HYDROLOGIC MONITORING IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, MISSISSIPPI-ALABAMA, FISCAL YEAR 1988

By Fred Morris III

U.S. GEOLOGICAL SURVEY
Open-File Report 91-511

Prepared in cooperation with the

U.S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT

Jackson, Mississippi
1991

U.S. DEPARTMENT OF THE INTERIOR
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CONTENTS

ILLUSTRATIONS

CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
inch (in.)	25.40	millimeter
foot (ft)	0.3048	meter
mile (mi)	1.609	kilometer
square mile (mi^2)	2.590	square kilometer
acre-foot (acre-ft)	1,233	cubic meter
cubic foot per second (ft^3/s)	0.02832	cubic meter per second
gallon per minute (gal/min)	0.06308	liter per second
micromho per centimeter at 25 °Celsius (umho/cm at 25 °C)	1.000	microsiemens per centimeter at 25 °Celsius

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To convert degrees Celsius (°C) to Fahrenheit (°F), use the following:

$$°C = 5/9\ (°F-32)$$

Sea level: In this report "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)--a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called "Sea Level Datum of 1929."

HYDROLOGIC MONITORING IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, MISSISSIPPI-ALABAMA, FISCAL YEAR 1988

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ABSTRACT

This report, the fifteenth in a series of annual reports, presents hydrologic data collected in the area of the Tennessee-Tombigbee Waterway during the fiscal year ending September 30, 1988. Included in this report are data on ground-water levels; surface-water stage, discharge, and quality; and disposal-area water levels and water quality. These data were obtained at the request of the U.S. Army Corps of Engineers, Mobile District, as part of a comprehensive program to monitor the hydrologic effects of construction and operation of the Waterway.

PROGRAM CHANGES FOR 1988

For Fiscal Year 1988 (FY88), the number of wells in the ground-water network was reduced from 279 to 267, and the ground-water-quality sampling was discontinued. Beginning in FY88, water-quality samples were analyzed by the Tennessee Valley Authority (TVA) water-quality laboratory in Chattanooga, Tenn.

Explanations furnished by TVA concerning their quality-assurance programs are included in the Quality Assurance section of this report. Also, laboratory data tables furnished by TVA are printed in an appendix.

HYDROLOGIC MONITORING

Surface-water sites and observation wells in the original hydrologic monitoring network, used to define hydrologic conditions in the area of the Tennessee-Tombigbee Waterway prior to construction, are described by Brahana and others (1974) in the U.S. Army Corps of Engineers report, "First Supplemental Environmental Report, Continuing Environmental Studies, Tennessee-Tombigbee Waterway, Alabama and Mississippi." The present hydrologic monitoring network includes:

- Major aquifers that may have been stressed by the Waterway construction and operation;
- Surface-water sites near locks and dams where the effects of construction may have been greatest, or at sites of inflow or outflow;
- Areas of known or suspected hydrologic problems;
- Selected sites on and near Pickwick Lake and Demopolis Lake.

The purpose of the present hydrologic monitoring network is to document changes in the hydrologic environment that may occur during operation of the Waterway. The locations of all the hydrologic monitoring sites in the vicinity of the Waterway at which data have been collected since the beginning of the project are shown in figures 1-10, except for a few sites which are not shown because of the limited coverage of the maps (furnished by the U.S. Army Corps of Engineers, Mobile District).

Ground Water

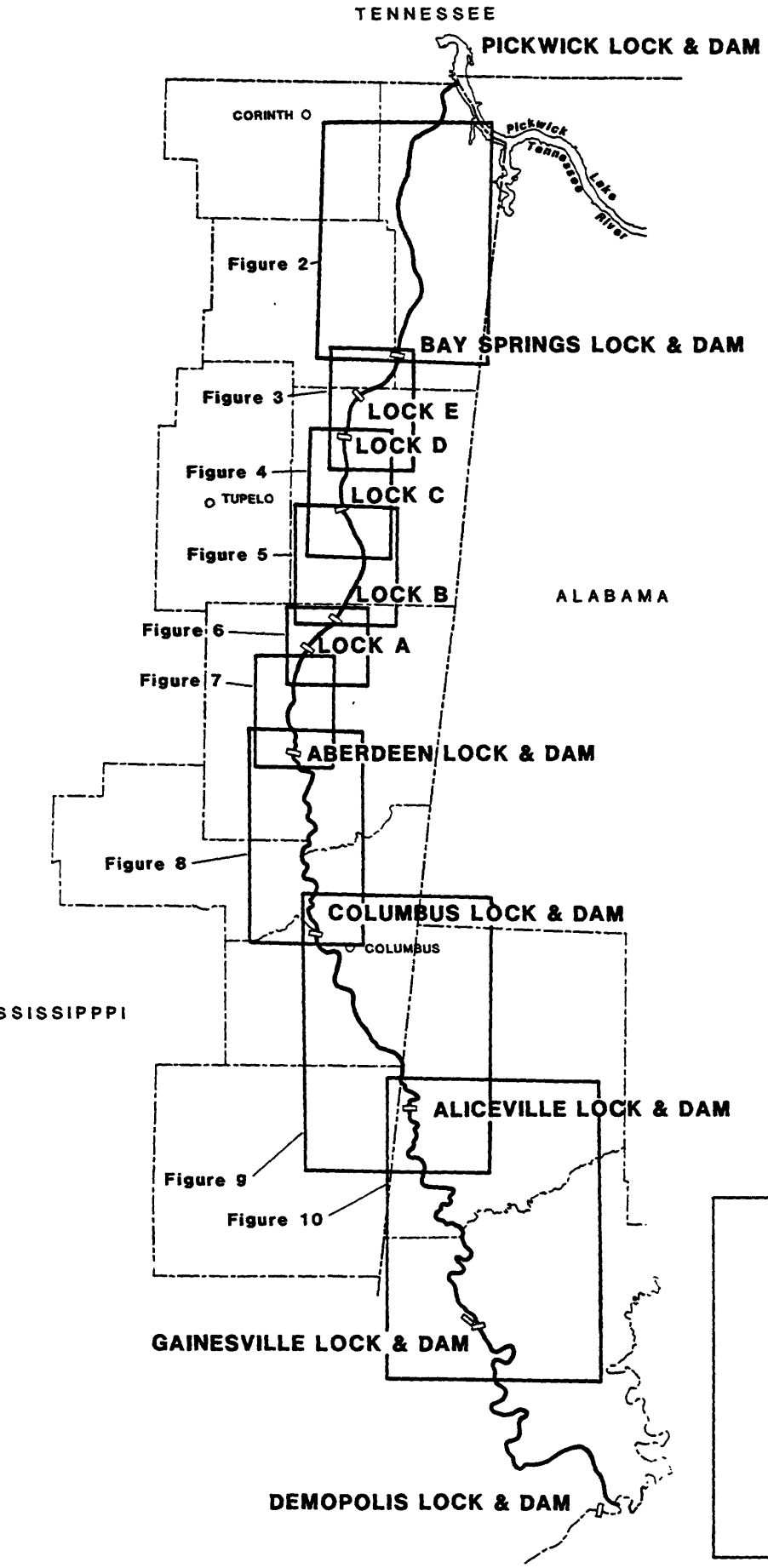
Network

The present ground-water network consists of 267 wells in the regional aquifers and the shallower alluvial and terrace aquifers. The relation between shallow water-bearing units and regional aquifers is described by Brahana and others (1974). The descriptions of wells in the network are tabulated in Appendix A.

Levels

Under natural conditions, water levels in wells fluctuate seasonally and reflect recharge to and discharge from aquifers. Water-level fluctuations ranging from less than 1 foot to more than 10 feet per year have been observed in the aquifers in the study area. Water-level fluctuations generally were larger in the alluvial and terrace aquifers than in the regional aquifers.

During FY88, water levels in all 267 observation wells in the network were scheduled to be measured quarterly by the U.S. Geological Survey (USGS). However, 11 wells (14A, 14C, 23D, 23I, 23L, 23O, 42A, 45A, GW94, GW97, and 6DP164) were either dry or could not be measured because of obstructions in the wells. Hydrographs showing water-level variations in the wells for the period of USGS record are presented in Appendix A.



TENNESSEE-TOMBIGBEE WATERWAY
HYDROLOGIC MONITORING PROGRAM

INDEX MAP

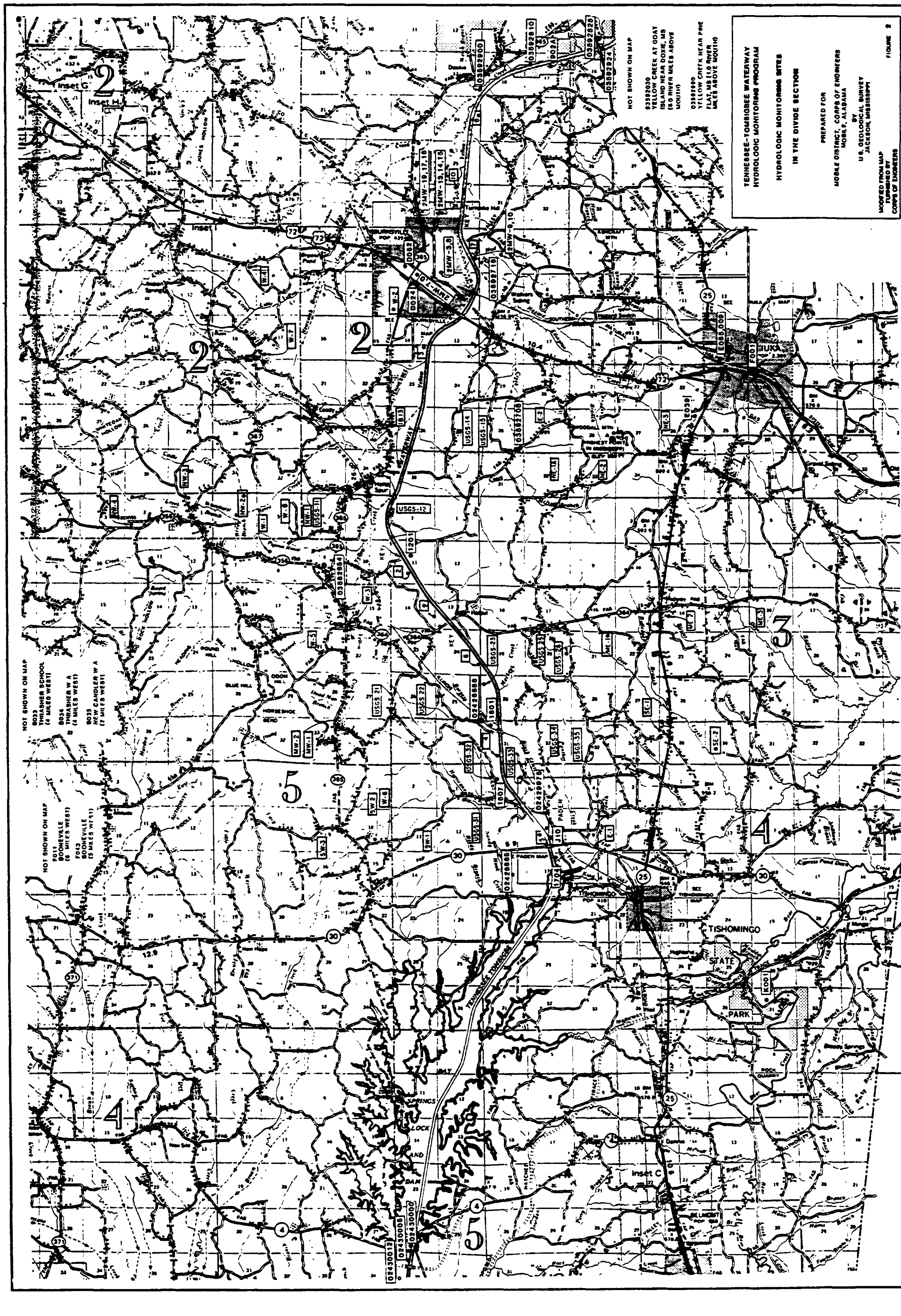
PREPARED FOR

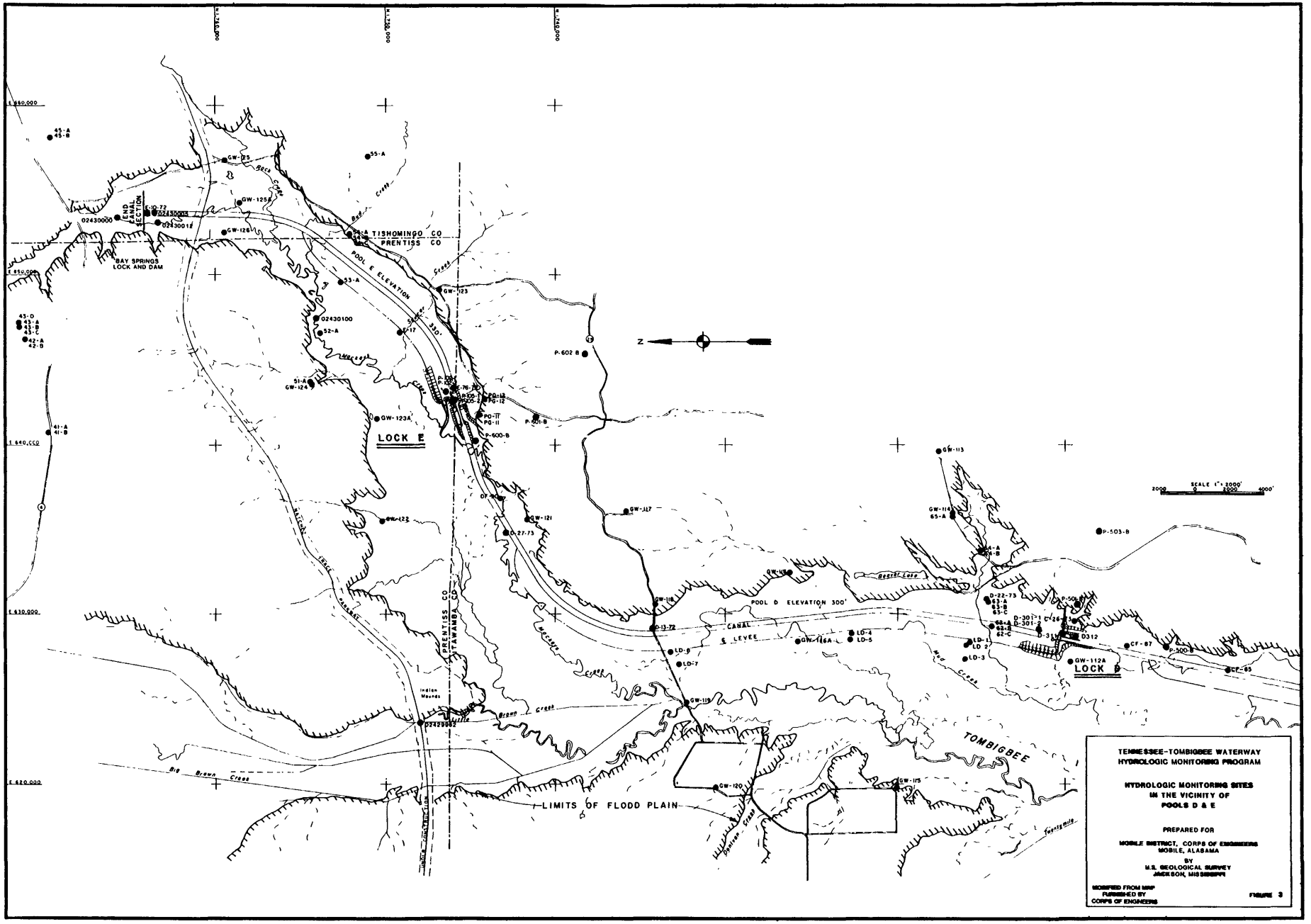
MOBILE DISTRICT, CORPS OF ENGINEERS
MOBILE, ALABAMA

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
YELLOW CREEK AT GOAT ISLAND NEAR DOXIE, MS
YELLOW CREEK NEAR PINE FLAT, MS
IUKA
BURNSVILLE
TISHOMINGO
STATE
PARK


TENNESSEE-TOMBIGBEE WATERWAY
HYDROLOGIC MONITORING PROGRAM
HYDROLOGIC MONITORING SITES
IN THE VICINITY OF
POOLS D & E
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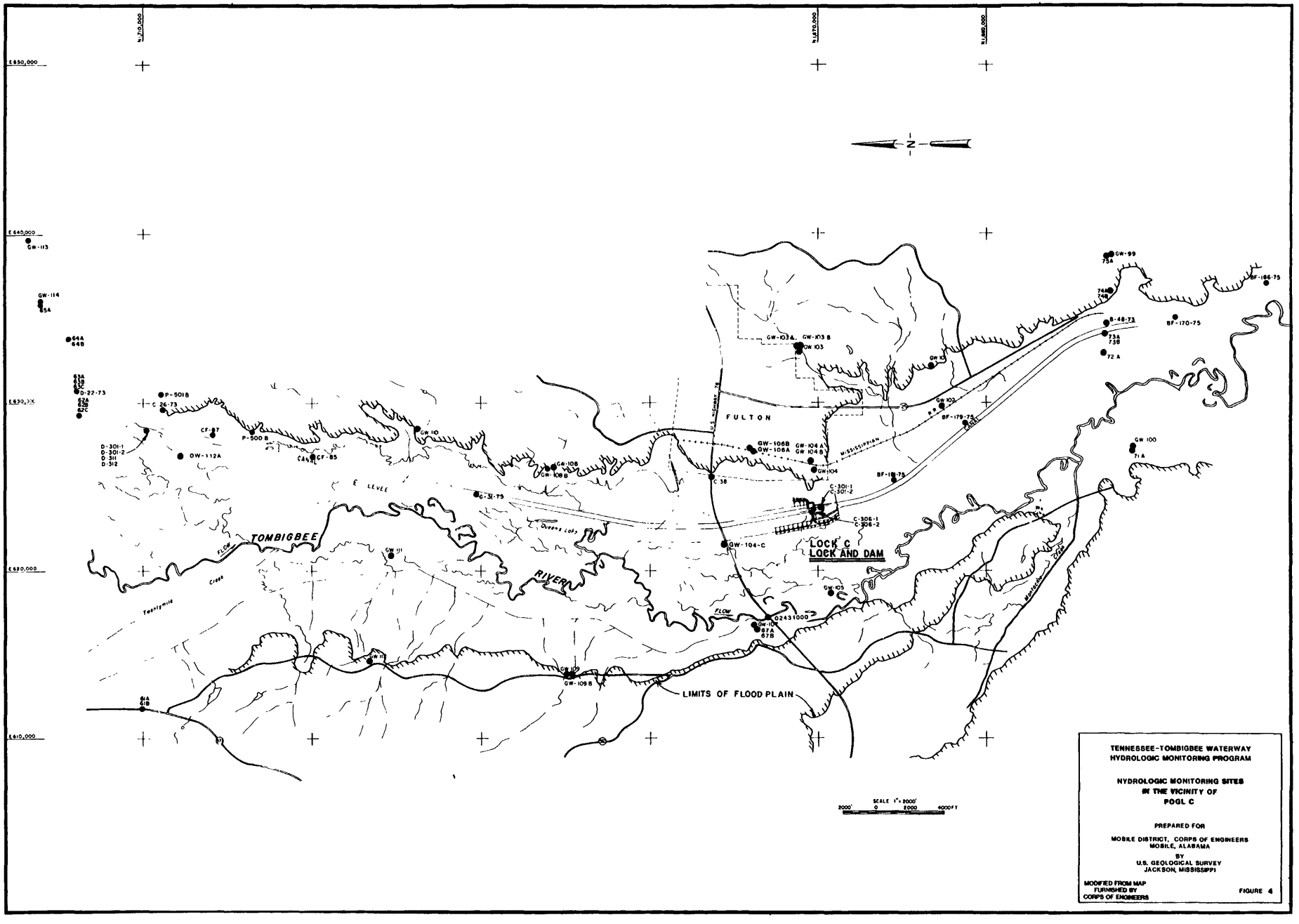
JACKSON, MISSISSIPPI
MODIFIED FROM MAP
FURNISHED BY
CORPS OF ENGINEERS
FIGURE 3
LOCK E
LOCK D
BAY SPRINGS
LOCK AND DAM
POOL E ELEVATION 330'
POOL D ELEVATION 300'
LIMITS OF FLOOD PLAIN
TOMBIGBEE
TISHOMINGO CO
PRENTISS CO
PRENTISS CO
ITAWAMBA CO
SCALE 1" = 2000'
2000 0 2000 4000'



