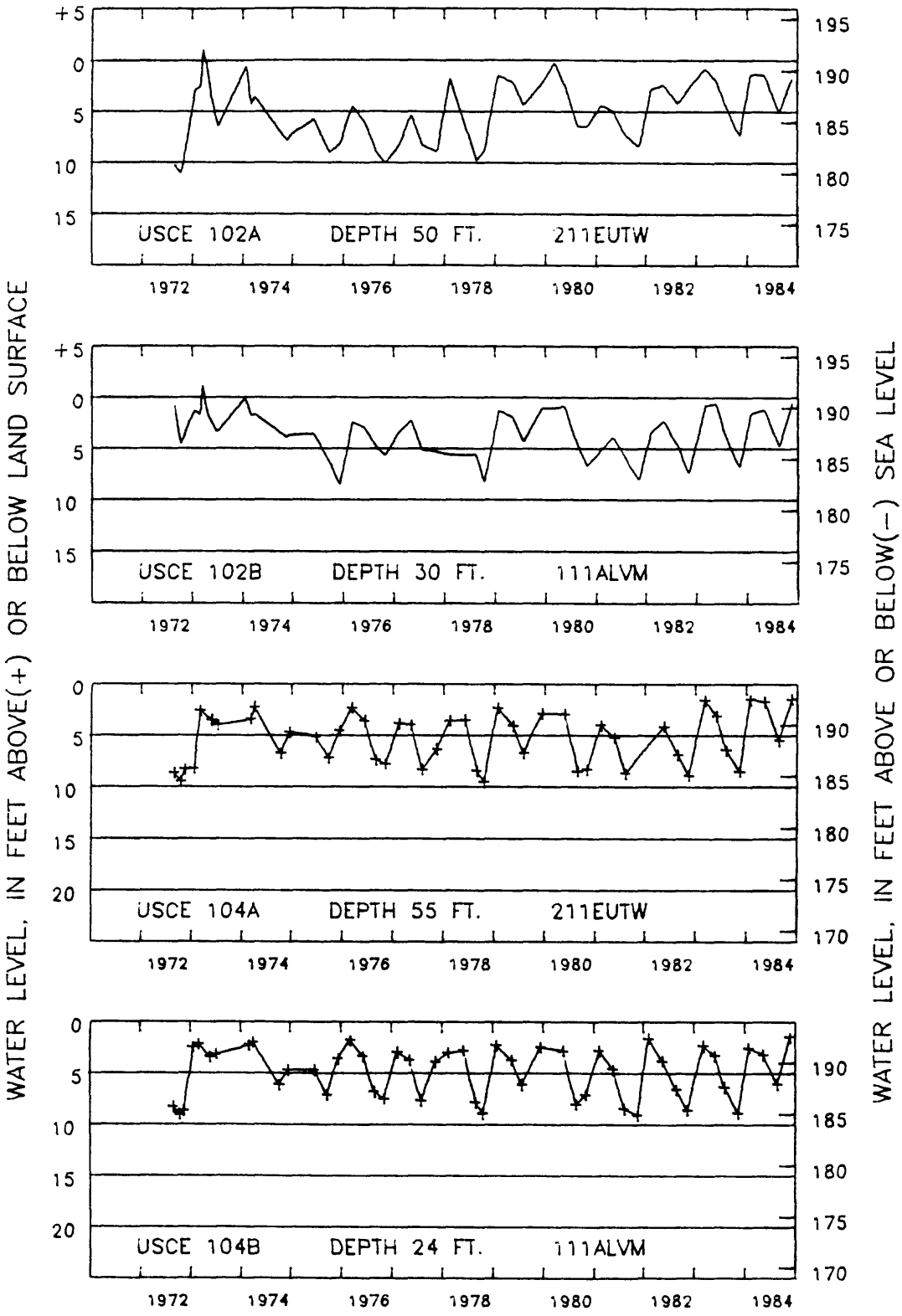

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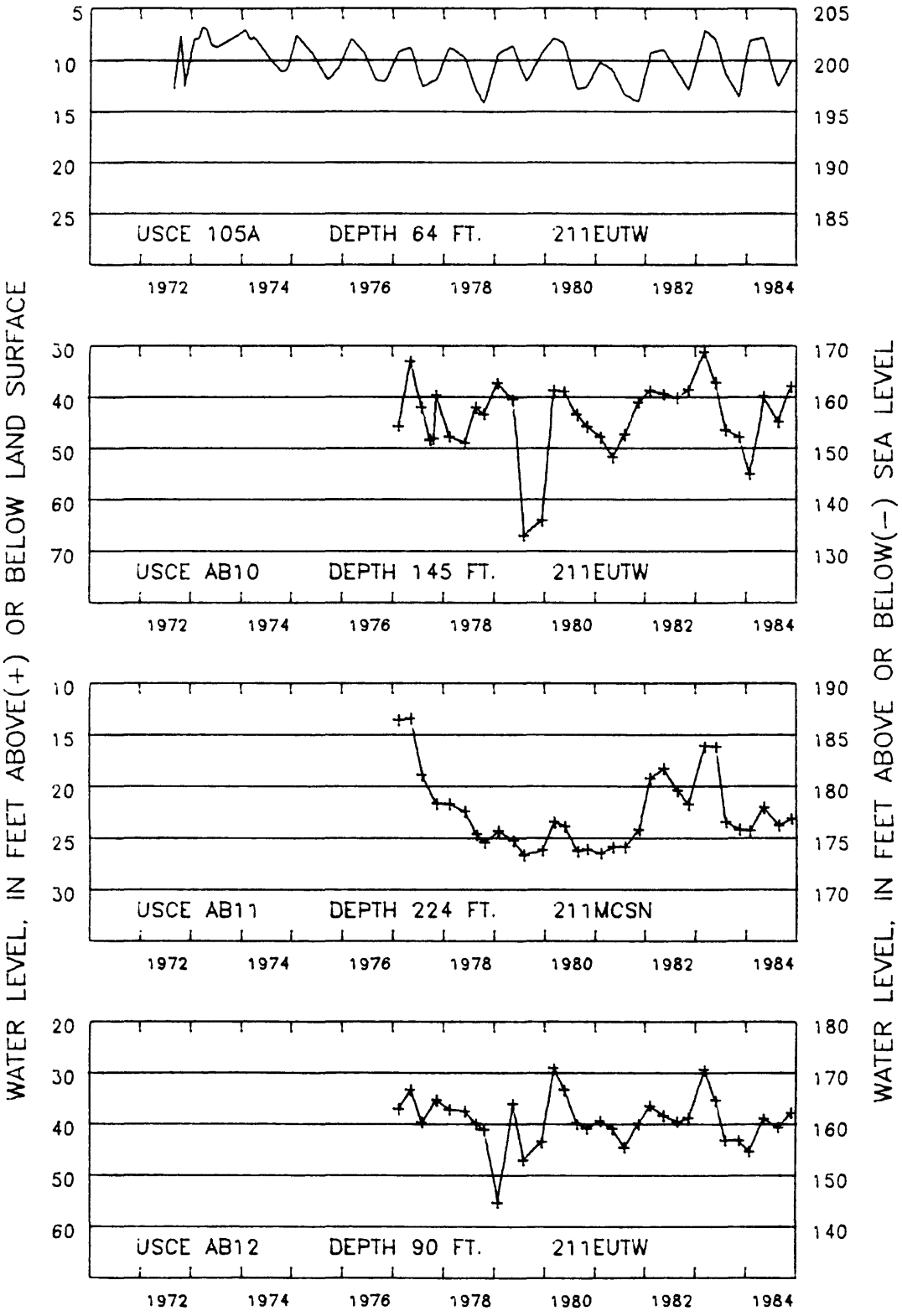

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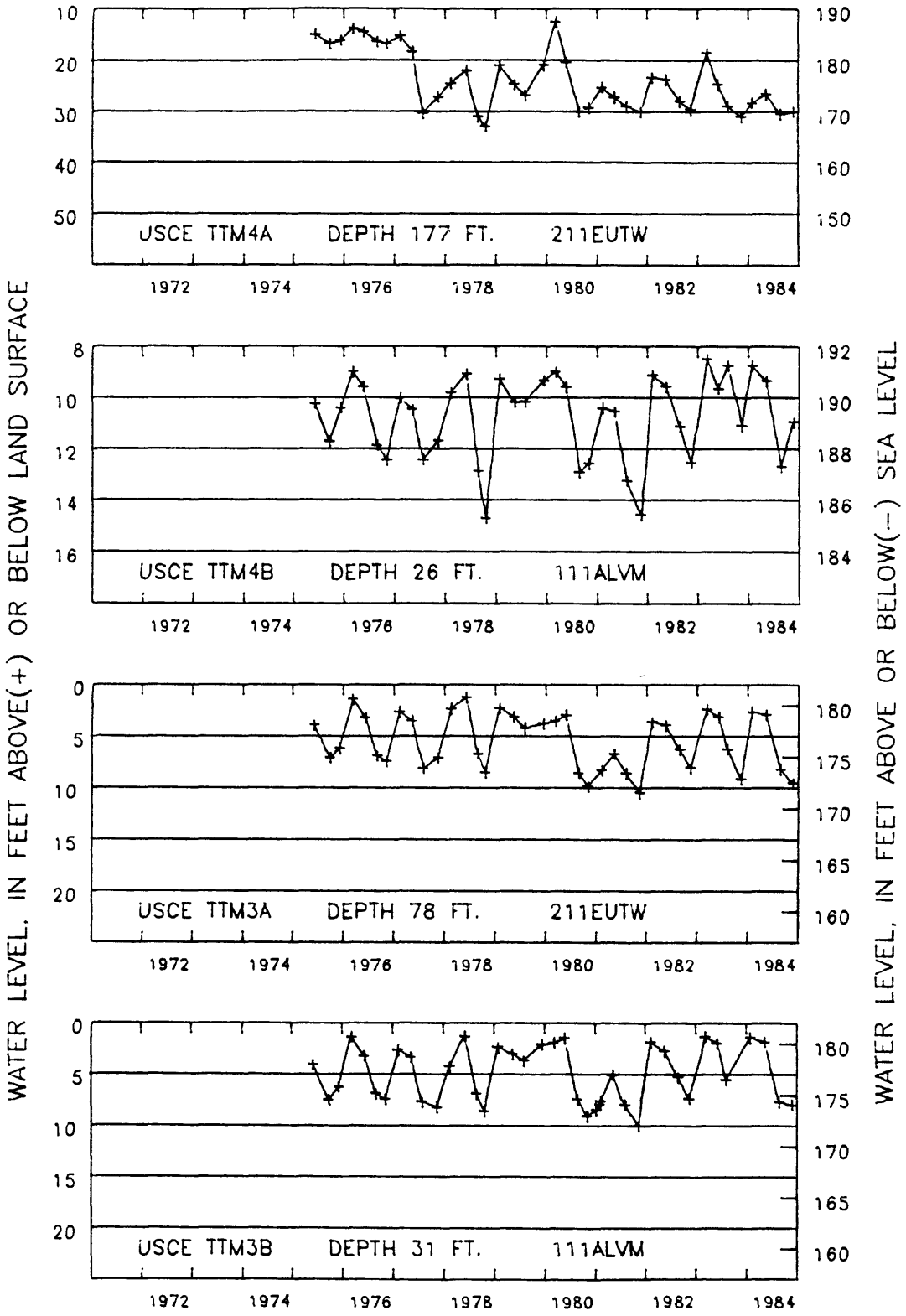

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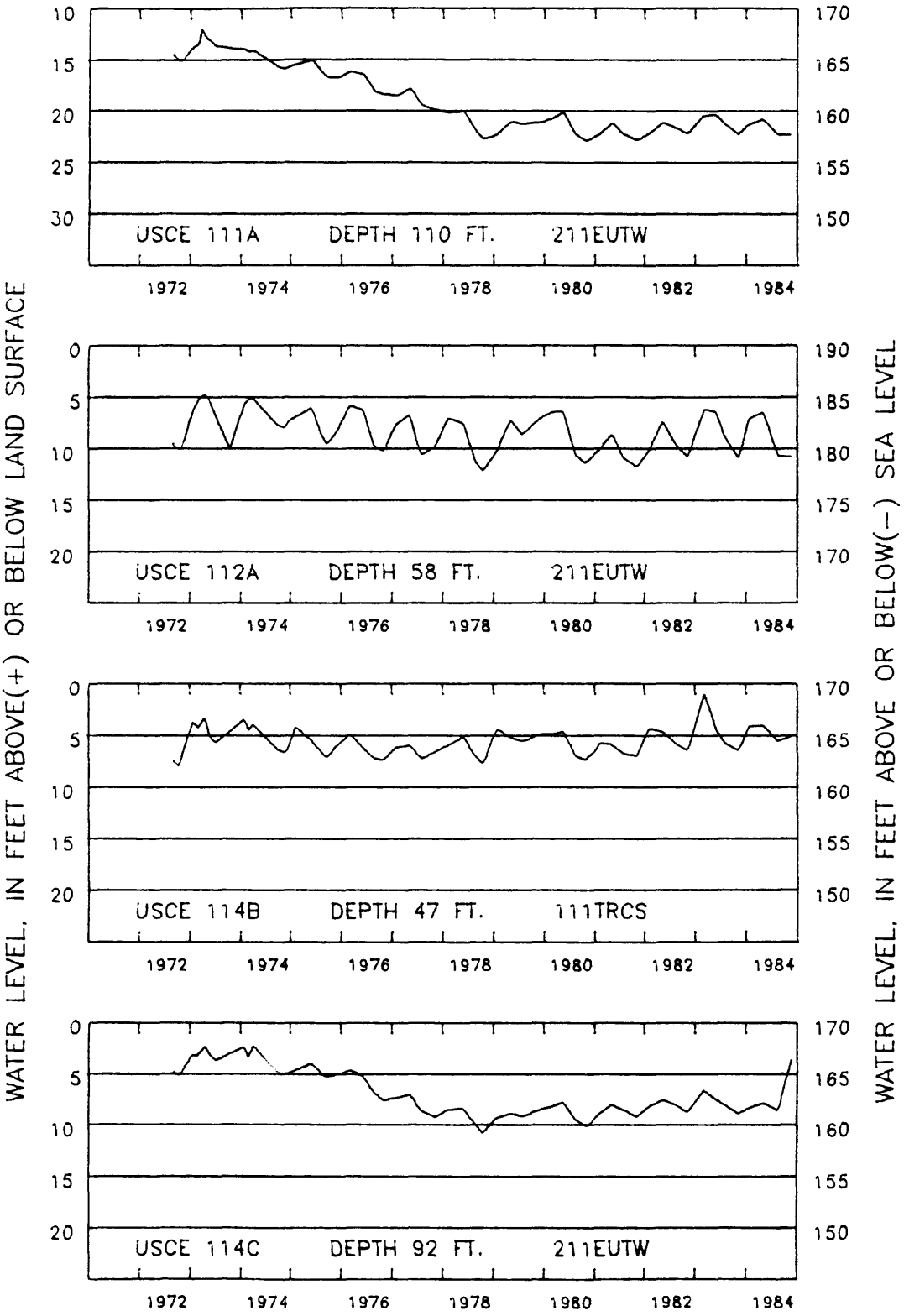

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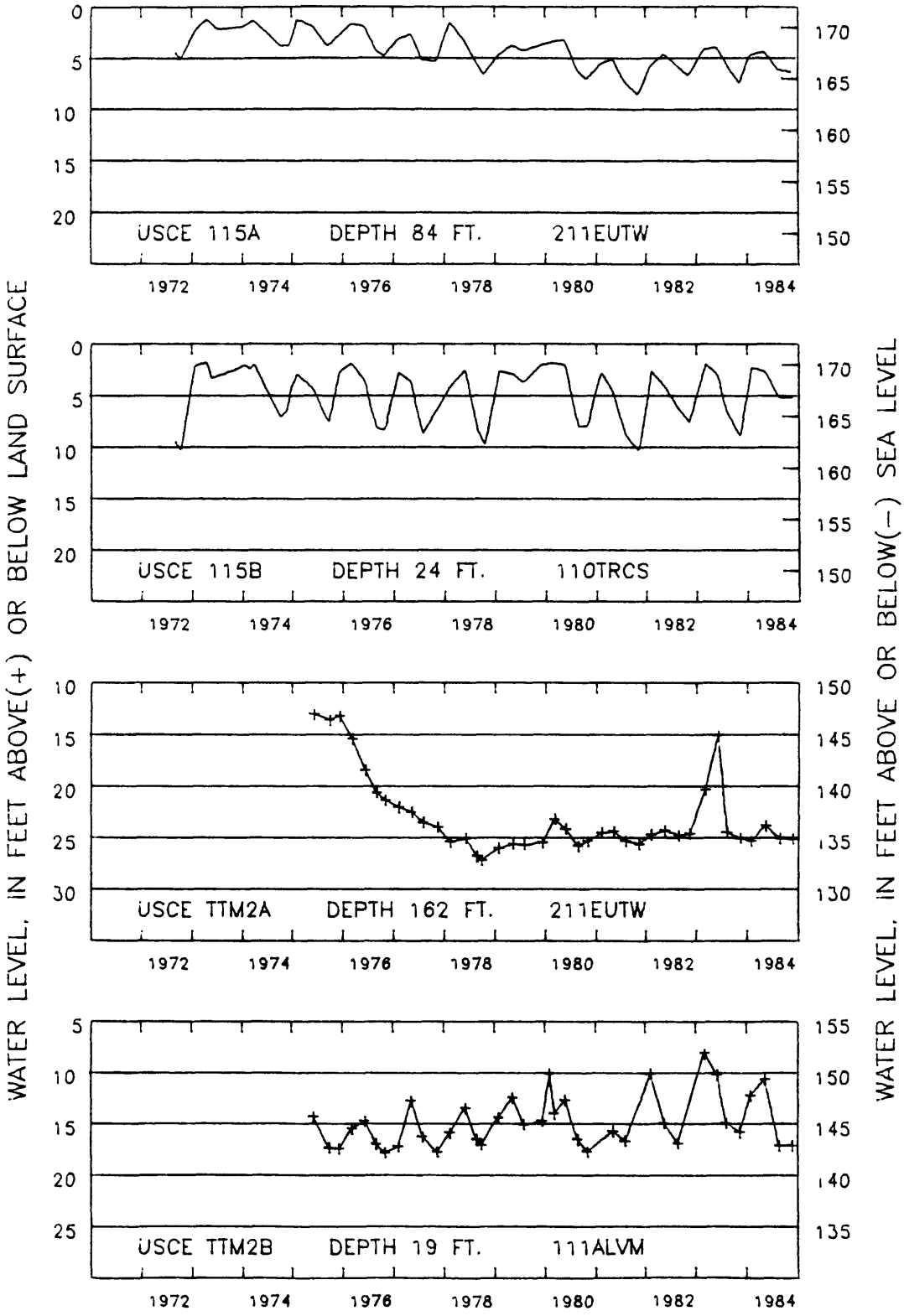

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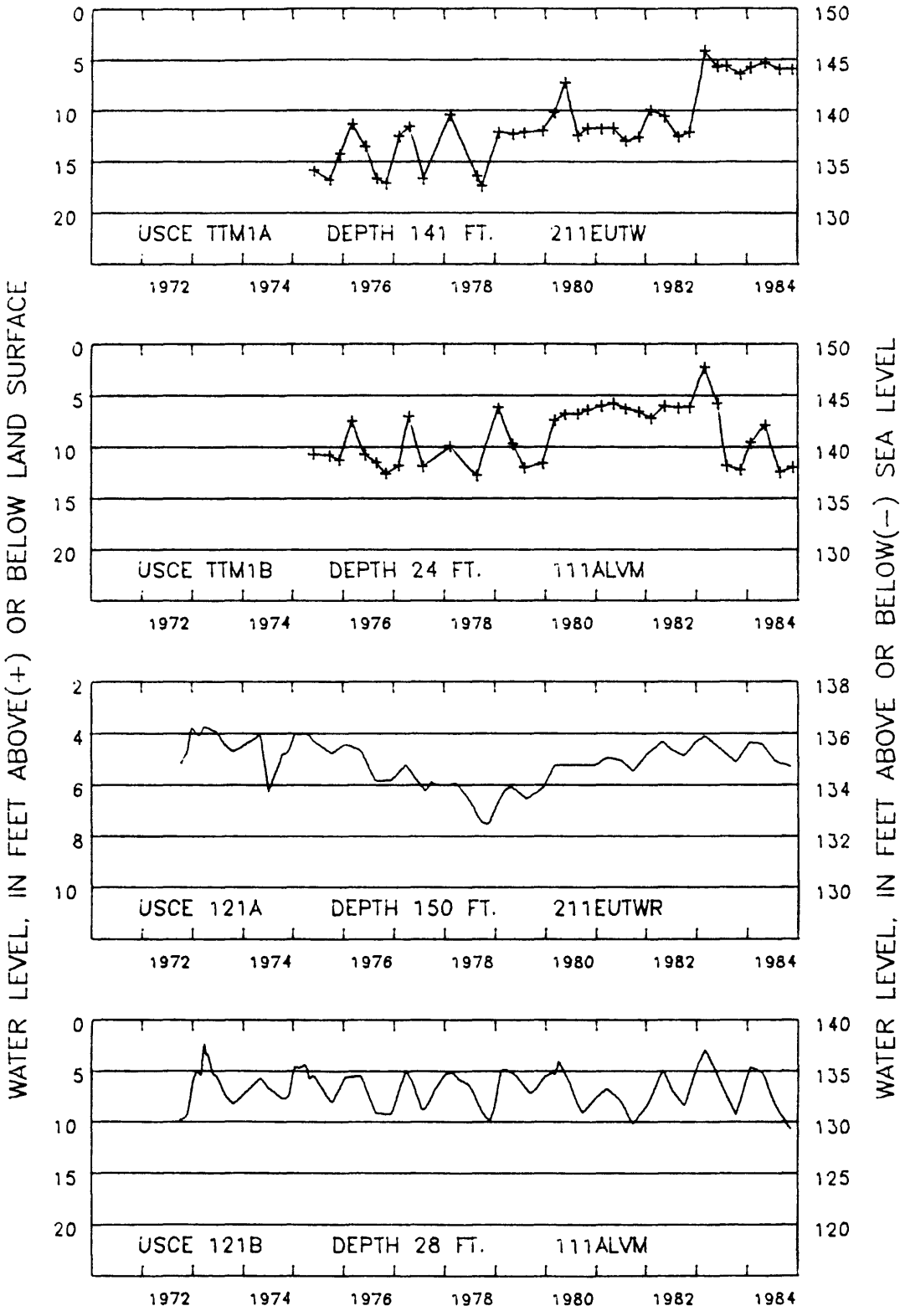

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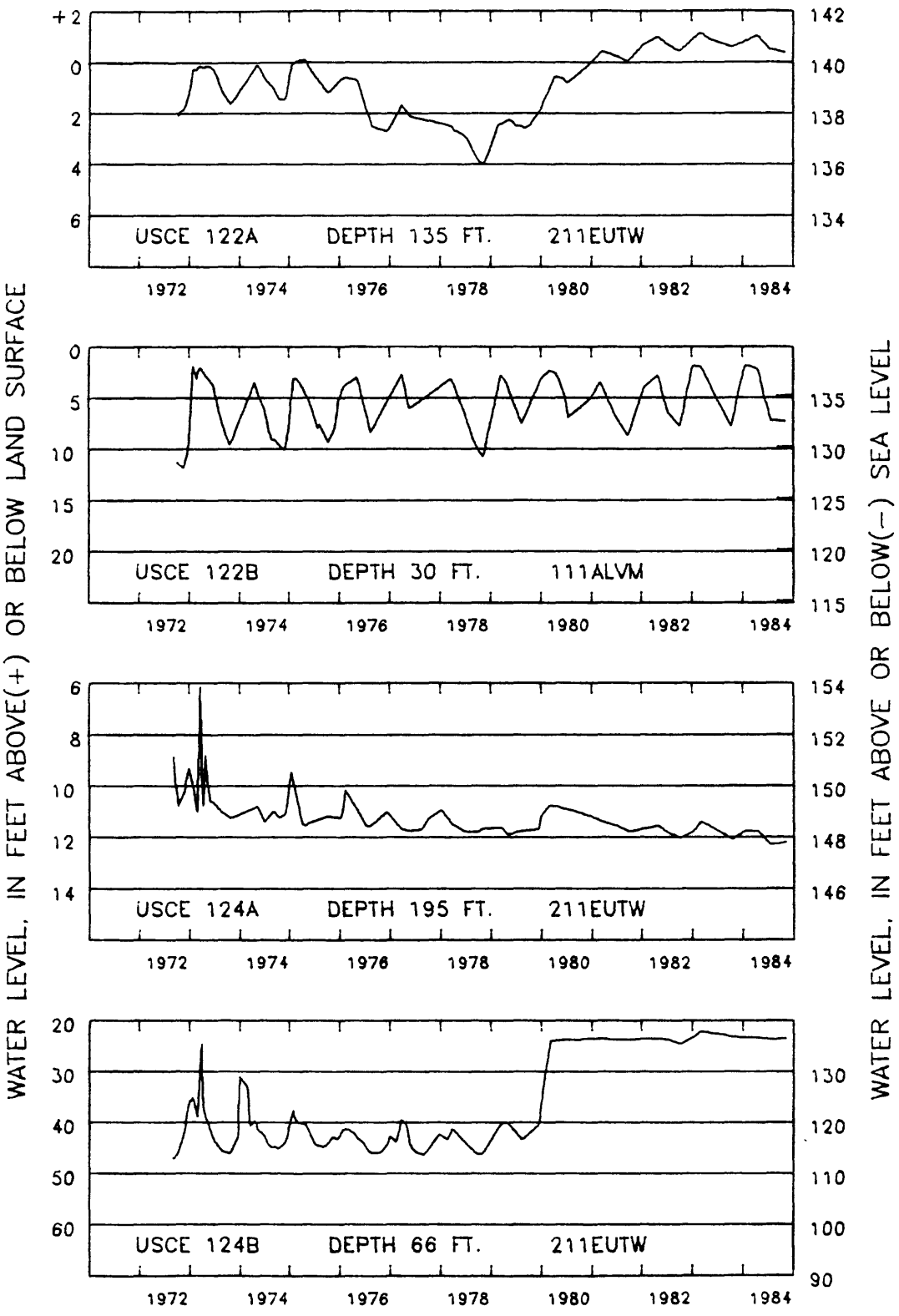