TENNESSEE-TOMBIGBEE WATERWAY
HYDROLOGIC MONITORING PROGRAM

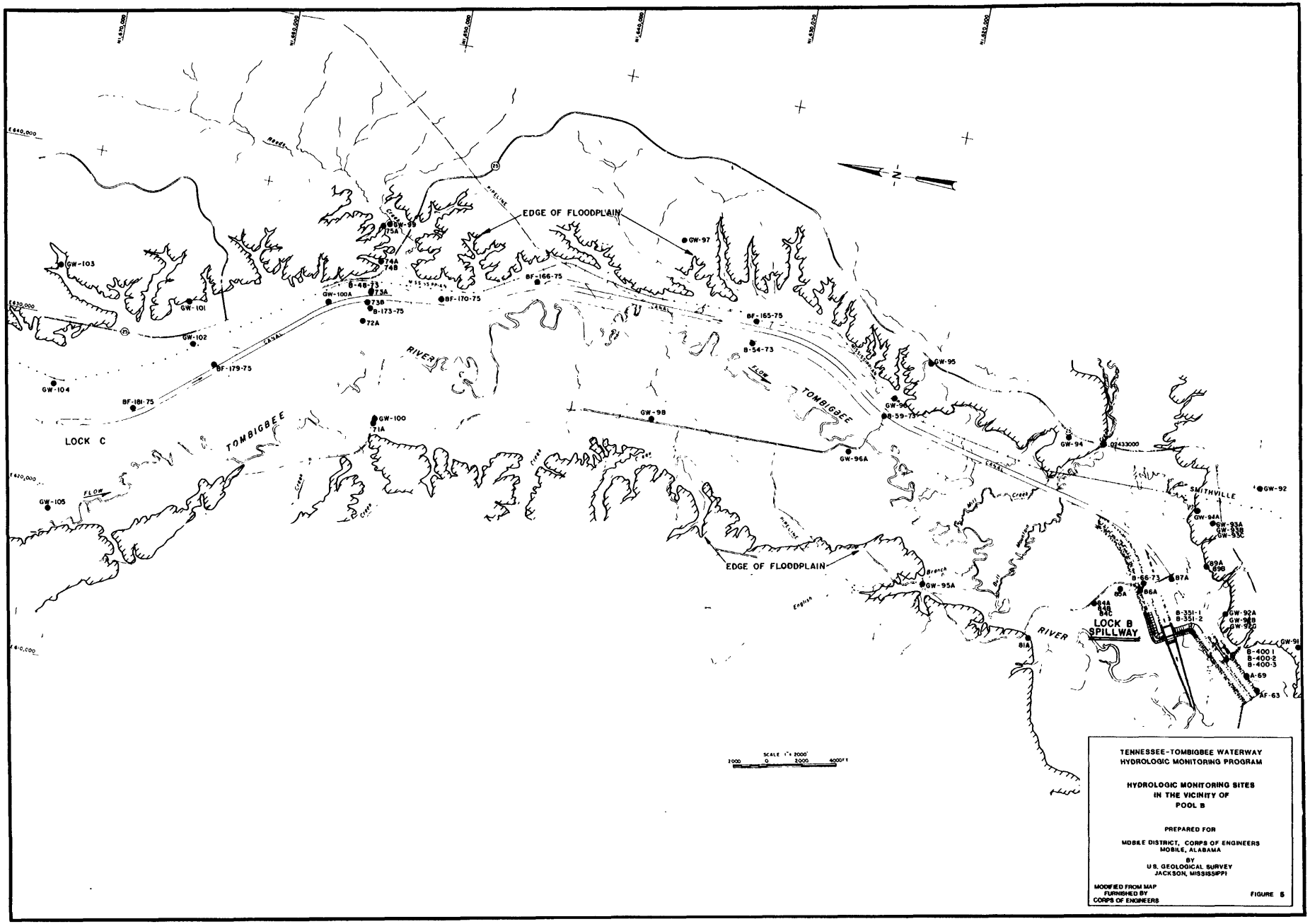
NYDROLOGIC MONITORING SITES
IN THE VICINITY OF
POGL C

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 4



TENNESSEE-TOMBIGBEE WATERWAY
HYDROLOGIC MONITORING PROGRAM

HYDROLOGIC MONITORING SITES
IN THE VICINITY OF
POOL B

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MODIFIED FROM MAP
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FIGURE 5

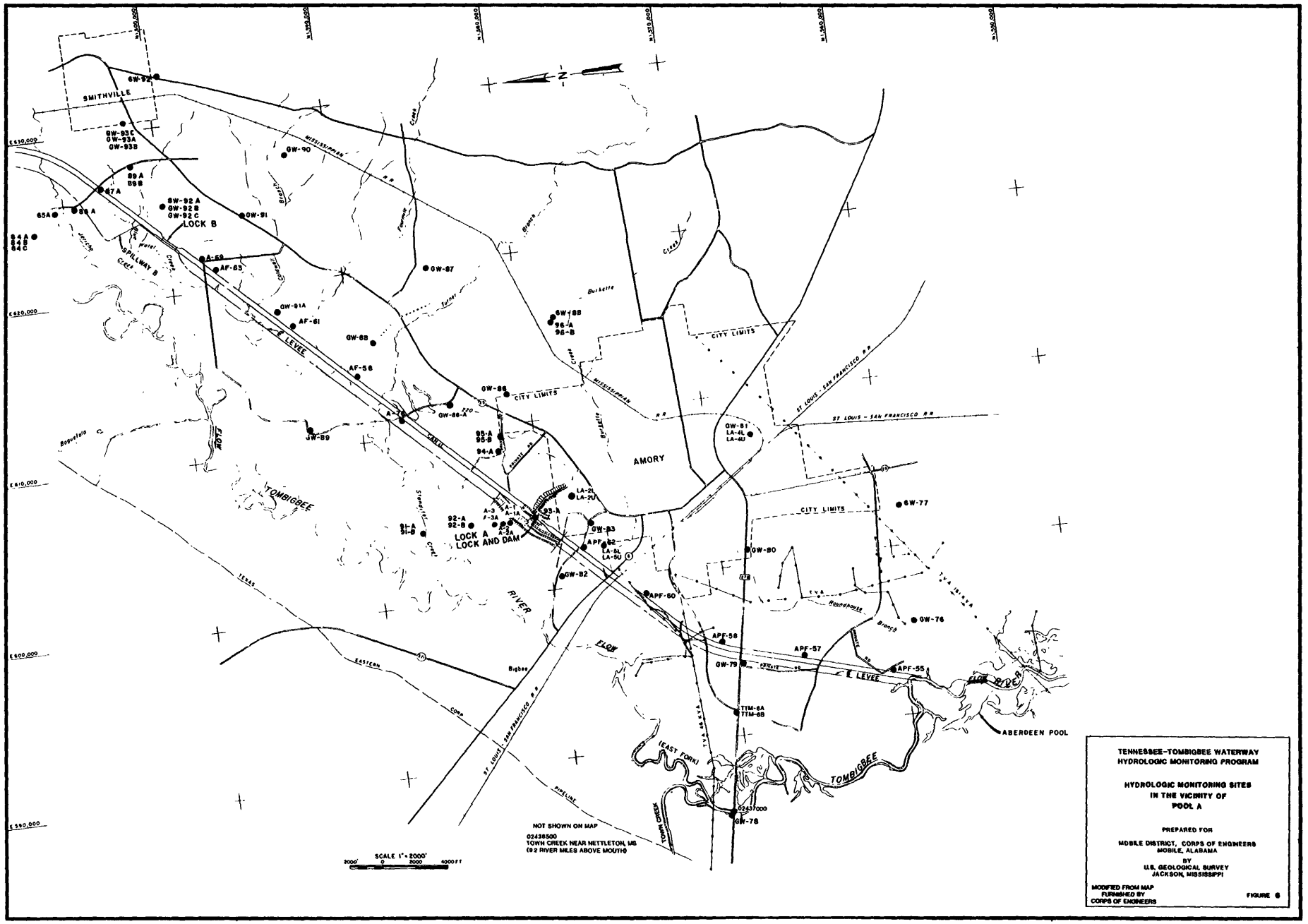
SMITHVILLE
LOCK B
SPILLWAY B
LOCK A
LOCK AND DAM
AMORY
CITY LIMITS
TOMBIGBEE
RIVER
FLOW
E LEVEE
ABERDEEN POOL
TOMBIGBEE (EAST FORK)
TOWN CREEK
NOT SHOWN ON MAP
02438500
TOWN CREEK NEAR NETTLETON, MS
(92 RIVER MILES ABOVE MOUTH)
SCALE 1" = 2000'
2000' 0 2000 4000 FT
TENNESSEE-TOMBIGBEE WATERWAY
HYDROLOGIC 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
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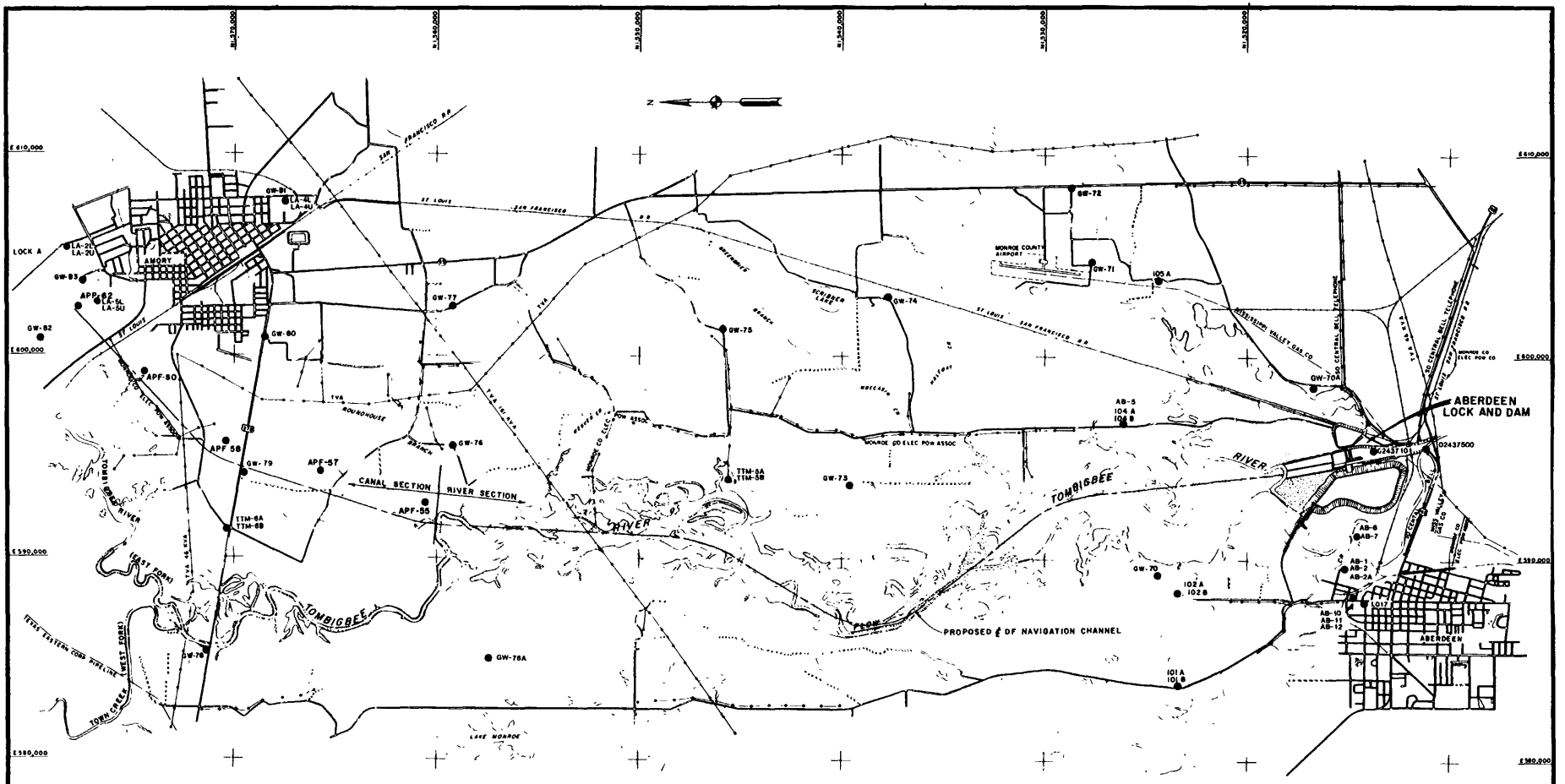
FIGURE 6



TENNESSEE-TOMBIGBEE WATERWAY
HYDROLOGIC MONITORING PROGRAM

HYDROLOGIC MONITORING SITES
IN THE VICINITY OF
ABERDEEN POOL

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MODIFIED FROM MAP
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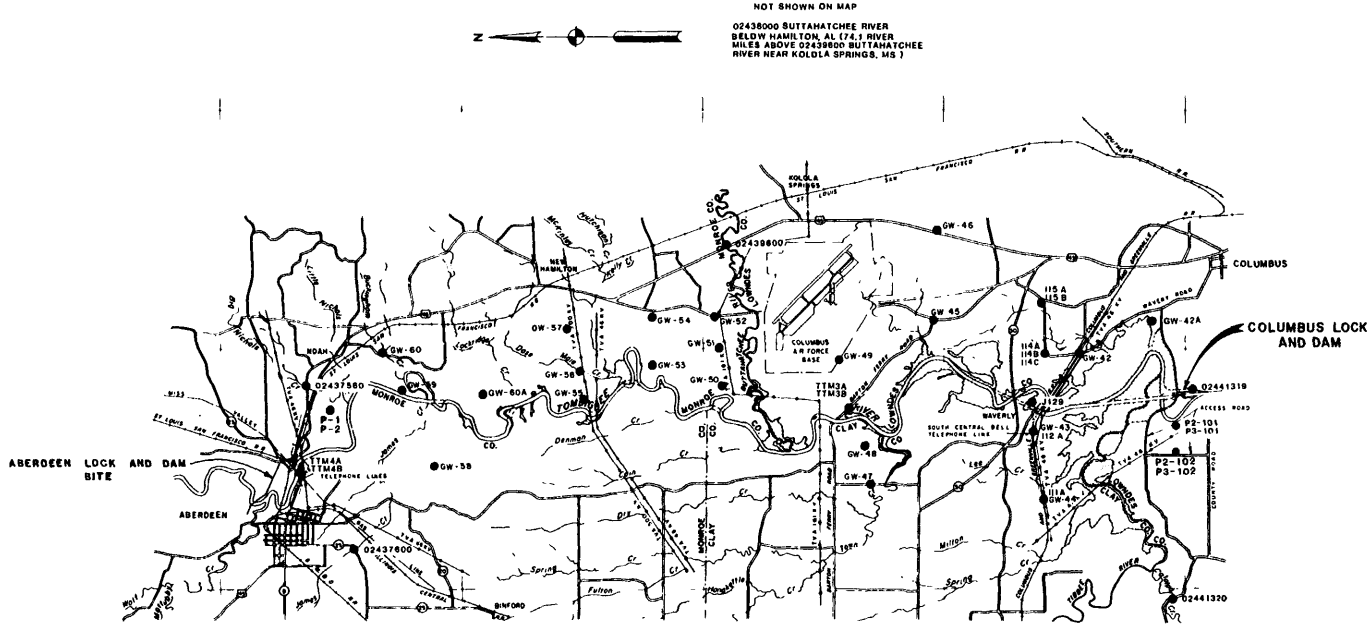
FIGURE 7



TENNESSEE-TOMBIGBEE WATERWAY
HYDROLOGIC MONITORING PROGRAM

HYDROLOGIC MONITORING SITES
IN THE VICINITY OF
COLUMBUS POOL

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JACKSON, MISSISSIPPI

MODIFIED FROM MAP
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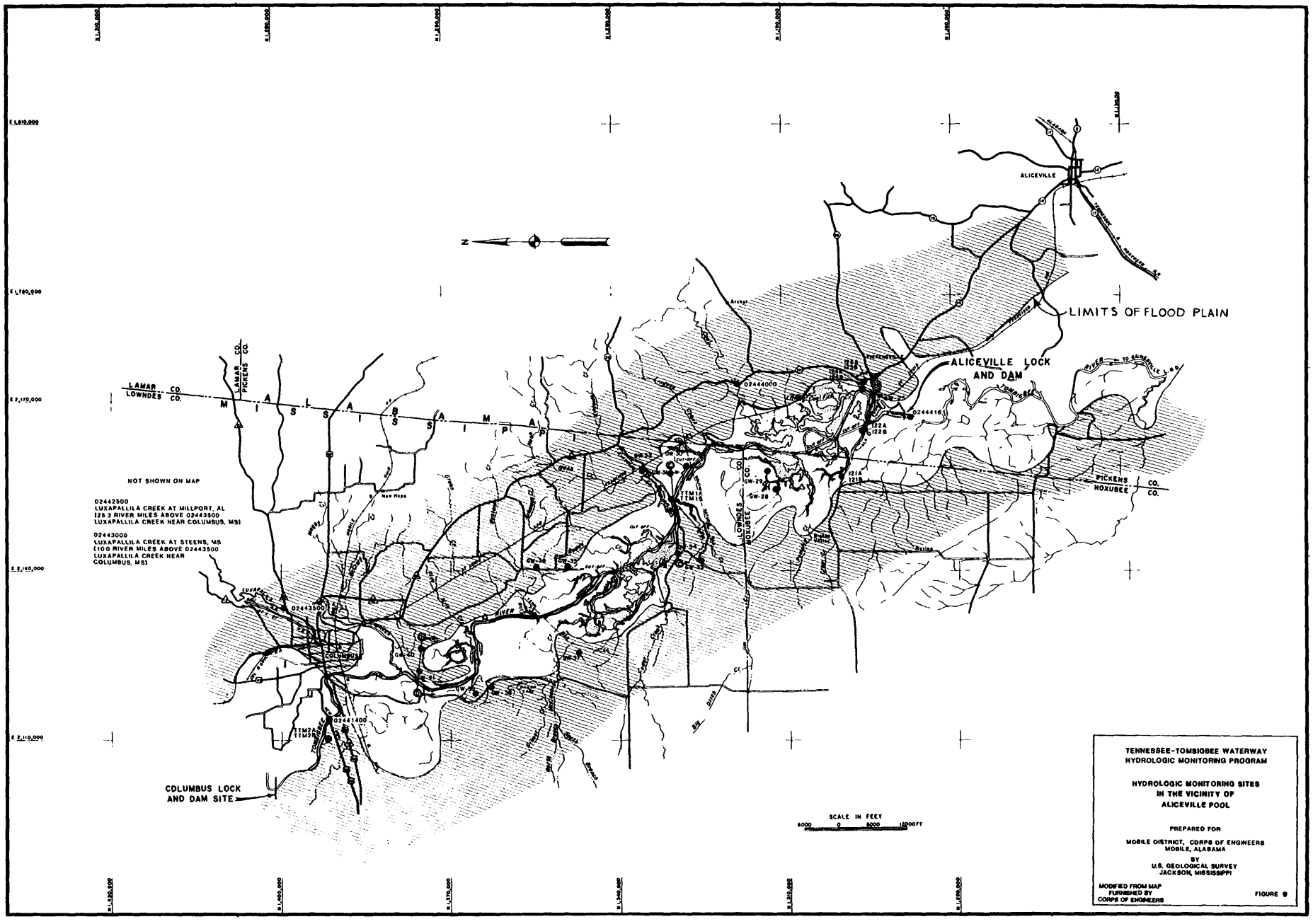
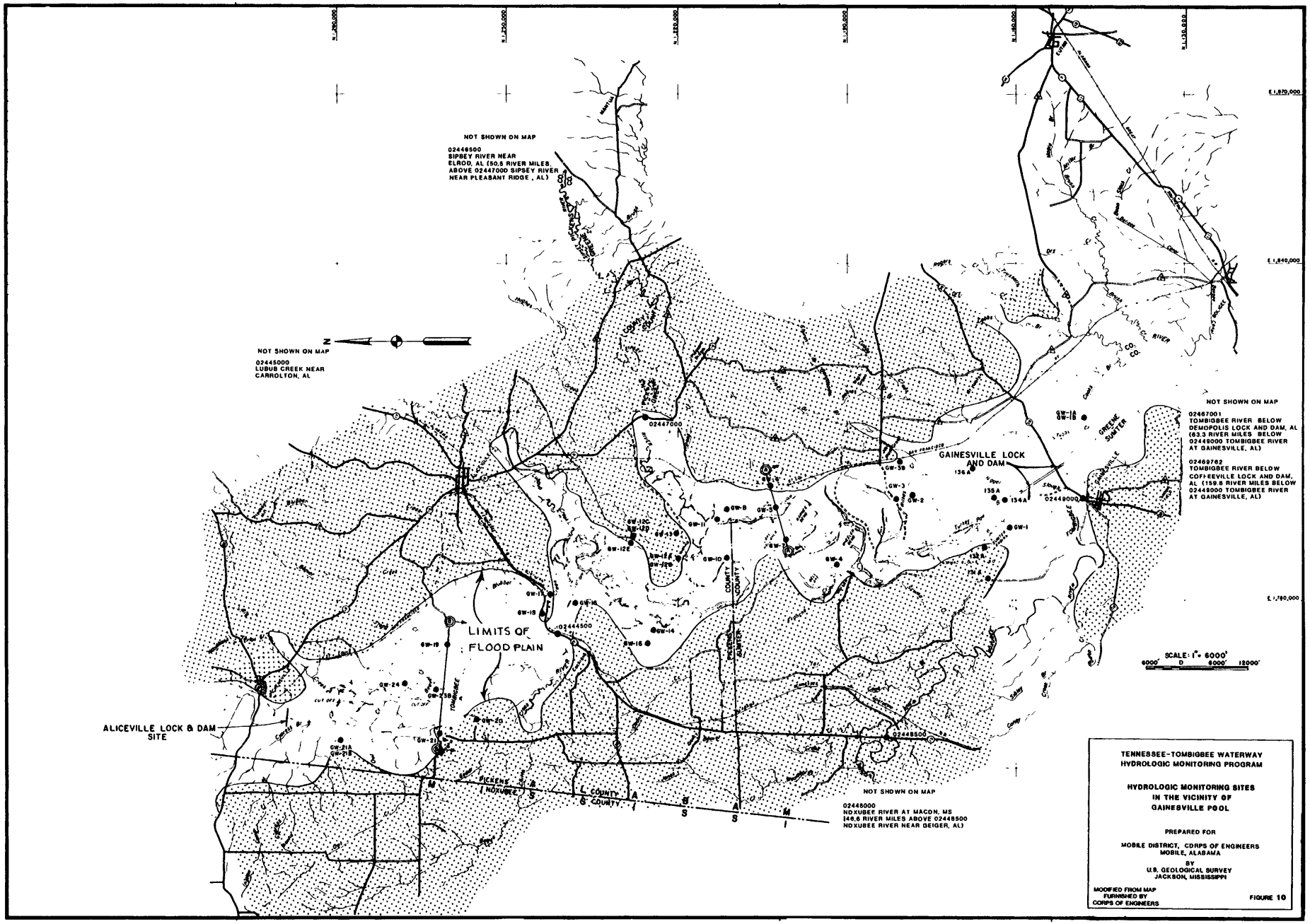
CORPS OF ENGINEERS

FIGURE 8


LIMITS OF FLOOD PLAIN
ALICEVILLE LOCK AND DAM
COLUMBUS LOCK AND DAM SITE
ALICEVILLE
COLUMBUS
LAMAR CO.
LOWNDES CO.
PICKENS CO.
NOXUBEE CO.
MISSISSIPPI
NOT SHOWN ON MAP
02442500
LUXAPALLILA CREEK AT MILLPORT, AL
125 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)
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 (50.5 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
02448500
LIMITS OF
FLOOD PLAIN
ALICEVILLE LOCK & DAM
SITE
PICKENS
COUNTY
GREENE
COUNTY
NOXUBEE
COUNTY
MISSISSIPPI
ALABAMA
NOT SHOWN ON MAP
02467001
TOMBIGBEE RIVER BELOW
DEMOPOLIS LOCK AND DAM, AL
(63.3 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
(46.6 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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MOBILE, ALABAMA
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JACKSON, MISSISSIPPI
MODIFIED FROM MAP
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FIGURE 10

Surface Water

Network

The surface-water network, which is designed to monitor water quality, currently consists of 26 sites in the area of the Tennessee-Tombigbee Waterway. Descriptions of these sites are tabulated in Appendix B.

Stage and Discharge

Surface-water stage and discharge data were collected at numerous sites (including most sites at which water-quality data were collected) in the area of the Tennessee-Tombigbee Waterway. The collection of stage and discharge data at these sites was funded by cooperative programs with various State and Federal agencies. Data collected at these sites are available either in the Jackson, Miss., or Tuscaloosa, Ala., office of the USGS.

Quality

Water-quality data were collected by the USGS at 26 surface-water sites in the network during the 1988 reporting period (Appendix B). One site, 334219088281935 TTW Columbus Lake McKinley Creek Bend SR 50A, was added at the beginning of the 1988 reporting period; and one site, 02437600 James Creek at Aberdeen, Miss., was discontinued.

Data for 02441000 Tibbee Creek near Tibbee, Miss., may not represent water-quality conditions upstream of the sampling site. Normal pool elevation of 163.00 feet above sea level for Columbus Lake creates a stage of about 8.8 feet at the Tibbee Creek site, resulting in variable backwater conditions. Measurements of stream discharge were not obtained during backwater conditions.

Results of the TVA laboratory analyses are tabulated in Appendix TVA.

Data for suspended-sediment concentration, particle-size distribution of suspended sediment, and particle-size distribution of stream bed material were collected at 02448000 Noxubee River at Macon, Miss. Data for suspended-sediment concentration and particle-size distribution of stream bed material were collected at 02436500 Town Creek near Nettleton, Miss. Specific conductance and water temperature were measured daily and miscellaneous samples were collected periodically at two sites on the lower Tombigbee River: 02449000 Tombigbee River at Gainesville, Ala. (monthly), and 02469762 Tombigbee River below Coffeeville Lock and Dam, Ala. (quarterly). The results of these USGS measurements and analyses are presented in Appendix B. Collection of these data was funded by cooperative agreements with various State and Federal agencies.

Disposal Area

The present disposal area network consists of two wells in disposal area 1704 (fig. 2). One well is open in the cast overburden material and the other is open in the natural material below the cast overburden material. The purpose of data collection is to monitor water levels in areas of cast overburden material and the quality of the water passing through the material.

Water samples were collected and water levels were measured annually by the USGS during the 1988 reporting period. Descriptions of the two wells and data collected at those sites are tabulated in Appendix C. The results of TVA laboratory analyses of these samples are tabulated in Appendix TVA.

QUALITY ASSURANCE

U.S. Geological Survey

Ground-Water Levels

The collection, analysis, and computation of ground-water level records are conducted in accordance with techniques and procedures established by the USGS and are within the guidelines recommended in the "National Handbook of Recommended Methods for 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 entitled "Techniques of Water-Resources Investigations of the U.S. Geological Survey" (TWRI). 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, 1968); and "Discharge Measurements at Gaging Stations" (Buchanan and Somers, 1969); 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 for Water-Data Acquisition" (Office of Water Data Coordination, 1977).

Water Quality

Procedures used by the USGS 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 Chapter A1, Book 5, "Methods for Determination of Inorganic Substances in Water and Fluvial Sediments" (Fishman and Friedman, 1985).

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

Tennessee Valley Authority

Aquatic Biology

The procedures used in the collection and laboratory analysis of aquatic biological samples--phytoplankton, zooplankton, periphyton--for community numbers and autotrophic indices, and benthic macroinvertebrates, are conducted in conformance with standard TVA procedures. The applicable procedures are described in "Field Operations Biological Resources Procedures Manual" (TVA, 1983) and include the following:

- Procedure NR OPS-FO-BR-21.4, "Sample Collection - Phytoplankton"
- Procedure NR OPS-FO-BR-21.5, "Sample Collection - Periphyton"
- Procedure NR OPS-FO-BR-21.6, "Sample Collection - Zooplankton"
- Procedure NR OPS-FO-BR-21.11, "Qualitative Sample Collection - Benthic Macroinvertebrates"
- Procedure S&F OPS-FO-BR-21.12, "Quantitative Sample Collection - Benthic Macroinvertebrate Sampling with a Ponar Dredge"
- Procedure NR OPS-FO-BR-22.1, "Receipt and Handling of Biological Samples"
- Procedure NR OPS-FO-BR-22.2, "Identification and Enumeration of Phytoplankton"
- Procedure NR OPS-FO-BR-22.3, "Identification and Enumeration of Periphyton"
- Procedure NR OPS-FO-BR-22.4, "Identification and Enumeration of Zooplankton"
- Procedure NR OPS-FO-BR-22.5, "Identification, Enumeration, and We Weight Biomass of Benthic Macroinvertebrates"
- Procedure NR OPS-FO-BR-22.6, "Biomass/Chlorophyll Ratio for Periphyton"
- Procedure NR OPS-FO-BR-22.9, "Coding and Verifying Aquatic Biological Laboratory Data Sheets."

In addition to the collection or analytical protocols, these procedures contain the quality control and quality-assurance techniques used by the TVA's Aquatic Biology Laboratory.

Water Quality

The procedures used in the laboratory analysis of water-quality constituents are conducted in conformance with standard TVA procedures. The applicable procedures include the following:

Surface Sampling

Water	Description	Reference
TNH_4-N	Colorimetric, Automated Phenate	EPA Method 350.1
TNO_2+NO_3-N	Colorimetric, Automated Cadmiun Reduction	EPA Method 353.2
TPO4-P	Colorimetric, Automated Block Digestor	EPA Method 365.4
DPO_4-P (total diss. ortho PO_4)	Colorimetric, Automated Ascorbic Acid	EPA Method 365.1
TON	Calculated	–
TIN	Calculated	–
TKN	Colorimetric, Semi Automated Block Digestor	EPA Method 351.2
Color, True	Colorimetric, Platinum-Cobalt	EPA Method 110.2
Turbidity	Nephelometric	EPA Method 180.2
Alkalinity	Titrimetric (pH 4.5)	EPA Method 310.1
Total MN	Inductively Coupled Plasma	EPA Method 200.7
Diss MN	Inductively Coupled Plasma	EPA Method 200.7
Total Fe	Inductively Coupled Plasma	EPA Method 200.7
Diss Fe	Inductively Coupled Plasma	EPA Method 200.7

Sediment

Total As	HNO3 + HCL Digestion:Inductively Coupled Plasma	EPA Method 200.7
Total Cd	HNO3 + HCL Digestion:Inductively Coupled Plasma	EPA Method 200.7
Total Cr	HNO3 + HCL Digestion:Inductively Coupled Plasma	EPA Method 200.7
total Co	HNO3 + HCL Digestion:Inductively Coupled Plasma	EPA Method 200.7
Total Cu	HNO3 + HCL Digestion:Inductively Coupled Plasma	EPA Method 200.7
Total Pb	HNO3 + HCL Digestion:Inductively Coupled Plasma	EPA Method 200.7
Total Hg	Cold Vapor	EPA Method 245.2
Total Zn	HNO3 + HCL Digestion:Inductively Coupled Plasma	EPA Method 200.7

Grain Size – Sieve (>63u) and Sedigraph (<63u) a. sieve (>63u) wetseive (Guy, 1969), b. sedigraph (<63u) sedigraph (Micromeritics Instrument Corporation, 1978)

Priority Pollutants (Pesticides, PCB Scan, Organochlorine herbicides)

a. Pesticides	Sonicator extraction; GC/ES	EPA Method 608
b. PCB's	Sonicator extraction; GC/ES	EPA Method 608
c. Organochloride Herbicides	Sonicator; Derivatization; GC/EC	USGS Method 05105-83

Disposal Area Wells

STORET	Parameter	Description	Reference
00080	Color, true	Colorimetric, Platinum Cobalt	EPA Method 110.2
00410	Total Alkalinity as CaCO3	Titrimetric (PH 4.5)	EPA Method 180.2
00631	Dissolved NO_3+NO_2 as N	Colorimetric, Automated Cadmiun Reduction	EPA Method 180.2
00915	Dissolved Ca	Inductively Coupled Plasma	EPA Method 200.7
00925	Dissolved MG	Inductively Coupled Plasma	EPA Method 200.7
00930	Dissolved NA	AA, Direct Aspiration	EPA Method 273.1
00935	Dissolved K	AA, Direct Aspiration	EPA Method 258.1
00946	Dissolved SO_4 asSO_4	Colorimetric, Automated Methyl Tymol Blue	EPA Method 275.2
01046	Dissolved Fe	Inductively Coupled Plasma	EPA Method 200.7
01055	Total Mn	Inductively Coupled Plasma	EPA Method 200.7

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APPENDIXES

(PAGE 23 FOLLOWS)

EXPLANATION OF CODES AND ABBREVIATIONS CONTAINED IN DATA TABLES IN THE APPENDIXES

PRINCIPAL AQUIFER

Geologic unit code	Aquifer name and age
110ALVM	Quaternary alluvium, Quaternary
110TRCS	Undifferentiated terrace deposits, Quaternary
211TBGB	Tombigbee Sand Member of Eutaw Formation, Upper Cretaceous
211EUTW	Eutaw Formation, Upper Cretaceous
211EUTWR	Eutaw Formation (Restricted), Upper Cretaceous
211EUTWL	Lower Eutaw Formation, Upper Cretaceous
211MCSN	McShan Formation, Upper Cretaceous
211GORD	Gordo Formation, Upper Cretaceous
330MSSP	Mississippian System, Mississippian

HYDROLOGIC UNIT

An eight-digit hydrologic unit code refers to a specific drainage basin as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps (Seaber and others, 1987).

WATER-QUALITY REMARKS

Remark Code	Remark
<	Actual value is known to be less than the value shown
NOT SAMPLED	Station sampled during previous years but not sampled during FY88

PARAMETERS FOR CHLOROPHYLL/BIOMASS DATA

PAM2	Pheophytin a per square meter
PI	Pheophytin Index
CAM2	Chlorophyll a per square meter
CBM2	Chlorophyll b per square meter
CCM2	Chlorophyll c per square meter
AFOW	Ash free organic weight
AI	Autotrophic Index
CCAM2	Corrected chlorophyll a per square meter
CAI	Corrected autotrophic index
.	Indicates that the analysis for that parameter was invalid.*

* Any other variables calculated using the invalid parameter are to be considered invalid also.

(PAGE 25 FOLLOWS)

APPENDIX A

GROUND-WATER DATA

(PAGE 27 FOLLOWS)

APPENDIX A

GROUND-WATER DATA

DESCRIPTIONS OF WELLS

(PAGE 29 FOLLOWS)

DESCRIPTIONS OF GROUND-WATER WELLS

LOCAL NUMBER	OWNER	PRINCIPAL AQUIFER	LAND NET LOCATION	DATE COMPLETED	ALTITUDE OF LAND SURFACE (FEET)	DEPTH OF WELL (FEET)	CASING DIAM-ETER (INCHES)	DISCHARGE (GALLONS PER MINUTE)
			ALCORN COUNTY					
L034	USCE NW1-1	211GORD	NENES32T03SR09E	04/28/1978	500	280	1.50	--
L036	USCE NW1-3	211EUTW	NESES32T03SR09E	05/12/1978	500	207	1.50	--
L038	USCE NW2-2	211GORD	NWNES06T04SR09E	04/06/1978	600	400	1.50	--
L040	USCE NW2-3	211EUTW	NWNES06T04SR09E	04/13/1978	580	327	1.50	--
L042	USCE NW3-2	211GORD	NENWS01T04SR08E	04/28/1980	590	398	1.50	--
L043	USCE NW3-3	211EUTW	NENWS01T04SR08E	06/09/1980	590	320	1.50	--
L047	USCE W4-2	211EUTW	SESES06T03SR09E	04/02/1981	600	259	3	--
L048	USCE W4-3	211EUTW	SESES06T03SR09E	04/01/1981	600	315	3	--
L049	USCE W7-1	211GORD	SWSWS17T03SR09E	03/26/1982	600	430	1.50	--
L050	USCE W7-2A	211EUTW	SWSWS17T03SR09E	--/--/1981	600	380	1.50	--
L051	USCE W8-1	211GORD	SESES05T04SR09E	03/21/1982	537	340	1.50	--
L052	USCE W8-2	211GORD	SESES05T04SR09E	03/28/1983	537	263	3	--
			ITAWAMBA COUNTY					
A023	USCE GW118	211MCSN	SENES36T07SR08E	07/08/1975	325.70	23	1.50	--
A024	USCE GW119	110ALVM	NESES35T07SR08E	07/10/1975	295	38	1.50	--
A025	USCE GW120	110ALVM	SESES34T07SR08E	07/14/1975	297.20	21	1.50	--
B005	USCE GW117	110ALVM	SWSWS29T07SR09E	07/16/1975	359.20	21	1.50	--
B008	USCE P601B	211GORD	SWSWS21T07SR09E	05/16/1978	440	187	1.50	--
B009	USCE P602B	211GORD	NWNES28T07SR09E	06/23/1978	450	200	1.50	--
D039	USCE CF87	211EUTW	NWSES25T08SR08E	10/01/1975	271.10	66	1.50	--
D040	USCE GW110	110ALVM	NENES12T09SR08E	07/02/1975	282.70	23	1.50	--
D041	USCE GW112A	110ALVM	NENWS25T08SR08E	06/19/1975	275	28	1.50	--
D042	USCE GW115	110ALVM	SESES10T08SR08E	07/15/1975	299.20	29	1.50	--
D043	USCE GW116	211EUTW	SESWS06T08SR09E	07/08/1975	333.50	30	1.50	--
D044	USCE GW116A	110ALVM	SWSES01T08SR08E	06/17/1980	285	25	1.50	--
D045	USCE P500B	211GORD	SWSES25T08SR08E	08/28/1978	290	124	1.50	--
D046	USCE P501B	211GORD	SESES24T08SR08E	05/01/1978	308.50	152	1.50	--
E005	USCE 65A	211GORD	NESES18T08SR09E	05/18/1972	325	130	4	7.0
E009	USCE GW113	110ALVM	SWNES17T08SR09E	07/07/1975	329.50	26	1.50	--
E010	USCE GW114	110ALVM	NESES18T08SR09E	07/03/1975	311.70	12	1.50	--
E011	USCE P503B	211GORD	NWNES30T08SR09E	05/15/1978	420	221	1.50	--
G065	USCE 67A	211GORD	SWSES27T09SR08E	08/12/1975	270	179	4	--
G066	USCE 67B	211EUTW	SWSES27T09SR08E	08/13/1975	270	71	4	--
G067	USCE GW106B	211GORD	SWSES25T09SR08E	04/19/1978	284	175	6	--
G068	USCE GW106A	110ALVM	SWSES25T09SR08E	04/19/1978	290	10	2	--
G070	USCE GW104C	110ALVM	NWSWS26T09SR08E	01/01/1980	260	24	2	--
G072	USCE C38	110ALVM	SWNWS25T09SR08E	04/12/1973	263.20	33	1.50	--
G074	USCE GW104A	211GORD	NESWS36T09SR08E	04/20/1978	290	88	1.50	--
G075	USCE GW104B	211GORD	NESWS36T09SR08E	04/20/1978	290	138	1.50	--
G076	USCE GW105	110ALVM	NESES34T09SR08E	07/11/1975	254.60	29	1.50	--
G077	USCE GW107	110ALVM	SWSES27T09SR08E	07/02/1975	273.30	31	1.50	--
G078	USCE GW108	211EUTW	NESWS13T09SR08E	07/02/1975	284.50	14	1.50	--
G079	USCE GW108B	211GORD	NESWS13T09SR08E	04/27/1978	284.50	150	1.50	--
G080	USCE GW109	110ALVM	NWSWS15T09SR08E	07/03/1975	278.20	24	1.50	--
G081	USCE GW109B	211GORD	NWSWS15T09SR08E	05/05/1978	278.20	198	1.50	--
G082	USCE GW111	110ALVM	SESWS02T09SR08E	07/23/1975	270.90	35	1.50	--
G083	USCE GW112	110ALVM	NWSWS03T09SR08E	09/01/1975	292.90	24	1.50	--
G084	USCE GW104	110ALVM	SWNWS36T09SR08E	07/01/1975	240	26	2	--
K039	USCE 71A	211GORD	NENWS24T10SR08E	06/20/1972	273	170	4	7.0
K041	USCE GW100	110ALVM	NENES24T10SR08E	06/24/1975	269.20	21	1.50	--
K042	USCE BF179-75	211GORD	NENES12T10SR08E	01/14/1976	250	46	2	--
L014	USCE 74A	211GORD	SWSWS17T10SR09E	06/22/1972	270	150	4	200
L016	USCE 75A	211GORD	SWSES17T10SR09E	06/22/1972	300	144	4	195
L017	USCE 72A	110ALVM	NWSES18T10SR09E	06/11/1972	249	21	4	7.0
L021	USCE BF170-75	211EUTW	NESES19T10SR09E	08/20/1975	247.50	67	1.50	--
L022	USCE BF173-75	211GORD	NESES18T10SR09E	07/15/1975	252.20	51	1.50	--
L023	USCE GW99	110ALVM	SWSES17T10SR09E	06/26/1975	282.80	30	1.50	--
L024	USCE GW100A	110ALVM	NWNWS18T10SR09E	07/08/1980	255	32	1.50	--
L025	USCE GW101	110ALVM	SESWS06T10SR09E	06/26/1975	304.80	21	1.50	--
L026	USCE GW102	110ALVM	SESES01T10SR08E	06/22/1975	277.10	21	1.50	--
N028	USCE 81A	211GORD	NESWS26T11SR08E	07/13/1972	246	180	4	8.0
N029	USCE GW95A	110ALVM	SENES23T11SR08E	06/16/1975	242.40	35	1.50	--
O010	USCE GW94	110ALVM	SESES20T11SR09E	06/18/1975	278	23	1.50	--
O011	USCE GW95	110ALVM	SWSWS17T11SR09E	06/19/1975	325.40	29	1.50	--
O012	USCE GW96	110ALVM	NWSES18T11SR09E	06/20/1975	262.90	23	1.50	--
O013	USCE GW96A	110ALVM	SWNWS20T11SR09E	06/22/1975	238.60	24	1.50	--
O014	USCE GW97	110ALVM	SESWS14T10SR09E	06/25/1975	393.90	60	1.50	--
O015	USCE GW98	110ALVM	SWSWS31T10SR09E	06/23/1975	267.20	23	1.50	--