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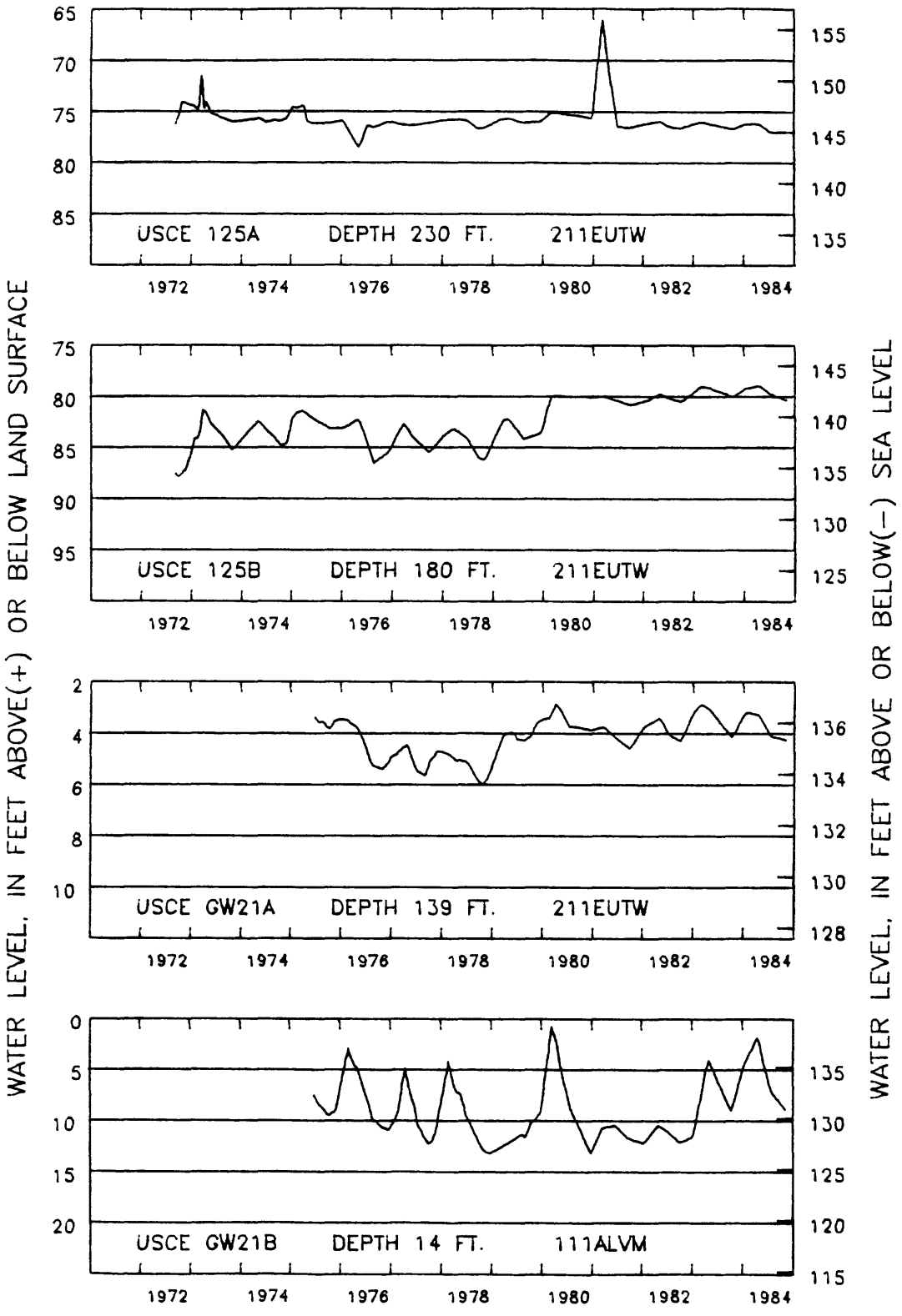

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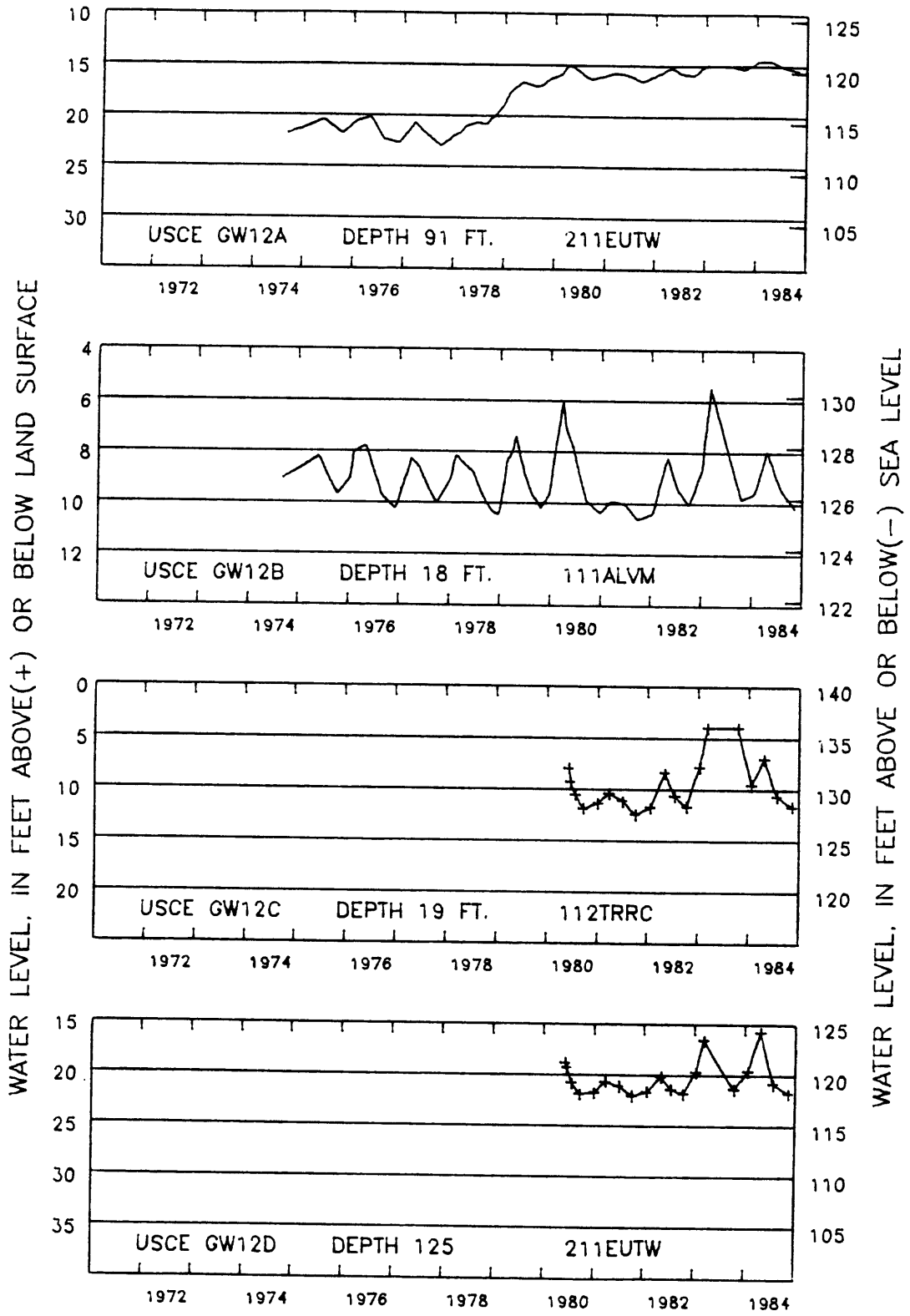

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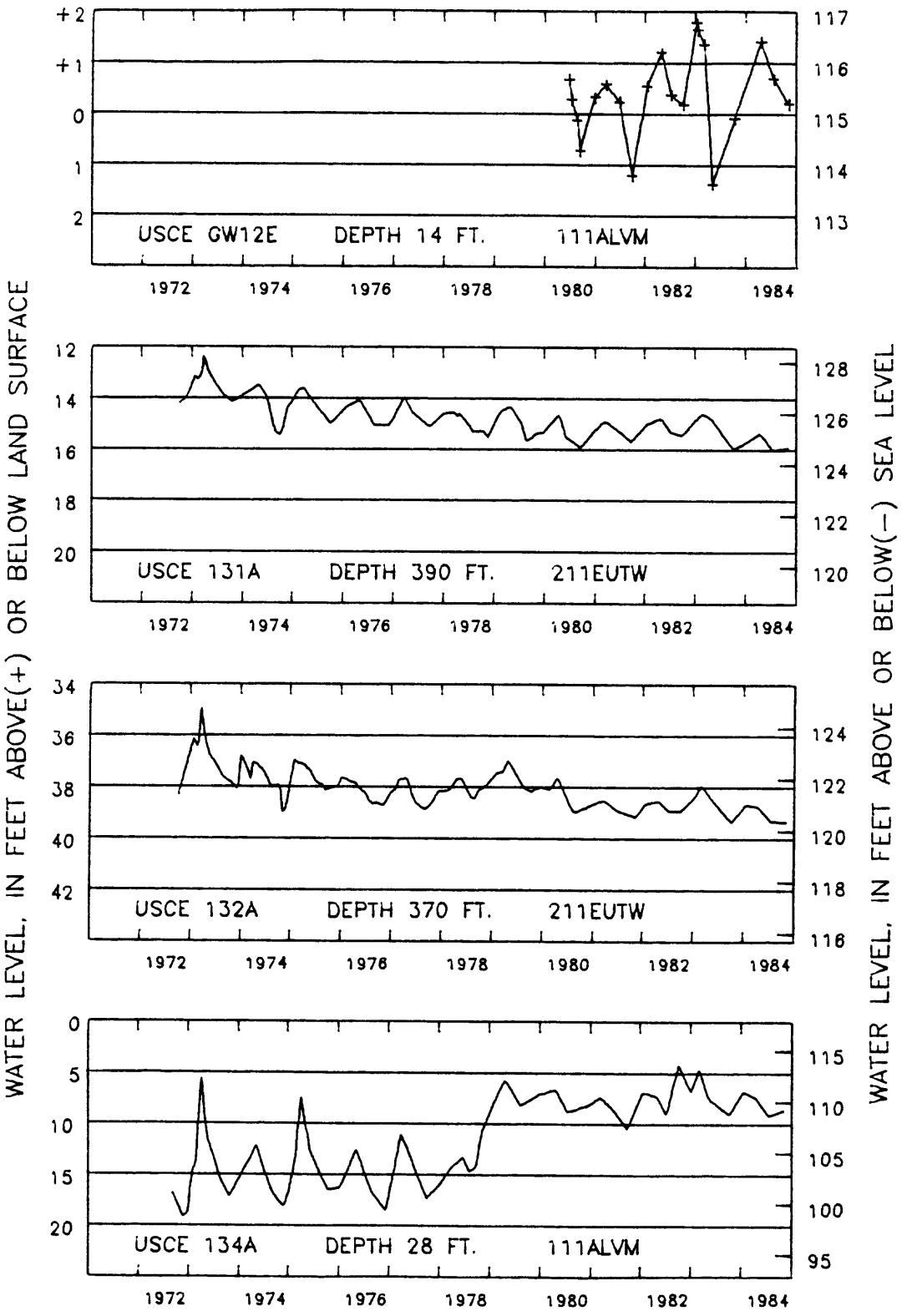

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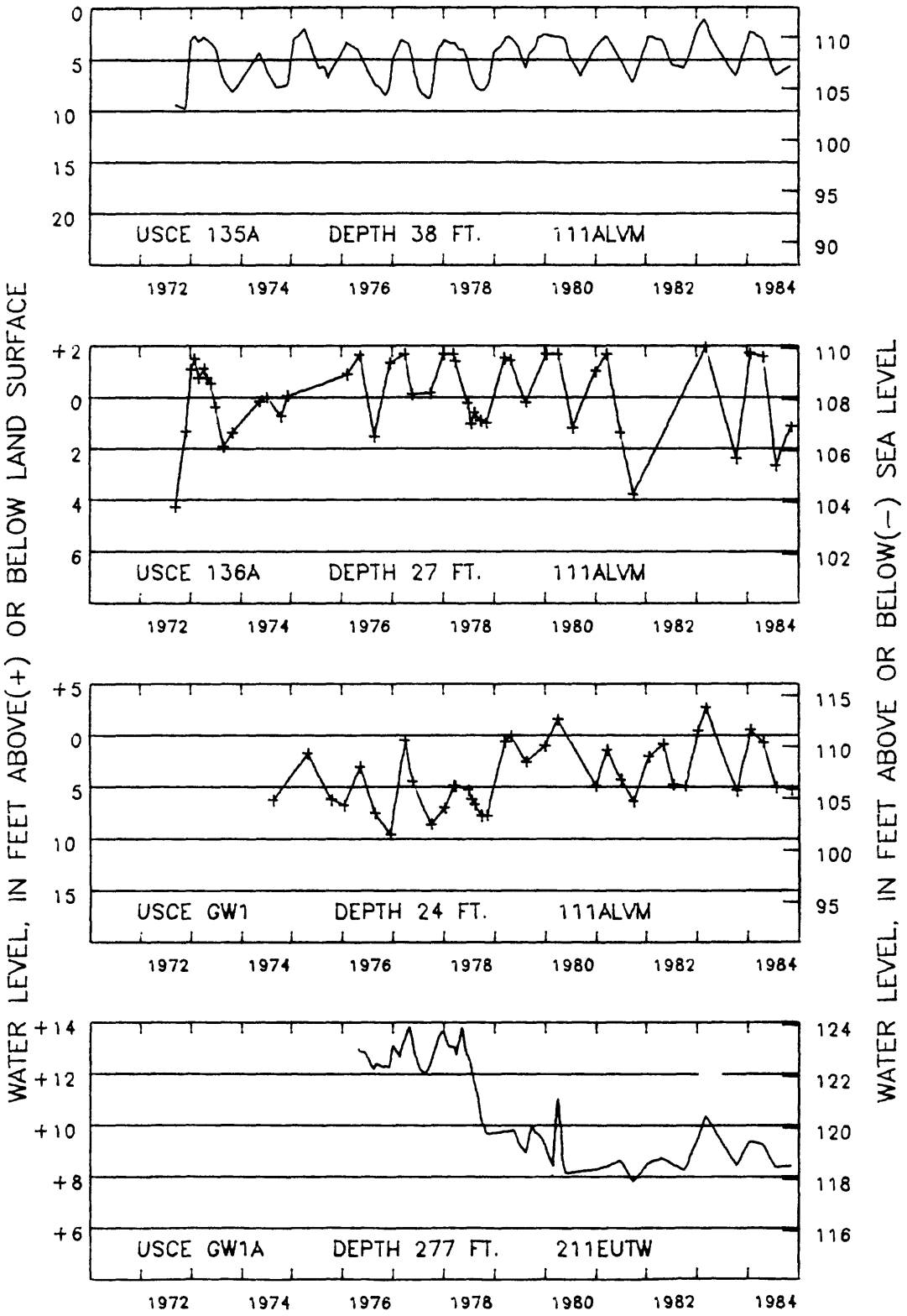
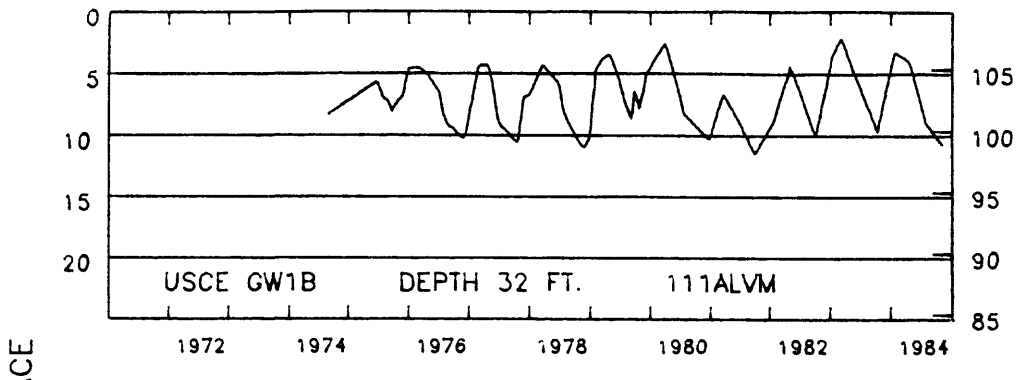


HYDROGRAPHS OF TENNESSEE–TOMBIGBEE OBSERVATION WELLS



WATER LEVEL, IN FEET ABOVE(+) OR BELOW LAND SURFACE

WATER LEVEL, IN FEET ABOVE OR BELOW(−) SEA LEVEL

HYDROGRAPHS OF TENNESSEE–TOMBIGBEE OBSERVATION WELLS

APPENDIX A

GROUND-WATER DATA

WATER-QUALITY ANALYSES

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	TIME	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)
			ITAWAMBA						
341610088264801	G065 USCE 67A	211GORD	84-05-22	0830	26	10.00	14.23	179	270.00
341610088264802	G066 USCE 67B	211EUTW	84-05-22	0918	26	10.00	14.84	71.00	270.00
341232088225302	L014 USCE 74A	211GORD	84-05-22	1350	26	10.00	17.96	150	270.00
341232088225301	L019 USCE 74B(BENSON)	112TRCS	84-05-22	1200	26	10.00	4.92	16.00	270.00
			LOWNDES						
332935088282001	F073 USCE TTM2A	211EUTW	84-06-26	1600	26	10.00	24.19	162	160.00
332935088282002	F074 USCE TTM2B	111ALVM	84-06-25	1700	26	10.00	10.79	19.00	160.00
			MONROE						
340054088281801	C059 USCE 95A	211GORD	84-05-22	1745	33	15.00	10.72	166	220.00
340056088283001	C066 USCE 94A	111ALVM	84-05-22	1625	33	15.00	-0.30	20.00	217.00
335445088312501	H017 USCE TTM5A	211EUTW	84-05-24	1840	26	10.00	6.57	90.00	200.00
335445088312502	H018 USCE TTM5B	111ALVM	84-05-25	0930	26	10.00	5.89	26.00	200.00
334910088311501	L073 USCE TTM4A	211EUTW	84-05-25	1030	26	10.00	26.96	177	200.00
334910088311502	L074 USCE TTM4B	111ALVM	84-05-25	1130	26	10.00	9.39	26.00	200.00
			PRENTISS						
342917088212701	M020 USCE 51A	211GORD	84-06-27	1725	26	10.00	31.67	64.00	356.00
			TISHOMINGO						
342854088194102	L033 USCE 54B	111ALVM	84-05-23	1100	26	10.00	1.13	12.00	332.00

STATION NUMBER	DATE OF SAMPLE	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
					ITAWAMBA						
341610088264801	84-05-22	30	10	135	6.9	17.5	10	48	0	15	2.5
341610088264802	84-05-22	20	10	67	6.8	17.0	5	24	2	7.6	1.1
341232088225302	84-05-22	30	10	67	6.6	17.5	90	25	0	7.3	1.6
341232088225301	84-05-22	30	10	71	6.7	15.5	40	20	0	6.9	.62
					LOWNDES						
332935088282001	84-06-26	30	10	570	7.8	19.0	5	31	--	8.9	2.1
332935088282002	84-06-25	30	10	75	6.8	24.0	10	12	0	3.5	.76
					MONROE						
340054088281801	84-05-22	--	--	95	5.6	18.0	5	35	0	9.6	2.6
340056088283001	84-05-22	--	--	145	5.8	16.5	150	26	1	6.8	2.3
335445088312501	84-05-24	20	10	120	8.2	18.5	10	46	0	14	2.6
335445088312502	84-05-25	20	10	139	6.8	16.0	3	43	41	7.0	6.2
334910088311501	84-05-25	20	10	221	6.4	19.5	10	76	0	24	3.9
334910088311502	84-05-25	20	10	70	5.1	18.0	85	14	7	3.6	1.3
					PRENTISS						
342917088212701	84-06-27	25	10	78	6.4	17.0	5	25	0	6.4	2.2
					TISHOMINGO						
342854088194102	84-05-23	15	10	36	6.8	16.0	10	7	0	2.0	.49

STATION NUMBER	DATE OF SAMPLE	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
					ITAWAMBA						
341610088264801	84-05-22	4.6	16	.3	2.8	51	8.0	<.10	.20	8.7	84
341610088264802	84-05-22	1.6	12	.1	1.6	22	<.2	1.7	<.10	12	98
341232088225302	84-05-22	1.8	13	.2	2.0	25	3.3	1.7	.20	8.5	62
341232088225301	84-05-22	3.3	24	.3	2.3	21	3.3	2.1	<.10	12	60
					LOWNDES						
332935088282001	84-06-26	100	85	8	5.3	--	1.4	48	.60	8.0	--
332935088282002	84-06-25	8.8	59	1	1.3	21	7.3	3.9	.10	9.8	74
					MONROE						
340054088281801	84-05-22	2.4	12	.2	4.0	34	5.2	1.6	.10	13	83
340056088283001	84-05-22	6.3	32	.6	1.9	25	6.1	7.1	.20	17	78
335445088312501	84-05-24	1.8	8	.1	1.9	45	5.2	1.0	<.10	21	87
335445088312502	84-05-25	2.1	9	.1	1.6	2.0	2.2	4.6	<.10	7.3	93
334910088311501	84-05-25	7.7	17	.4	3.1	85	2.6	5.1	.20	30	148
334910088311502	84-05-25	5.9	45	.7	1.0	7.0	3.5	3.3	.40	21	75
					PRENTISS						
342917088212701	84-06-27	1.9	13	.2	1.3	27	2.8	2.0	.10	8.6	66
					TISHOMINGO						
342854088194102	84-05-23	2.0	33	.3	1.3	7.0	4.5	2.9	<.10	8.7	34

STATION NUMBER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
			ITAWAMBA				
341610088264801	84-05-22	73	<.100	1600	26	130	18
341610088264802	84-05-22	99	1.00	78000	58000	390	420
341232088225302	84-05-22	54	<.100	27000	12000	390	340
341232088225301	84-05-22	46	1.30	1800	67	120	51
			LOWNDES				
332935088282001	84-06-26	--	1.00	3000	11	80	25
332935088282002	84-06-25	48	.320	2600	15	50	16
			MONROE				
340054088281801	84-05-22	70	<.100	31000	11000	820	290
340056088283001	84-05-22	76	<.100	31000	13000	820	640
335445088312501	84-05-24	76	<.100	7600	390	890	650
335445088312502	84-05-25	85	12.0	280	26	40	38
334910088311501	84-05-25	130	<.100	17000	63	660	320
334910088311502	84-05-25	59	3.10	31000	420	410	140
			PRENTISS				
342917088212701	84-06-27	55	<.100	13000	13000	630	640
			TISHOMINGO				
342854088194102	84-05-23	26	<.100	3100	85	430	170

STATION NUMBER	LOCAL IDENT-I-FIER		GEO-LOGIC UNIT	DATE OF SAMPLE	TIME	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)
				PRENTISS						
344251088323001	B034	THRASHER W A	211EUTW	84-06-27	1235	26	10.00	--	514	520.00
343948088332801	F043	BOONEVILLE	211EUTW	84-06-26	1820	26	10.00	--	495	500.00
				TISHOMINGO						
344638088200103	D041	USCE 12B	211EUTWR	84-06-28	0945	26	10.00	60.91	150	485.00
344638088200104	D042	USCE 12C	211EUTWR	84-06-28	0845	26	10.00	55.08	88.00	485.00
345033088192201	D052	BURNSVILLE	300PLZC	84-06-26	1700	26	10.00	--	280	520.00
344849088120401	E006	IUKA	337FRPN	84-06-26	1400	26	10.00	--	360	570.00
344834088111601	F001	H M BIGGS	211GORD	84-06-26	1525	26	10.00	37.98	113	545.00
344253088162802	G015	USCE 25A	211GORD	84-05-23	1530	26	10.00	116.24	235	610.00
344218088184302	G040	USCE 22B	211EUTWR	84-06-28	1115	26	10.00	173.95	240	625.00
344053088161203	J014	USCE 34B	211EUTWR	84-05-23	1321	26	10.00	73.57	134	560.00
344017088180402	J018	USCE 31A	211GORD	84-05-24	1034	26	10.00	35.05	178	473.00
344017088180403	J019	USCE 31B	211EUTWR	84-05-24	1145	26	10.00	10.83	74.00	473.00

STATION NUMBER	DATE OF SAMPLE	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	ACIDITY (MG/L AS H)	ACIDITY (MG/L AS CACO3)
					PRENTISS						
344251088323001	84-06-27	30	--	280	7.7	18.5	1	120	2	.1	5.0
343948088332801	84-06-26	30	--	310	6.8	18.5	<1	120	0	.2	9.9
					TISHOMINGO						
344638088200103	84-06-28	45	10	152	6.4	17.0	5	49	11	.2	9.9
344638088200104	84-06-28	30	10	125	6.3	17.5	1	38	0	.2	9.9
345033088192201	84-06-26	--	--	82	5.2	17.5	1	21	0	.3	15
344849088120401	84-06-26	30	10	26	5.6	17.0	1	7	0	--	--
344834088111601	84-06-26	45	10	89	6.6	16.5	5	18	0	.2	9.9
344253088162802	84-05-23	30	10	74	5.3	17.0	5	11	0	<.1	--
344218088184302	84-06-28	45	10	90	5.8	17.0	5	30	4	.2	9.9
344053088161203	84-05-23	30	10	30	5.8	16.0	5	8	0	<.1	--
344017088180402	84-05-24	30	10	119	8.7	18.0	5	7	0	--	--
344017088180403	84-05-24	30	10	60	7.2	17.0	5	14	0	--	--

STATION NUMBER	DATE OF SAMPLE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
					PRENTISS						
344251088323001	84-06-27	37	5.6	6.7	11	.3	3.5	114	12	9.1	<.10
343948088332801	84-06-26	39	6.7	8.3	12	.3	3.8	126	15	10	.10
					TISHOMINGO						
344638088200103	84-06-28	15	2.7	3.9	14	.3	3.1	38	21	2.0	.20
344638088200104	84-06-28	11	2.5	6.8	26	.5	2.7	48	5.4	2.4	.30
345033088192201	84-06-26	5.7	1.6	2.1	17	.2	1.4	20	6.0	1.7	.20
344849088120401	84-06-26	1.7	.71	1.2	25	.2	.50	10	1.0	1.3	<.10
344834088111601	84-06-26	5.1	1.2	1.3	13	.1	1.4	17	5.3	1.4	.10
344253088162802	84-05-23	3.0	.92	3.0	33	.4	1.7	15	4.3	1.7	<.10
344218088184302	84-06-28	9.4	1.5	3.4	19	.3	1.7	26	14	1.4	<.10
344053088161203	84-05-23	1.7	.85	1.6	27	.3	1.4	8.0	3.7	1.2	<.10
344017088180402	84-05-24	2.6	.16	18	77	3	3.4	38	13	1.5	.20
344017088180403	84-05-24	3.3	1.3	2.5	26	.3	1.7	13	6.7	1.3	<.10

STATION NUMBER	DATE OF SAMPLE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
				PRENTISS					
344251088323001	84-06-27	15	163	160	<.100	320	110	100	93
343948088332801	84-06-26	11	214	170	<.100	340	300	160	160
				TISHOMINGO					
344638088200103	84-06-28	38	131	130	<.100	17000	17000	720	720
344638088200104	84-06-28	29	96	90	<.100	1600	990	350	360
345033088192201	84-06-26	9.2	78	57	<.100	16000	16000	980	970
344849088120401	84-06-26	8.4	34	21	.110	120	27	10	3
344834088111601	84-06-26	8.3	39	45	<.100	10000	9600	920	930
344253088162802	84-05-23	34	66	71	<.100	13000	13000	450	450
344218088184302	84-06-28	29	91	77	<.100	1100	1200	150	170
344053088161203	84-05-23	19	42	34	<.100	130	29	10	6
344017088180402	84-05-24	20	81	82	<.100	250	30	20	2
344017088180403	84-05-24	27	60	54	<.100	2700	2400	53	53

APPENDIX B

SURFACE-WATER DATA

APPENDIX B

SURFACE-WATER DATA

DESCRIPTIONS OF SITES

DESCRIPTIONS OF SITES

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	HYDRO-LOGIC UNIT CODE	DRAIN-AGE AREA (SQ. MI.)
	SURFACE-WATER NETWORK					
02429975	BLACK BRANCH AT PADEN, MS	34 39 53	088 16 11	00	03160101	1.45
02429985	SANDY HOOK CREEK NR PADEN, MS	34 38 16	088 17 06	00	03160101	1.25
02430100	MACKEYS CREEK NR MOORES MILL, MS	34 29 13	088 20 44	00	03160101	118
02431000	TOMBIGBEE RIVER NR FULTON, MS	34 15 53	088 26 42	00	03160101	612
02436500	TOWN CREEK NR NETTLETON, MS	34 03 32	088 37 40	00	03160102	620
02437000	TOMBIGBEE RIVER NR AMORY, MS	33 59 07	088 33 03	00	03160101	1930
02437500	TOMBIGBEE RIVER AT ABERDEEN, MS	34 49 14	088 31 07	00	03160101	2170
02437560	NICHOLS CREEK NR ABERDEEN, MS	33 48 53	088 29 20	00	03160101	24.1
02437600	JAMES CREEK AT ABERDEEN, MS	33 48 48	088 33 59	00	03160101	28.4
02439600	BUTTAHATCHEE RIVER NR KOLOLA SPRINGS, MS	33 40 24	088 25 45	00	03160103	855
02441000	TIBBEE CREEK NR TIBBEE, MS	33 32 17	088 38 00	00	03160104	926
02441400	TOMBIGBEE RIVER NR COLUMBUS, MS	33 29 40	088 27 40	00	03160101	4450
02443500	LUXAPALLILA CREEK NR COLUMBUS, MS	33 30 50	088 23 42	00	03160105	715
02444161	TOMBIGBEE RIVER BL ALICEVILLE LOCK AND DAM, AL	33 12 37	088 17 19	01	03160106	5750
02449000	TOMBIGBEE RIVER AT GAINESVILLE, AL	32 49 30	088 09 24	00	03160106	8700
03592708	LITTLE YELLOW CREEK NR HOLTS SPUR, MS	34 47 06	088 16 45	00	06030005	7.14
03592718	LITTLE YELLOW CREEK EAST NR BURNSVILLE, MS	34 50 01	088 17 08	00	06030005	24.7
03592824	TENN-TOM WATERWAY AT CROSS ROADS, MS	34 54 51	088 14 48	00	06030005	
	SITES SAMPLED BUT NOT IN THE SURFACE-WATER NETWORK					
02448000	NOXUBEE RIVER AT MACON, MS	33 06 08	088 33 40	00	03160108	768
02469762	TOMBIGBEE RIVER BL COFFEEVILLE LOCK AND DAM, AL	31 45 30	088 07 35	00	03160203	18500

APPENDIX B

SURFACE-WATER DATA

STAGE AND DISCHARGE RECORDS

02430100 MACKEYS CREEK NR MOORES MILL, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.27	3.00		---	3.74	4.04	3.61	5.19	2.88	2.38	2.35	2.19
2	3.09	3.22		---	3.53	3.88	3.56	6.50	2.83	2.34	2.40	2.18
3	2.86	3.26		---	3.74	3.72	5.86	11.10	2.78	2.34	2.46	2.11
4	2.57	3.01		---	3.62	3.64	4.68	7.88	3.20	2.31	2.36	2.09
5	2.74	3.04		---	3.45	4.80	4.15	6.46	2.86	2.33	2.40	2.04
6	2.97	2.92		---	3.32	4.59	3.93	5.75	2.67	2.41	2.39	2.06
7	3.01	2.94		---	3.27	4.13	3.72	5.85	2.68	2.30	2.88	2.03
8	3.18	3.02		---	3.26	3.91	---	10.92	2.67	2.26	2.70	1.96
9	3.27	2.69		---	3.26	3.69	---	8.12	2.62	2.26	2.29	2.12
10	3.30	2.79		---	4.67	3.64	---	6.18	2.56	2.22	2.24	2.17
11	3.44	3.02		---	4.17	3.63	3.46	4.63	2.58	2.16	2.30	1.96
12	3.61	3.09		---	4.11	3.59	3.44	4.17	2.57	2.27	2.23	2.01
13	4.41	3.10		---	5.21	4.10	3.44	3.91	2.54	2.31	2.55	1.96
14	3.86	3.14		---	4.29	3.81	3.28	3.69	2.51	2.36	2.63	1.85
15	---	4.31		---	3.97	3.60	3.20	3.46	2.56	2.25	2.35	1.85
16	3.74	3.53		---	4.00	3.55	3.23	3.32	2.55	2.25	2.29	2.65
17	---	3.42		---	3.83	4.80	3.23	3.27	2.52	2.55	2.24	2.76
18	---	3.22		---	3.67	4.75	4.16	---	2.59	3.34	2.18	2.54
19	---	3.15		---	3.63	4.21	4.55	---	2.59	2.83	2.15	2.52
20	---	5.05		---	3.49	4.48	4.23	---	2.43	2.52	2.12	2.45
21	---	3.59		---	3.42	4.11	4.12	---	2.41	2.39	2.32	2.10
22	---	3.26		---	3.41	3.83	6.69	---	2.40	2.29	2.22	1.89
23	---	5.90		---	4.00	3.69	5.12	---	2.47	2.23	2.19	1.81
24	---	5.90		---	3.61	3.65	4.61	---	2.97	2.23	2.11	1.86
25	---	3.77		4.16	3.45	3.81	4.40	---	2.58	2.23	2.12	1.90
26	---	3.32		3.96	3.40	3.60	4.37	---	2.47	2.32	2.08	2.10
27	3.56	4.69		3.81	5.93	3.53	4.55	---	2.44	2.48	2.09	1.95
28	2.56	5.98		3.77	5.07	5.47	7.15	---	2.41	2.66	2.10	1.72
29	2.50	---		3.71	4.32	4.35	7.04	4.49	2.56	2.31	2.69	2.06
30	2.66	---		3.53	---	3.89	5.85	3.10	2.49	2.28	2.58	2.07
31	2.82	---		3.38	---	3.71	---	2.96	---	2.43	2.18	---
MEAN	---	---		---	3.89	4.01	---	---	2.61	2.38	2.33	2.10
MAX	---	---		---	5.93	5.47	---	---	3.20	3.34	2.88	2.76
MIN	---	---		---	3.26	3.53	---	---	2.40	2.16	2.08	1.72

02430100 MACKEYS CREEK NR MOORES MILL, MS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	61	100	150	108	130	99	234	54	31	29	24
2	66	73	90	130	93	118	96	413	52	29	32	23
3	54	77	940	120	108	106	311	1170	50	29	34	21
4	39	61	900	110	99	100	185	579	75	28	30	20
5	47	63	600	105	88	198	139	380	53	29	32	18
6	59	56	500	96	79	177	122	294	44	32	32	19
7	62	58	450	94	76	138	106	318	45	28	60	18
8	71	62	430	90	76	120	100	1130	44	26	46	16
9	76	45	400	88	76	104	98	614	41	26	27	21
10	78	50	740	400	190	101	96	351	39	25	25	23
11	87	62	760	450	141	100	89	181	39	22	27	16
12	99	66	450	200	138	97	88	141	39	27	25	18
13	161	66	350	130	238	136	87	120	38	28	41	16
14	117	69	450	110	151	113	77	104	36	30	42	13
15	86	155	350	100	125	98	72	89	39	26	30	13
16	70	94	300	94	127	95	74	80	38	26	27	53
17	58	86	350	90	114	202	74	77	37	40	26	49
18	54	74	300	170	103	192	155	78	40	81	23	38
19	62	69	260	110	100	144	173	76	40	52	22	37
20	78	227	230	100	91	167	145	74	33	37	21	34
21	58	98	220	94	86	136	137	110	32	31	29	21
22	52	76	560	86	85	114	420	80	32	27	24	14
23	84	351	450	260	127	105	228	88	35	25	24	12
24	96	326	350	130	99	101	178	90	60	25	21	13
25	90	110	250	140	88	113	160	70	40	25	21	14
26	120	80	230	124	85	98	157	62	35	29	20	21
27	98	203	350	113	321	93	173	58	34	36	20	16
28	39	320	700	110	223	268	519	200	32	44	20	9.6
29	36	150	600	106	153	156	459	188	39	28	51	19
30	43	111	350	93	---	119	305	66	36	27	40	19
31	52	---	200	84	---	106	---	59	---	33	23	---
MEAN	73.2	113	426	138	124	130	171	244	41.7	31.7	29.8	21.6
MAX	161	351	940	450	321	268	519	1170	75	81	60	53
MIN	36	45	90	84	76	93	72	58	32	22	20	9.6
CFSM	.62	.96	3.63	1.17	1.06	1.11	1.46	2.08	.36	.27	.25	.18
IN.	.72	1.08	4.18	1.35	1.14	1.28	1.62	2.40	.40	.31	.29	.21

WTR YR 1984 MEAN 129 MAX 1170 MIN 9.6 CFSM 1.10 IN 14.97

03592718 LITTLE YELLOW CREEK EAST NR BURNSVILLE, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.96	---	7.78	8.16	7.77	8.28	8.06	9.06	7.33	7.22	7.07	6.96
2	6.97	---	8.67	8.17	7.75	8.16	8.13	14.17	7.28	7.09	7.10	6.90
3	6.99	---	17.29	8.09	8.26	8.03	10.02	15.50	7.24	7.04	7.10	6.98
4	6.98	---	15.06	8.06	7.99	7.97	8.85	11.83	7.22	7.02	7.12	7.29
5	7.00	---	10.12	8.07	7.82	9.76	8.50	9.94	7.19	7.10	7.22	7.29
6	6.97	---	10.18	8.09	7.68	9.25	8.33	9.22	7.16	7.80	7.14	7.25
7	6.97	---	8.87	7.98	7.63	8.52	7.98	9.73	7.16	8.17	7.13	7.23
8	7.03	---	8.46	7.90	7.65	8.25	7.92	15.01	7.16	8.04	7.06	6.91
9	6.96	---	8.24	7.88	7.69	8.03	8.56	10.48	7.12	7.29	7.62	6.87
10	6.95	---	8.21	10.06	8.84	7.99	8.11	9.30	7.10	7.14	7.92	7.22
11	7.00	---	9.70	9.23	8.26	7.98	7.94	8.67	7.09	7.07	7.26	7.33
12	7.52	---	8.81	8.45	8.50	8.01	7.82	8.32	7.10	7.05	7.12	7.28
13	8.45	---	8.33	8.31	9.53	8.57	7.79	8.14	7.08	7.04	7.08	7.25
14	7.37	---	10.23	8.12	8.43	8.13	7.67	7.93	7.06	7.02	7.04	7.25
15	7.17	---	8.78	8.05	8.14	7.97	7.62	7.74	7.05	7.01	7.09	6.91
16	7.12	---	8.28	8.07	8.19	7.90	7.68	7.65	7.04	7.27	7.07	6.85
17	7.11	---	8.17	7.94	8.03	9.09	7.66	7.58	7.03	8.20	7.04	7.10
18	7.23	---	8.14	8.30	7.91	9.09	7.59	7.53	7.01	8.35	7.01	7.06
19	7.26	---	7.99	8.07	7.88	8.40	7.64	7.49	7.00	7.30	7.01	7.16
20	---	---	7.88	8.05	7.81	9.66	8.13	7.48	6.99	7.14	6.99	7.23
21	---	---	8.04	8.05	7.76	8.68	8.02	7.71	7.35	7.08	7.02	7.25
22	---	---	9.49	7.95	7.78	8.26	13.39	7.60	7.82	7.05	7.08	6.89
23	---	---	8.33	8.04	8.32	8.05	9.56	7.55	7.49	7.02	7.32	6.82
24	---	---	8.12	10.11	7.93	8.11	8.75	7.48	7.54	7.00	7.30	7.16
25	---	---	8.12	8.88	7.78	8.32	8.23	7.39	7.19	7.01	6.97	7.31
26	---	---	8.12	8.37	7.75	8.02	8.01	7.52	7.09	7.06	6.91	7.24
27	---	---	8.08	8.24	10.72	8.07	8.04	7.83	7.06	8.01	7.22	7.26
28	---	---	12.94	8.08	9.29	10.83	15.94	8.17	7.07	7.51	7.30	7.03
29	---	8.13	10.05	7.99	8.57	9.17	11.38	7.60	7.39	7.16	7.29	6.78
30	---	7.94	9.89	7.92	---	8.52	10.21	7.44	7.24	7.09	7.27	6.79
31	---	---	9.25	7.78	---	8.44	---	7.38	---	7.08	7.27	---
MEAN	---	---	9.34	8.27	8.20	8.50	8.78	8.92	7.19	7.30	7.17	7.10
MAX	---	---	17.29	10.11	10.72	10.83	15.94	15.50	7.82	8.35	7.92	7.33
MIN	---	---	7.78	7.78	7.63	7.90	7.59	7.38	6.99	7.00	6.91	6.78

03592718 LITTLE YELLOW CREEK EAST NR BURNSVILLE, MS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	12	22	33	21	37	30	66	12	11	7.7	2.8
2	5.2	11	66	33	21	33	32	505	11	8.2	8.1	2.2
3	5.5	11	1390	31	37	29	116	582	9.7	7.5	8.0	2.9
4	5.4	90	982	30	28	27	58	231	9.3	7.2	8.4	6.4
5	5.7	75	121	30	23	102	45	110	8.9	8.8	10	6.2
6	5.3	60	124	31	19	75	39	73	8.5	26	8.7	5.6
7	5.2	45	58	27	18	46	28	119	8.5	48	8.5	5.2
8	6.2	38	43	25	18	36	26	537	8.5	33	7.3	1.8
9	5.2	32	36	25	19	29	47	141	7.9	12	23	1.5
10	5.0	28	35	128	60	28	32	77	7.7	9.2	28	5.2
11	5.6	24	102	75	36	28	26	51	7.6	8.0	10	6.3
12	17	19	57	43	49	29	23	38	7.8	7.6	7.7	6.0
13	44	16	39	38	90	47	22	32	7.4	7.4	6.8	5.8
14	12	60	128	32	42	32	19	26	7.1	7.1	6.1	6.2
15	8.1	96	55	30	32	27	18	21	7.1	6.9	6.6	2.4
16	7.3	60	37	30	34	25	19	18	6.9	12	6.1	2.1
17	7.2	52	33	26	29	75	19	17	6.7	50	5.6	5.9
18	9.3	46	32	38	25	68	17	16	6.5	45	5.1	4.8
19	9.6	60	28	30	25	41	18	15	6.4	12	4.8	5.9
20	9.1	110	25	30	23	97	33	14	6.3	9.1	4.6	6.9
21	8.3	60	30	30	21	51	30	20	16	8.0	4.9	7.5
22	50	60	87	27	22	37	374	17	25	7.6	5.5	3.0
23	80	410	39	31	39	30	90	16	17	7.0	9.3	2.3
24	55	190	32	120	26	32	54	14	18	6.7	8.6	7.0
25	40	60	32	59	22	39	35	12	9.7	6.8	3.7	9.0
26	34	100	32	40	21	29	28	16	8.0	7.6	3.0	7.9
27	30	180	31	36	157	31	29	24	7.6	34	7.0	8.6
28	20	60	324	31	77	164	1550	34	7.8	17	7.9	5.2
29	17	34	116	28	47	72	200	17	14	9.3	7.5	2.4
30	15	26	107	26	---	45	125	14	11	8.0	7.0	2.5
31	12	---	80	22	---	43	---	13	---	7.8	6.9	---
MEAN	17.6	70.8	139	39.2	37.3	47.9	106	93.1	9.86	14.7	8.14	4.92
MAX	80	410	1390	128	157	164	1550	582	25	50	28	9.0
MIN	5.0	11	22	22	18	25	17	12	6.3	6.7	3.0	1.5
CFSM	.71	2.87	5.63	1.59	1.51	1.94	4.29	3.77	.40	.60	.33	.20
IN.	.82	3.20	6.51	1.83	1.63	2.23	4.79	4.35	.45	.69	.38	.22

WTR YR 1984 MEAN 49.2 MAX 1550 MIN 1.5 CFSM 1.99 IN 27.10

03592824 TENN-TOM WATERWAY AT CROSS ROADS, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.62	9.83	9.15	11.66	9.02	9.20	12.17	14.67	13.75	13.10	12.06	12.04
2	10.58	9.71	8.96	11.19	8.70	9.14	12.45	14.58	13.57	12.94	12.24	12.08
3	10.54	9.61	10.17	10.86	8.85	9.23	12.19	17.27	13.51	13.09	12.70	11.79
4	10.42	9.66	13.76	10.88	9.00	9.15	11.83	17.70	13.58	13.30	12.34	11.86
5	10.39	9.74	13.82	10.59	8.88	9.23	12.02	17.65	13.43	13.46	11.85	11.76
6	10.49	9.83	12.58	10.12	8.91	9.20	12.34	17.02	13.60	13.63	12.16	11.60
7	10.91	9.85	11.61	9.76	8.80	9.34	12.58	16.86	13.89	13.32	12.29	11.67
8	11.11	9.82	10.47	9.35	8.68	9.22	12.53	17.53	14.07	13.09	12.15	11.96
9	11.12	9.81	9.40	9.33	8.64	9.39	12.51	17.99	13.75	13.14	12.03	11.69
10	11.00	9.54	9.29	9.21	8.70	9.27	13.12	17.98	13.37	12.95	12.20	11.64
11	10.87	9.77	9.32	8.88	8.79	9.18	13.24	17.74	13.15	13.12	12.08	11.58
12	10.64	10.02	9.31	9.57	8.89	9.07	13.17	17.92	13.22	13.36	12.12	11.62
13	10.59	10.11	8.98	10.34	8.94	8.86	13.12	17.80	13.43	13.59	12.13	11.48
14	10.63	9.99	9.06	10.39	9.02	9.19	13.03	17.18	13.60	13.54	11.85	11.51
15	10.55	9.97	9.13	9.88	9.00	9.20	13.22	16.74	13.68	13.21	11.84	11.65
16	10.43	9.99	8.96	9.50	8.92	9.19	13.41	16.70	13.50	13.00	12.13	11.52
17	10.34	10.06	9.09	8.94	9.02	9.28	13.48	16.23	13.03	13.28	11.77	11.47
18	10.39	9.92	9.13	8.89	9.30	9.16	13.48	15.64	12.86	13.44	11.71	11.46
19	10.21	9.94	9.07	8.99	8.63	9.09	13.57	14.46	12.94	13.35	11.64	11.36
20	10.15	9.91	9.05	9.12	8.72	9.17	13.49	13.81	13.09	13.14	11.69	11.34
21	10.17	9.93	9.43	9.17	8.95	9.44	13.35	13.63	13.32	12.74	11.70	11.31
22	10.25	9.63	9.41	9.13	8.96	9.47	13.64	13.82	13.53	12.45	11.84	11.33
23	10.27	9.59	10.24	9.34	8.89	9.81	14.54	13.56	13.69	12.44	12.06	11.34
24	10.29	9.30	10.44	9.36	8.63	9.84	14.31	13.84	13.15	12.63	11.79	11.22
25	10.16	9.15	10.81	9.03	8.52	9.99	14.11	13.79	12.96	12.86	11.42	11.32
26	10.05	9.38	11.12	8.86	8.89	10.30	13.85	13.94	13.10	13.00	11.28	11.25
27	10.01	9.14	10.94	9.09	8.92	10.45	13.78	14.14	13.30	13.06	11.40	11.04
28	9.99	9.05	10.99	9.36	8.43	10.59	14.40	14.14	13.60	12.58	11.55	10.93
29	9.78	9.41	11.88	9.58	8.95	10.51	15.74	13.86	13.47	12.19	11.77	10.95
30	9.71	9.30	12.07	9.47	---	11.06	15.58	13.83	13.44	12.08	11.96	10.82
31	9.87	---	11.93	9.38	---	11.64	---	13.79	---	12.14	12.05	---
MEAN	10.40	9.70	10.31	9.65	8.85	9.58	13.34	15.67	13.42	13.01	11.93	11.49
MAX	11.12	10.11	13.82	11.66	9.30	11.64	15.74	17.99	14.07	13.63	12.70	12.08
MIN	9.71	9.05	8.96	8.86	8.43	8.86	11.83	13.56	12.86	12.08	11.28	10.82

WTR YR 1984 MEAN 11.45 MAX 17.99 MIN 8.43

APPENDIX B

SURFACE-WATER DATA

WATER-QUALITY ANALYSES

02429975 - BLACK BRANCH AT PADEN, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
AUG 02...	1155	.38	81	6.4	19.5	8.0	88	<10	40	0	14	1.3

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)
AUG 02...	1.2	6	.0	1.2	41	3.3	1.8	68	.09	.07	<.10

DATE	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	SEDI-MENT, SUS-PENDED (MG/L)
AUG 02...	<.010	.40	.020	.020	1300	460	7	100	170	1.9	41

02429985 - SANDY HOOK CREEK NR PADEN, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
AUG 02...	1300	.54	27	6.0	18.0	9.1	97	<10	9	0	2.2	.83

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
AUG 02...	1.6	25	.2	1.1	10	2.6	2.6	34	.05	.05	<.10	<.010

DATE	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	SEDI-MENT, SUS-PENDED (MG/L)
AUG 02...	.40	.020	.010	560	120	35	3	40	<10	1.0	.9	20

02430100 - MACKEYS CREEK NR MOORES MILL, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)
NOV 14...	1010	68	125	6.9	12.5	6	3.6	10.3	97	<10
JAN 30...	1145	95	62	6.2	5.0	22	9.5	12.2	96	<10
APR 17...	1115	74	67	6.4	14.0	25	8.8	11.0	108	<10
JUL 10...	1410	25	90	6.6	27.0	5	6.0	7.1	90	14

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SODIUM, DIS-SOLVED (MG/L AS NA)	ALKA-LINITY LAB (MG/L AS CACO3)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)
NOV 14...	54	5.3	41	4.8	81	.11	15	.10	.380	2.5
JAN 30...	--	2.4	19	6.9	51	.07	13	.20	.010	.59
APR 17...	K36	3.0	19	5.5	--	--	--	<.10	.160	1.3
JUL 10...	K43	3.2	29	4.0	73	.10	4.9	<.10	.030	.57