DESCRIPTIONS OF GROUND-WATER WELLS--Continued

LOCAL NUMBER	OWNER	PRINCIPAL AQUIFER	LAND NET LOCATION	DATE COMPLETED	ALTITUDE OF LAND SURFACE (FEET)	DEPTH OF WELL (FEET)	CASING DIAM-ETER (INCHES)	DISCHARGE (GALLONS PER MINUTE)
			MONROE COUNTY					
B068	USCE APF58	211EUTW	NENWS34T12SR19W	01/15/1976	210	60	2	--
C051	USCE 84A	211GORD	NWNWS36T11SR08E	06/29/1972	234	170	4	30
C052	USCE 84B	211GORD	NWNWS36T11SR08E	07/10/1972	234	110	4	10
C053	USCE 84C	110ALVM	NWNWS36T11SR08E	07/10/1972	234	27	4	10
C054	USCE 85A	110ALVM	SWNWS36T11SR08E	07/11/1972	235	21	4	18
C057	USCE 89A	211GORD	SWNES01T12SR08E	06/30/1972	245	166	4	20
C058	USCE 89B	211MCSN	SWNES01T12SR08E	07/06/1972	245	45	4	2.0
C061	USCE 91A	211MCSN	SWSWS17T12SR08E	07/--/1972	218	88	4	--
C062	USCE 92A	211GORD	NWSWS20T12SR08E	07/--/1972	216	200	4	--
C068	USCE 92B	110ALVM	NWSWS20T12SR08E	08/30/1972	216	19	4	7.0
C069	USCE 91B	110ALVM	SWSWS17T12SR08E	08/--/1972	218	20	4	4.0
C070	USCE 96B	110TRCS	SWSES20T12SR18W	08/--/1972	257	16	24	--
C080	USCE TTM6A	211TBGB	NENES33T13SR19W	05/14/1975	210	65	4	--
C081	USCE TTM6B	110ALVM	NENES33T13SR19W	05/16/1975	210	38	6	--
C085	USCE A1A	110ALVM	SWSWS20T12SR08E	06/17/1982	215	5	1.50	--
C086	USCE A1	110ALVM	SWSWS20T12SR08E	06/17/1982	215	24	1.50	--
C087	USCE A2	110ALVM	NWNWS29T12SR08E	06/18/1982	215	29	1.50	--
C088	USCE A2A	110ALVM	NWNWS29T12SR08E	06/18/1982	215	5	1.50	--
C089	USCE A3	110ALVM	NWNWS29T12SR08E	06/21/1982	215	25	1.50	--
C090	USCE A3A	110ALVM	NWNWS29T12SR08E	07/01/1982	215	5	1.00	--
C092	USCE GW80	110ALVM	SWNES35T12SR19W	05/28/1975	236.40	33	1.50	--
C093	USCE GW81	110ALVM	NESES36T12SR19W	05/29/1975	235.70	25	1.50	--
C094	USCE GW83	110ALVM	SESES30T12SR08E	06/02/1975	213.20	33	1.50	--
C095	USCE GW85	110ALVM	SWSES20T12SR18W	06/10/1975	257.60	26	1.50	--
C096	USCE GW86	110ALVM	NWNES19T12SR18W	06/09/1975	247.10	24	1.50	--
C097	USCE GW86A	110ALVM	NESWS21T12SR08E	06/23/1980	210	31	1.50	--
C098	USCE GW87	110ALVM	SENWS16T12SR18W	06/18/1975	258	30	1.50	--
C099	USCE GW88	110ALVM	SWSWS15T12SR08E	06/05/1975	244.20	24	1.50	--
C100	USCE GW89	110ALVM	SESWS09T12SR08E	06/04/1975	225.20	30	1.50	--
C101	USCE GW90	110ALVM	NENWS13T12SR08E	06/13/1975	270	26	1.50	--
C102	USCE GW91	110ALVM	SENES11T12SR08E	06/12/1975	261.30	23	1.50	--
C105	USCE GW92B	211EUTW	NWSWS01T12SR08E	04/14/1975	257.30	122	1.50	--
C106	USCE GW92C	211EUTW	NWSWS01T12SR08E	04/14/1975	257.40	100	1.50	--
C107	USCE LA2L	211GORD	SWNWS24T12SR19W	05/01/1975	220	147	1.50	--
C108	USCE LA2U	211EUTW	SWNWS24T12SR19W	05/02/1975	220	67	1.50	--
C109	USCE LA4L	211GORD	NESES36T12SR19W	05/03/1975	235	190	1.50	--
C110	USCE LA4U	211EUTW	NESES36T12SR19W	05/04/1975	235	122	1.50	--
C111	USCE LA5L	211GORD	SWSES30T12SR08E	05/05/1975	210	205	1.50	--
C112	USCE LA5U	211EUTW	SWSES30T12SR08E	05/06/1975	210	57	1.50	--
C113	USCE AF63	211EUTW	SWSES03T12SR08E	01/20/1976	230	54	2	--
D032	USCE GW92	110ALVM	NESWS06T12SR09E	06/11/1975	266.70	20	1.50	--
D033	USCE GW93A	211GORD	SWNWS06T12SR09E	05/15/1975	259.20	178	1.50	--
D034	USCE GW93B	211EUTW	SWNWS06T12SR09E	05/15/1975	259.40	102	1.50	--
D035	USCE GW93C	110ALVM	SWNWS06T12SR09E	05/15/1975	259.40	20	1.50	--
D036	USCE GW94A	110ALVM	NWNWS06T12SR09E	06/26/1975	255	27	1.50	--
G052	USCE APF55	211EUTW	NESWS03T13SR19W	08/05/1975	205.70	69	1.50	--
G053	USCE APF57	211EUTW	SESWS34T12SR19W	07/22/1975	207.30	50	1.50	--
G054	USCE GW73	110ALVM	SESWS27T13SR07E	05/23/1975	198	32	1.50	--
G055	USCE GW74	110ALVM	SWNWS36T13SR19W	05/26/1975	214.30	32	1.50	--
G056	USCE GW76	110ALVM	NWNES10T13SR19W	06/02/1975	203.40	45	1.50	--
G057	USCE GW76A	110ALVM	NWSES15T13SR07E	06/18/1975	202.40	25	1.50	--
G058	USCE GW77	110ALVM	NENES11T13SR19W	05/31/1975	234.20	46	1.50	--
G059	USCE GW78	110ALVM	NENWS03T13SR07E	05/20/1975	205.30	36	1.50	--
G060	USCE GW75	110ALVM	NWSES23T13SR19W	05/21/1975	200	30	2	--
H018	USCE TTM5B	110ALVM	SESWS22T13SR19W	05/08/1975	200	26	6	--
L062	USCE 105A	211EUTW	SWSWS19T14SR19W	08/11/1972	210	64	4	--
L063	USCE 101A	211EUTW	SWSWS15T14SR07E	08/09/1972	202	90	4	--
L064	USCE 102A	211EUTW	NWNWS23T14SR07E	08/04/1972	191	50	4	--
L065	USCE 104A	211EUTW	SESES10T14SR19W	08/14/1972	194	55	4	--
L067	USCE 104B	110ALVM	SESES10T14SR19E	08/15/1972	194	24	4	--
L068	USCE 102B	110ALVM	NWNWS23T14SR07E	08/07/1972	191	30	4	--
L069	USCE 101B	110TRCS	SWSWS15T14SR07E	08/09/1972	202	20	4	--
L075	USCE AB11	211MCSN	SWSWS26T14SR07E	12/11/1976	200	224	4	--
L077	USCE AB10	211EUTW	SWSWS26T14SR07E	12/15/1976	200	145	4	--
L078	USCE AB12	211EUTW	SWSWS26T14SR07E	12/17/1976	200	90	4	--

DESCRIPTIONS OF GROUND-WATER WELLS--Continued

LOCAL NUMBER	OWNER	PRINCIPAL AQUIFER	LAND NET LOCATION	DATE COMPLETED	ALTITUDE OF LAND SURFACE (FEET)	DEPTH OF WELL (FEET)	CASING DIAM-ETER (INCHES)	DISCHARGE (GALLONS PER MINUTE)
			MONROE COUNTY--Continued					
L084	USCE AB1	211EUTW	NWSWS26T14SR07E	10/28/1976	195	80	1.50	--
L085	USCE AB2	211EUTW	NWSWS26T14SR07E	10/28/1976	195	146	1.50	--
L086	USCE AB2A	211EUTW	NWSWS26T14SR07E	11/06/1976	195	119	1.50	--
L087	USCE AB5	211EUTW	NESES10T14SR19W	10/14/1976	192	150	1.50	--
L088	USCE AB6	211EUTW	NWSWS26T14SR07E	11/07/1976	190	70	1.50	--
L089	USCE AB7	211EUTW	NWSWS26T14SR07E	11/07/1976	187.40	133	1.50	--
L090	USCE GW70	110ALVM	SWSWS14T14SR07E	05/28/1975	193.30	26	1.50	--
L091	USCE GW70A	110ALVM	NWNWS23T14SR19W	06/17/1980	193	27	1.50	--
L092	USCE GW71	110ALVM	NENWS12T14SR19W	05/15/1975	225.40	32	1.50	--
L093	USCE GW72	110ALVM	SESES01T14SR19W	05/19/1975	220.80	30	1.50	--
L095	USCE P1	211EUTW	NENWS35T14SR19W	10/05/1982	190	38	1.50	--
L096	USCE P2	211EUTW	NENWS35T14SR19W	10/01/1982	190	42	1.50	--
			PRENTISS COUNTY					
D028	USCE MW1-2	211EUTW	NWNES33T04SR09E	08/18/1977	510	158	1.50	--
D030	USCE MW1-4	211GORD	NENES33T04SR09E	09/04/1978	510	285	1.50	--
D032	USCE MW2-2	211GORD	NESES31T04SR09E	03/18/1980	440	220	1.50	--
D033	USCE MW2-3	211EUTW	NESES31T04SR09E	03/25/1980	440	181	1.50	--
D036	USCE W1-1	211GORD	SWNWS08T04SR09E	07/07/1980	580	371	1.50	--
D037	USCE W1-2	211EUTW	SWNWS08T04SR09E	07/07/1980	580	280	1.50	--
D039	USCE W3-1	211GORD	SESWS15T04SR09E	12/04/1980	500	215	1.50	--
D040	USCE W3-2	211EUTW	SESWS15T04SR09E	12/10/1980	500	180	1.50	--
H026	USCE SW2-3	211GORD	SWSES10T05SR09E	12/13/1977	480	217	1.50	--
H028	USCE SW3-2	211GORD	SWNWS16T05SR09E	02/04/1980	450	192	1.50	--
H029	USCE SW3-3	211EUTW	SWNWS16T05SR09E	07/02/1980	450	132	1.50	--
H031	USCE SW2-4	211MCSN	SWSES10T05SR09E	01/01/1977	480	133	1.50	--
H033	USCE W6-2	211GORD	SESES10T05SR09E	03/04/1982	480	162	1.50	--
M016	USCE 53A	211GORD	NWSES10T07SR09E	05/--/1972	332	35	4	3.0
M017	USCE 43C	211EUTWR	NWNWS27T06SR09E	05/--/1972	445	90	4	--
M018	USCE 43B	211MCSN	NWNWS27T06SR09E	05/--/1972	460	120	4	--
M019	USCE 52A	211GORD	NESES09T07SR09E	05/--/1972	324	40	4	20
M020	USCE 51A	211GORD	SENWS09T07SR09E	05/--/1972	356	64	4	6.0
M021	USCE 41A	211GORD	SENWS28T06SR09E	05/--/1972	480	226	4	--
M022	USCE 41B	211EUTW	SENWS28T06SR09E	05/--/1972	480	176	4	16
M023	USCE 43A	211GORD	NWNWS27T06SR09E	05/--/1972	460	170	4	--
M025	USCE 43D	211EUTWR	NWNWS27T06SR09E	05/--/1975	460	118	4	--
M026	USCE 42A	211EUTW	NENES28T06SR09E	05/--/1975	420	69	4	--
M027	USCE 42B	211EUTW	NENES28T06SR09E	05/--/1975	420	49	4	--
M028	USCE GW123A	110TRCS	NWNWS16T07SR09E	01/01/1980	316	23	2	--
M030	USCE GW122	110ALVM	SWSES07T07SR09E	02/21/1975	330	23	2	--
M031	USCE GW123	110ALVM	SESWS15T07SR09E	07/15/1975	354	22	2	--
M032	USCE GW124	110ALVM	SENWS09T07SR09E	07/18/1975	350	39	2	--
			TISHMINGO COUNTY					
A017	USCE 10DP177	211GORD	NENWS36T02SR09E	05/14/1973	433.40	48	4	--
A019	USCE 2MW16	211EUTW	NWSES35T02SR09E	--/--/1981	500	108	1.50	--
A020	USCE 2MW17	211GORD	NWSES35T02SR09E	--/--/1981	500	119	1.50	--
D037	USCE 14A	211GORD	SENWS36T03SR09E	03/06/1972	545	184	2	--
D040	USCE 12A	211GORD	SENES34T03SR09E	03/09/1972	485	190	8	--
D041	USCE 12B	211EUTWR	SENES34T03SR09E	03/17/1972	485	150	8	60
D042	USCE 12C	211EUTWR	SENES34T03SR09E	03/21/1972	485	88	6	58
D044	USCE 14C	211EUTW	SENWS36T03SR09E	02/29/1972	545	106	4	--
D047	USCE 1DP141	211EUTWR	SENWS35T03SR09E	05/--/1972	464.50	134	3	2.0
D048	USCE 1DP142	211EUTWR	SENWS35T03SR09E	05/--/1972	462	57	1.50	--
D050	USCE 11C	211GORD	SWSES33T03SR09E	10/21/1975	505	404	6	--
D051	USCE 11D	211EUTW	SWSES33T03SR09E	10/21/1976	505	210	6	--
D055	USCE 3DP151	211GORD	NESES14T03SR09E	08/30/1972	453.30	163	3	--
D056	USCE 3DP152	211EUTW	NESES14T03SR09E	09/11/1972	451.40	100	3	--
D059	USCE 7DP167	211GORD	NESES01T03SR09E	03/12/1973	447	88	3	--
D060	USCE 7DP168	211EUTW	NESES01T03SR09E	03/13/1973	446.60	43	4	--
D064	USCE W2-3	211GORD	SWSWS11T03SR09E	11/03/1980	480	172	1.50	--
D065	USCE W2-4	211EUTW	SWSWS11T03SR09E	11/06/1980	479	104	1.50	--
D067	USCE 2MW6	211GORD	SWSWS01T03SR09E	--/--/1981	455	90	1.50	--
D068	USCE 2MW7	211EUTW	SWSES02T03SR09E	--/--/1981	475	110	1.50	--

DESCRIPTIONS OF GROUND-WATER WELLS--Continued

LOCAL NUMBER	OWNER	PRINCIPAL AQUIFER	LAND NET LOCATION	DATE COMPLETED	ALTITUDE OF LAND SURFACE (FEET)	DEPTH OF WELL (FEET)	CASING DIAM-ETER (INCHES)	DISCHARGE (GALLONS PER MINUTE)
			TISHOMINGO COUNTY--Continued					
D069	USCE 2MW8	211GORD	SWSES02T03SR09E	--/--/1981	475	131	1.50	--
E014	USCE 15A	211GORD	NWSWS31T03SR10E	02/15/1972	540	340	2	20
E015	USCE 15B	211GORD	NWSWS31T03SR10E	02/24/1972	540	204	4	3.0
E016	USCE 15C	211EUTWR	NWSWS31T03SR10E	02/--/1972	540	130	4	3.0
E027	USCE NE2-3	211GORD	SWSWS33T03SR10E	03/07/1970	580	157	1.50	--
E028	USCE NE2-4	211GORD	SWSWS33T03SR10E	03/24/1978	580	340	1.50	--
E033	USCE NE3-4	211GORD	SESWS26T03SR10E	11/21/1979	585	135	1.50	--
E034	USCE NE3-5	211EUTW	SESWS26T03SR10E	11/27/1979	585	63	1.50	--
E040	USCE E2-1	211GORD	SESES20T03SR10E	03/08/1983	550.40	156	1.50	--
E041	USCE E2-2	211EUTW	SWSES20T03SR10E	03/08/1983	550.20	107	1.50	--
E042	USCE 2MW9	211EUTW	SENWS06T03SR10E	--/--/1981	450	36	1.50	--
E043	USCE 2MW10	211EUTW	SENWS06T03SR10E	--/--/1973	450	42	3	--
E044	USCE 2MW13	211EUTW	NWSWS36T02SR09E	--/--/1981	472	88	1.50	--
E045	USCE 2MW14	211GORD	NWSWS36T02SR09E	--/--/1981	472	99	1.50	--
G004	USCE 21A	211GORD	SWSWS26T04SR09E	05/24/1971	585	278	4	3.0
G005	USCE 21B	211EUTWL	SWSWS26T04SR09E	05/--/1971	585	235	4	11
G013	USCE 35A	211GORD	NESWS33T04SR10E	07/--/1971	600	300	4	6.0
G014	USCE 35B	211EUTWR	NESWS33T04SR10E	07/22/1971	600	203	4	5.0
G015	USCE 25A	211GORD	NWSWS20T04SR10E	07/28/1971	610	235	4	--
G016	USCE 25B	211EUTWR	NWSWS20T04SR10E	08/03/1971	610	200	4	30
G017	USCE 26A	211GORD	NESES20T04SR10E	07/28/1971	565	250	2	--
G018	USCE 26B	211EUTWR	NESES20T04SR10E	07/--/1971	565	127	4	--
G019	USCE 26C	211EUTWR	NESES20T04SR10E	07/--/1971	565	72	2	5.0
G020	USCE 23C	211GORD	NWNWS30T04SR10E	08/25/1971	588	330	2	--
G023	USCE 23G	211GORD	NWNWS30T04SR10E	09/15/1971	601.3	260	2	--
G027	USCE 23I	330MSSP	NWNWS30T04SR10E	10/07/1971	587	492	2	--
G031	USCE 23J	211GORD	NWNWS30T04SR10E	12/02/1971	587	380	4	60
G032	USCE 23L	211EUTWR	NWNWS30T04SR10E	12/08/1971	563	126	8	60
G033	USCE 23D	211EUTWR	NWNWS30T04SR10E	08/31/1971	590	145	4	20
G034	USCE 23E	211EUTWR	NWNWS30T04SR10E	09/30/1971	585	92	2	--
G038	USCE 22A	211GORD	SWNWS25T04SR09E	01/31/1972	625	360	4	--
G040	USCE 22B	211EUTWR	NWSWS25T04SR09E	02/04/1972	625	240	4	--
G041	USCE 23N	211MCSN	NWNWS30T04SR10E	01/24/1972	600	200	4	20
G042	USCE 23O	211EUTW	NWNWS30T04SR10E	02/01/1972	561	60	6	9.0
G079	USCE 6DP163	211GORD	SESES24T04SR09E	02/20/1973	573	222	4	--
G080	USCE 6DP164	211EUTW	SESES24T04SR09E	02/23/1973	572.60	125	4	--
G083	USCE NE1-1	211GORD	NENWS05T04SR10E	10/17/1977	500	190	3	--
G085	USCE NE1-3	211EUTW	NENWS05T04SR10E	06/22/1978	495	65	3	--
G086	USCE ME1-1	211GORD	NENES21T04SR10E	02/08/1979	560	204	1.50	--
G087	USCE ME1-2	211EUTWL	NENES21T04SR10E	02/13/1979	560	129	1.50	--
G092	USCE ME2-1	211GORD	NWSWS14T04SR10E	02/16/1979	560	162	1.50	--
G093	USCE ME2-2	211EUTW	NWSWS14T04SR10E	02/16/1979	560	67	1.50	--
G095	USCE ME3-2	211GORD	SWNES13T04SR10E	08/28/1979	517	93	1.50	--
G100	USCE SE1-2	211GORD	SWNWS35T04SR10E	06/08/1979	560	218	1.50	--
G102	USCE SE1-4	211EUTW	SWNWS35T04SR10E	04/30/1979	560	73	1.50	--
G104	USCE SE2-2	211GORD	NWSWS25T04SR10E	05/17/1979	580	183	1.50	--
G106	USCE SE2-4	211EUTW	NWSWS25T04SR10E	05/24/1979	580	103	1.50	--
G112	USCE 2DP147	211GORD	SESWS11T04SR09E	07/20/1972	504.50	165	3	--
G113	USCE 2DP148	211EUTW	SESWS11T04SR09E	07/25/1972	504.70	130	3	--
G116	USCE 4DP156	211GORD	SESWS31T04SR10E	01/01/1973	490.10	153	3.50	--
G118	USCE 4DP158	211EUTW	SESWS31T04SR10E	10/26/1972	487.70	56	4	--
G121	USCE 9DP173	211GORD	NESES14T04SR09E	04/19/1973	552.20	220	4	--
G122	USCE 9DP174	211EUTW	NESES14T04SR09E	04/23/1973	552.40	163	4	--
J008	USCE 33A	211EUTWL	SENES06T05SR09E	07/--/1971	515	172	4	--
J013	USCE 34A	211GORD	NENWS05T05SR10E	07/--/1971	560	266	4	8.0
J014	USCE 34B	211EUTWR	NENWS05T05SR10E	07/--/1971	560	134	4	8.0
J016	USCE 33B	211EUTWR	SENES06T05SR09E	07/--/1971	515	90	4	--
J017	USCE 33C	211GORD	SENES06T05SR09E	09/01/1971	515	212	2	--
J018	USCE 31A	211GORD	SWSES01T05SR09E	03/15/1972	473	178	4	1.0
J019	USCE 31B	211EUTWR	SWSES01T05SR09E	03/27/1972	473	74	4	--