DATE	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	PHENOLS TOTAL (UG/L)
NOV 14...	2.9	3.0	.080	.010	690	180	80	64	1.3	<1
JAN 30...	.60	.80	.030	.010	700	240	230	230	.7	<1
APR 17...	1.5	--	.020	.040	930	240	250	240	.1	<1
JUL 10...	.60	--	.020	.010	720	210	180	120	1.5	<1

02430100 - MACKEYS CREEK NR MOORES MILL, MS

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	PCB, TOTAL (UG/L)	NAPHTHALENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)
NOV 14...	<.1	<.10	<.010	<.1	<.010	<.010	<.010	<.01	<.010	<.010
JAN 30...	<.1	<.10	<.010	<.1	<.010	<.010	<.010	<.01	<.010	<.010
APR 17...	<.1	<.10	<.010	<.1	<.010	<.010	<.010	<.01	<.010	<.010
JUL 10...	<.1	<.10	<.010	<.1	<.010	<.010	<.010	<.01	<.010	<.010

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)
NOV 14...	<.010	<.01	<.010	<.010	<.010	<.01	<.01	<.01	<.01
JAN 30...	<.010	<.01	<.010	<.010	<.010	<.01	<.01	<.01	<.01
APR 17...	<.010	<.01	<.010	<.010	<.010	<.01	<.01	<.01	<.01
JUL 10...	<.010	<.01	<.010	<.010	<.010	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 14...	<.01	<.01	<.1	<1	<.01	.02	<.01	<.01	<.01
JAN 30...	<.01	<.01	<.1	<1	<.01	<.01	<.01	<.01	<.01
APR 17...	<.01	<.01	<.1	<1	<.01	<.01	<.01	<.01	<.01
JUL 10...	<.01	<.01	<.1	<1	<.01	<.01	<.01	<.01	<.01

02430100 - MACKEYS CREEK NR MOORES MILL, MS

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
OCT				
04...	0930	38	18	1.8
13...	0830	176	90	43
24...	0900	132	19	6.8
28...	0930	39	11	1.2
NOV				
03...	0945	83	16	3.6
14...	1010	68	10	1.8
21...	1000	91	38	9.3
FEB				
06...	1025	78	28	5.9
MAR				
26...	0930	100	66	18
APR				
02...	1030	95	55	14
11...	1000	87	29	6.8
17...	1115	74	26	5.2
25...	1050	159	64	27
MAY				
10...	1000	279	100	75
29...	1045	80	121	26
JUN				
11...	1030	39	36	3.8
28...	1000	30	46	3.7

02430100 MACKEYS CREEK NR MOORES MILL, MS

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), AUGUST 1983 TO JULY 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1							---	---	---	201	193	197
2							---	---	---	200	192	197
3							---	---	---	200	185	194
4							---	---	---	197	194	196
5							200	166	178	198	195	196
6							175	121	164	205	193	198
7							123	83	106	202	199	200
8							89	63	76	200	198	199
9							62	60	61	201	187	196
10							83	57	63	200	188	192
11							76	58	62	187	169	179
12							69	52	59	173	163	168
13							57	47	50	174	172	173
14							62	44	51	176	174	175
15							64	46	49	178	175	176
16							60	42	49	176	175	176
17							59	46	51	176	174	175
18							56	45	47	179	171	175
19							56	44	47	177	173	175
20							50	44	46	175	136	165
21							54	46	49	---	---	---
22							50	45	47	---	---	---
23							50	36	45	172	161	167
24							41	37	39	162	160	161
25							208	40	83	161	160	161
26							202	173	187	163	159	162
27							188	183	186	163	157	161
28							193	187	190	164	154	161
29							197	190	193	162	150	159
30							200	187	193	163	135	148
31							200	189	196	---	---	---
MONTH							208	36	95	205	135	178
YEAR	208	36	137									

02430100 MACKEYS CREEK NR MOORES MILL, MS

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), AUGUST 1983 TO JULY 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	163	161	162	128	123	125				---	---	---
2	161	160	161	131	126	129				---	---	---
3	161	137	152	131	121	129				---	---	---
4	149	145	146	121	97	111				---	---	---
5	155	149	152	108	98	104				---	---	---
6	162	149	157	114	109	111				---	---	---
7	165	156	162	118	115	116				---	---	---
8	169	163	166	117	85	109				---	---	---
9	172	167	170	102	80	88				---	---	---
10	170	167	169	101	85	92				---	---	---
11	168	161	165	114	103	110				---	---	---
12	160	137	154	118	114	116				---	---	---
13	124	84	104	119	117	118				---	---	---
14	127	118	124	118	90	115				---	---	---
15	128	123	126	119	71	88				---	---	---
16	125	123	124	115	99	108				---	---	---
17	126	121	124	128	116	122				---	---	---
18	125	122	123	125	121	123				---	---	---
19	125	122	124	123	108	120				71	52	59
20	131	124	127	106	59	68				67	61	64
21	133	128	130	86	69	77				61	59	60
22	133	121	129	97	85	92				69	58	61
23	120	111	116	91	41	61				75	56	64
24	128	121	124	60	50	54				51	41	48
25	130	128	129	72	61	66				52	49	50
26	132	129	130	80	71	76				53	51	52
27	131	126	129	81	47	62				54	52	53
28	127	110	118	---	---	---				74	54	61
29	112	105	108	---	---	---				68	60	63
30	119	110	114	---	---	---				60	58	60
31	124	118	121	---	---	---				61	59	60
MONTH	172	84	137	131	41	100				75	41	58

02430100 MACKEYS CREEK NR MOORES MILL, MS

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), AUGUST 1983 TO JULY 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	91	59	79	64	50	55	56	53	55	53	49	51
2	80	65	71	66	49	57	---	---	---	54	35	46
3	65	50	56	69	50	57	---	---	---	39	30	34
4	60	55	58	65	52	55	---	---	---	44	36	39
5	62	59	61	59	38	48	---	---	---	48	40	44
6	64	62	64	49	45	47	---	---	---	54	46	49
7	65	63	64	50	49	49	---	---	---	56	29	49
8	65	63	64	52	50	51	---	---	---	38	27	33
9	64	62	63	54	52	53	---	---	---	72	37	49
10	62	35	47	64	54	58	---	---	---	64	51	56
11	52	48	50	62	57	59	60	56	58	55	49	52
12	53	39	50	64	59	61	73	56	61	59	49	53
13	48	40	45	60	46	53	69	63	65	59	51	55
14	50	47	49	55	52	54	64	62	63	55	51	52
15	52	50	51	58	55	56	64	62	63	58	55	57
16	52	48	50	84	57	74	67	62	64	61	58	60
17	54	50	53	83	52	71	66	61	63	62	59	60
18	56	54	55	65	53	57	119	62	86	65	61	63
19	62	55	56	66	59	63	102	65	79	64	60	63
20	64	57	60	72	61	66	64	62	63	74	60	66
21	65	58	60	77	65	70	63	62	63	69	56	61
22	65	57	62	88	77	82	61	33	43	77	58	69
23	58	48	52	107	89	97	53	47	49	68	62	65
24	65	54	58	114	51	85	57	52	54	71	64	68
25	68	59	62	54	50	53	60	56	58	73	69	71
26	72	59	64	70	54	56	63	59	61	76	68	73
27	60	37	45	56	51	55	61	55	58	73	55	65
28	64	44	49	60	34	47	62	29	44	75	37	52
29	65	48	56	50	47	48	41	37	39	62	55	59
30	---	---	---	52	50	51	48	39	42	67	61	65
31	---	---	---	54	52	53	---	---	---	70	67	69
MONTH	91	35	57	114	34	59	119	29	59	77	27	56

02430100 MACKEYS CREEK NR MOORES MILL, MS

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), AUGUST 1983 TO JULY 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	72	69	71	86	52	82						
2	74	71	73	46	42	44						
3	76	73	75	49	46	47						
4	110	74	89	52	49	50						
5	97	80	88	56	53	55						
6	81	78	80	59	56	57						
7	85	78	82	64	59	61						
8	84	80	83	66	63	65						
9	84	80	82	---	---	---						
10	89	80	83	---	---	---						
11	93	82	86	---	---	---						
12	97	86	89	---	---	---						
13	94	87	89	---	---	---						
14	92	87	89	---	---	---						
15	90	80	86	---	---	---						
16	84	80	82	---	---	---						
17	84	80	83	---	---	---						
18	105	81	88	---	---	---						
19	98	87	95	---	---	---						
20	88	81	86	---	---	---						
21	108	75	81	---	---	---						
22	86	80	82	---	---	---						
23	---	---	---	---	---	---						
24	---	---	---	---	---	---						
25	---	---	---	---	---	---						
26	---	---	---	---	---	---						
27	---	---	---	---	---	---						
28	---	---	---	---	---	---						
29	95	85	88	---	---	---						
30	86	83	85	---	---	---						
31	---	---	---	---	---	---						
MONTH	110	69	84	86	42	58						
YEAR	172	27	77									

02430100 MACKEYS CREEK NR MOORES MILL, MS

PH (STANDARD UNITS), AUGUST 1983 TO JULY 1984

DAY	APRIL MAX	APRIL MIN	MAY MAX	MAY MIN	JUNE MAX	JUNE MIN	JULY MAX	JULY MIN	AUGUST MAX	AUGUST MIN	SEPTEMBER MAX	SEPTEMBER MIN
1												
2									---	---	7.0	6.9
3									---	---	7.1	6.9
4									---	---	7.1	7.0
5									---	---	7.1	7.0
									---	---	7.0	6.9
6												
7									---	---	6.9	6.8
8									---	---	6.9	6.8
9									---	---	7.1	6.9
10									---	---	7.1	6.9
									---	---	6.9	6.8
11												
12									---	---	6.9	6.9
13									---	---	7.0	6.9
14									---	---	7.0	6.9
15									---	---	7.0	6.9
									---	---	7.0	7.0
16												
17									---	---	7.0	6.9
18									---	---	7.1	7.0
19									---	---	7.1	7.0
20									---	---	7.1	7.0
									---	---	7.1	6.9
21												
22									---	---	6.9	6.7
23									---	---	7.0	6.7
24									---	---	7.0	7.0
25									6.4	5.9	7.0	7.0
									6.7	6.0	7.0	7.0
26												
27									6.6	6.3	7.1	7.0
28									6.8	6.6	7.1	7.0
29									6.9	6.7	7.1	7.1
30									7.0	6.9	7.1	7.0
31									6.9	6.9	7.0	6.9
									7.0	6.9	---	---
MONTH									7.0	5.9	7.1	6.7
YEAR	7.1	5.9										

02430100 MACKEYS CREEK NR MOORES MILL, MS

PH (STANDARD UNITS), AUGUST 1983 TO JULY 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.0	7.0					---	---	6.8	6.4	6.1	6.1
2	7.0	7.0					---	---	6.8	6.5	6.1	6.1
3	7.0	6.9					---	---	6.6	6.4	6.1	6.1
4	7.0	6.9					---	---	6.6	6.5	6.1	6.0
5	7.1	6.9					---	---	6.6	6.5	6.2	6.0
6	7.0	6.9					---	---	6.6	6.6	6.2	6.2
7	6.9	6.9					---	---	6.6	6.5	6.3	6.2
8	7.0	6.9					---	---	6.6	6.6	6.3	6.3
9	7.0	6.8					---	---	6.5	6.5	6.3	6.2
10	6.8	6.7					---	---	6.5	6.0	6.3	6.3
11	6.8	6.7					---	---	6.4	6.3	6.4	6.3
12	6.9	6.8					---	---	6.4	6.1	6.3	6.2
13	6.8	6.5					---	---	6.2	6.0	6.2	6.1
14	6.9	6.8					---	---	6.2	6.1	6.2	6.1
15	6.9	6.8					---	---	6.2	6.2	6.2	6.1
16	6.9	6.8					---	---	6.1	5.8	6.2	6.1
17	6.9	6.8					---	---	6.2	6.1	6.1	6.0
18	6.9	6.8					---	---	6.2	6.2	6.1	6.0
19	6.8	6.7					6.5	6.2	6.3	6.2	6.1	6.1
20	6.8	6.7					6.5	6.4	6.3	6.2	6.2	6.2
21	6.8	6.7					6.4	6.3	6.3	6.2	6.2	6.2
22	6.8	6.7					6.4	6.4	6.3	6.2	6.2	6.2
23	6.8	6.7					6.6	6.4	6.2	6.1	6.2	6.1
24	6.8	6.8					6.3	6.0	6.2	6.1	6.4	6.1
25	6.9	6.8					6.3	6.2	6.2	6.2	6.5	6.2
26	7.0	6.9					6.3	6.2	6.2	6.2	6.2	6.1
27	7.0	6.9					6.3	6.3	6.2	5.7	6.3	6.1
28	---	---					6.6	6.3	6.1	5.9	6.3	6.2
29	---	---					6.5	6.4	6.1	6.0	6.4	6.3
30	---	---					6.5	6.4	---	---	6.3	6.3
31	---	---					6.4	6.4	---	---	6.4	6.3
MONTH	7.1	6.5					6.6	6.0	6.8	5.7	6.5	6.0

02430100 MACKEYS CREEK NR MOORES MILL, MS

PH (STANDARD UNITS), AUGUST 1983 TO JULY 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.4	6.3	6.3	6.2	6.5	6.5	6.5	6.5				
2	---	---	6.3	5.6	6.5	6.5	6.5	6.4				
3	---	---	5.7	5.3	6.5	6.5	6.5	6.4				
4	---	---	5.9	5.7	6.5	6.5	6.5	6.4				
5	---	---	6.0	5.9	6.5	6.5	6.4	6.4				
6	---	---	6.2	6.0	6.5	6.5	6.4	6.4				
7	---	---	6.2	5.7	6.5	6.4	6.4	6.4				
8	---	---	5.7	5.4	6.5	6.4	6.4	6.4				
9	---	---	6.4	5.7	6.5	6.4	---	---				
10	---	---	6.2	6.0	6.5	6.4	---	---				
11	---	---	6.1	6.0	6.5	6.4	---	---				
12	---	---	6.1	5.7	6.5	6.4	---	---				
13	---	---	5.7	5.5	6.5	6.4	---	---				
14	---	---	6.0	5.5	6.5	6.4	---	---				
15	---	---	6.3	6.1	6.5	6.4	---	---				
16	---	---	6.5	6.3	6.5	6.4	---	---				
17	---	---	---	---	6.5	6.4	---	---				
18	---	---	---	---	6.5	6.5	---	---				
19	---	---	---	---	6.5	6.5	---	---				
20	---	---	---	---	6.5	6.4	---	---				
21	---	---	---	---	6.5	6.5	---	---				
22	---	---	---	---	6.5	6.5	---	---				
23	---	---	---	---	6.5	6.5	---	---				
24	---	---	---	---	6.6	6.5	---	---				
25	---	---	---	---	6.6	6.5	---	---				
26	6.4	6.3	---	---	6.6	6.5	---	---				
27	6.4	6.3	---	---	6.6	6.5	---	---				
28	6.4	5.4	---	---	6.7	6.4	---	---				
29	6.0	5.7	---	---	6.5	6.5	---	---				
30	6.2	5.9	---	---	6.5	6.5	---	---				
31	---	---	---	---	---	---	---	---				
MONTH	6.4	5.4	6.5	5.3	6.7	6.4	6.5	6.4				
YEAR	7.1	5.3										

02430100 MACKEYS CREEK NR MOORES MILL, MS

TEMPERATURE, WATER (DEG. C), AUGUST 1983 TO JULY 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1							---	---	---	29.5	27.5	28.5
2							---	---	---	29.0	27.5	28.5
3							---	---	---	28.5	26.5	27.5
4							---	---	---	28.5	26.5	27.5
5							30.0	27.0	28.5	27.5	26.5	27.0
6							30.0	27.5	28.5	27.5	26.5	27.0
7							28.0	26.0	27.0	27.5	26.5	27.0
8							27.0	25.5	26.5	28.5	26.0	27.0
9							27.5	25.5	26.5	28.0	26.0	27.0
10							27.5	26.0	26.5	28.5	26.5	27.0
11							27.5	26.0	27.0	28.5	26.5	27.5
12							27.5	26.0	26.5	27.5	26.0	26.5
13							26.0	24.0	25.0	27.5	26.0	26.5
14							25.5	23.5	24.5	26.5	24.5	25.5
15							25.5	24.0	25.0	26.0	23.5	24.5
16							25.5	23.5	24.5	26.0	23.5	24.5
17							25.5	24.0	25.0	26.5	24.0	25.0
18							26.0	24.0	25.0	26.5	24.5	25.0
19							25.5	24.0	25.0	26.0	24.5	25.0
20							25.5	24.0	25.0	25.0	24.0	24.5
21							26.5	25.0	25.5	23.5	21.5	22.5
22							27.0	25.5	26.5	23.0	19.0	20.5
23							27.0	25.5	26.5	22.5	21.5	22.0
24							27.0	25.5	26.0	22.0	20.0	21.0
25							30.5	25.0	27.5	21.5	19.5	20.5
26							30.5	29.0	30.0	22.0	20.0	21.0
27							31.0	29.5	30.0	22.5	20.0	21.0
28							31.5	29.0	30.0	23.0	20.5	21.5
29							31.5	29.0	30.0	22.5	20.0	21.5
30							30.5	28.5	29.5	23.0	19.5	21.0
31							29.5	28.5	28.5	---	---	---
MONTH							31.5	23.5	27.0	29.5	19.0	24.5
YEAR	31.5	19.0	25.5									

02430100 MACKEYS CREEK NR MOORES MILL, MS

TEMPERATURE, WATER (DEG. C), AUGUST 1983 TO JULY 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.5	20.0	21.0	18.5	16.0	17.0				---	---	---
2	22.5	20.0	21.0	18.5	17.0	17.5				---	---	---
3	22.5	20.0	21.0	19.0	17.0	18.0				---	---	---
4	22.5	20.0	21.0	17.5	16.0	17.5				---	---	---
5	22.5	21.5	22.0	16.0	14.5	15.5				---	---	---
6	22.5	20.0	21.5	15.5	13.5	14.5				---	---	---
7	22.5	20.5	21.5	15.5	15.0	15.0				---	---	---
8	22.5	20.0	21.0	16.0	14.0	15.0				---	---	---
9	22.5	21.0	21.5	15.5	14.0	15.0				---	---	---
10	22.5	20.5	21.5	15.5	13.0	14.0				---	---	---
11	21.5	21.0	21.0	13.0	12.5	13.0				---	---	---
12	21.5	20.0	21.0	13.0	11.5	12.0				---	---	---
13	19.5	18.5	19.0	13.5	12.0	12.5				---	---	---
14	20.0	18.0	19.0	13.5	12.0	12.5				---	---	---
15	20.0	18.0	19.0	13.5	12.0	13.0				---	---	---
16	20.5	18.5	19.5	13.0	11.5	12.5				---	---	---
17	20.0	19.5	20.0	13.0	11.0	12.0				---	---	---
18	20.0	19.5	20.0	13.0	11.5	12.5				---	---	---
19	20.5	19.5	20.0	14.5	13.0	14.0				3.5	2.0	2.5
20	20.5	19.5	20.0	14.0	12.5	13.5				2.5	1.5	2.0
21	20.0	20.0	20.0	13.0	11.5	12.5				2.0	1.0	1.5
22	20.0	19.0	19.5	14.0	12.0	13.0				2.5	.5	1.5
23	19.0	18.5	18.5	16.0	14.0	14.5				3.0	2.0	2.5
24	18.5	18.0	18.5	15.5	12.5	14.0				4.0	3.0	3.5
25	18.0	17.5	18.0	12.0	11.0	11.5				5.0	4.0	4.5
26	18.0	16.5	17.0	11.5	10.0	11.0				5.0	4.0	4.5
27	17.5	16.5	17.0	12.5	11.5	12.0				5.5	4.0	5.0
28	17.0	15.0	16.0	---	---	---				5.0	4.5	5.0
29	17.0	14.5	15.5	---	---	---				6.0	4.0	5.0
30	18.0	15.5	17.0	---	---	---				5.5	5.0	5.5
31	18.0	16.0	17.0	---	---	---				5.0	4.0	4.5
MONTH	22.5	14.5	19.5	19.0	10.0	14.0				6.0	.5	3.5

02430100 MACKEYS CREEK NR MOORES MILL, MS

TEMPERATURE, WATER (DEG. C), AUGUST 1983 TO JULY 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.0	4.0	4.5	7.0	5.0	6.0	14.0	11.0	12.5	19.0	17.0	18.0
2	6.5	4.5	5.5	8.0	6.0	7.0	---	---	---	17.5	16.5	17.0
3	7.5	6.5	7.0	10.0	7.5	8.5	---	---	---	17.0	16.0	16.5
4	7.5	6.5	7.0	11.0	9.0	10.0	---	---	---	18.0	16.0	17.0
5	6.5	4.5	6.0	10.5	10.0	10.5	---	---	---	18.5	16.5	17.0
6	4.5	3.5	4.0	9.5	8.5	9.0	---	---	---	19.0	17.0	18.0
7	5.0	2.5	4.0	9.0	7.5	8.5	---	---	---	20.0	19.0	19.5
8	5.5	3.0	4.5	10.0	8.0	8.5	---	---	---	19.0	17.0	17.5
9	6.0	3.5	5.0	9.0	7.0	8.0	---	---	---	18.5	16.0	17.0
10	8.0	6.0	7.0	8.0	7.0	7.5	---	---	---	17.5	15.5	16.5
11	10.5	8.0	9.0	9.5	6.5	8.0	16.5	14.5	16.0	18.5	16.5	17.5
12	11.0	10.0	10.5	8.5	8.0	8.0	17.0	14.5	15.5	19.5	18.0	18.5
13	11.5	10.5	11.0	10.5	8.5	9.0	18.0	15.0	16.5	21.0	19.0	20.0
14	11.0	9.5	10.0	12.0	9.0	10.5	17.5	15.0	16.0	22.5	20.0	21.0
15	10.5	9.0	10.0	13.5	11.0	12.5	15.5	14.5	15.0	21.5	19.5	20.5
16	11.5	10.0	10.5	14.5	13.0	13.5	15.0	13.5	14.5	20.5	18.0	19.5
17	11.0	9.5	10.5	14.0	13.0	13.5	15.0	13.5	14.0	21.0	18.0	19.0
18	11.5	9.5	10.5	15.5	13.5	14.5	16.0	12.5	14.0	20.0	18.5	19.0
19	12.0	11.5	11.5	15.5	14.5	15.0	16.0	13.5	14.5	19.5	18.5	19.0
20	11.0	10.0	10.5	15.0	12.0	13.5	16.0	15.0	15.5	19.5	19.0	19.0
21	11.5	9.5	10.5	12.0	11.0	11.5	17.5	15.0	16.5	19.0	18.5	19.0
22	10.0	9.0	9.5	12.5	10.5	11.5	18.0	17.0	17.5	20.5	19.0	19.5
23	10.5	9.0	9.5	14.5	11.5	13.0	17.0	15.0	16.0	21.0	20.0	20.5
24	10.5	9.5	10.0	13.5	12.5	13.0	16.5	14.0	15.5	21.5	19.5	20.5
25	10.5	8.5	9.5	13.0	12.0	12.5	17.5	15.0	16.5	21.5	20.5	21.0
26	11.0	8.5	9.5	14.0	11.5	12.5	17.0	16.0	16.5	22.0	21.0	21.0
27	10.0	9.0	9.5	14.5	12.5	13.5	18.0	16.5	17.0	22.0	21.5	21.5
28	8.5	7.0	7.5	14.0	13.0	13.5	18.5	17.5	18.0	22.5	21.0	21.5
29	6.5	6.0	6.0	14.0	12.0	13.0	18.5	17.5	17.5	22.5	20.5	21.0
30	---	---	---	14.5	11.5	13.0	19.5	17.5	18.5	20.0	18.5	19.0
31	---	---	---	13.0	11.5	12.5	---	---	---	20.5	17.5	18.5
MONTH	12.0	2.5	8.5	15.5	5.0	11.0	19.5	11.0	16.0	22.5	15.5	19.0

02430100 MACKEYS CREEK NR MOORES MILL, MS

TEMPERATURE, WATER (DEG. C), AUGUST 1983 TO JULY 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.5	18.0	19.5	25.5	23.5	24.5						
2	21.5	18.5	20.0	25.0	24.0	24.5						
3	22.5	19.5	21.0	26.0	24.0	24.5						
4	22.5	20.5	21.5	26.0	24.0	25.0						
5	23.5	21.0	22.0	25.5	24.5	25.0						
6	23.0	21.5	22.5	25.5	24.0	24.5						
7	23.5	22.0	22.5	25.5	24.5	25.0						
8	24.5	22.0	23.0	25.0	24.0	24.5						
9	24.5	22.0	23.5	---	---	---						
10	25.0	22.5	23.5	---	---	---						
11	26.0	23.5	24.5	---	---	---						
12	26.5	23.5	25.0	---	---	---						
13	27.0	24.5	25.5	---	---	---						
14	27.5	24.5	26.0	---	---	---						
15	27.5	25.5	26.5	---	---	---						
16	26.5	25.0	25.5	---	---	---						
17	26.5	24.0	25.0	---	---	---						
18	27.0	24.0	25.5	---	---	---						
19	27.5	25.0	26.0	---	---	---						
20	27.0	25.0	26.0	---	---	---						
21	26.5	25.5	26.0	---	---	---						
22	26.5	25.0	26.0	---	---	---						
23	26.5	25.0	25.5	---	---	---						
24	26.5	24.0	25.0	---	---	---						
25	26.5	24.5	25.5	---	---	---						
26	26.5	24.0	25.0	---	---	---						
27	27.0	24.0	25.5	---	---	---						
28	27.0	24.5	25.5	---	---	---						
29	26.5	24.0	25.0	---	---	---						
30	27.0	24.5	25.5	---	---	---						
31	---	---	---	---	---	---						
MONTH	27.5	18.0	24.5	26.0	23.5	24.5						
YEAR	27.5	.5	15.5									

02430100 MACKEYS CREEK NR MOORES MILL, MS

OXYGEN, DISSOLVED (DO), MG/L, SEPTEMBER 1983 TO JULY 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1												
2										---	---	---
3										---	---	---
4										---	---	---
5										---	---	---
6										---	---	---
7										---	---	---
8										---	---	---
9										---	---	---
10										---	---	---
11										---	---	---
12										---	---	---
13										---	---	---
14										---	---	---
15										---	---	---
16										---	---	---
17										---	---	---
18										---	---	---
19										---	---	---
20										---	---	---
21										---	---	---
22										---	---	---
23										---	---	---
24										---	---	---
25										---	---	---
26										8.6	8.2	8.4
27										8.6	8.1	8.4
28										8.5	8.1	8.3
29										8.4	7.9	8.2
30										8.3	7.9	8.1
31										---	---	---
MONTH										8.6	7.9	8.3
YEAR	8.6	7.9	8.3									

02430100 MACKEYS CREEK NR MOORES MILL, MS

OXYGEN, DISSOLVED (DO), MG/L, SEPTEMBER 1983 TO JULY 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.3	7.9	8.1	9.3	9.0	9.2				---	---	---
2	8.2	7.6	8.0	9.3	8.9	9.1				---	---	---
3	7.9	7.3	7.7	9.4	9.0	9.2				---	---	---
4	8.3	7.5	7.9	9.4	9.1	9.2				---	---	---
5	8.1	7.8	8.0	9.9	9.5	9.7				---	---	---
6	8.3	7.8	8.1	10.2	9.8	10.0				---	---	---
7	8.0	7.7	7.9	9.9	9.7	9.8				---	---	---
8	8.1	7.8	7.9	10.0	9.4	9.7				---	---	---
9	7.9	7.7	7.8	9.8	9.3	9.6				---	---	---
10	7.8	7.5	7.7	9.8	9.3	9.6				---	---	---
11	---	---	---	10.1	9.8	10.0				---	---	---
12	---	---	---	10.5	10.1	10.3				---	---	---
13	8.1	8.0	8.1	10.4	10.1	10.2				---	---	---
14	8.2	8.0	8.1	10.3	9.9	10.1				---	---	---
15	8.2	7.9	8.1	9.9	9.5	9.7				---	---	---
16	8.0	7.7	7.9	10.2	9.8	10.0				---	---	---
17	7.9	7.6	7.8	10.5	10.1	10.3				---	---	---
18	7.9	7.3	7.6	10.4	10.0	10.2				---	---	---
19	7.5	7.1	7.3	10.0	9.6	9.9				14.0	13.4	13.8
20	7.5	6.8	7.2	9.5	8.7	9.1				14.2	14.0	14.1
21	7.3	6.5	6.9	9.6	9.2	9.4				14.5	14.2	14.3
22	7.2	6.7	6.9	9.4	9.0	9.2				14.5	14.0	14.3
23	7.4	7.1	7.3	---	---	---				14.0	13.5	13.8
24	7.7	7.3	7.5	---	---	---				13.4	12.8	13.2
25	7.8	7.4	7.6	---	---	---				13.0	12.9	13.0
26	8.1	7.8	8.0	---	---	---				13.0	12.7	12.9
27	8.3	8.1	8.2	---	---	---				12.8	12.6	12.7
28	9.0	8.2	8.6	---	---	---				12.7	12.5	12.6
29	9.2	8.6	8.9	---	---	---				12.7	12.3	12.5
30	9.1	8.7	8.9	---	---	---				12.6	12.3	12.4
31	9.2	8.9	9.1	---	---	---				12.9	12.6	12.7
MONTH	9.2	6.5	7.9	10.5	8.7	9.7				14.5	12.3	13.3

02430100 MACKEYS CREEK NR MOORES MILL, MS

OXYGEN, DISSOLVED (DO), MG/L, SEPTEMBER 1983 TO JULY 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	12.9	12.6	12.7	12.1	11.6	11.9	10.1	9.6	9.9	9.6	9.0	9.3
2	12.7	12.2	12.5	11.8	11.3	11.6	---	---	---	9.3	8.2	9.0
3	12.2	11.8	12.0	11.6	11.3	11.4	---	---	---	9.2	8.8	8.9
4	12.1	11.9	12.0	11.3	10.8	11.2	---	---	---	9.1	8.8	8.9
5	12.4	11.9	12.1	11.0	10.8	10.9	---	---	---	9.0	8.7	8.9
6	13.0	12.5	12.7	11.5	11.0	11.3	---	---	---	8.7	8.2	8.5
7	13.1	12.8	12.9	11.8	11.4	11.6	---	---	---	8.3	8.0	8.2
8	13.0	12.6	12.8	11.8	11.5	11.6	---	---	---	8.4	8.1	8.3
9	12.9	12.3	12.7	12.2	11.6	11.9	---	---	---	8.5	8.2	8.4
10	12.3	11.7	12.1	12.2	11.9	12.0	---	---	---	---	---	---
11	11.7	11.0	11.4	12.3	11.7	12.1	9.7	9.1	9.4	---	---	---
12	11.1	10.8	11.0	12.0	11.7	11.8	9.5	8.7	9.1	---	---	---
13	11.0	10.7	10.8	12.0	11.5	11.8	9.7	9.1	9.4	---	---	---
14	11.3	10.9	11.1	11.9	11.2	11.6	10.1	9.3	9.7	---	---	---
15	11.5	11.1	11.2	11.5	10.7	11.2	10.4	10.0	10.2	---	---	---
16	11.1	10.5	10.9	11.0	10.6	10.7	11.0	10.5	10.7	---	---	---
17	11.3	10.9	11.0	10.8	10.5	10.7	11.2	10.7	10.8	9.2	8.6	8.8
18	11.2	10.7	11.0	10.9	10.3	10.7	11.1	9.9	10.7	8.7	7.6	8.1
19	11.0	10.6	10.7	10.5	10.1	10.3	10.9	10.6	10.7	---	---	---
20	11.1	10.7	10.9	10.7	10.2	10.5	10.7	10.4	10.6	---	---	---
21	11.1	10.7	10.9	11.2	10.6	10.9	10.4	9.6	10.1	---	---	---
22	11.1	10.8	10.9	11.4	10.9	11.1	9.6	8.8	9.2	---	---	---
23	11.2	10.7	10.9	11.4	10.7	11.0	9.8	9.2	9.5	---	---	---
24	11.0	10.7	10.9	10.8	10.2	10.5	10.0	9.7	9.8	---	---	---
25	11.3	10.8	11.0	10.5	10.2	10.4	9.9	9.4	9.7	---	---	---
26	11.2	10.7	10.9	10.7	10.1	10.3	9.7	9.4	9.6	---	---	---
27	10.7	10.6	10.7	10.3	9.8	10.0	9.5	9.3	9.4	---	---	---
28	11.5	10.8	11.2	9.7	9.2	9.5	9.3	8.2	8.8	---	---	---
29	12.0	11.5	11.8	9.9	9.5	9.7	9.0	8.6	8.8	8.8	8.2	8.6
30	---	---	---	10.2	9.7	9.9	9.4	9.1	9.3	9.2	8.8	9.0
31	---	---	---	10.1	9.7	9.9	---	---	---	9.4	8.9	9.1
MONTH	13.1	10.5	11.5	12.3	9.2	11.0	11.2	8.2	9.8	9.6	7.6	8.7

02430100 MACKEYS CREEK NR MOORES MILL, MS

OXYGEN, DISSOLVED (DO), MG/L, SEPTEMBER 1983 TO JULY 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.3	8.7	9.0	8.0	7.7	7.9						
2	9.2	8.6	8.9	8.1	7.7	7.9						
3	9.0	8.4	8.8	8.0	7.5	7.7						
4	8.8	8.2	8.6	7.9	7.4	7.7						
5	8.7	8.2	8.5	8.1	7.5	7.8						
6	8.5	8.1	8.3	8.1	7.3	7.7						
7	8.3	8.0	8.2	8.1	7.3	7.7						
8	8.3	7.7	8.1	---	---	---						
9	8.2	7.6	8.0	---	---	---						
10	8.1	7.5	7.8	---	---	---						
11	7.9	7.4	7.7	---	---	---						
12	7.7	7.2	7.6	---	---	---						
13	8.3	7.3	7.6	---	---	---						
14	---	---	---	---	---	---						
15	---	---	---	---	---	---						
16	---	---	---	---	---	---						
17	---	---	---	---	---	---						
18	---	---	---	---	---	---						
19	---	---	---	---	---	---						
20	---	---	---	---	---	---						
21	---	---	---	---	---	---						
22	---	---	---	---	---	---						
23	---	---	---	---	---	---						
24	---	---	---	---	---	---						
25	---	---	---	---	---	---						
26	---	---	---	---	---	---						
27	---	---	---	---	---	---						
28	---	---	---	---	---	---						
29	7.9	7.3	7.6	---	---	---						
30	7.9	7.7	7.8	---	---	---						
31	---	---	---	---	---	---						
MONTH	9.3	7.2	8.2	8.1	7.3	7.8						
YEAR	14.5	6.5	9.9									

02431000 - TOMBIGBEE RIVER NR FULTON, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
NOV										
28...	1300	2370	98	7.9	12.5	100	7.8	74	2.9	960
MAR										
12...	1330	828	86	5.4	10.0	16	9.9	88	2.1	180
JUN										
26...	0830	172	93	6.5	25.5	35	6.8	83	2.4	640
AUG										
28...	0740	66	83	6.6	25.5	30	9.1	112	1.6	K4100

DATE	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
NOV										
28...	33	.15	.050	.20	.160	.74	.90	1.1	.240	.050
MAR										
12...	25	--	.010	<.10	.020	.48	.50	--	.040	<.010
JUN										
26...	29	.08	.020	.10	.060	.34	.40	.50	.020	<.010
AUG										
28...	26	--	.010	<.10	.070	.53	.60	--	.030	.010

02436500 - TOWN CREEK NR NETTLETON, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
NOV										
28...	1500	1400	156	8.0	12.0	95	9.0	82	3.8	>1200
MAR										
12...	1515	509	70	6.6	12.0	19	9.2	86	2.0	720
AUG										
28...	0855	21	478	7.9	26.5	12	11.4	143	5.2	K160

DATE	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
NOV										
28...	60	.23	.070	.30	.170	.83	1.0	1.3	.300	.110
MAR										
12...	99	.09	.010	.10	.100	.50	.60	.70	.080	.030
AUG										
28...	131	2.0	.090	2.1	<.010	--	1.1	3.2	.710	.580

02436500 - TOWN CREEK NR NETTLETON, MS

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT				
27...	1035	69	37	--
NOV				
23...	0930	2600	1290	--
23...	1145	3780	1690	--
23...	1400	13600	2830	--
23...	1745	20400	1700	65
23...	2330	17700	1220	--
24...	0945	10400	535	--
DEC				
14...	1450	4810	558	--
JAN				
24...	1445	4420	1360	--
MAR				
13...	1300	631	154	--
APR				
24...	1145	1790	797	--
JUN				
12...	1630	68	57	--
AUG				
03...	1100	39	78	--
SEP				
04...	1330	29	77	--

02437000 - TOMBIGBEE RIVER NR AMORY, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
NOV										
28...	1415	7720	86	7.9	13.5	80	7.8	75	2.5	800
MAR										
12...	1430	3800	32	5.5	12.0	18	10.1	94	1.7	K120
JUN										
26...	0955	2900	112	6.6	27.0	15	7.2	91	2.9	K64
AUG										
28...	1015	2890	90	6.7	28.0	6.5	9.0	115	2.4	K14

DATE	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
NOV										
28...	30	.16	.040	.20	.110	1.3	1.4	1.6	.380	.050
MAR										
12...	34	.09	.010	.10	.040	.46	.50	.60	.060	<.010
JUN										
26...	39	--	<.010	<.10	.030	.37	.40	--	.040	<.010
AUG										
28...	34	--	<.010	<.10	.010	.49	.50	--	.030	<.010

02437500 - TOMBIGBEE RIVER AT ABERDEEN, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	ALKALINITY LAB (MG/L AS CACO3)
NOV 28...	1600	124	7.9	13.5	110	8.2	77	4.0	1200	48
MAR 12...	1645	131	6.4	10.0	28	10.8	96	1.5	210	43
JUN 26...	1115	120	6.7	29.0	5.1	7.8	102	1.8	<2	46
AUG 28...	1220	134	6.8	28.5	2.5	10.4	135	2.8	260	55

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
NOV 28...	.24	.060	.30	.110	.79	.90	1.2	.240	.120
MAR 12...	.18	.020	.20	.050	.45	.50	.70	.060	<.010
JUN 26...	--	<.010	<.10	.030	.47	.50	--	.010	<.010
AUG 28...	--	<.010	<.10	<.010	--	.40	--	<.010	<.010

02437560 - NICHOLS CREEK NR ABERDEEN, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)
NOV									
29...	0700	--	28	7.2	8.0	19	10.3	85	2.0
MAR									
12...	1715	--	22	6.8	10.5	10	9.6	86	1.1
AUG									
28...	1120	2.6	42	6.1	23.5	2.5	9.1	107	.8

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
NOV									
29...	250	9.0	.010	<.10	.080	.12	.20	.060	.040
MAR									
12...	K86	7.0	.010	<.10	.040	.26	.30	.010	<.010
AUG									
28...	120	15	<.010	<.10	<.010	--	.40	.010	<.010

02437600 - JAMES CREEK AT ABERDEEN, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	ALKALINITY LAB (MG/L AS CACO3)
NOV 28...	1630	125	7.9	12.5	65	8.8	81	2.5	540	49
MAR 12...	1600	385	6.4	11.0	25	11.3	103	1.6	K77	124

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
NOV 28...	.45	.050	.50	.120	.68	.80	1.3	.290	.130
MAR 12...	.27	.030	.30	.030	.57	.60	.90	.060	<.010

02439600 - BUTTAHATCHEE RIVER NR KOLOLA SPRINGS, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
NOV 29...	1000	2560	23	7.1	10.5	24	9.2	80	1.5	200
MAR 13...	0845	1600	20	6.6	10.0	10	9.6	85	1.8	K23
AUG 28...	1400	188	29	6.1	26.0	3.0	10.0	123	1.5	K62

DATE	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
NOV 29...	8.0	.08	.020	.10	.030	.57	.60	.70	.070	.030
MAR 13...	6.0	--	<.010	.10	.160	.34	.50	.60	<.010	<.010
AUG 28...	8.0	--	<.010	<.10	<.010	--	.20	--	<.010	<.010

02441000 - TIBBEE CREEK NR TIBBEE, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
NOV										
29...	1300	1820	148	7.4	10.5	60	8.5	74	2.3	680
MAR										
13...	1115	655	207	6.2	11.0	33	9.6	87	2.3	160
AUG										
28...	1650	--	246	7.0	26.5	3.0	6.1	76	2.3	K5

DATE	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
NOV										
29...	55	.08	.020	.10	<.010	--	1.0	1.1	.090	.100
MAR										
13...	66	--	.020	<.10	.030	.47	.50	--	.070	<.010
AUG										
28...	119	--	<.010	<.10	<.010	--	.60	--	.020	<.010

02441400 - TOMBIGBEE RIVER NR COLUMBUS, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
NOV										
29...	1200	15400	95	7.0	11.5	75	10.2	91	2.7	430
MAR										
13...	1030	6520	89	6.5	11.0	29	11.3	103	2.4	K2000
JUN										
26...	1235	624	113	7.2	31.5	9.6	8.3	113	1.6	K37
AUG										
28...	1540	629	144	7.7	30.0	1.0	12.0	159	2.4	K35

DATE	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
NOV										
29...	34	.15	.050	.20	.110	.49	.60	.80	.220	.080
MAR										
13...	26	.08	.020	.10	.030	.37	.40	.50	.060	<.010
JUN										
26...	39	--	<.010	<.10	.070	.13	.20	--	.020	<.010
AUG										
28...	47	--	<.010	<.10	<.010	--	.50	--	<.010	<.010

02441400 - TOMBIGBEE RIVER NR COLUMBUS, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)
NOV 29...	2600	110	150	80	.2	.2
JUN 26...	640	110	100	10	1.9	1.9
AUG 28...	410	20	60	10	<.1	<.1

02441400 - TOMBIGBEE RIVER NR COLUMBUS, MS

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	PCB, TOTAL (UG/L)	NAPHTHALENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)
NOV 29...	<.1	<.10	<.010	<.1	<.010	<.010	<.010	.01	<.010	<.010
JUN 26...	<.1	<.10	<.010	<.1	<.010	<.010	<.010	<.01	<.010	<.010
AUG 28...	<.1	<.10	<.010	<.1	<.010	<.010	<.010	<.01	<.010	<.010

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)
NOV 29...	<.010	<.01	<.010	<.010	<.010	<.01	<.01	<.01	<.01
JUN 26...	<.010	<.01	<.010	<.010	<.010	<.01	<.01	<.01	<.01
AUG 28...	<.010	<.01	<.010	<.010	<.010	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 29...	<.01	<.01	<.1	<1	<.01	.01	<.01	<.01	<.01
JUN 26...	<.01	<.01	<.1	<1	<.01	.07	<.01	.01	<.01
AUG 28...	<.01	<.01	<.1	<1	<.01	.03	<.01	<.01	<.01

02443500 - LUXAPALLILA CREEK NR COLUMBUS, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)
NOV									
29...	1100	2520	26	7.0	10.5	32	9.7	85	2.5
MAR									
13...	1000	1340	19	6.7	11.0	8.5	9.8	89	2.2
AUG									
28...	1450	143	30	6.1	26.0	2.0	9.7	120	1.2

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
NOV									
29...	>1200	8.0	.020	<.10	.060	.64	.70	.090	.030
MAR									
13...	K51	5.0	<.010	<.10	<.010	--	.40	.020	.030
AUG									
28...	K120	8.0	<.010	<.10	<.010	--	.30	<.010	<.010

02444161 - TOMBIGBEE RIVER BL ALICEVILLE LOCK AND DAM, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	ALKALINITY FIELD (MG/L AS CACO3)
OCT 14...	1100	162	7.2	21.5	5.7	7.8	88	--	30	38
FEB 09...	1050	87	7.1	7.0	24	13.1	--	--	300	20
JUN 11...	1120	91	7.4	27.0	17	7.5	--	3.4	K2	26
AUG 09...	1145	130	7.5	20.0	.70	8.8	--	1.1	--	39

DATE	ALKALINITY LAB (MG/L AS CACO3)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
OCT 14...	43	--	.040	<.10	.060	.64	.70	--	.040	.010
FEB 09...	24	.18	.020	.20	.080	.32	.40	.60	.080	.020
JUN 11...	31	--	.010	<.10	.040	.36	.40	--	.050	<.010
AUG 09...	40	--	--	--	--	--	--	--	--	--

02448000 - NOXUBEE RIVER AT MACON, MS

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT				
17...	1630	155	28	--
NOV				
29...	1630	2860	81	--
DEC				
03...	1145	3340	422	--
03...	1600	4360	149	--
05...	1100	6530	68	--
JAN				
12...	1445	3280	104	--
FEB				
24...	1200	660	67	--
APR				
02...	1430	1320	88	--
03...	1000	4460	502	--
03...	1600	5060	351	--
04...	1445	5110	152	94
04...	1600	5130	153	--
06...	0900	4090	93	--
07...	1030	4220	82	--
MAY				
14...	1430	750	100	--
JUN				
25...	1700	126	46	--
AUG				
07...	1700	762	434	--
SEP				
18...	1530	79	40	--

02449000 - TOMBIGBEE RIVER AT GAINESVILLE, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	ALKA-LINITY FIELD (MG/L AS CACO3)
OCT										
13...	0945	2050	130	7.5	23.0	11	8.5	99	170	39
DEC										
09...	1120	147000	56	6.9	12.0	90	8.0	74	230	--
FEB										
15...	0930	32000	118	7.2	11.5	95	10.8	--	K500	41
APR										
11...	0940	18000	77	6.9	15.0	21	9.8	98	260	--
JUN										
11...	1045	500	105	7.2	27.0	6.5	9.1	115	29	34
AUG										
06...	1015	1000	130	7.6	28.0	.50	8.4	107	38	42

DATE	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
OCT										
13...	41	--	.020	<.10	.080	.52	.60	--	.030	.020
DEC										
09...	21	--	--	--	--	--	.60	--	.120	.040
FEB										
15...	37	.16	.040	.20	.090	.81	.90	1.1	.080	.080
APR										
11...	29	--	--	--	--	--	.80	--	.130	.010
JUN										
11...	32	--	.010	<.10	.040	.46	.50	--	.020	<.010
AUG										
06...	43	.28	.020	.30	<.010	--	.50	.80	.030	.010

02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	170	140	116	100	63	35	114	90	111	106
2	---	---	165	140	100	97	62	43	122	88	106	103
3	---	---	167	142	---	---	61	57	109	84	103	99
4	---	---	164	140	---	---	62	59	111	76	99	96
5	---	---	158	140	---	---	67	35	111	84	116	95
6	---	---	158	140	---	---	66	35	104	83	111	95
7	---	---	158	140	---	---	71	35	100	87	108	103
8	---	---	154	140	---	---	73	65	92	83	103	93
9	---	---	152	145	61	36	78	67	103	86	93	88
10	---	---	152	140	61	36	95	68	114	89	88	83
11	---	---	156	140	61	36	127	92	128	96	84	81
12	---	---	150	140	73	42	127	103	131	96	85	81
13	---	---	156	145	79	74	122	95	137	96	89	85
14	---	---	148	140	78	74	113	95	134	102	89	86
15	---	---	150	138	74	65	95	87	120	98	87	82
16	---	---	155	140	78	74	88	86	119	97	83	77
17	140	130	147	137	80	76	90	87	114	112	85	75
18	145	137	154	142	81	79	110	88	111	103	92	80
19	148	138	156	145	79	74	104	93	103	102	98	89
20	152	142	154	142	76	72	103	86	104	101	112	91
21	157	140	165	140	74	64	95	88	106	103	124	110
22	157	140	158	140	90	72	107	93	104	97	123	115
23	156	147	158	135	78	72	112	106	105	96	117	113
24	157	150	172	140	89	74	132	95	100	94	115	112
25	157	152	152	137	106	89	129	105	98	92	127	113
26	157	152	145	130	106	94	113	95	105	89	117	113
27	158	154	145	100	101	97	110	103	112	90	127	108
28	157	148	136	100	115	95	103	99	115	100	129	107
29	170	140	117	102	109	86	99	85	111	101	111	102
30	167	140	118	100	89	73	96	86	---	---	112	103
31	164	140	---	---	72	55	104	91	---	---	114	106
MONTH	170	130	172	100	116	36	132	35	137	76	129	75

02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	114	108	93	80	101	86	113	104	128	118	134	130
2	108	101	81	79	104	89	120	104	126	116	133	127
3	122	102	95	78	106	90	114	102	128	117	138	130
4	115	96	94	89	109	91	115	101	125	114	140	130
5	108	100	95	91	109	93	116	102	122	112	142	133
6	99	90	91	80	111	93	111	99	152	112	142	131
7	90	84	79	73	107	94	114	100	131	110	146	132
8	99	83	78	73	114	96	179	112	131	120	141	133
9	108	92	79	75	107	95	141	113	137	115	136	130
10	91	86	92	80	112	98	143	116	142	119	133	129
11	87	72	92	86	119	99	134	109	146	124	130	128
12	72	69	85	80	118	100	131	109	156	121	134	129
13	70	65	83	79	123	103	118	103	144	127	135	131
14	77	65	85	82	116	107	131	101	143	118	135	131
15	75	68	86	81	119	106	131	102	139	126	137	129
16	87	65	86	80	130	108	125	102	147	127	137	131
17	84	66	89	76	124	105	120	102	145	127	142	134
18	85	68	91	76	128	105	125	104	144	125	141	135
19	88	67	98	77	121	105	116	103	142	122	143	136
20	92	70	101	73	121	104	118	103	136	122	141	134
21	112	89	96	76	118	113	120	107	146	121	137	133
22	97	83	95	73	116	101	117	107	147	126	138	133
23	111	88	97	76	113	99	124	115	139	121	138	134
24	114	110	108	77	135	97	121	110	142	127	138	135
25	113	109	99	80	134	99	123	116	138	122	138	134
26	111	108	106	81	124	98	121	115	136	123	140	136
27	119	102	104	81	121	98	124	117	136	130	142	135
28	118	103	107	80	115	100	122	112	139	131	138	135
29	102	92	85	79	109	97	129	118	142	129	141	136
30	94	91	89	81	117	101	145	130	136	127	140	137
31	---	---	91	83	---	---	134	122	132	126	---	---
MONTH	122	65	108	73	135	86	179	99	156	110	146	127
YEAR	179	35										