DESCRIPTIONS OF GROUND-WATER WELLS--Continued

LOCAL NUMBER	OWNER	PRINCIPAL AQUIFER	LAND NET LOCATION	DATE COMPLETED	ALTITUDE OF LAND SURFACE (FEET)	DEPTH OF WELL (FEET)	CASING DIAM-ETER (INCHES)	DISCHARGE (GALLONS PER MINUTE)
			TISHOMINGO COUNTY--Continued					
J020	USCE 32A	211GORD	NWNWS06T05SR10E	04/27/1972	530	240	4	10
J021	USCE 32B	211EUTWR	NWNWS06T05SR10E	04/--/1972	530	112	4	8.0
J066	USCE SW1-2	211EUTW	NWNWS12T05SR09E	09/01/1977	560	150	1.50	--
J075	USCE SW1-1	211GORD	SWNWS12T05SR09E	08/25/1977	560	264	1.50	--
J076	USCE 5DP159	211GORD	NESWS08T05SR10E	11/06/1972	437.20	148	4	--
J077	USCE 5DP160	211EUTW	NESWS08T05SR10E	11/08/1972	436	60	3	--
J080	USCE E1-2	211GORD	SWSES09T05SR10E	02/16/1981	520	131	1.50	--
J081	USCE E1-3	211EUTW	SWSES09T05SR10E	03/16/1981	520	102	1.50	--
L029	USCE 54A	211GORD	SWSWS11T07SR09E	04/28/1972	332	27	4	--
L030	USCE 55A	211GORD	SESES11T07SR09E	05/11/1972	380	50	4	18
L031	USCE 45A	211GORD	NWSWS25T06SR09E	03/29/1972	485	92	4	--
L032	USCE 45B	211MCSN	SWNWS25T06SR09E	03/29/1972	485	76	4	--
L033	USCE 54B	110ALVM	SWSWS11T07SR09E	06/06/1972	332	12	4	0.50
L034	USCE 54C	110ALVM	SWSWS11T07SR09E	05/01/1972	333	13	2	--
L051	USCE GW125	110ALVM	SENES02T07SR09E	07/22/1975	367.10	17	2	--

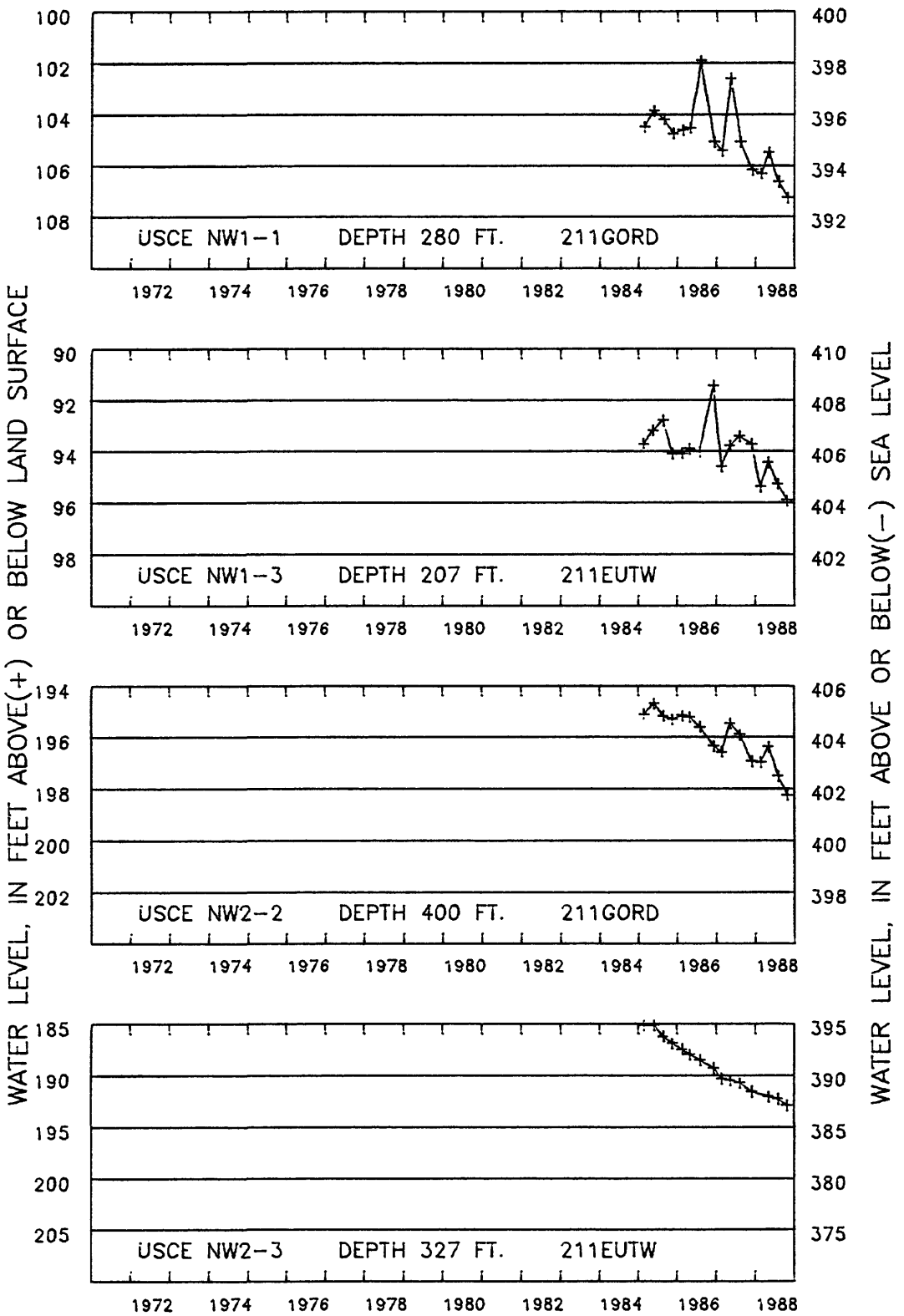
(PAGE 35 FOLLOWS)

APPENDIX A

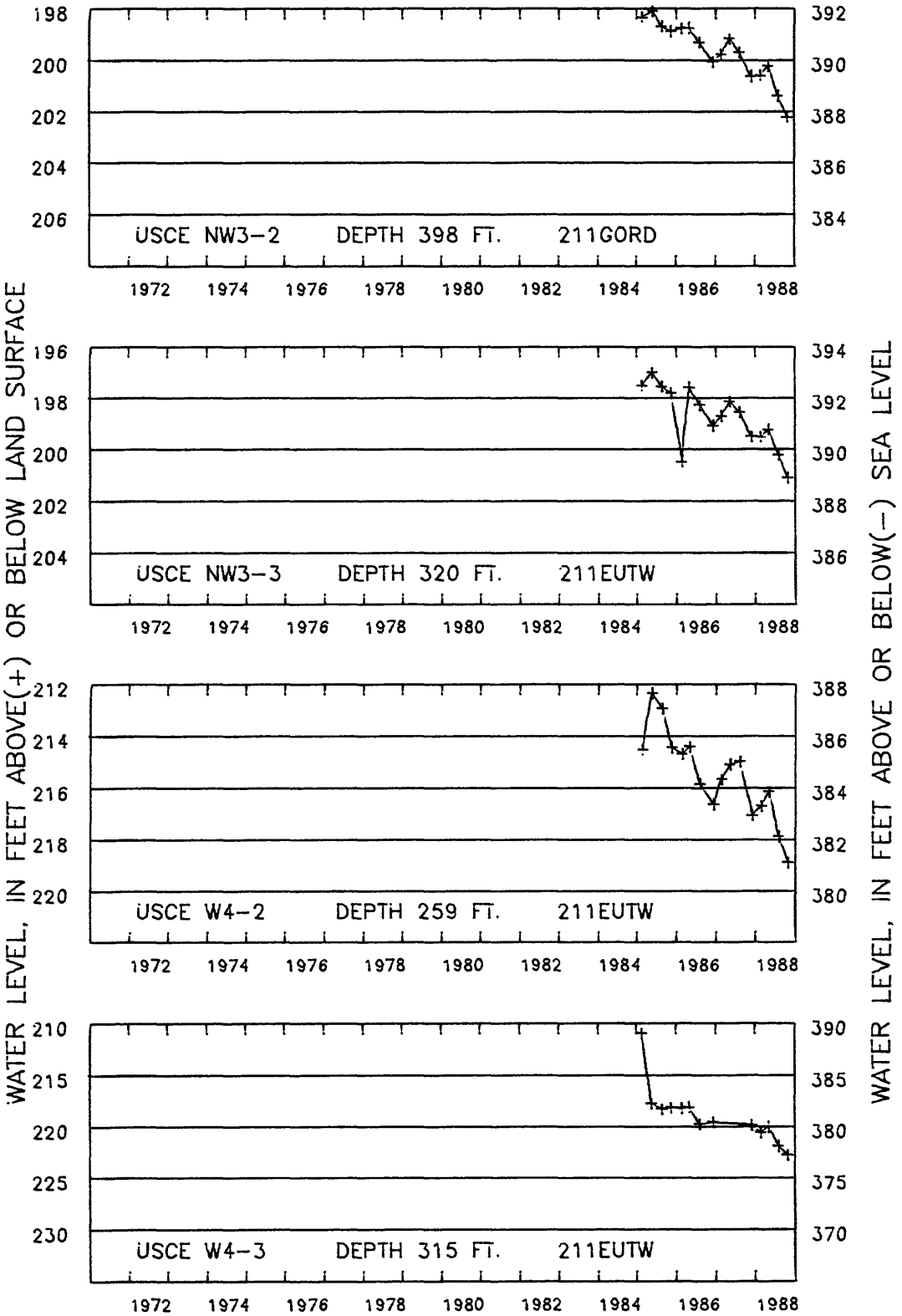
GROUND-WATER DATA

HYDROGRAPHS

(PAGE 37 FOLLOWS)



HYDROGRAPHS OF TENNESSEE-TOMBIGBEE OBSERVATION WELLS



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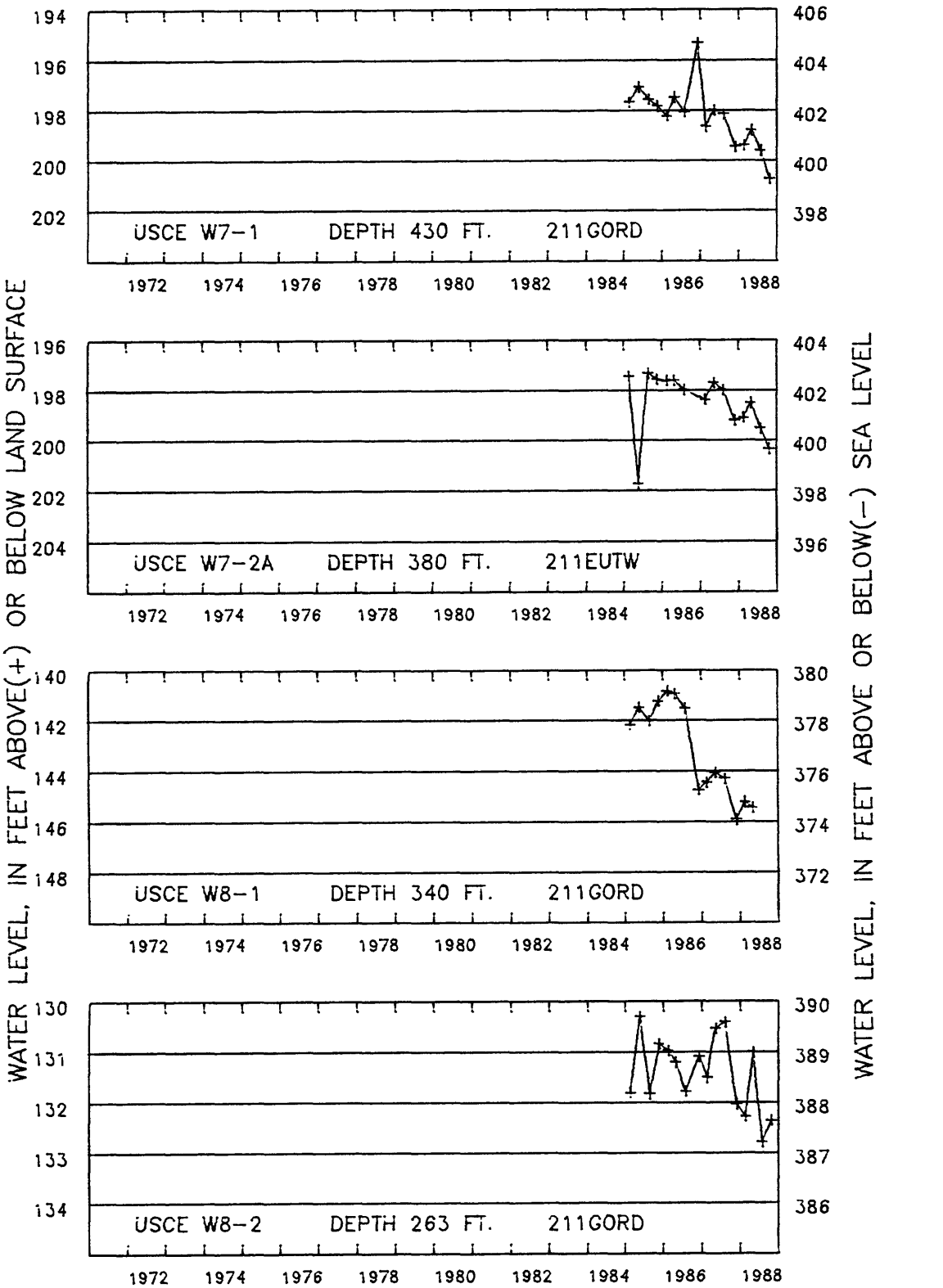

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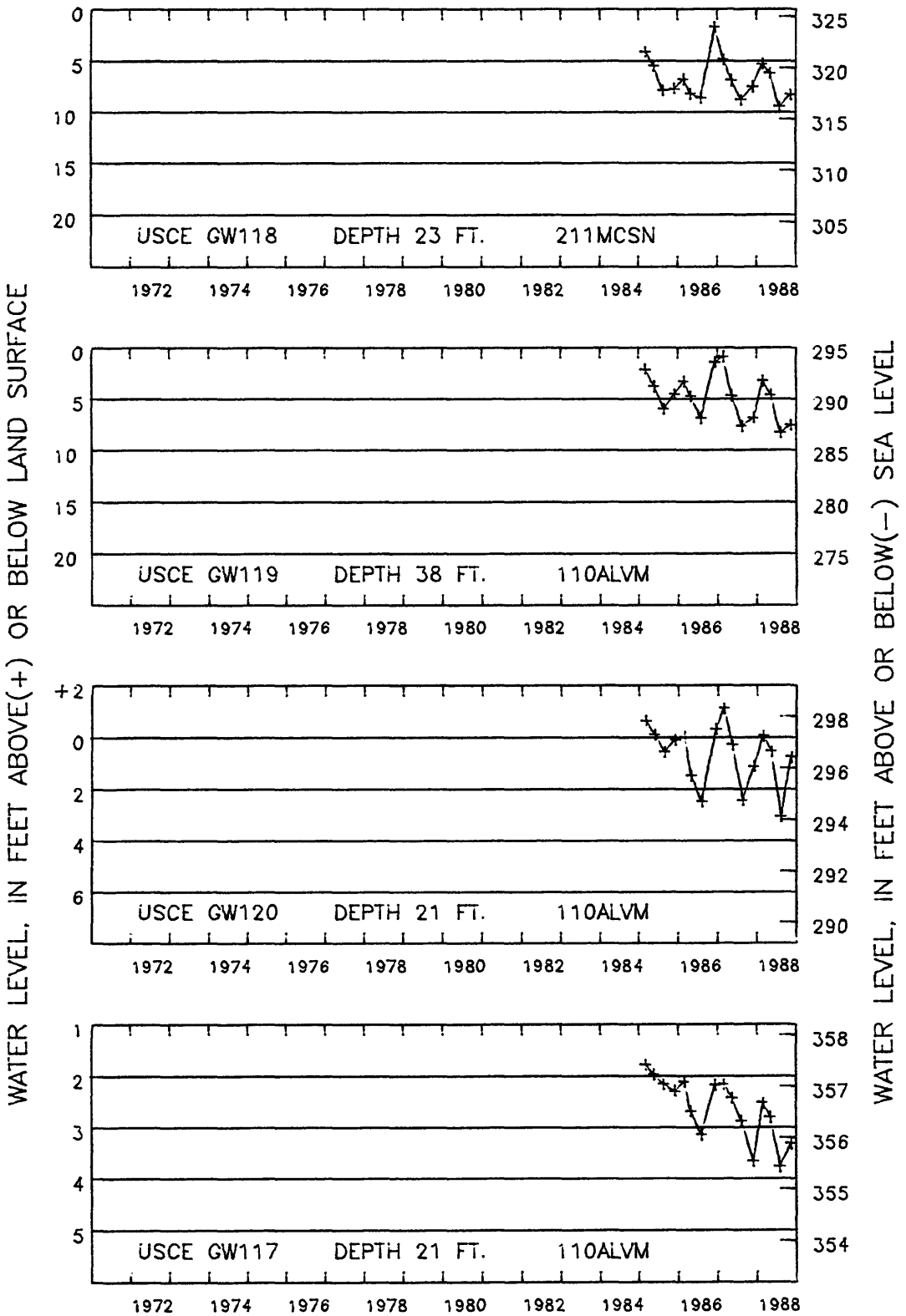