02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	20.0	18.5	10.0	10.0	.5	.0	5.5	5.5	10.0	9.5
2	---	---	20.0	19.0	11.0	10.0	.5	.5	6.0	5.0	9.5	9.0
3	---	---	20.0	19.0	---	---	1.0	.5	6.5	5.0	9.0	8.5
4	---	---	20.0	19.0	---	---	1.0	.0	7.0	5.0	9.0	8.5
5	---	---	19.5	18.5	---	---	1.5	1.0	7.0	5.5	10.5	9.0
6	---	---	19.0	17.0	---	---	2.5	1.5	6.5	6.0	11.0	10.5
7	---	---	18.5	17.0	---	---	3.0	2.0	6.5	5.0	11.0	10.5
8	---	---	18.5	17.0	---	---	3.5	2.0	6.5	5.5	11.0	10.5
9	---	---	18.0	17.0	12.0	11.5	4.5	3.5	6.5	5.5	11.0	10.5
10	---	---	18.0	16.5	11.5	10.0	5.0	4.5	7.5	6.5	10.5	10.0
11	---	---	17.0	16.0	11.5	10.0	5.5	5.0	9.0	7.0	10.5	10.0
12	---	---	16.5	15.0	11.0	10.0	5.5	5.5	9.5	8.5	10.0	10.0
13	---	---	16.5	15.0	11.5	10.5	5.5	5.0	11.0	9.5	10.5	10.0
14	---	---	16.0	15.0	11.5	10.0	5.0	4.5	11.5	10.0	11.5	10.5
15	---	---	16.5	15.0	11.0	10.0	4.5	4.5	12.0	10.5	12.0	11.0
16	---	---	16.0	15.0	10.0	9.5	5.0	4.5	12.5	11.5	13.0	12.0
17	22.5	22.0	15.5	14.5	9.5	8.5	5.0	4.5	13.0	12.5	14.0	13.0
18	23.0	22.0	15.0	14.5	8.5	8.5	5.0	4.5	13.0	12.0	15.0	13.5
19	23.0	22.0	15.5	15.0	8.5	7.0	4.5	4.0	13.5	12.5	16.0	15.0
20	23.0	22.0	15.5	15.0	8.0	7.5	4.0	4.0	13.5	12.0	16.0	15.5
21	22.5	22.0	15.0	14.5	7.5	7.0	4.0	3.0	13.5	12.0	15.5	15.0
22	22.0	21.5	14.5	14.5	7.5	7.0	3.5	2.0	13.5	12.0	16.0	15.5
23	22.0	20.5	15.0	14.5	7.0	6.0	3.0	2.5	13.5	13.0	16.0	15.5
24	21.5	20.0	15.0	15.0	6.0	4.5	3.0	2.5	13.5	13.0	16.0	15.5
25	21.0	20.0	15.0	14.5	4.5	3.5	3.0	2.0	13.5	13.0	16.0	15.5
26	20.5	20.0	14.5	14.0	3.5	2.0	3.5	2.0	13.5	13.0	16.0	15.5
27	20.5	19.5	14.0	13.5	2.5	2.0	4.5	3.5	13.0	12.5	16.0	15.5
28	20.0	19.0	13.5	12.0	2.0	1.5	4.5	4.5	12.5	11.0	16.5	16.0
29	20.0	18.5	12.5	12.0	1.5	.5	5.0	4.5	11.0	10.0	16.0	15.5
30	20.0	18.5	12.0	10.5	1.0	.5	5.5	5.0	---	---	15.5	15.0
31	19.5	19.0	---	---	.5	.0	5.5	5.0	---	---	15.5	15.0
MONTH	23.0	18.5	20.0	10.5	12.0	.0	5.5	.0	13.5	5.0	16.5	8.5

02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	APRIL MAX	APRIL MIN	MAY MAX	MAY MIN	JUNE MAX	JUNE MIN	JULY MAX	JULY MIN	AUGUST MAX	AUGUST MIN	SEPTEMBER MAX	SEPTEMBER MIN
1	15.5	15.0	20.5	20.0	25.5	24.0	30.0	28.5	29.5	29.0	31.0	29.5
2	15.5	15.0	20.0	19.5	25.5	24.5	31.0	28.5	29.5	28.5	31.0	30.0
3	16.0	15.0	20.0	20.0	26.0	24.5	31.5	29.0	29.0	28.0	31.0	29.5
4	16.0	15.5	20.5	19.5	27.0	25.0	31.0	29.0	29.5	28.5	30.0	29.0
5	16.0	15.5	20.5	20.0	26.0	25.0	31.0	29.0	29.0	28.0	30.5	28.5
6	16.0	15.5	21.0	20.5	26.5	25.0	30.5	29.0	30.0	28.0	29.5	28.0
7	16.0	15.5	22.0	21.0	26.5	25.5	31.5	29.0	28.0	25.0	28.5	27.5
8	15.5	15.0	22.0	22.0	27.0	25.5	29.5	27.0	28.0	25.5	28.5	27.5
9	15.0	14.5	22.0	21.5	27.0	25.5	30.5	28.0	28.5	26.5	28.0	27.5
10	15.0	15.0	21.5	21.0	28.0	26.5	30.5	29.0	28.5	25.5	29.0	27.5
11	16.0	15.0	21.0	20.5	29.5	26.5	31.0	29.5	28.5	26.0	29.0	28.0
12	16.5	16.0	21.0	20.5	29.0	26.5	31.5	29.5	29.0	26.5	30.5	28.5
13	17.0	16.0	21.5	21.0	28.0	26.5	31.0	29.5	28.5	27.5	29.5	28.5
14	17.5	17.0	22.0	21.5	29.5	27.0	31.0	29.5	28.5	25.0	30.0	29.0
15	17.5	17.0	23.0	22.0	28.5	27.0	30.5	29.5	28.5	25.0	29.5	28.5
16	17.5	17.0	23.0	22.5	28.0	27.5	30.5	30.0	30.0	27.5	29.0	27.5
17	17.5	17.0	23.5	22.5	30.0	27.0	30.5	29.5	30.0	28.0	27.5	26.5
18	18.0	17.0	23.5	23.0	29.5	28.0	31.0	29.5	31.0	29.0	27.0	26.0
19	17.5	17.5	24.0	23.0	30.0	28.0	32.0	29.5	30.5	29.0	26.5	26.0
20	18.0	17.5	24.0	23.0	30.5	28.0	30.5	29.5	31.0	29.5	27.0	26.0
21	18.0	17.5	23.5	23.0	31.5	29.0	31.0	29.5	30.5	29.5	26.5	25.5
22	19.0	18.0	23.5	23.0	31.0	28.5	31.5	30.0	30.5	29.5	26.5	26.0
23	19.0	18.5	24.0	23.5	30.0	29.0	31.0	29.5	30.5	29.5	27.5	26.0
24	19.0	19.0	24.5	23.5	31.0	28.5	31.5	30.0	31.5	29.5	27.5	26.0
25	19.5	19.0	25.5	24.0	31.0	29.0	31.0	30.0	30.5	29.5	28.0	26.5
26	19.5	19.5	27.5	24.5	29.5	29.0	31.5	30.0	31.0	29.5	27.5	26.0
27	19.5	19.0	26.5	25.0	30.0	29.0	31.0	30.5	30.5	29.5	27.5	25.5
28	19.5	19.5	26.0	25.5	30.5	29.0	31.0	30.0	30.0	29.5	26.5	25.5
29	20.0	19.5	26.0	26.0	30.0	29.0	31.0	29.0	30.5	29.0	25.5	24.5
30	20.5	20.0	25.5	25.0	30.0	29.0	30.0	29.0	30.0	28.5	24.5	23.0
31	---	---	25.5	24.5	---	---	30.0	29.0	30.5	29.0	---	---
MONTH	20.5	14.5	27.5	19.5	31.5	24.0	32.0	27.0	31.5	25.0	31.0	23.0
YEAR	32.0	.0										

02469762 - TOMBIGBEE R BL COFFEEVILLE L&D NEAR COFFEEVILLE

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)
OCT							
19...	1200	11600	242	7.6	24.5	15	8.0
FEB							
14...	0900	61600	137	7.4	9.0	75	12.0
APR							
10...	0900	73000	114	6.7	16.0	23	9.3
AUG							
08...	1015	15300	177	7.4	29.0	8.0	7.8

DATE	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	ALKA-LINITY FIELD (MG/L AS CACO3)	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
OCT							
19...	96	K15	--	54	1.1	.040	.010
FEB							
14...	--	K900	18	38	.70	.080	.060
APR							
10...	95	200	--	29	2.5	.150	.010
AUG							
08...	101	34	--	40	.30	.050	.030

02469762 TOMBIGBEE R BL COFFEEVILLE L&D NEAR COFFEEVILLE

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	190	182	128	116	122	123	122	114	112	152	150	---
2	185	225	162	110	123	124	121	118	110	150	170	181
3	202	206	126	103	124	125	121	110	108	145	173	170
4	190	210	144	108	128	126	123	110	108	---	176	155
5	193	202	133	90	136	124	122	110	107	140	170	160
6	202	195	158	94	124	123	121	110	108	142	171	165
7	197	185	142	100	132	121	123	110	106	141	178	175
8	199	187	104	105	133	115	118	105	118	146	176	165
9	194	182	102	100	134	120	111	92	128	142	166	185
10	190	181	98	106	134	120	108	93	127	150	160	190
11	182	221	93	102	140	118	112	94	132	150	171	190
12	177	196	94	106	138	118	102	91	134	146	180	200
13	176	195	93	106	131	112	102	91	130	146	180	175
14	180	195	83	100	138	115	106	94	130	147	165	190
15	191	205	88	104	130	112	106	97	126	142	160	194
16	198	193	86	111	132	111	106	98	128	140	160	199
17	205	195	95	123	128	112	108	98	130	144	175	190
18	199	197	95	124	125	112	112	100	150	143	175	165
19	198	185	95	111	127	114	120	106	146	144	155	185
20	223	185	98	112	128	114	113	107	138	146	175	186
21	227	180	103	114	127	114	111	106	140	---	180	185
22	229	188	102	115	126	115	110	103	150	150	175	111
23	221	184	111	110	124	113	94	110	150	150	160	104
24	198	182	118	105	122	129	96	110	144	151	160	114
25	216	133	111	146	120	118	104	113	150	150	165	175
26	213	---	112	124	126	116	105	112	150	150	165	175
27	200	150	125	146	120	126	108	110	165	146	170	176
28	180	150	123	138	117	122	110	112	160	148	160	180
29	182	204	120	133	115	132	115	110	165	---	175	185
30	198	---	142	134	---	130	112	110	165	150	160	190
31	198	---	122	128	---	140	---	108	---	151	180	---
MEAN	198	189	113	114	128	120	111	105	134	147	169	173

WTR YR 1984 MEAN 141 MAX 229 MIN 83

02469762 TOMBIGBEE R BL COFFEEVILLE L&D NEAR COFFEEVILLE

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.0	22.0	14.5	5.5	8.0	12.5	17.0	20.5	25.0	30.5	30.0	---
2	26.0	22.0	15.0	5.0	8.0	13.0	17.0	21.0	25.0	31.0	30.0	30.0
3	26.0	22.5	15.0	5.5	8.0	13.0	17.5	21.0	25.5	31.0	30.0	29.5
4	26.0	22.0	15.0	9.0	8.0	13.0	17.5	21.0	27.0	---	30.0	29.0
5	25.0	21.5	14.0	10.0	8.5	12.0	18.0	21.0	26.0	31.5	29.0	29.0
6	25.0	21.0	15.0	10.0	8.0	12.5	18.0	21.0	28.0	30.5	29.0	29.0
7	25.0	21.0	15.0	7.0	8.0	12.5	17.5	22.0	28.0	30.5	29.0	29.0
8	25.0	20.0	15.0	6.0	8.0	13.5	17.0	22.0	27.0	30.0	29.0	29.0
9	25.0	20.0	14.0	7.0	9.0	13.5	17.0	22.0	27.0	32.0	30.0	29.5
10	25.0	20.0	13.5	6.5	10.0	13.0	17.0	22.0	27.0	32.0	30.0	29.5
11	25.0	18.0	14.0	6.0	10.0	13.0	16.0	22.0	28.0	33.0	29.0	29.5
12	24.0	19.0	14.0	7.0	10.0	13.0	17.0	22.0	27.0	32.0	29.5	29.5
13	24.0	19.0	14.0	7.0	10.0	14.0	17.0	22.0	29.0	32.0	29.5	30.0
14	24.0	19.0	14.0	6.0	12.0	14.0	17.0	22.5	28.5	31.0	28.5	30.0
15	24.0	19.0	13.5	6.0	13.0	14.5	17.5	22.5	28.5	31.0	28.5	30.0
16	24.0	19.0	13.5	6.0	13.0	15.0	17.5	23.0	29.0	32.0	29.5	29.0
17	24.0	18.0	12.0	7.0	13.0	15.0	18.0	23.0	29.0	32.0	29.5	28.0
18	24.0	18.5	12.0	7.0	14.0	15.0	18.0	23.0	29.5	31.0	29.0	29.0
19	24.0	18.0	11.5	6.0	14.0	16.0	18.0	23.0	30.0	30.5	29.5	28.0
20	24.0	18.0	12.0	6.0	14.0	16.0	19.0	23.5	31.0	31.0	29.5	28.0
21	24.0	18.0	12.0	6.0	14.0	16.0	20.0	23.5	32.0	---	30.0	28.0
22	24.0	18.0	12.0	6.0	14.0	16.5	20.0	23.5	31.0	31.5	30.0	28.0
23	24.0	18.0	10.0	6.0	14.5	17.0	20.0	23.5	30.0	31.0	30.0	28.0
24	24.0	18.0	10.0	6.0	14.5	17.0	20.0	24.0	31.0	31.0	29.5	28.0
25	22.0	18.0	8.0	6.0	14.0	17.0	20.5	25.0	32.0	31.5	29.5	28.0
26	22.0	---	7.5	6.0	14.5	17.0	20.5	25.0	32.0	31.0	29.5	28.0
27	22.0	18.0	7.0	6.5	14.0	17.5	21.0	26.0	31.0	33.0	30.0	28.0
28	21.5	18.0	7.5	6.5	13.0	18.0	21.0	26.5	30.5	33.0	30.0	27.5
29	22.0	15.0	7.0	7.0	13.0	18.0	21.0	26.0	30.0	---	29.5	27.0
30	22.0	---	5.0	7.0	---	17.0	21.0	25.0	30.5	30.0	30.0	26.0
31	21.5	---	5.0	7.5	---	17.0	---	25.0	---	30.0	29.5	---
MEAN	24.0	19.0	12.0	6.5	11.5	15.0	18.5	23.0	29.0	31.5	29.5	28.5

WTR YR 1984 MEAN 20.5 MAX 33.0 MIN 5.0

03592708 - LITTLE YELLOW CREEK NR HOLTS SPUR, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
AUG 02...	1400	2.5	31	6.0	20.5	8.0	89	10	9	0	2.2	.97

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
AUG 02...	1.7	25	.2	1.2	11	2.8	1.5	41	.06	.28	<.10	<.010

DATE	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	SEDI-MENT, SUS-PENDED (MG/L)
AUG 02...	.30	.020	.020	2500	130	18	5	70	10	2.9	2.8	34

03592824 - TENN-TOM WATERWAY AT CROSS ROADS, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
NOV 14...	1345	143	6.7	14.0	3	4.5	9.4	91	10	--
JAN 30...	1400	91	6.3	4.5	25	17	11.9	92	10	--
APR 17...	1445	91	6.7	15.0	20	6.5	10.4	104	<10	K6
JUL 10...	1130	135	7.0	28.0	10	12	6.0	77	<10	K60

DATE	SODIUM, DISSOLVED (MG/L AS NA)	ALKALINITY LAB (MG/L AS CACO3)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
NOV 14...	8.3	63	3.6	101	.14	.40	.720	.58	1.3
JAN 30...	2.5	26	7.2	72	.10	.10	<.010	--	.70
APR 17...	3.0	27	3.3	--	--	<.10	.030	2.1	2.1
JUL 10...	2.5	41	2.5	88	.12	<.10	.060	.14	.20

DATE	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	PHENOLS TOTAL (UG/L)
NOV 14...	1.7	.030	.020	490	36	30	24	.4	<1
JAN 30...	.80	.040	.020	1100	380	180	200	1.1	<1
APR 17...	--	.030	.030	540	130	60	23	1.0	<1
JUL 10...	--	.030	.020	770	110	110	11	<.1	<1

03592824 - TENN-TOM WATERWAY AT CROSS ROADS, MS

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	PCB, TOTAL (UG/L)	NAPHTHALENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)
NOV 14...	<.1	<.10	<.010	<.1	<.010	<.010	<.010	<.01	<.010	<.010
JAN 30...	<.1	<.10	<.010	<.1	<.010	<.010	<.010	<.01	<.010	<.010
APR 17...	<.1	<.10	<.010	<.1	<.010	<.010	<.010	<.01	<.010	<.010
JUL 10...	<.1	<.10	<.010	<.1	<.010	<.010	<.010	<.01	<.010	<.010

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)
NOV 14...	<.010	<.01	<.010	<.010	<.010	<.01	<.01	<.01	<.01
JAN 30...	<.010	<.01	<.010	<.010	<.010	<.01	<.01	<.01	<.01
APR 17...	<.010	<.01	<.010	<.010	<.010	<.01	<.01	<.01	<.01
JUL 10...	<.010	<.01	<.010	<.010	<.010	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 14...	<.01	<.01	<.1	<1	<.01	<.01	<.01	<.01	<.01
JAN 30...	<.01	<.01	<.1	<1	<.01	<.01	<.01	<.01	<.01
APR 17...	<.01	<.01	<.1	<1	<.01	<.01	<.01	<.01	<.01
JUL 10...	<.01	<.01	<.1	<1	<.01	<.01	<.01	<.01	<.01

03592824 TENN-TOM WATERWAY AT CROSS ROADS, MS

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	92	84	88	144	140	142	50	47	49	---	---	---
2	90	86	88	142	139	140	52	49	50	---	---	---
3	114	87	95	143	139	140	55	53	54	---	---	---
4	125	115	121	141	134	138	56	54	55	---	---	---
5	130	123	127	136	132	134	58	54	56	---	---	---
6	132	125	128	138	134	135	60	57	58	---	---	---
7	136	129	132	138	134	136	58	55	57	---	---	---
8	140	135	137	142	137	139	59	56	58	---	---	---
9	142	136	139	146	140	144	61	57	59	---	---	---
10	146	139	142	145	139	142	63	60	61	---	---	---
11	147	142	145	144	138	140	65	62	64	---	---	---
12	150	142	146	141	137	139	66	64	65	101	98	100
13	143	135	139	146	140	142	66	63	64	102	99	100
14	144	137	141	145	140	143	64	63	64	104	99	101
15	147	140	143	144	142	142	64	62	63	103	93	99
16	149	143	146	145	142	144	---	---	---	103	97	100
17	151	146	149	146	142	144	---	---	---	107	97	102
18	153	148	151	149	144	146	---	---	---	109	98	106
19	155	149	152	152	150	152	---	---	---	106	94	100
20	157	152	154	154	147	150	---	---	---	106	96	102
21	159	153	156	152	146	150	---	---	---	101	92	95
22	159	153	156	152	149	151	---	---	---	101	97	98
23	156	150	153	150	96	124	---	---	---	99	96	97
24	152	147	150	121	105	115	---	---	---	97	87	93
25	148	146	147	116	77	92	---	---	---	100	84	91
26	152	146	148	107	91	98	---	---	---	108	100	103
27	150	146	148	111	56	88	---	---	---	103	90	97
28	149	146	148	56	44	47	---	---	---	93	89	91
29	146	143	145	57	43	51	---	---	---	93	91	92
30	148	144	146	48	46	47	---	---	---	93	86	90
31	145	143	143	---	---	---	---	---	---	89	86	88
MONTH	159	84	139	154	43	127	66	47	58	109	84	97

03592824 TENN-TOM WATERWAY AT CROSS ROADS, MS

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	102	84	94	91	90	90	95	85	89	---	---	---
2	114	99	107	91	87	90	97	90	93	---	---	---
3	114	108	113	94	89	91	91	78	84	---	---	---
4	106	98	100	94	85	89	82	78	80	---	---	---
5	110	100	106	86	80	84	84	78	80	---	---	---
6	108	99	104	90	77	82	92	82	86	---	---	---
7	105	97	102	88	78	82	92	88	90	---	---	---
8	105	93	99	89	79	84	90	81	86	---	---	---
9	116	102	109	83	80	82	84	79	81	---	---	---
10	121	112	116	86	80	82	94	85	92	---	---	---
11	119	117	118	88	78	83	95	91	93	61	54	58
12	119	106	114	98	83	90	93	86	90	62	59	60
13	118	109	115	110	93	100	97	89	92	62	59	61
14	111	100	105	109	91	96	90	83	86	67	60	64
15	111	98	103	103	91	96	99	90	95	76	68	74
16	109	96	103	101	97	99	100	96	98	78	68	75
17	112	100	106	100	91	96	97	94	96	90	73	82
18	105	102	103	98	83	90	96	93	94	105	89	97
19	113	100	106	115	86	92	96	93	94	112	105	108
20	111	106	109	115	99	110	94	87	92	112	107	110
21	108	102	105	104	89	96	---	---	---	112	106	110
22	103	100	102	95	88	91	---	---	---	106	103	104
23	105	99	101	92	88	90	---	---	---	108	95	104
24	119	104	110	91	85	89	---	---	---	105	101	102
25	120	113	117	89	85	87	---	---	---	104	101	103
26	109	100	105	91	88	89	---	---	---	102	97	99
27	101	91	98	93	90	91	---	---	---	102	99	100
28	110	89	104	93	68	77	---	---	---	100	94	98
29	103	90	94	70	53	61	---	---	---	99	94	96
30	---	---	---	81	55	72	---	---	---	98	93	95
31	---	---	---	88	79	83	---	---	---	98	93	96
MONTH	121	84	106	115	53	88	100	78	90	112	54	90

03592824 TENN-TOM WATERWAY AT CROSS ROADS, MS

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	103	95	99	138	116	124	179	150	168	169	165	167
2	120	97	108	181	134	146	168	149	158	169	165	167
3	114	103	108	139	125	130	149	136	140	169	163	167
4	115	104	108	132	125	128	151	135	141	165	155	159
5	126	105	115	133	120	125	175	145	161	159	151	156
6	119	107	112	124	119	121	174	147	155	159	151	155
7	111	108	109	128	120	123	151	143	147	160	151	155
8	112	109	110	137	124	131	154	142	147	157	154	155
9	115	110	112	139	125	133	152	142	146	158	154	156
10	137	114	119	141	125	134	152	144	147	157	149	153
11	145	133	141	135	125	129	157	144	149	154	149	152
12	150	137	144	128	125	126	153	143	147	156	151	154
13	136	128	131	128	126	127	148	142	145	160	154	157
14	128	125	126	129	125	127	146	142	143	161	155	157
15	129	124	127	131	125	127	149	142	145	160	153	158
16	135	127	131	141	126	132	149	145	147	156	152	154
17	165	130	149	127	121	125	148	145	146	153	149	151
18	177	136	164	124	118	121	152	146	148	152	149	151
19	149	135	142	122	114	118	171	152	161	153	148	151
20	139	120	130	127	116	121	168	155	160	153	149	151
21	151	120	125	161	120	138	171	153	163	154	150	152
22	127	123	125	177	131	158	169	155	161	155	151	153
23	127	120	124	184	144	164	161	154	157	155	143	153
24	138	115	124	161	142	149	157	153	155	161	153	156
25	148	129	139	144	136	141	157	152	154	162	154	156
26	141	123	130	142	134	138	166	153	160	157	151	153
27	128	120	123	148	133	142	190	170	182	157	150	152
28	136	119	124	162	134	146	188	176	181	160	148	153
29	129	116	122	198	144	172	176	165	170	151	143	148
30	125	116	122	202	174	188	170	165	167	162	146	156
31	---	---	---	183	161	173	168	164	166	---	---	---
MONTH	177	95	125	202	114	137	190	135	155	169	143	155
YEAR	202	43	119									

03592824 TENN-TOM WATERWAY AT CROSS ROADS, MS

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.9	6.7	7.4	7.2	5.2	5.0	---	---	6.5	6.3	7.5	7.4
2	6.9	6.7	7.3	7.1	5.2	5.0	---	---	6.6	6.4	7.4	7.2
3	7.1	6.7	7.4	7.2	5.1	5.1	---	---	6.7	6.6	7.3	7.1
4	7.3	7.1	7.4	7.3	5.2	5.1	---	---	6.7	6.6	7.1	6.8
5	7.4	7.2	7.4	7.3	5.2	5.1	---	---	6.7	6.6	6.8	6.2
6	7.5	7.3	7.4	7.3	5.3	5.2	---	---	6.8	6.6	6.8	6.6
7	7.5	7.3	7.3	7.2	5.3	5.2	---	---	6.6	6.5	6.8	6.5
8	7.5	7.4	7.3	7.2	5.4	5.3	---	---	6.6	6.4	6.8	6.5
9	7.6	7.4	7.3	7.1	5.4	5.3	---	---	6.6	6.5	6.8	6.7
10	7.6	7.5	7.1	7.0	5.4	5.3	---	---	6.7	6.5	6.7	6.4
11	7.6	7.5	7.0	7.0	5.4	5.3	---	---	6.9	6.7	6.5	6.4
12	7.5	7.3	7.0	6.9	5.4	5.4	6.6	6.5	6.9	6.7	6.5	6.4
13	7.6	7.3	6.9	6.8	5.4	5.4	6.6	6.5	6.9	6.7	6.8	6.4
14	7.7	7.5	6.7	6.7	5.4	5.4	6.7	6.5	6.8	6.6	6.8	6.5
15	7.8	7.6	6.9	6.7	5.5	5.4	6.6	6.4	6.8	6.5	6.5	6.4
16	7.8	7.6	7.0	6.9	---	---	6.5	6.4	6.9	6.6	6.5	6.4
17	7.7	7.5	7.1	7.1	---	---	6.5	6.4	7.0	6.7	6.5	6.2
18	7.6	7.4	7.2	7.1	---	---	6.7	6.5	7.1	6.9	6.4	6.1
19	7.5	7.3	7.3	7.2	---	---	6.7	6.4	7.0	6.7	6.5	6.1
20	7.4	7.3	7.5	7.3	---	---	6.7	6.5	7.0	6.8	6.6	6.5
21	7.3	7.1	7.6	7.5	---	---	6.7	6.5	7.2	6.9	6.7	6.5
22	7.2	7.1	7.7	7.5	---	---	6.5	6.4	7.2	7.0	6.7	6.5
23	7.3	7.2	7.5	6.6	---	---	6.5	6.4	7.2	6.9	6.9	6.7
24	7.4	7.3	6.8	6.6	---	---	6.6	6.2	7.2	6.9	6.9	6.6
25	7.5	7.4	6.6	6.1	---	---	6.3	6.2	7.4	7.2	6.8	6.6
26	7.4	7.3	6.4	6.2	---	---	6.4	6.3	7.4	7.2	6.8	6.6
27	7.4	7.3	6.4	5.5	---	---	6.4	6.3	7.3	6.9	6.8	6.6
28	7.4	7.3	5.4	5.3	---	---	6.4	6.3	7.2	6.9	6.7	6.0
29	7.4	7.2	5.2	5.0	---	---	6.5	6.4	7.6	7.4	6.0	5.4
30	7.4	7.3	5.2	5.0	---	---	6.6	6.4	---	---	6.2	5.4
31	7.5	7.3	---	---	---	---	6.6	6.4	---	---	6.5	6.3
MONTH	7.8	6.7	7.7	5.0	5.5	5.0	6.7	6.2	7.6	6.3	7.5	5.4

03592824 TENN-TOM WATERWAY AT CROSS ROADS, MS

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.5	6.3	---	---	6.8	6.6	6.9	6.7	7.4	7.2	7.6	7.2
2	6.5	6.4	---	---	7.0	6.6	6.9	6.8	7.4	7.3	7.4	7.2
3	6.4	6.2	---	---	6.8	6.6	7.0	6.7	7.3	7.2	7.3	7.1
4	6.2	6.1	---	---	6.7	6.5	6.8	6.6	7.3	7.1	7.4	7.0
5	6.4	6.1	---	---	6.8	6.5	6.7	6.6	7.2	7.1	7.4	7.0
6	6.7	6.4	---	---	6.7	6.5	6.8	6.7	7.3	7.1	7.5	7.0
7	6.7	6.5	---	---	6.8	6.4	6.9	6.6	7.5	7.2	7.4	7.0
8	6.6	6.4	---	---	6.7	6.5	6.8	6.7	7.5	7.3	7.3	7.0
9	6.6	6.4	---	---	6.7	6.5	6.7	6.6	7.4	7.2	7.4	7.3
10	6.8	6.6	---	---	7.0	6.7	6.9	6.6	7.5	7.1	7.4	7.0
11	6.8	6.6	6.0	5.8	7.0	6.6	7.0	6.7	7.5	7.0	7.2	7.0
12	6.7	6.6	6.0	5.8	6.9	6.6	7.4	6.9	7.3	7.1	7.3	7.0
13	6.7	6.6	5.9	5.8	6.9	6.6	7.4	6.9	7.3	6.9	7.4	7.0
14	6.6	6.4	6.0	5.9	6.6	6.5	7.1	6.7	7.3	7.0	7.1	7.0
15	6.8	6.5	6.2	6.0	6.6	6.4	6.9	6.7	7.3	7.1	7.5	7.1
16	6.8	6.7	6.2	6.0	6.8	6.5	7.0	6.8	7.3	7.1	7.5	7.2
17	6.9	6.5	6.3	6.1	6.8	6.5	7.0	6.9	7.4	7.0	7.4	7.1
18	6.7	6.7	6.6	6.3	6.8	6.5	7.2	6.8	7.4	7.0	7.4	7.1
19	6.8	6.5	6.6	6.4	6.6	6.5	7.2	6.8	7.3	7.0	7.4	7.1
20	6.7	6.5	6.5	6.4	6.8	6.5	7.5	6.8	7.2	7.0	7.4	7.1
21	6.5	6.4	6.5	6.4	7.0	6.6	7.4	6.9	7.3	7.0	7.4	7.1
22	6.4	6.0	6.5	6.4	6.9	6.7	7.3	7.1	7.2	7.1	7.3	7.0
23	6.8	6.4	6.7	6.2	7.0	6.7	7.5	7.1	7.5	7.1	7.3	7.0
24	6.7	6.3	6.7	6.5	6.8	6.6	7.3	7.1	7.6	7.2	7.2	7.0
25	6.4	6.3	6.6	6.4	7.1	6.7	7.2	7.0	7.5	7.2	7.2	7.0
26	6.3	6.2	6.5	6.3	7.2	6.8	7.2	7.1	7.3	7.0	7.2	7.1
27	6.5	6.2	6.6	6.2	7.2	6.9	7.2	7.0	7.4	7.0	7.1	7.0
28	---	---	6.4	6.1	7.2	6.9	7.1	6.9	7.3	7.1	7.2	7.1
29	---	---	6.8	6.3	7.0	6.7	7.2	7.0	7.3	7.2	7.3	7.1
30	---	---	6.9	6.5	7.0	6.7	7.5	7.1	7.4	7.2	7.2	7.1
31	---	---	7.0	6.6	---	---	7.4	7.2	7.7	7.2	---	---
MONTH	6.9	6.0	7.0	5.8	7.2	6.4	7.5	6.6	7.7	6.9	7.6	7.0
YEAR	7.8	5.0										

03592824 TENN-TOM WATERWAY AT CROSS ROADS, MS

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.5	22.5	23.0	19.5	18.5	19.0	15.0	14.0	14.5	---	---	---
2	23.5	22.5	23.0	19.5	19.0	19.0	15.5	14.5	14.5	---	---	---
3	24.0	22.5	23.0	20.0	19.5	19.5	16.5	15.5	16.0	---	---	---
4	24.0	23.5	23.5	20.0	18.0	19.0	16.5	16.0	16.5	---	---	---
5	24.5	23.5	24.0	18.0	16.5	17.0	17.0	15.0	15.5	---	---	---
6	24.0	22.5	23.5	17.0	16.5	17.0	17.0	14.5	16.0	---	---	---
7	23.5	23.0	23.5	17.0	16.5	17.0	14.5	13.0	13.5	---	---	---
8	23.5	23.0	23.0	18.0	16.5	17.0	14.5	13.0	13.5	---	---	---
9	23.5	22.5	23.0	18.0	17.0	17.5	14.5	13.5	14.0	---	---	---
10	23.0	22.5	23.0	17.5	15.5	16.5	16.5	14.5	15.5	---	---	---
11	23.0	22.5	22.5	15.5	14.0	15.0	17.5	16.5	16.5	---	---	---
12	22.5	21.5	22.0	14.5	13.5	14.0	17.0	15.0	16.0	3.5	3.0	3.0
13	21.5	20.0	20.5	15.0	14.0	14.5	15.0	14.5	14.5	3.5	3.5	3.5
14	20.5	19.5	20.0	14.5	14.0	14.0	14.5	13.5	14.0	4.0	3.0	3.5
15	21.0	20.0	20.5	14.5	14.5	14.5	13.5	12.5	13.0	3.5	3.5	3.5
16	21.0	20.0	20.5	14.5	13.5	14.0	---	---	---	3.5	3.5	3.5
17	21.0	20.5	21.0	13.5	13.0	13.5	---	---	---	4.0	3.5	4.0
18	21.5	21.0	21.0	14.0	13.5	13.5	---	---	---	4.0	3.0	4.0
19	22.0	21.0	21.5	15.0	14.0	14.5	---	---	---	3.5	2.0	2.5
20	22.0	21.5	21.5	15.0	14.5	15.0	---	---	---	3.0	1.0	2.0
21	22.0	22.0	22.0	14.5	14.0	14.0	---	---	---	2.0	.5	1.0
22	22.0	21.0	21.5	14.5	14.0	14.5	---	---	---	2.0	1.0	1.5
23	21.0	20.0	20.5	16.0	14.5	15.0	---	---	---	2.0	1.5	1.5
24	20.0	19.5	19.5	15.5	14.0	14.5	---	---	---	2.5	2.0	2.0
25	19.5	18.0	18.5	14.5	13.5	14.0	---	---	---	3.0	2.5	2.5
26	19.0	17.5	18.0	13.5	13.0	13.5	---	---	---	3.5	2.5	3.0
27	18.5	17.5	18.0	14.0	13.0	13.5	---	---	---	4.0	3.0	3.5
28	19.0	18.0	18.5	13.5	11.5	12.0	---	---	---	4.0	3.5	4.0
29	19.0	18.0	18.5	13.5	11.0	11.5	---	---	---	4.5	3.5	4.0
30	19.5	19.0	19.0	14.0	13.0	13.5	---	---	---	4.5	4.0	4.5
31	19.5	19.0	19.0	---	---	---	---	---	---	5.0	4.0	4.5
MONTH	24.5	17.5	21.0	20.0	11.0	15.0	17.5	12.5	15.0	5.0	.5	3.0

03592824 TENN-TOM WATERWAY AT CROSS ROADS, MS

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5.0	4.0	4.5	7.5	7.0	7.0	14.0	12.5	13.0	---	---	---
2	5.5	4.5	5.0	9.0	7.0	8.0	14.0	13.5	13.5	---	---	---
3	6.5	5.5	6.0	10.0	8.0	9.0	14.5	13.5	14.0	---	---	---
4	7.0	6.0	6.5	10.5	9.0	9.5	15.0	14.5	14.5	---	---	---
5	6.5	5.0	6.0	10.0	9.5	9.5	14.0	13.5	14.0	---	---	---
6	5.5	4.5	5.0	10.0	9.0	9.5	15.0	13.0	14.0	---	---	---
7	6.0	4.5	5.0	10.0	8.5	9.5	15.0	14.0	14.5	---	---	---
8	5.5	4.5	5.0	10.0	9.0	9.5	14.0	14.0	14.0	---	---	---
9	5.5	4.5	5.0	9.5	8.5	9.0	15.0	14.0	14.0	---	---	---
10	6.5	5.0	6.0	9.0	8.5	8.5	15.0	14.0	14.5	---	---	---
11	8.0	6.5	7.5	9.5	8.0	9.0	15.0	14.5	14.5	19.5	18.5	19.0
12	9.0	8.0	8.5	9.0	8.5	9.0	16.5	15.0	15.5	20.0	19.5	19.5
13	10.5	8.5	9.5	10.0	9.0	9.5	17.0	15.5	16.0	20.0	19.5	19.5
14	11.0	10.0	10.0	11.5	9.5	10.0	17.0	16.5	16.5	20.0	19.5	20.0
15	11.0	10.0	10.0	12.5	10.5	11.5	17.0	16.0	16.0	21.0	20.0	20.5
16	11.0	10.5	10.5	13.0	12.5	12.5	16.0	15.5	15.5	22.0	20.5	20.5
17	12.0	10.5	11.0	13.5	12.5	13.0	15.5	15.0	15.0	21.0	20.5	21.0
18	12.0	10.5	11.5	13.5	13.0	13.0	16.0	15.0	15.5	22.5	21.0	21.5
19	12.5	11.5	12.0	14.5	13.0	14.0	15.5	15.0	15.5	22.5	21.5	22.0
20	12.5	11.5	12.0	14.5	13.0	14.0	15.5	15.5	15.5	21.5	21.0	21.5
21	12.0	11.0	11.5	13.0	12.0	12.5	17.0	15.5	16.0	22.0	21.5	22.0
22	11.5	11.0	11.0	13.0	11.5	12.5	18.0	17.0	17.5	22.5	22.0	22.0
23	11.5	10.5	11.0	14.0	12.5	13.0	17.5	16.0	16.5	24.0	22.0	23.0
24	11.0	10.5	11.0	14.0	13.5	13.5	17.0	15.5	16.5	24.0	23.0	23.5
25	11.5	10.5	11.0	13.0	13.0	13.0	17.5	16.5	17.0	24.0	23.0	23.5
26	11.5	11.0	11.0	13.5	13.0	13.0	18.0	17.5	17.5	24.0	23.0	23.5
27	11.0	10.0	10.5	14.0	13.5	13.5	18.0	17.5	18.0	24.5	23.5	24.0
28	10.0	8.0	9.0	14.5	14.0	14.0	---	---	---	24.5	22.5	23.5
29	8.0	7.0	7.5	14.0	13.5	13.5	---.	---	---	24.0	22.0	23.0
30	---	---	---	15.0	13.0	14.0	---	---	---	23.0	22.0	22.5
31	---	---	---	14.5	13.5	13.5	---	---	---	22.0	21.5	22.0
MONTH	12.5	4.0	8.5	15.0	7.0	11.5	18.0	12.5	15.5	24.5	18.5	22.0

03592824 TENN-TOM WATERWAY AT CROSS ROADS, MS

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.0	21.5	22.0	28.0	26.5	27.0	27.0	27.0	27.0	28.0	27.5	28.0
2	23.5	21.5	22.5	28.0	27.0	27.0	27.0	26.5	27.0	28.5	28.0	28.0
3	23.0	22.0	22.5	27.5	27.5	27.5	26.5	26.0	26.5	28.0	27.0	28.0
4	23.5	22.5	23.0	28.0	27.0	27.5	26.5	26.0	26.5	27.5	26.5	27.0
5	24.5	22.5	23.5	28.0	27.5	27.5	27.0	26.0	26.5	27.0	25.5	26.0
6	24.5	23.0	24.0	27.5	27.0	27.0	27.0	26.0	26.5	26.5	26.0	26.0
7	24.5	23.0	24.0	28.5	27.0	27.5	28.0	27.0	27.0	26.0	25.5	25.5
8	24.5	23.0	24.0	27.5	27.5	27.5	27.5	27.0	27.5	25.5	25.0	25.0
9	25.5	23.5	24.5	27.5	27.0	27.5	27.5	27.0	27.5	25.0	24.5	25.0
10	26.5	25.5	25.5	28.5	27.0	27.5	27.5	27.0	27.0	25.0	24.5	24.5
11	26.5	25.5	26.0	29.5	28.0	28.5	28.0	27.0	27.0	25.5	24.5	25.0
12	27.0	25.5	26.0	30.5	28.5	29.0	28.0	27.5	28.0	26.0	25.0	25.5
13	26.5	26.0	26.0	30.0	29.0	29.5	28.5	27.5	28.0	26.5	26.0	26.5
14	26.5	25.5	26.0	30.5	28.5	29.5	28.5	28.0	28.5	27.5	26.0	26.5
15	26.5	25.5	26.0	30.0	29.0	29.5	28.5	28.0	28.5	27.5	24.5	26.5
16	28.5	26.5	27.5	29.5	29.0	29.5	28.5	28.0	28.5	25.5	23.5	24.5
17	29.0	27.0	28.0	29.5	28.5	29.0	29.0	27.5	28.0	25.0	23.5	24.5
18	29.0	27.0	28.5	29.0	28.0	28.5	29.0	28.0	28.5	24.5	23.0	23.5
19	28.5	27.5	28.0	28.5	27.5	28.0	28.5	27.5	28.0	24.0	23.0	23.5
20	29.0	27.5	28.0	29.0	28.0	28.0	29.0	28.0	28.5	24.5	23.5	23.5
21	29.5	28.0	29.0	29.0	28.0	28.5	29.0	28.0	28.5	24.5	23.5	24.0
22	29.5	28.5	28.5	29.5	28.5	29.0	29.0	28.5	28.5	24.0	23.5	24.0
23	29.5	28.5	29.0	29.5	28.5	29.0	29.0	28.0	28.5	24.5	24.0	24.0
24	29.0	27.5	28.5	29.5	29.0	29.0	29.0	28.0	28.5	24.5	24.0	24.0
25	29.5	28.0	28.5	29.5	29.0	29.0	28.5	27.5	28.0	25.0	24.0	24.5
26	29.0	28.5	28.5	30.0	29.0	29.5	28.0	27.5	27.5	25.0	23.0	24.0
27	29.0	28.0	28.5	29.5	28.0	29.0	28.0	27.0	27.5	23.0	22.0	22.5
28	29.0	27.5	28.0	28.5	27.5	28.0	28.0	27.5	27.5	22.0	20.5	21.5
29	27.5	27.0	27.0	28.0	27.5	28.0	28.0	27.0	27.5	21.0	19.0	20.0
30	27.5	27.0	27.5	28.0	27.5	27.5	28.0	27.5	27.5	20.5	19.5	20.0
31	---	---	---	27.5	27.0	27.0	28.5	27.0	27.5	---	---	---
MONTH	29.5	21.5	26.5	30.5	26.5	28.5	29.0	26.0	27.5	28.5	19.0	24.5
YEAR	30.5	.5	19.0									

03592824 TENN-TOM WATERWAY AT CROSS ROADS, MS

TURBIDITY (NTU), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	65	20	30	30	25	25	60	40	50	---	---	---
2	35	20	30	35	25	30	65	60	65	---	---	---
3	35	25	30	30	20	25	70	65	65	---	---	---
4	30	20	25	30	20	25	70	70	70	---	---	---
5	30	20	20	35	25	30	70	70	70	---	---	---
6	30	20	25	30	25	25	75	70	70	---	---	---
7	25	20	20	30	25	25	75	75	75	---	---	---
8	25	15	20	30	20	25	75	70	75	---	---	---
9	25	15	20	25	20	25	80	75	75	---	---	---
10	20	15	20	35	25	25	75	75	75	---	---	---
11	20	15	15	30	25	30	75	75	75	---	---	---
12	25	15	20	30	25	30	75	75	75	50	40	45
13	35	25	30	30	20	25	75	75	75	45	35	40
14	35	20	25	30	20	25	75	75	75	40	35	35
15	30	20	25	25	20	20	80	75	75	50	35	35
16	30	20	25	30	20	25	---	---	---	50	40	40
17	25	20	20	25	25	25	---	---	---	45	40	40
18	25	20	20	30	25	25	---	---	---	45	40	40
19	25	10	20	30	25	25	---	---	---	45	40	40
20	30	15	20	30	25	25	---	---	---	40	35	40
21	15	9.8	15	35	30	30	---	---	---	40	35	35
22	60	15	30	35	25	30	---	---	---	40	35	35
23	30	25	25	130	30	70	---	---	---	35	35	35
24	30	20	25	80	65	70	---	---	---	60	35	45
25	30	25	25	130	65	100	---	---	---	55	40	45
26	30	25	25	90	65	80	---	---	---	50	40	45
27	30	20	25	100	60	80	---	---	---	45	40	45
28	30	25	25	110	85	90	---	---	---	45	40	40
29	35	25	30	90	30	65	---	---	---	45	40	40
30	30	25	25	40	35	40	---	---	---	40	35	35
31	35	25	25	---	---	---	---	---	---	40	35	35
MONTH	65	9.8	24	130	20	39	80	40	70	60	35	40

03592824 TENN-TOM WATERWAY AT CROSS ROADS, MS

TURBIDITY (NTU), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	40	35	35	35	30	30	55	35	45	---	---	---
2	40	30	35	35	30	30	40	35	35	---	---	---
3	35	30	30	35	25	30	45	35	40	---	---	---
4	35	35	35	30	30	30	55	45	50	---	---	---
5	35	35	35	35	25	30	55	45	50	---	---	---
6	35	30	30	40	35	35	45	35	40	---	---	---
7	35	30	30	40	35	35	45	35	35	---	---	---
8	30	30	30	35	30	35	40	35	35	---	---	---
9	30	25	30	35	35	35	45	35	40	---	---	---
10	30	25	25	35	30	30	35	35	35	---	---	---
11	30	25	30	30	25	30	35	30	35	65	55	60
12	30	30	30	45	30	35	30	30	30	70	55	55
13	35	30	30	45	30	35	35	30	30	65	50	55
14	45	30	40	35	30	30	35	30	35	65	50	55
15	45	30	35	35	25	30	45	30	35	60	45	55
16	40	30	35	30	25	30	35	30	35	60	40	50
17	35	30	35	45	30	35	35	30	30	55	35	45
18	35	30	30	55	35	40	35	30	35	45	25	35
19	40	25	30	45	35	40	35	30	30	40	15	30
20	30	25	30	40	35	35	35	30	35	25	15	20
21	35	30	30	45	35	40	60	30	35	30	15	20
22	40	25	30	35	30	30	140	70	95	35	20	25
23	30	25	25	30	25	30	65	40	45	35	20	25
24	30	25	25	30	25	25	75	40	60	35	25	25
25	30	25	25	30	25	25	80	55	65	35	20	25
26	30	25	25	30	25	25	95	80	85	45	20	30
27	50	25	35	30	25	25	95	60	85	35	20	25
28	55	35	40	150	30	110	---	---	---	45	20	30
29	40	30	35	180	140	160	---	---	---	95	30	55
30	---	---	---	170	80	110	---	---	---	90	70	75
31	---	---	---	80	50	65	---	---	---	85	70	75
MONTH	55	25	31	180	25	40	140	30	45	95	15	40

03592824 TENN-TOM WATERWAY AT CROSS ROADS, MS

TURBIDITY (NTU), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	85	70	75	40	30	35	30	20	25	30	20	25
2	80	65	70	40	25	30	30	20	25	30	20	25
3	90	65	75	45	30	35	35	20	25	30	20	25
4	90	65	75	45	35	40	35	20	25	35	20	25
5	85	65	75	45	30	35	35	20	25	40	20	30
6	85	65	70	50	30	35	35	20	25	45	20	35
7	80	65	70	50	25	40	35	20	25	45	25	35
8	85	65	70	40	25	30	25	20	20	40	25	35
9	80	60	70	45	25	35	25	20	20	35	25	25
10	70	55	60	40	30	35	30	20	25	40	25	30
11	75	30	50	40	25	30	35	20	25	35	25	30
12	45	30	35	35	20	25	30	20	25	40	25	30
13	50	35	40	25	20	20	35	20	25	40	20	30
14	50	30	40	30	20	25	30	20	25	45	25	35
15	55	30	35	30	20	25	30	20	20	40	25	30
16	45	30	35	30	25	25	35	20	25	40	30	35
17	35	30	30	35	25	30	40	20	25	40	25	30
18	40	30	30	50	35	40	30	20	25	40	25	30
19	45	30	35	60	25	45	35	25	30	40	25	30
20	40	25	30	35	20	25	35	25	30	40	25	35
21	35	20	25	45	20	25	35	20	25	45	30	35
22	35	25	30	35	20	25	35	25	30	40	30	35
23	35	20	30	35	20	25	35	25	30	50	30	35
24	50	30	35	35	20	25	40	25	30	45	30	40
25	35	25	30	30	20	25	35	30	30	45	30	35
26	35	25	30	30	20	25	45	30	40	35	30	35
27	35	25	30	40	25	30	45	20	30	55	35	40
28	35	25	30	45	30	35	30	20	25	60	40	45
29	60	25	45	40	25	30	30	20	20	50	35	40
30	60	30	40	30	20	25	30	20	20	50	35	40
31	---	---	---	30	25	25	30	20	20	---	---	---
MONTH	90	20	45	60	20	30	45	20	26	60	20	33
YEAR	180	9.8	37									

03592824 TENN-TOM WATERWAY AT CROSS ROADS, MS

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	9.1	8.5	8.7	8.6	8.1	8.2				---	---	---
2	8.6	7.7	8.2	8.5	8.0	8.2				---	---	---
3	8.1	7.1	7.6	9.2	8.3	8.5				---	---	---
4	7.0	5.3	6.4	9.0	7.8	8.0				---	---	---
5	5.5	4.9	5.1	8.5	8.0	8.3				---	---	---
6	5.7	5.0	5.3	8.5	7.6	8.1				---	---	---
7	5.9	5.3	5.5	8.6	7.6	8.1				---	---	---
8	6.1	5.7	5.9	8.5	8.0	8.3				---	---	---
9	6.8	6.2	6.4	9.0	8.7	8.9				---	---	---
10	7.3	6.6	6.9	9.8	9.6	9.7				---	---	---
11	7.7	7.2	7.4	9.6	9.5	9.6				---	---	---
12	8.2	7.7	8.0	9.5	9.3	9.4				---	---	---
13	8.9	7.7	8.3	9.4	9.3	9.3				---	---	---
14	9.3	8.5	8.9	9.4	7.5	9.0				---	---	---
15	9.5	9.1	9.2	7.4	6.7	7.0				---	---	---
16	9.4	9.1	9.2	7.4	6.9	7.2				---	---	---
17	9.5	9.1	9.3	7.7	7.2	7.4				---	---	---
18	9.5	9.1	9.3	7.3	7.0	7.2				---	---	---
19	9.6	9.2	9.4	7.9	7.4	7.7				12.2	11.9	12.1
20	9.4	8.9	9.2	8.4	7.7	8.0				12.8	11.9	12.3
21	9.0	8.5	8.7	8.7	8.4	8.6				12.9	12.2	12.7
22	8.6	8.4	8.5	9.4	9.1	9.2				12.3	12.0	12.1
23	8.4	8.0	8.2	---	---	---				12.2	11.9	12.0
24	8.0	6.8	7.5	---	---	---				12.2	11.1	11.5
25	8.3	7.1	7.7	---	---	---				11.1	10.8	11.0
26	---	---	---	---	---	---				10.8	10.6	10.7
27	---	---	---	---	---	---				11.1	10.7	10.8
28	8.2	7.4	7.8	---	---	---				11.0	10.9	11.0
29	7.9	7.2	7.5	---	---	---				11.1	10.9	11.0
30	8.5	7.8	8.0	---	---	---				11.1	10.9	11.0
31	8.6	8.1	8.3	---	---	---				10.9	10.8	10.9
MONTH	9.6	4.9	7.8	9.8	6.7	8.4				12.9	10.6	11.5