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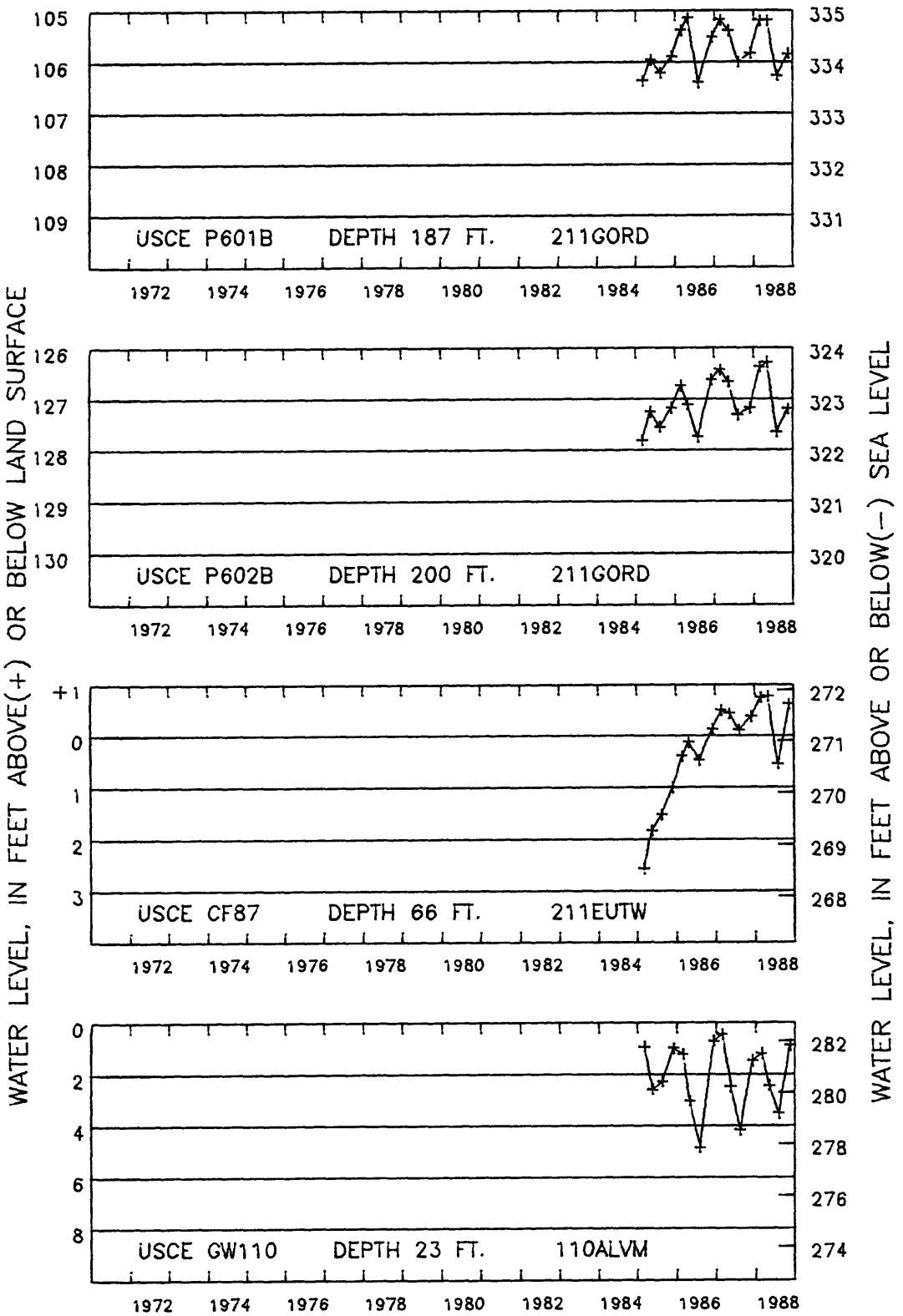

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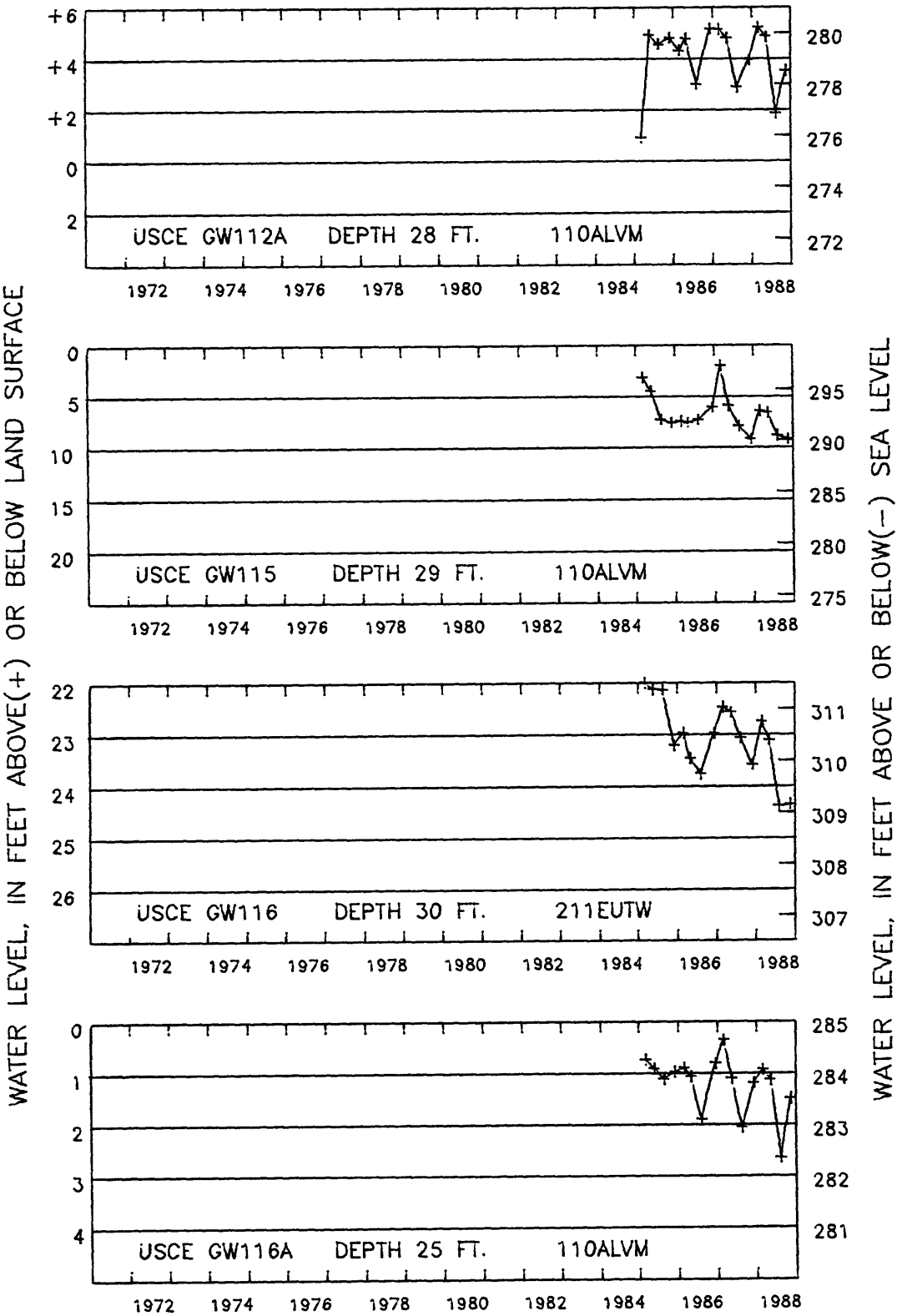

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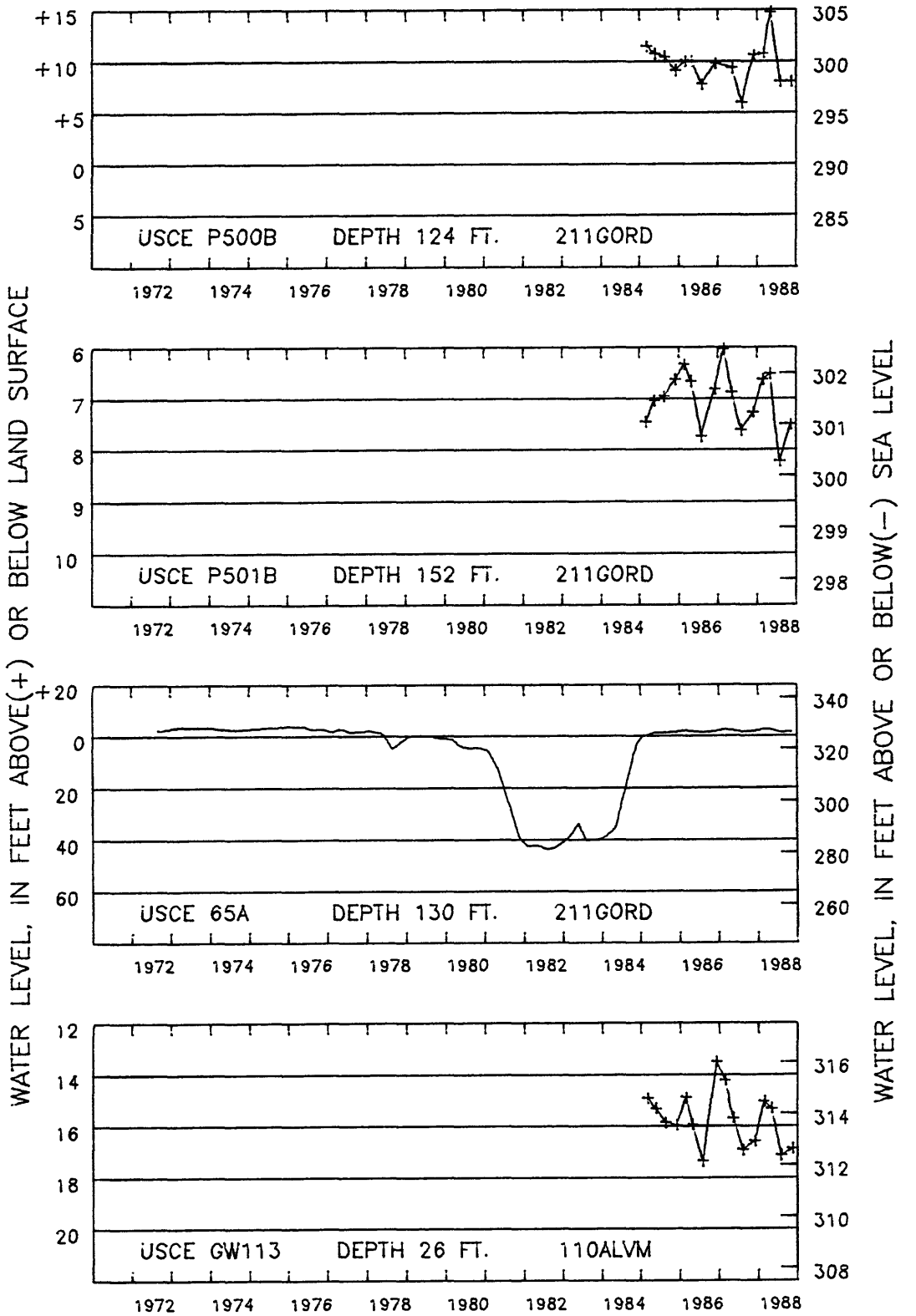

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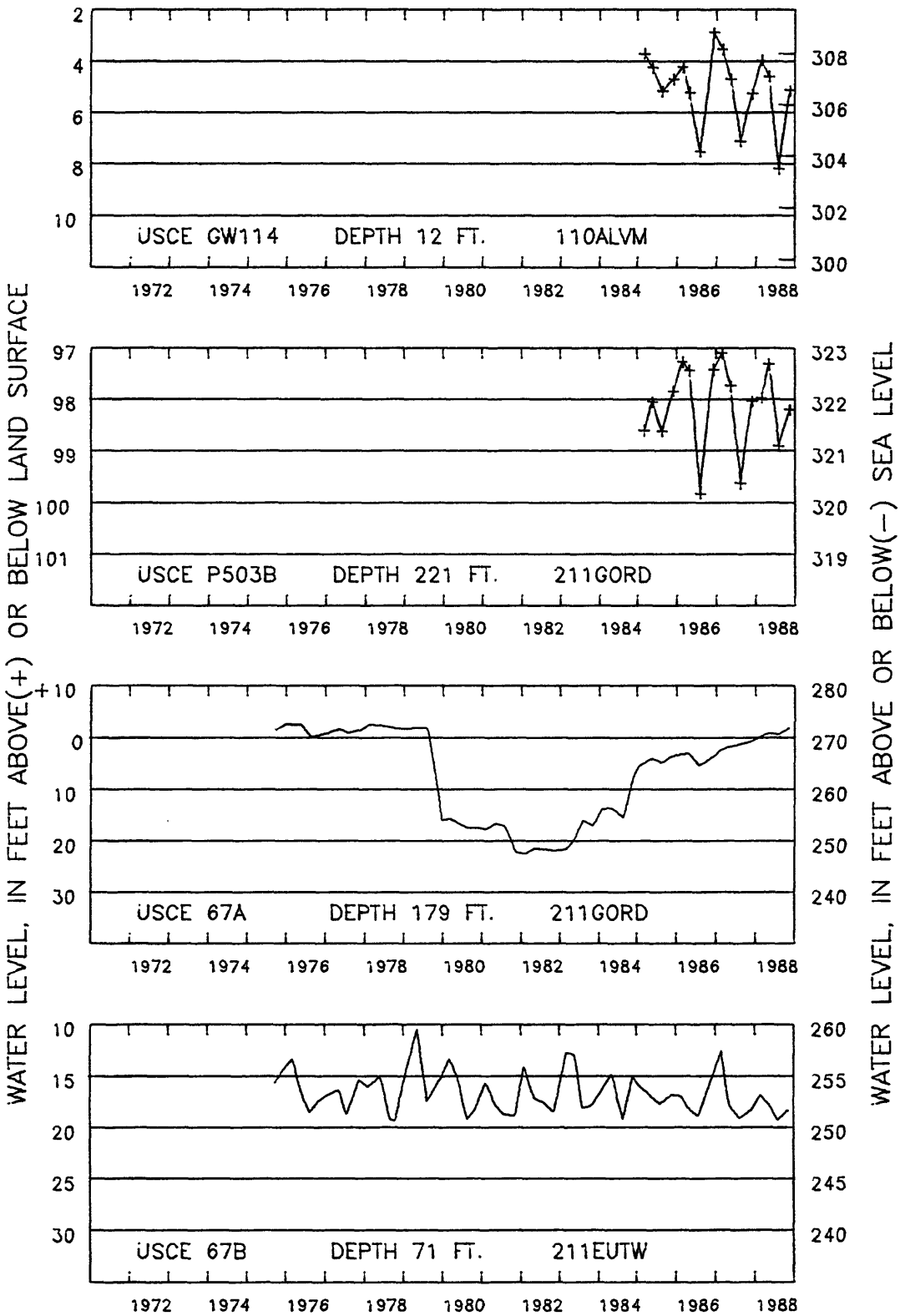

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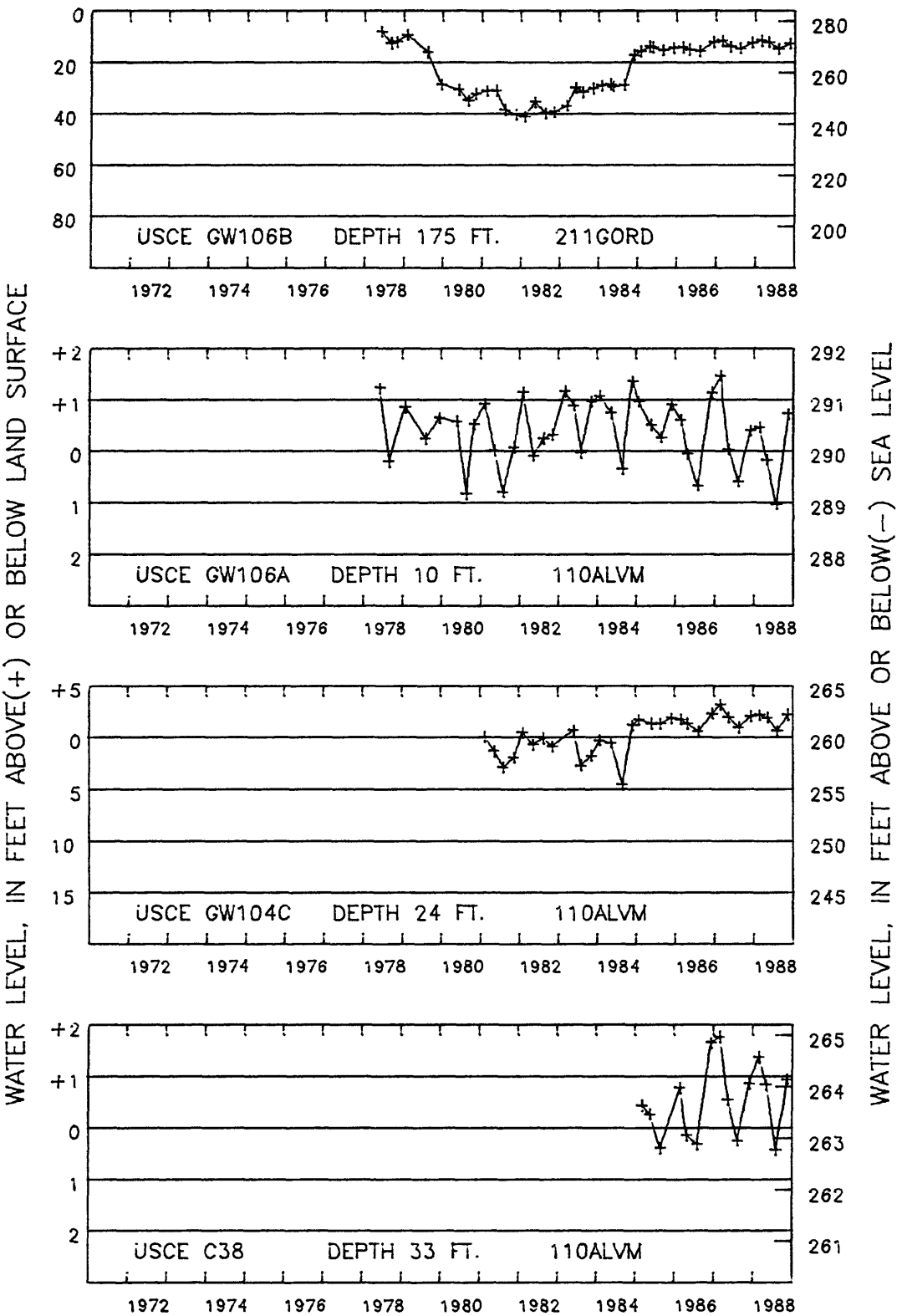

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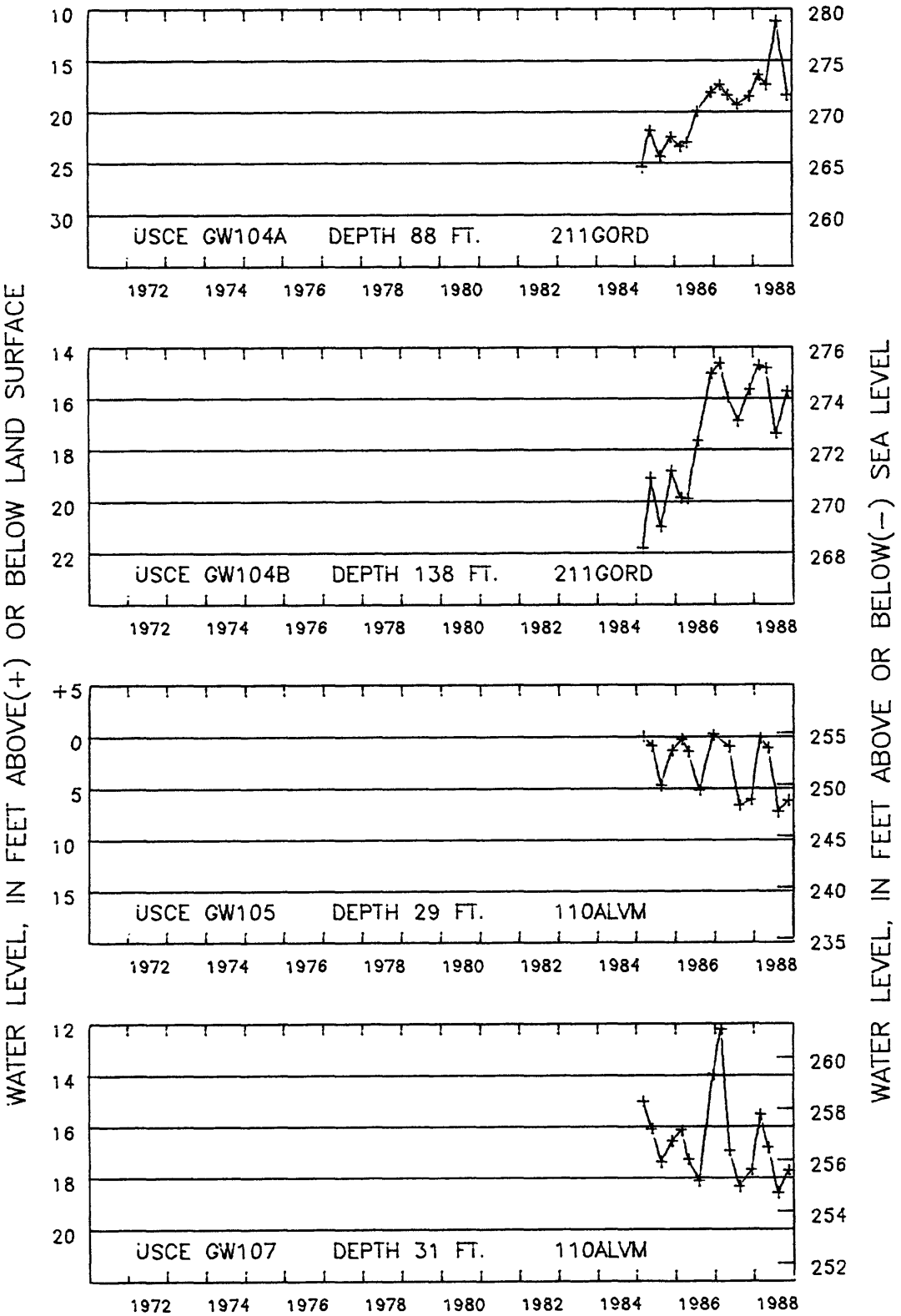