03592824 TENN-TOM WATERWAY AT CROSS ROADS, MS

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	10.8	10.5	10.6	12.2	11.8	12.0	10.8	10.5	10.6	---	---	---
2	10.6	10.4	10.5	12.2	11.9	12.1	11.0	10.4	10.8	---	---	---
3	10.7	10.5	10.6	12.2	12.0	12.1	10.8	10.5	10.7	---	---	---
4	10.8	10.6	10.7	12.3	11.7	12.1	---	---	---	---	---	---
5	10.7	10.5	10.6	12.1	11.7	11.9	---	---	---	---	---	---
6	10.9	10.6	10.7	11.9	11.5	11.7	---	---	---	---	---	---
7	11.1	10.6	10.8	11.8	11.6	11.6	---	---	---	---	---	---
8	11.0	10.8	10.9	12.2	11.5	11.9	---	---	---	---	---	---
9	11.5	11.0	11.2	11.9	11.6	11.7	---	---	---	---	---	---
10	11.8	11.2	11.5	12.0	11.5	11.8	---	---	---	---	---	---
11	12.0	11.4	11.7	12.1	11.8	11.9	---	---	---	7.2	6.6	7.1
12	11.8	11.3	11.6	12.0	11.6	11.8	---	---	---	6.7	5.4	6.3
13	12.1	11.2	11.6	12.9	11.8	12.3	---	---	---	6.8	5.6	6.4
14	11.9	10.9	11.3	12.8	11.8	12.1	---	---	---	6.8	6.5	6.7
15	11.8	10.9	11.3	12.5	11.5	12.0	---	---	---	7.3	6.4	6.8
16	11.7	10.8	11.3	12.0	11.4	11.6	---	---	---	7.1	6.2	6.6
17	12.3	11.0	11.6	11.3	10.9	11.1	10.8	10.4	10.6	7.4	6.4	7.0
18	11.7	11.2	11.4	11.1	10.5	10.7	10.6	10.2	10.3	7.4	6.5	6.8
19	11.6	11.2	11.5	10.5	10.2	10.4	10.3	9.9	10.1	7.2	5.6	6.3
20	12.0	11.4	11.7	10.5	10.0	10.3	10.3	9.5	10.0	6.8	5.7	6.2
21	11.8	11.5	11.6	10.4	9.9	10.2	10.2	8.9	9.8	7.1	6.2	6.7
22	11.9	11.4	11.6	10.4	10.2	10.3	9.0	8.6	8.9	6.9	6.1	6.5
23	12.0	11.2	11.6	10.8	10.3	10.5	9.4	8.8	9.1	7.8	5.2	6.7
24	12.2	11.7	12.0	10.7	10.3	10.5	9.2	8.8	8.9	7.7	6.9	7.3
25	12.8	12.2	12.5	10.4	10.2	10.3	9.0	8.3	8.7	7.6	6.6	7.1
26	12.2	11.5	11.8	10.3	9.7	10.0	8.4	7.6	7.9	7.0	5.3	6.2
27	11.5	11.2	11.3	10.2	9.8	10.0	8.2	7.5	7.8	7.3	5.1	6.2
28	11.9	11.4	11.7	10.0	9.7	9.8	---	---	---	7.0	3.8	5.5
29	12.1	11.6	11.8	10.2	9.9	10.0	---	---	---	8.2	6.6	7.1
30	---	---	---	10.3	10.0	10.1	---	---	---	8.4	6.6	7.6
31	---	---	---	10.8	10.2	10.5	---	---	---	8.2	6.4	7.3
MONTH	12.8	10.4	11.3	12.9	9.7	11.1	11.0	7.5	9.6	8.4	3.8	6.7

03592824 TENN-TOM WATERWAY AT CROSS ROADS, MS

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.0	6.3	6.8	7.4	6.8	7.1	8.2	7.4	7.8	7.5	6.5	6.9
2	8.3	6.6	7.4	7.6	6.7	7.2	8.0	7.6	7.8	7.0	5.9	6.5
3	7.6	6.0	6.5	7.5	5.5	6.6	7.8	7.1	7.4	6.6	5.6	6.3
4	6.8	5.3	6.4	6.1	4.8	5.6	7.5	7.1	7.3	7.2	5.8	6.3
5	7.2	5.1	6.3	5.7	4.1	4.7	7.6	7.2	7.4	7.3	6.1	6.8
6	6.7	4.9	6.2	5.1	4.4	4.8	7.8	6.7	7.1	7.4	5.8	6.8
7	6.8	4.3	5.8	6.1	4.1	5.0	7.9	7.2	7.5	7.3	6.2	6.6
8	6.4	4.4	5.8	6.3	5.8	6.1	7.8	7.2	7.5	7.2	6.2	6.8
9	6.6	4.8	5.8	5.9	5.1	5.6	7.6	7.3	7.4	7.4	6.9	7.1
10	7.7	6.2	6.8	6.1	5.1	5.9	8.3	7.1	7.3	7.1	6.3	6.7
11	7.7	6.4	7.0	6.5	4.2	5.6	8.1	6.6	7.2	6.9	6.2	6.5
12	7.4	5.2	6.3	7.3	5.4	6.1	7.7	6.6	7.2	7.2	6.5	6.9
13	7.2	5.3	6.0	7.4	5.5	6.8	7.8	6.4	6.9	7.4	6.6	7.0
14	6.1	4.7	5.2	7.0	4.5	6.2	7.6	6.7	7.2	7.1	6.3	6.8
15	5.7	3.9	4.6	6.9	4.1	6.3	7.6	6.6	6.9	7.7	6.7	7.1
16	6.4	4.2	5.2	7.6	6.3	6.8	7.0	6.4	6.7	8.1	7.1	7.5
17	6.4	4.5	5.9	7.6	6.8	7.0	7.5	6.1	6.7	7.9	6.7	7.1
18	6.2	4.4	5.7	8.5	6.6	7.2	7.5	6.5	7.0	7.9	6.7	7.3
19	5.5	4.3	4.9	8.1	6.2	7.2	7.5	6.2	6.5	7.9	7.1	7.5
20	6.5	4.3	5.2	8.1	6.6	7.2	7.4	6.3	6.7	7.8	7.2	7.4
21	7.1	4.9	6.1	8.0	7.3	7.6	7.5	6.0	6.6	7.8	7.2	7.4
22	6.5	5.2	5.8	7.9	7.0	7.5	7.0	6.4	6.7	7.5	6.9	7.2
23	6.8	5.8	6.3	7.6	6.9	7.3	7.4	6.3	6.7	7.6	7.1	7.3
24	6.2	5.5	5.8	7.5	6.6	7.0	7.8	6.4	7.1	7.4	7.0	7.2
25	8.1	5.8	6.5	6.7	5.9	6.5	7.4	6.6	7.0	7.6	7.0	7.2
26	8.0	6.5	7.3	7.6	6.5	7.1	6.8	5.6	6.2	7.3	7.1	7.2
27	8.2	6.9	7.5	7.6	7.1	7.3	7.5	6.0	6.6	7.7	7.1	7.3
28	8.2	6.8	7.3	7.8	7.0	7.3	7.1	6.4	6.7	8.1	7.3	7.7
29	7.6	6.8	7.1	7.9	7.2	7.6	6.8	6.4	6.5	8.6	7.8	8.2
30	8.0	7.1	7.4	8.4	7.3	7.7	7.2	6.0	6.5	8.3	7.8	7.9
31	---	---	---	8.4	7.4	7.9	7.7	6.4	6.7	---	---	---
MONTH	8.3	3.9	6.2	8.5	4.1	6.6	8.3	5.6	7.0	8.6	5.6	7.1
YEAR	12.9	3.8	8.3									

03592824 TENN-TOM WATERWAY AT CROSS ROADS, MS

SEDIMENT, SUSPENDED CONCENTRATION (MG/L), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9	8	28	4	11	12	22	26	18	8	8	1
2	7	8	17	6	12	12	9	35	14	7	6	1
3	8	8	17	10	11	12	7	---	11	7	7	2
4	9	7	18	14	9	12	6	---	13	6	7	9
5	7	6	21	16	10	12	8	---	8	6	6	12
6	6	---	20	12	7	12	8	---	8	7	6	11
7	6	---	22	10	1	10	7	---	6	7	8	12
8	5	---	18	12	0	12	6	---	6	7	8	14
9	4	---	18	9	2	4	6	---	6	9	8	10
10	6	---	16	12	2	6	8	18	6	9	8	12
11	6	---	14	13	0	2	6	24	2	20	7	10
12	6	---	11	11	2	2	5	17	4	21	8	10
13	8	---	8	12	2	6	4	16	5	8	7	9
14	8	---	6	9	4	6	4	14	6	11	7	8
15	8	---	5	8	2	8	4	14	6	6	1	10
16	10	3	10	10	0	12	4	14	6	6	3	10
17	8	---	12	12	4	10	7	14	6	6	4	10
18	10	0	8	9	0	10	10	12	4	8	4	15
19	10	0	8	10	0	7	28	11	6	8	4	9
20	9	0	7	9	2	8	10	10	4	10	2	8
21	6	2	6	10	2	8	9	8	4	8	5	6
22	6	2	6	8	6	8	10	8	14	12	5	8
23	6	2	5	7	12	8	14	16	11	5	6	6
24	8	8	8	8	12	6	12	8	13	6	5	7
25	9	10	6	8	12	7	14	6	5	6	8	6
26	6	12	6	10	9	7	12	8	6	16	8	6
27	6	12	6	9	8	8	14	8	8	2	6	6
28	8	14	5	7	14	7	16	8	5	4	7	5
29	8	22	6	8	18	16	30	15	18	4	6	6
30	8	20	6	10	---	19	26	18	10	6	6	10
31	9	---	4	10	---	21	---	28	---	9	14	---
MEAN	7	8	11	10	6	9	11	15	8	8	6	8

WTR YR 1984 MEAN 9 MAX 35 MIN 0

APPENDIX C

DISPOSAL AREA DATA

APPENDIX C

DISPOSAL AREA DATA

DESCRIPTIONS OF WELLS AND RAIN-GAGE SITES

DESCRIPTIONS OF WELLS

USGS LOCAL WELL NO.	USCE WELL NO.	OWNER	1984 ANAL-YSIS	LOCATION SECTION TOWNSHIP RANGE	YEAR DRIL-LED	ALTI-TUDE ABOVE NGVD (FT)	WELL DEPTH (FT)	CAS-ING DIAM. (IN)	PRIOR ANAL-YSIS
TISHOMINGO COUNTY, MS									
B032	602A-A	USCE	yes	17 02S 10E	1980	446	34	4	yes
B033	602A-B	USCE	no	17 02S 10E	1980	446	22	4	no
J069	1507-A	USCE	no	06 05S 10E	1980	488	22	4	no
J070	1507-B	USCE	yes	06 05S 10E	1980	488	35	4	yes
J071	1704-A	USCE	yes	17 05S 10E	1980	440	35	4	yes
J072	1704-B	USCE	yes	17 05S 10E	1980	440	23	4	yes

DESCRIPTIONS OF RAIN-GAGE SITES

STATION NUMBER	STATION NAME	LATI-TUDE	LONGI-TUDE	SEQ. NO.	HYDROLOGIC UNIT CODE
344047088171950	Rain Gage at USCE Disposal Area 1507	34 40 47	088 17 19	50	03160101
344507088183750	Rain Gage at USCE Disposal Area 1201	34 45 07	088 18 37	50	06030005
345428088161950	Rain Gage at USCE Disposal Area 602A	34 54 28	088 16 19	50	06030005

APPENDIX C

DISPOSAL AREA DATA

WATER-QUALITY ANALYSES

STATION NUMBER	STATION NAME	DATE OF SAMPLE	TIME	SAMPLE SOURCE	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)
345428088161980	B032 USCE 602A-A DISPOSAL AREA WELL	83-11-17	1240	1004	27.75	34.30
		84-02-01	1415	1004	25.82	34.30
		84-05-15	1225	1004	24.37	34.30
		84-08-01	1250	1004	25.98	34.30
344047088171981	J070 USCE 1507-B DISPOSAL AREA WELL	83-11-17	1120	1004	13.38	19.00
		84-02-01	1245	1004	14.42	19.00
		84-05-15	1115	1004	11.68	19.00
		84-08-01	1130	1004	8.80	19.00
343855088155380	J071 USCE 1704-A DISPOSAL AREA WELL	83-11-17	0945	1004	25.22	32.00
		84-02-01	1145	1004	23.69	32.00
		84-05-15	1005	1004	21.41	32.00
		84-08-01	0945	1004	21.26	32.00
343855088155381	J072 USCE 1704-B DISPOSAL AREA WELL	83-11-17	0950	1004	17.07	21.00
		84-02-01	1120	1004	11.58	21.00
		84-05-15	1010	1004	8.72	21.00
		84-08-01	0950	1004	12.30	21.00

STATION NUMBER	DATE OF SAMPLE	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	ACIDITY (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
345428088161980	83-11-17	406	5.5	17.5	3	25	0	.2	9.9	4.4	3.3
	84-02-01	655	5.5	17.5	200	58	0	2.1	104	12	6.9
	84-05-15	514	5.4	17.0	8	38	0	1.7	84	8.2	4.2
	84-08-01	383	5.4	17.0	2	25	0	1.6	79	4.9	3.1
344047088171981	83-11-17	725	5.0	19.0	2	240	190	.1	5.0	53	25
	84-02-01	783	4.8	16.5	50	260	210	3.3	164	58	29
	84-05-15	678	4.6	16.0	5	250	230	.2	9.9	57	26
	84-08-01	490	4.9	20.0	1	190	150	1.5	74	45	20
343855088155380	83-11-17	890	4.3	18.0	1	460	--	.2	9.9	100	52
	84-02-01	929	5.0	17.5	10	450	430	1.1	55	97	50
	84-05-15	871	4.4	17.0	5	340	--	1.4	70	77	36
	84-08-01	742	4.5	19.0	<1	280	--	3.4	169	65	29
343855088155381	83-11-17	1040	4.9	18.5	1	470	--	.4	20	130	36
	84-02-01	1030	5.2	14.0	55	410	380	1.7	84	110	33
	84-05-15	952	5.1	15.5	10	360	--	.5	25	100	26
	84-08-01	1040	5.0	17.5	25	440	--	3.6	179	120	33

STATION NUMBER	DATE OF SAMPLE	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
345428088161980	83-11-17	3.1	21	.3	1.1	37	2.2	3.9	<.10	7.1	58
	84-02-01	3.4	11	.2	1.9	140	9.7	4.8	<.10	6.9	146
	84-05-15	5.3	22	.4	1.9	66	3.7	3.9	<.10	8.3	279
	84-08-01	3.2	21	.3	1.2	42	1.7	3.6	<.10	7.6	214
344047088171981	83-11-17	8.2	7	.2	7.3	45	220	3.8	<.10	13	394
	84-02-01	10	7	.3	7.0	55	300	4.3	<.10	12	508
	84-05-15	10	8	.3	7.3	19	250	.90	<.10	13	542
	84-08-01	7.8	8	.3	7.2	45	180	4.6	<.10	13	371
343855088155380	83-11-17	10	4	.2	4.9	--	520	2.7	.50	27	795
	84-02-01	11	5	.2	5.4	19	470	3.8	<.10	25	762
	84-05-15	13	8	.3	3.3	<1.0	410	.60	.20	16	787
	84-08-01	12	8	.3	3.0	<1.0	360	7.3	<.10	14	639
343855088155381	83-11-17	6.7	3	.1	9.7	<1.0	570	2.7	.20	17	874
	84-02-01	7.5	4	.2	8.3	27	500	1.5	<.10	18	790
	84-05-15	7.5	4	.2	8.0	<1.0	420	.60	<.10	18	785
	84-08-01	7.0	3	.2	9.2	<1.0	560	6.0	<.10	18	935

STATION NUMBER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
345428088161980	83-11-17	150	<.100	110000	100000	4900	4800
	84-02-01	210	<.100	170000	64000	16000	16000
	84-05-15	200	<.100	130000	120000	9700	9500
	84-08-01	150	<.100	110000	99000	4800	4700
344047088171981	83-11-17	430	<.100	79000	73000	3000	2800
	84-02-01	530	<.100	73000	73000	3100	3100
	84-05-15	410	<.100	33000	31000	3400	3100
	84-08-01	320	<.100	18000	14000	2400	2400
343855088155380	83-11-17	--	.270	3300	2500	14000	14000
	84-02-01	690	.130	2600	2600	15000	14000
	84-05-15	--	<.100	32000	32000	26000	11000
	84-08-01	--	<.100	39000	38000	8600	8500
343855088155381	83-11-17	--	.220	130000	40000	7000	6300
	84-02-01	750	.130	60000	52000	5400	5400
	84-05-15	--	<.100	61000	61000	4200	4200
	84-08-01	--	<.100	75000	70000	6100	6100

APPENDIX C

DISPOSAL AREA DATA

RAINFALL

3440470881719 50 RAIN GAGE AT USCE DISPOSAL AREA 1507

RAINFALL, ACCUMULATED (INCHES), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
SUMMATION VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	---	.00	.00	.68	.00	.00	.00	.01	.00
2	.00	.00	1.56	---	.02	.48	.00	1.90	.00	.00	.01	.00
3	.00	.11	4.21	---	.31	.17	.00	.66	.00	.00	.00	.02
4	.09	.25	.00	---	.00	.00	.00	.00	.00	.00	.14	.00
5	.00	.00	.30	---	.00	.00	.00	.02	.00	.46	.00	.00
6	.00	.00	.01	---	.00	.00	.11	.00	.00	.01	.00	.00
7	.00	.00	.00	---	.00	.00	.00	1.56	.00	.36	.00	.00
8	.00	.00	.04	---	.00	.03	---	.15	.00	.00	.00	.00
9	.00	.00	.05	---	.41	.00	---	.01	.00	.00	.35	.01
10	.00	.00	.42	---	.00	.39	.00	.00	.00	.00	.13	1.03
11	.17	.00	.00	---	.60	.00	.00	.00	.00	.07	.00	.01
12	.82	.00	.00	---	.08	.00	.00	.00	.00	.01	.00	.00
13	.18	.00	.56	---	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.11	---	.11	.16	.00	.00	.00	.00	.11	.00
15	.00	.00	.00	---	.00	.43	.03	.00	.28	.00	.01	.00
16	.00	.00	---	---	.00	.00	.11	.00	.00	.05	.00	.00
17	.00	.00	---	---	.05	.46	.00	.00	.00	1.61	.00	.00
18	.00	.00	---	---	.00	.00	.00	.00	.00	.00	.33	.00
19	.00	.61	---	---	.00	.00	.15	.00	.00	.00	.02	.00
20	.00	.77	---	---	.36	---	.05	.31	.00	.00	.00	.00
21	.03	.00	---	---	.00	---	1.76	.21	1.28	.00	.00	.00
22	.80	.00	---	---	.00	.00	.65	.00	.09	.00	.00	.00
23	.00	2.89	---	---	.00	.00	.00	.12	.35	.00	.00	.00
24	.00	.00	---	---	.89	.26	.00	.00	.00	.05	.00	.00
25	.00	.00	---	---	.10	.00	.00	.00	.00	.01	.00	.00
26	.00	.00	---	---	.04	.00	.17	.80	.00	.00	.00	.00
27	.00	.00	---	---	.00	.89	.00	2.61	.00	.33	.00	.00
28	.00	.00	---	---	.00	.07	2.94	.00	.10	.00	.16	.00
29	.00	.00	---	---	.00	.00	.00	.00	.01	.00	.01	.00
30	.00	.00	---	---	---	.00	.34	.00	.00	.00	.00	.00
31	.00	---	---	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	2.09	4.63	7.26	0.00	2.97	3.34	6.99	8.35	2.11	2.96	1.28	1.07

WTR YR 1984 TOTAL

344507088183750 RAIN GAGE AT USCE DISPOSAL AREA 1201

RAINFALL, ACCUMULATED (INCHES), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
SUMMATION VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2	.00	.00	1.44	.00	.02	.00	.44	.02	.00	.00	.00	.00
3	.00	.00	3.82	.00	.26	.00	.19	.02	.00	.00	.00	.05
4	.13	.33	.00	.00	.00	.45	.00	.00	.00	.00	.20	.00
5	.05	.00	.34	.00	.00	.37	.00	.00	.00	.02	.03	.00
6	.00	.00	.07	.00	.00	.03	.00	.00	.00	.00	.03	.00
7	.00	.07	.00	.00	.00	.00	.00	.14	.00	1.14	.00	.00
8	.00	.00	.00	.00	.00	.00	.14	.04	.00	.00	.00	.00
9	.00	.00	.08	.01	.03	.00	.06	.00	.00	.00	.06	.03
10	.00	.05	.00	1.06	.36	.01	.00	.00	.00	.00	.00	.10
11	.07	.00	.51	.01	.00	.00	.00	.00	.04	.00	.00	.07
12	1.93	.00	.00	.02	.58	.17	.00	.00	.00	.00	.00	.00
13	.15	.00	.44	.00	.00	.09	.00	.00	.00	.00	.00	.00
14	.00	1.61	.10	.00	.00	.01	.00	.00	.00	.00	.06	.00
15	.00	.01	.00	.03	.00	.00	.07	.00	.11	.00	.03	.00
16	.00	.00	.00	.00	.14	.00	.03	.00	.00	.08	.06	.00
17	.00	.00	.09	.02	.00	.04	.02	.00	.00	1.66	.00	.00
18	.00	.00	.00	.03	.00	.02	.00	.00	.00	.00	.01	.00
19	.00	1.19	.00	.00	.05	.02	.10	.00	.00	.00	.01	.00
20	.00	.20	.00	.00	.00	.12	.02	.17	.00	.00	.00	.00
21	.00	.00	.42	.00	.00	.01	.01	.01	.92	.00	.00	.00
22	.64	.63	.05	.00	.13	.00	.00	.00	.17	.00	.00	.00
23	.00	2.10	.00	.80	.04	.00	.00	.02	.20	.00	.00	.00
24	.00	.00	.00	.04	.00	.16	.00	.00	.02	.00	.00	.00
25	.00	.00	.00	.00	.00	.01	.00	.00	.00	.32	.00	.00
26	.00	.00	.00	.00	.25	.01	.03	.18	.00	.00	.00	.00
27	.00	.90	.77	.00	.12	.04	.03	.14	.00	1.20	.00	.00
28	.00	.00	.40	.00	.00	.02	.21	.00	.00	.00	.10	.00
29	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	---	.03	.01	.00	.00	.00	.02	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.01	.00	---
TOTAL	2.97	7.09	8.53	2.02	1.99	1.61	1.36	0.74	1.46	4.43	0.61	0.25

WTR YR 1984 TOTAL

345428088161950 RAIN GAGE AT USCE DISPOSAL AREA 602A

RAINFALL, ACCUMULATED (INCHES), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
SUMMATION VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00
2		---	2.20	.00	.04	.00	.35	2.87	.00	.00	.00	.00
3		---	3.63	.00	.22	.00	.27	1.00	.00	.00	.00	.28
4		---	.00	.00	.00	.58	.00	.00	.00	.00	.23	.00
5		---	.37	.00	.00	.40	.00	.06	.00	.24	.00	.00
6		---	.03	.00	.00	.05	.00	.00	.00	.00	.00	.00
7		---	.00	.00	.00	.00	.00	1.48	.00	.40	.00	.00
8		---	.00	.00	.00	.00	.50	.27	.00	.00	.00	.00
9		---	.37	.01	.04	.00	.00	.00	.00	.00	.01	.02
10		---	.00	.89	.39	.05	.00	.00	.00	.00	.01	.26
11		---	.55	.01	.00	.00	.00	.00	.00	.37	.00	.02
12		---	.00	.23	.58	.25	.00	.00	.00	.00	.00	.00
13		---	.47	.00	.00	.51	.00	.00	.00	.00	.11	.00
14		---	.14	.00	.00	.00	.00	.00	.00	.00	.00	.00
15		.00	.00	.00	.00	.03	.03	.00	.00	.00	.00	.00
16		.00	.00	.00	.13	.09	.16	.00	.00	.35	.23	.00
17		.00	.08	.01	.00	1.00	.00	.00	.00	.94	.00	.00
18		.00	.00	.09	.00	.02	.00	.00	.00	.00	.11	.00
19		1.58	.00	.00	.00	.27	.12	.00	.00	.00	.05	.00
20		.08	.00	.00	.00	.23	.07	.12	.03	.00	.00	.00
21		.00	.57	.00	.00	.01	1.78	.02	2.86	.00	.00	.00
22		.73	.10	.00	.00	.00	.37	.00	.36	.00	.18	.00
23		2.54	.00	.74	.01	.00	.00	.24	.44	.00	.00	.00
24		.00	.00	.05	.00	.14	.00	.00	.00	.00	.00	.00
25		.01	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00
26		.00	.00	.00	.82	.00	.09	.06	.00	.00	.00	.00
27		.85	.73	.00	.32	1.82	.00	.82	.00	2.20	.00	.00
28		.00	.61	.00	.00	.14	2.67	.00	2.32	.00	.17	.00
29		.00	.00	.00	.00	.00	.17	.00	.01	.00	.00	.00
30		.00	.00	.00	---	.00	.07	.00	.00	.09	.01	.00
31		---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL		5.79	9.85	2.03	2.55	5.59	6.65	6.94	6.02	4.64	1.13	0.58
WTR YR 1984		TOTAL										