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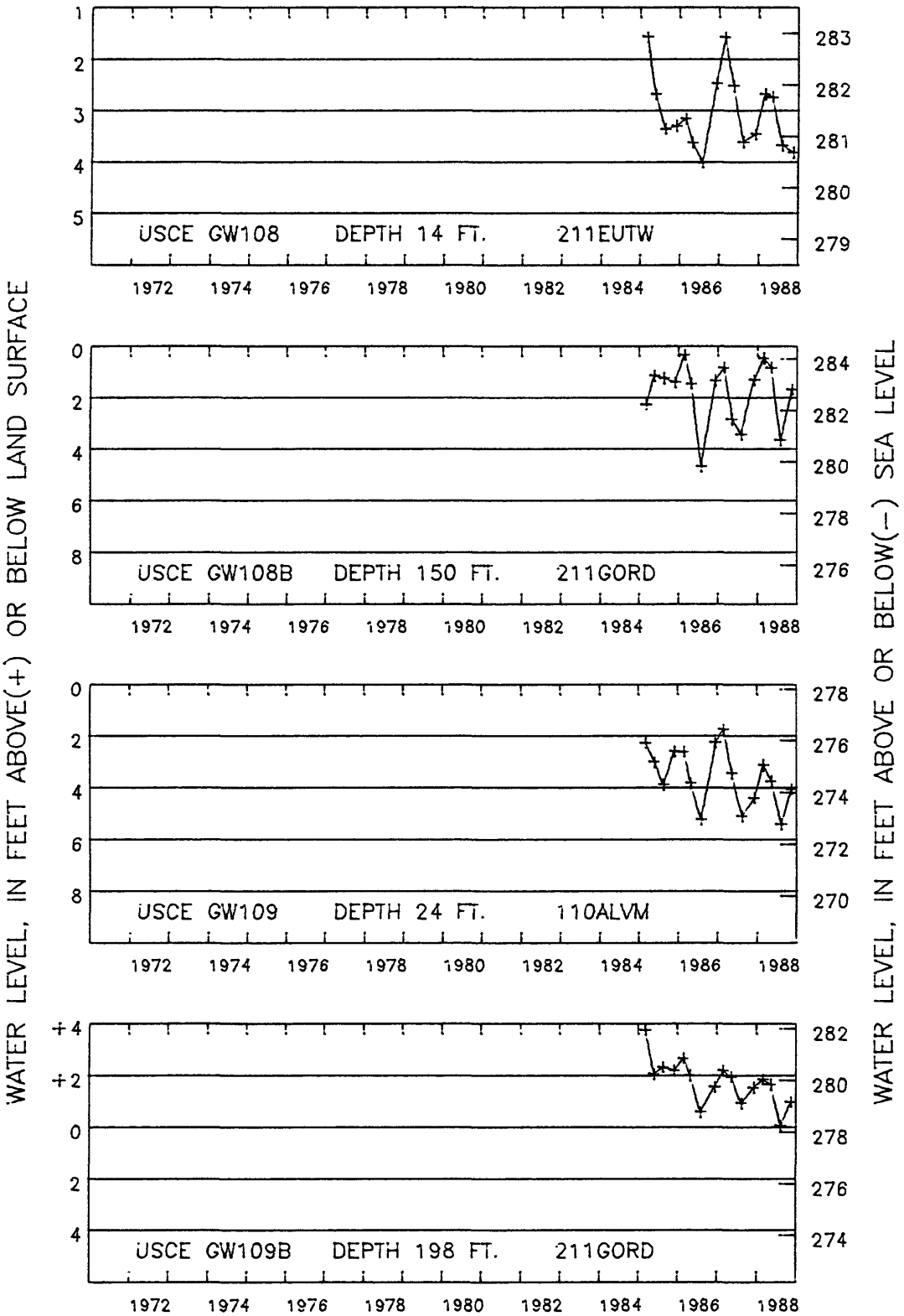

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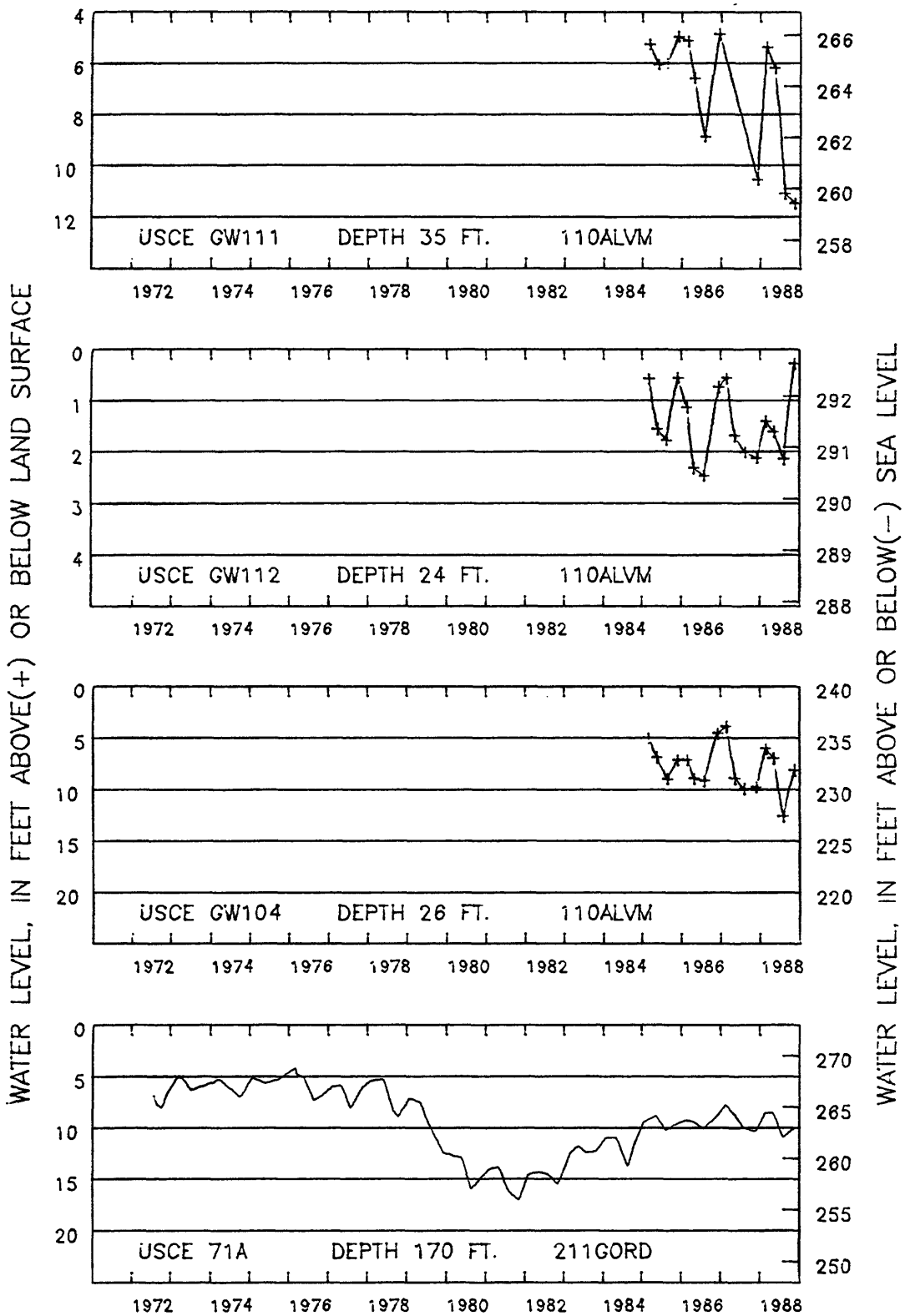

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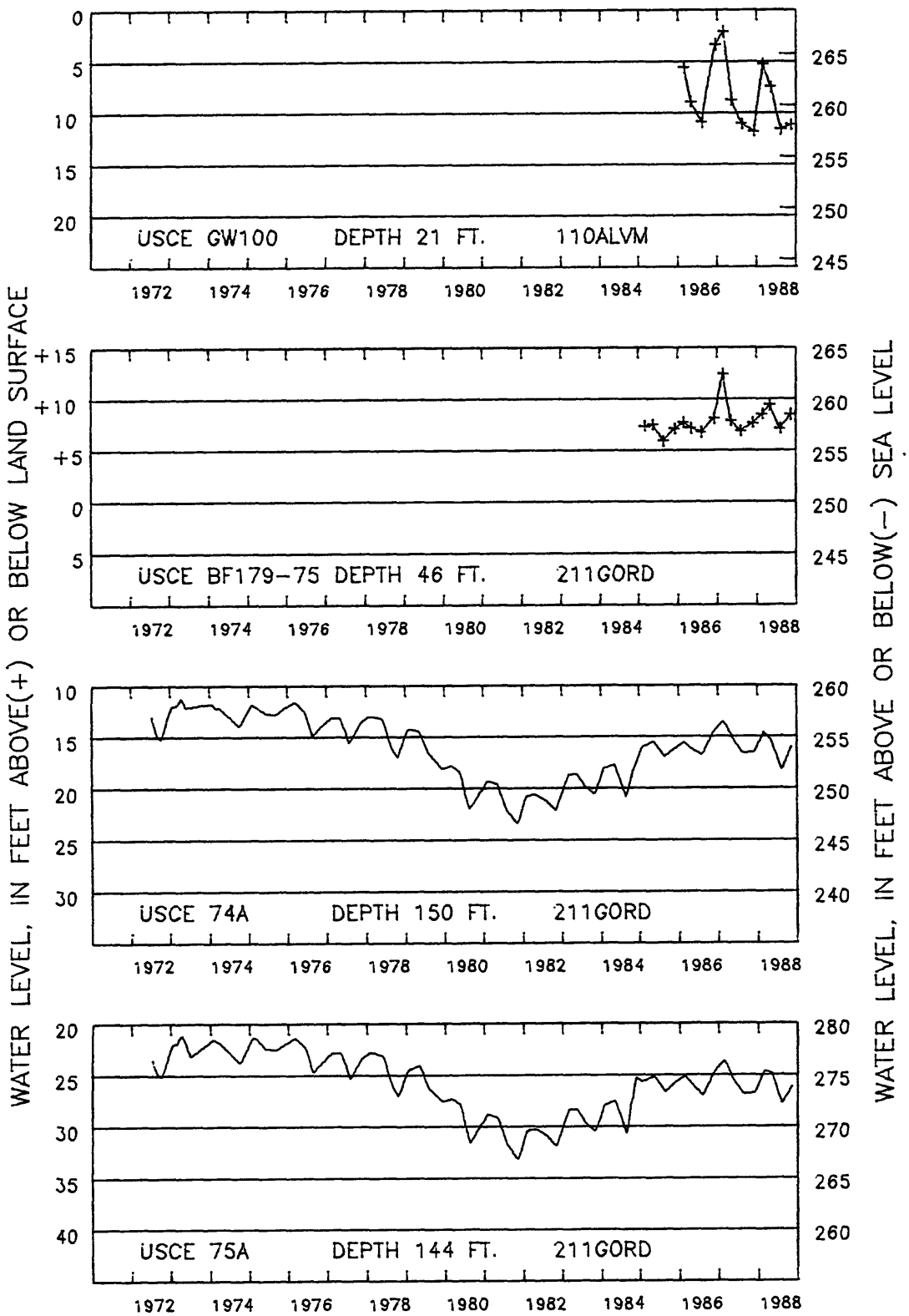

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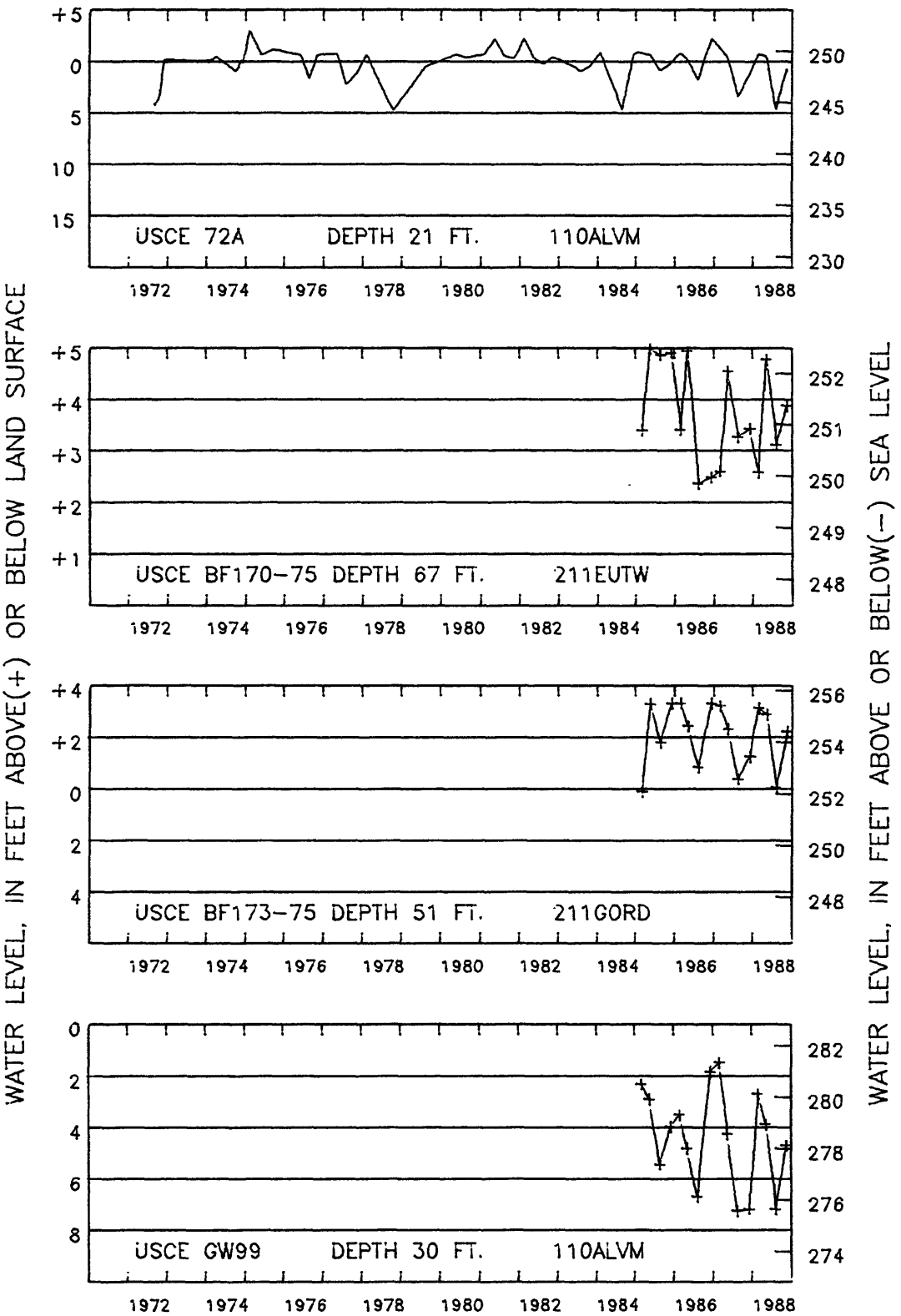
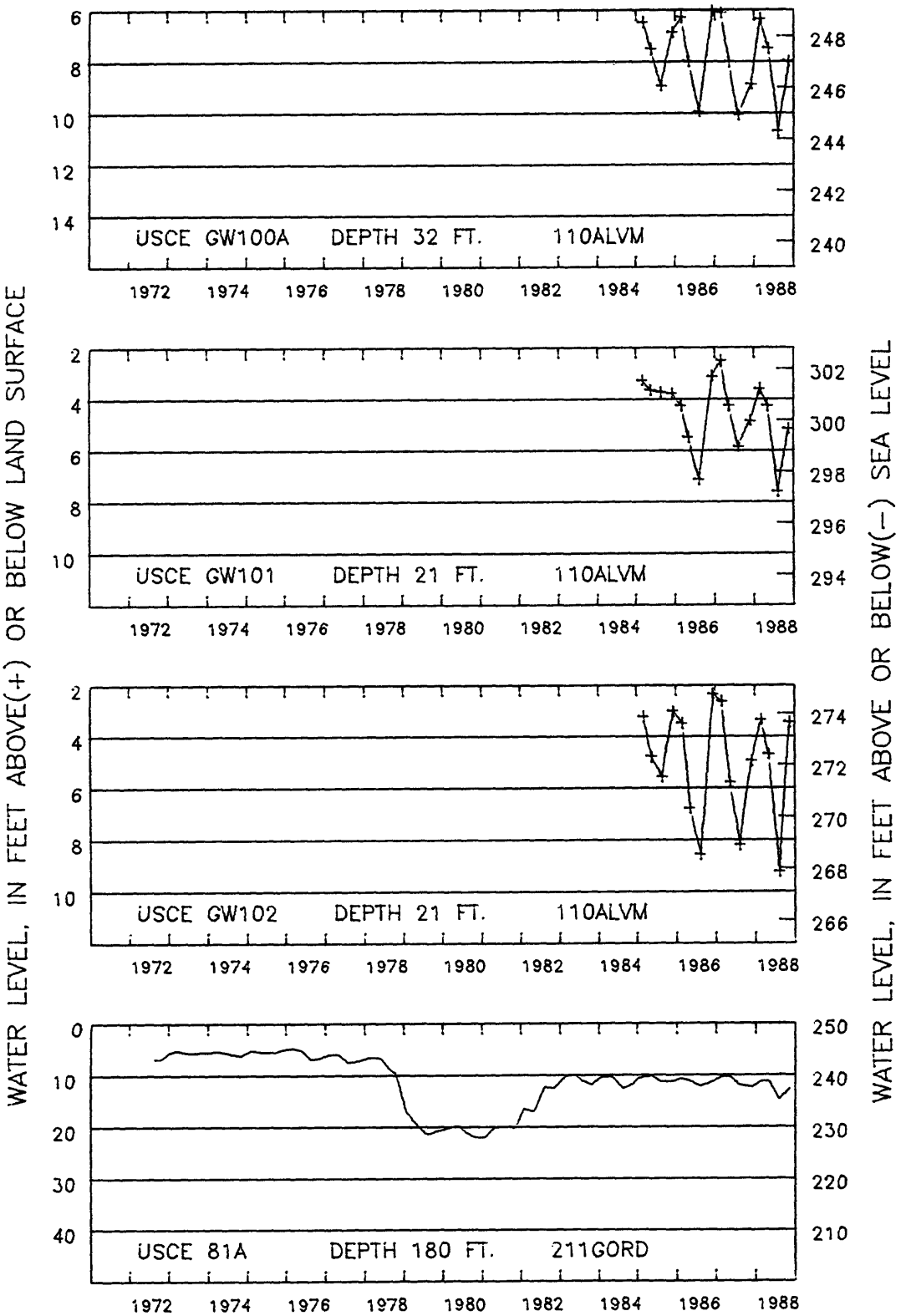


HYDROGRAPHS OF TENNESSEE-TOMBIGBEE OBSERVATION WELLS



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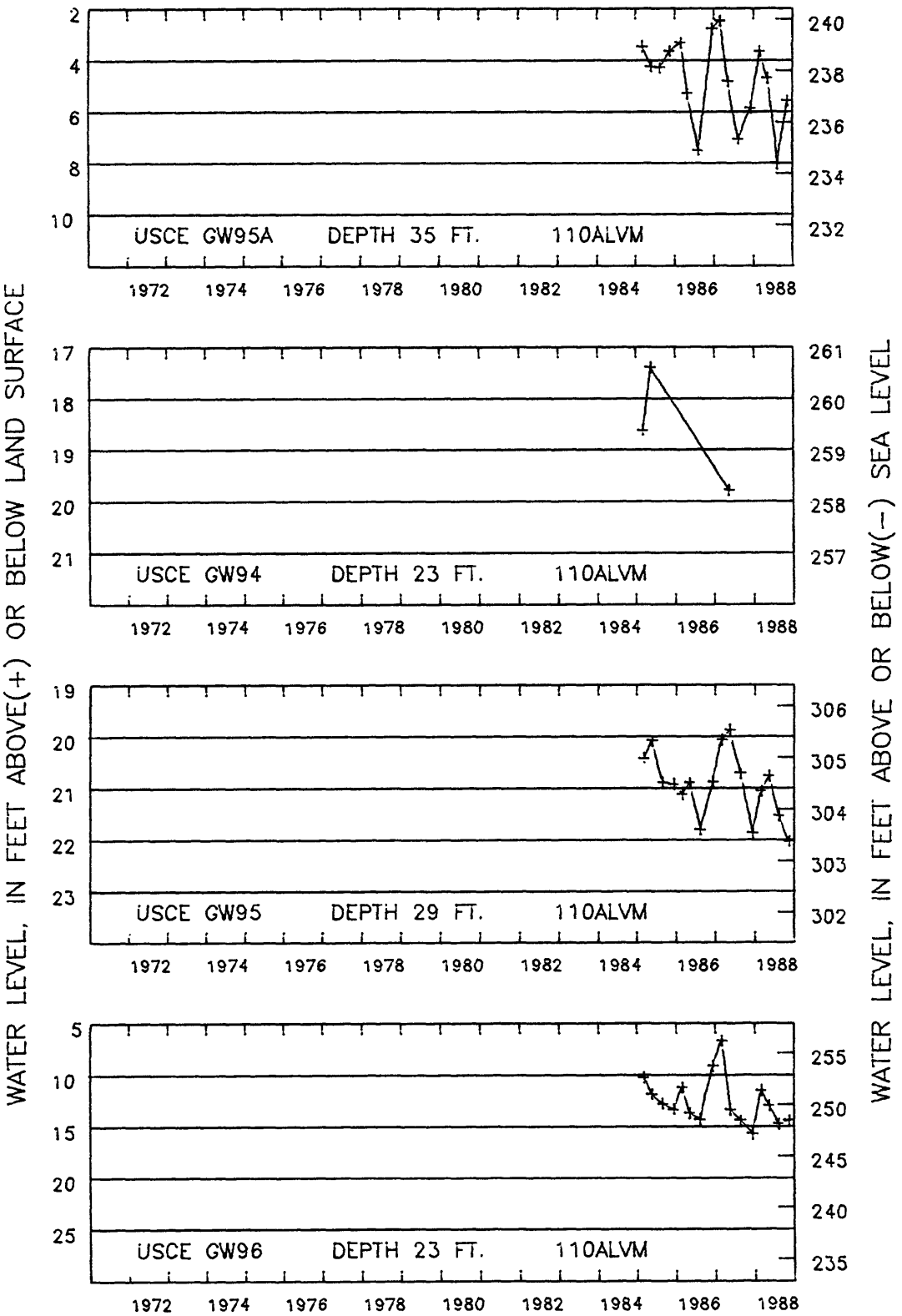

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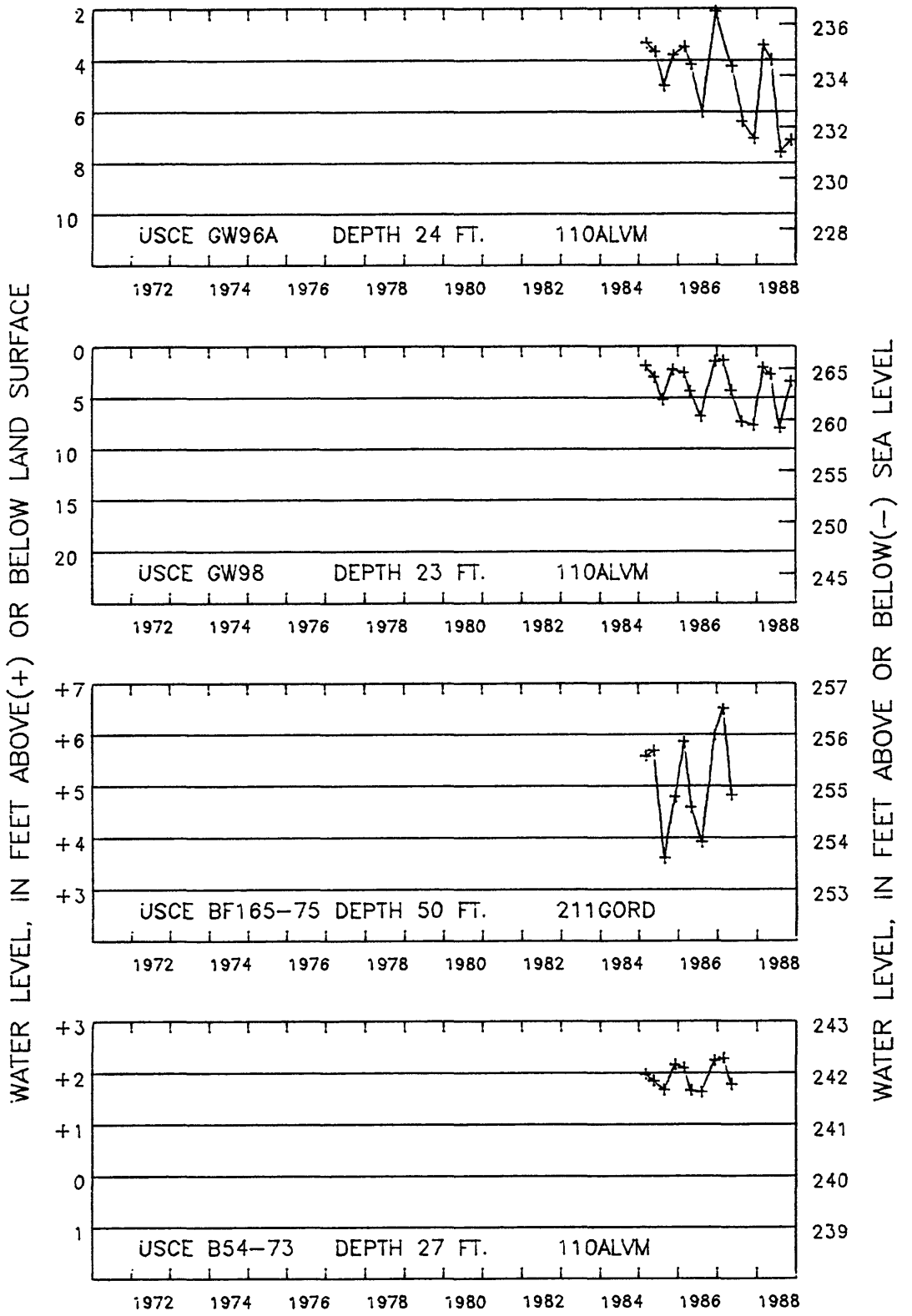

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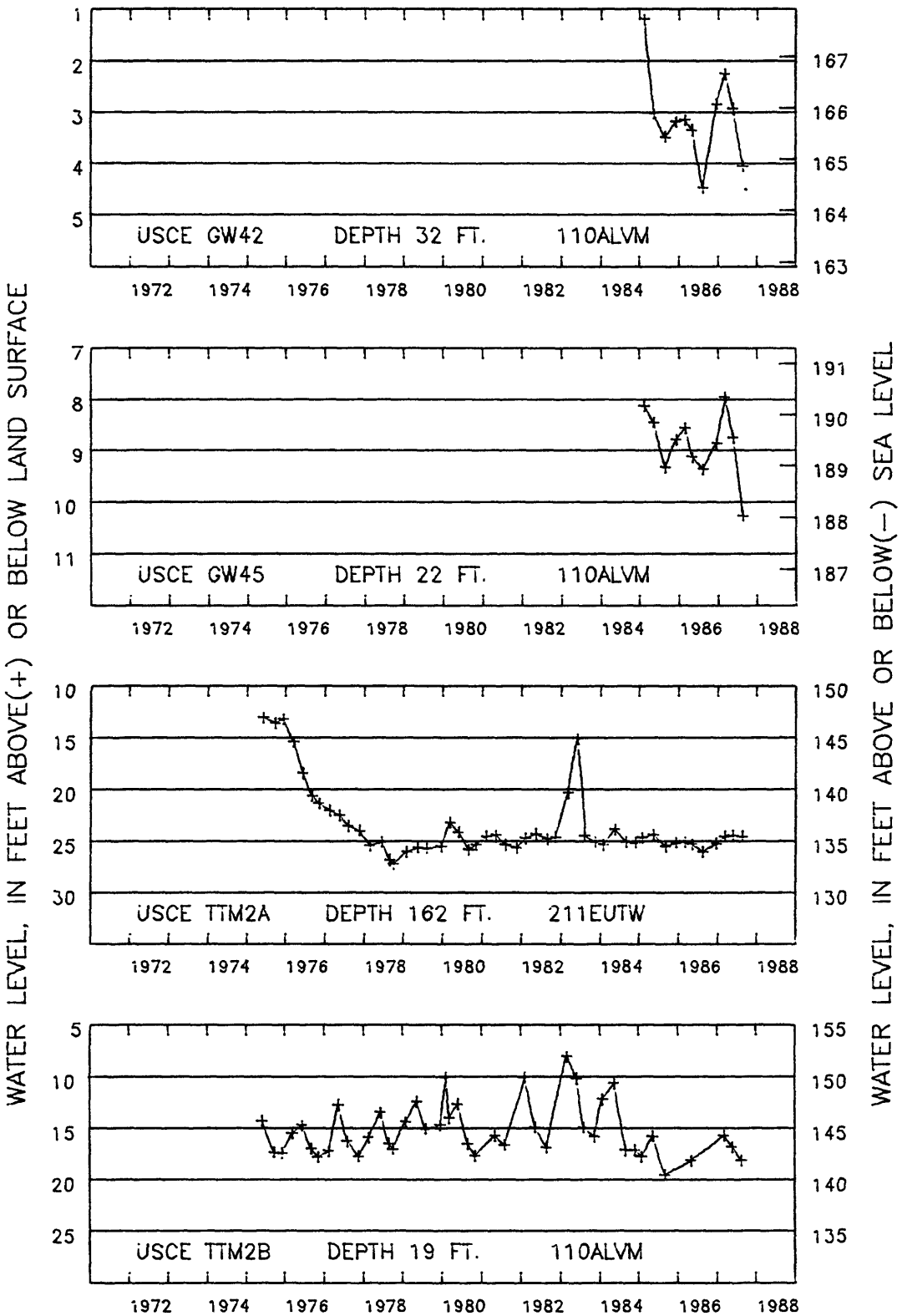

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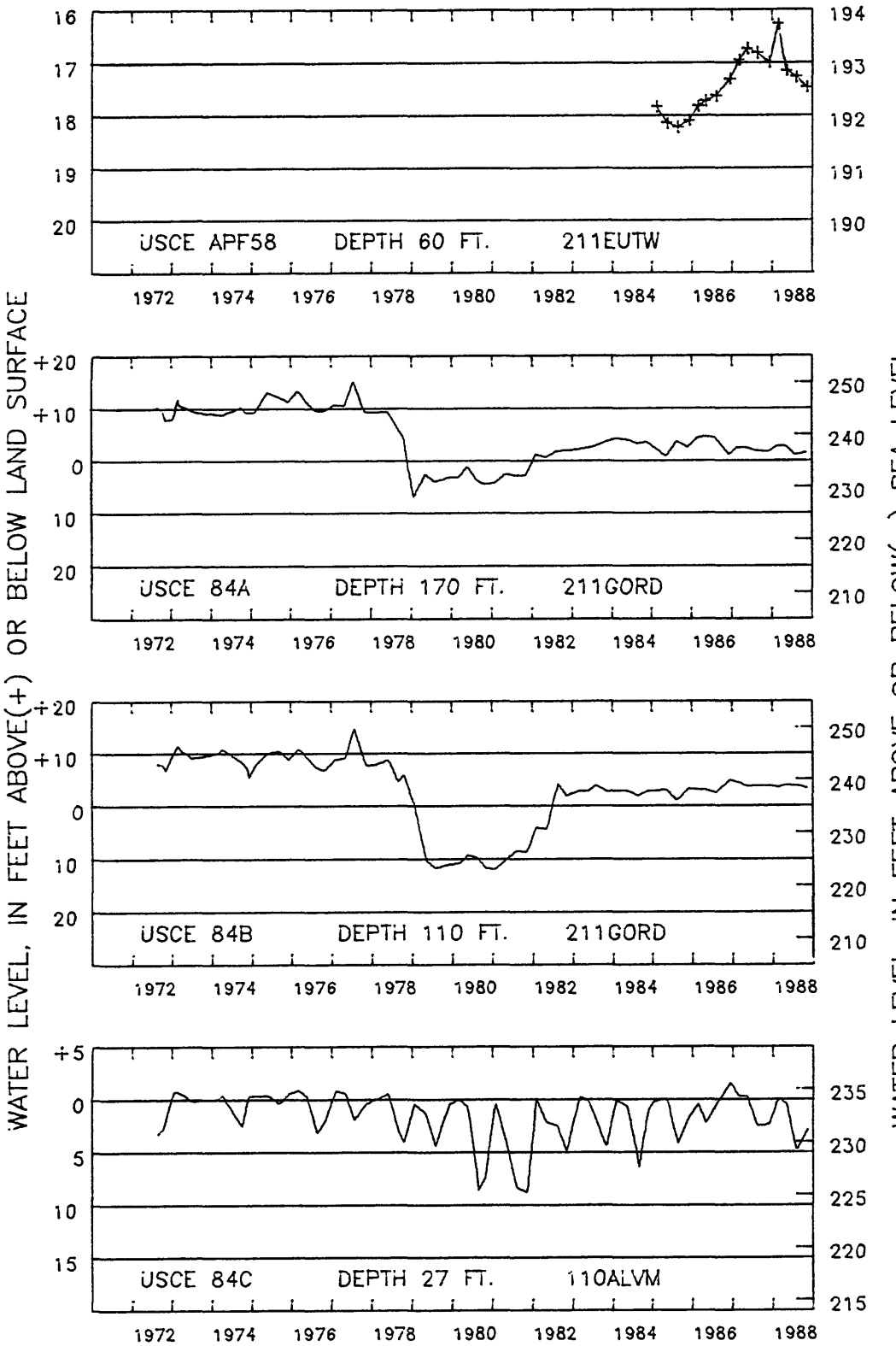

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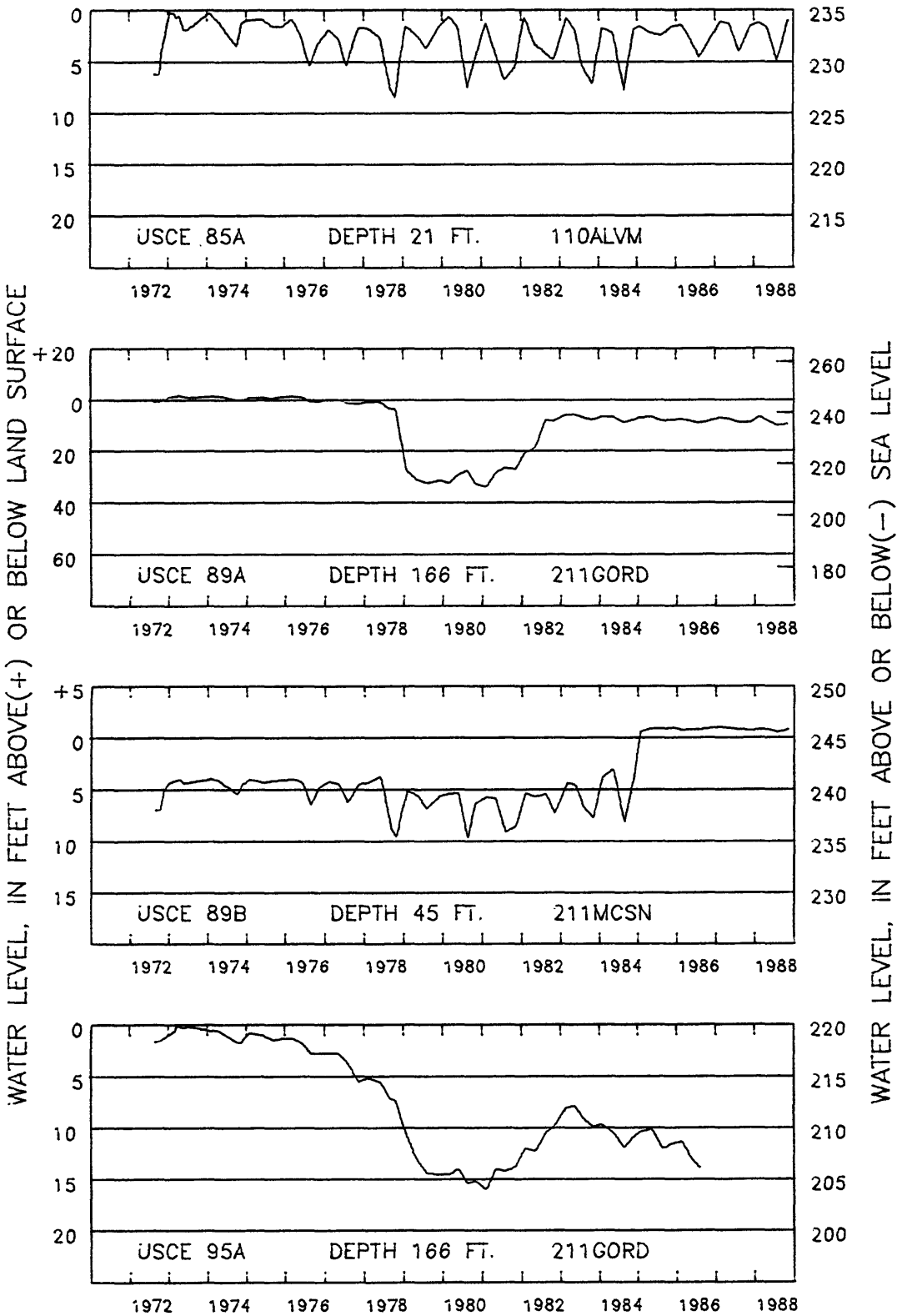

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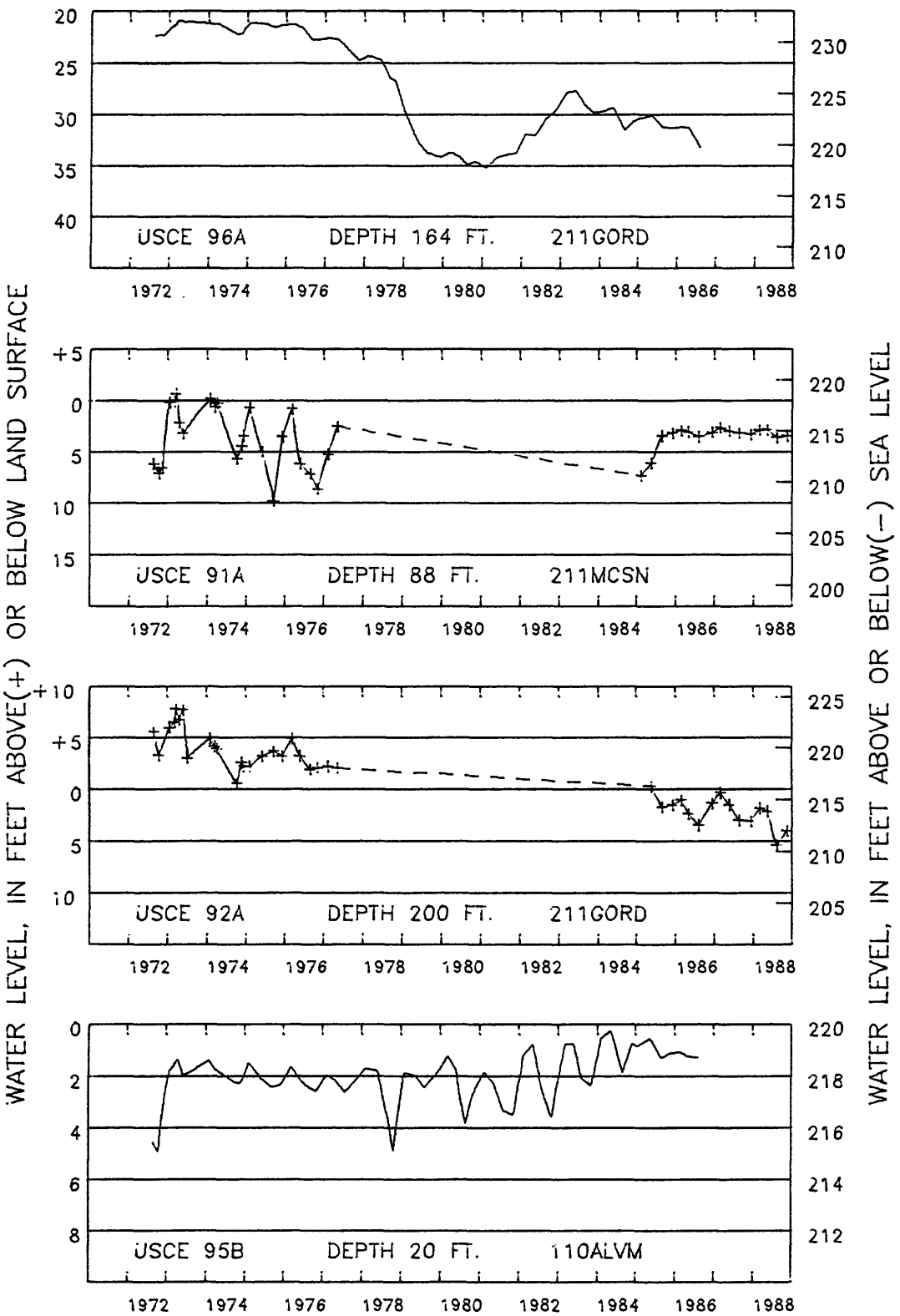

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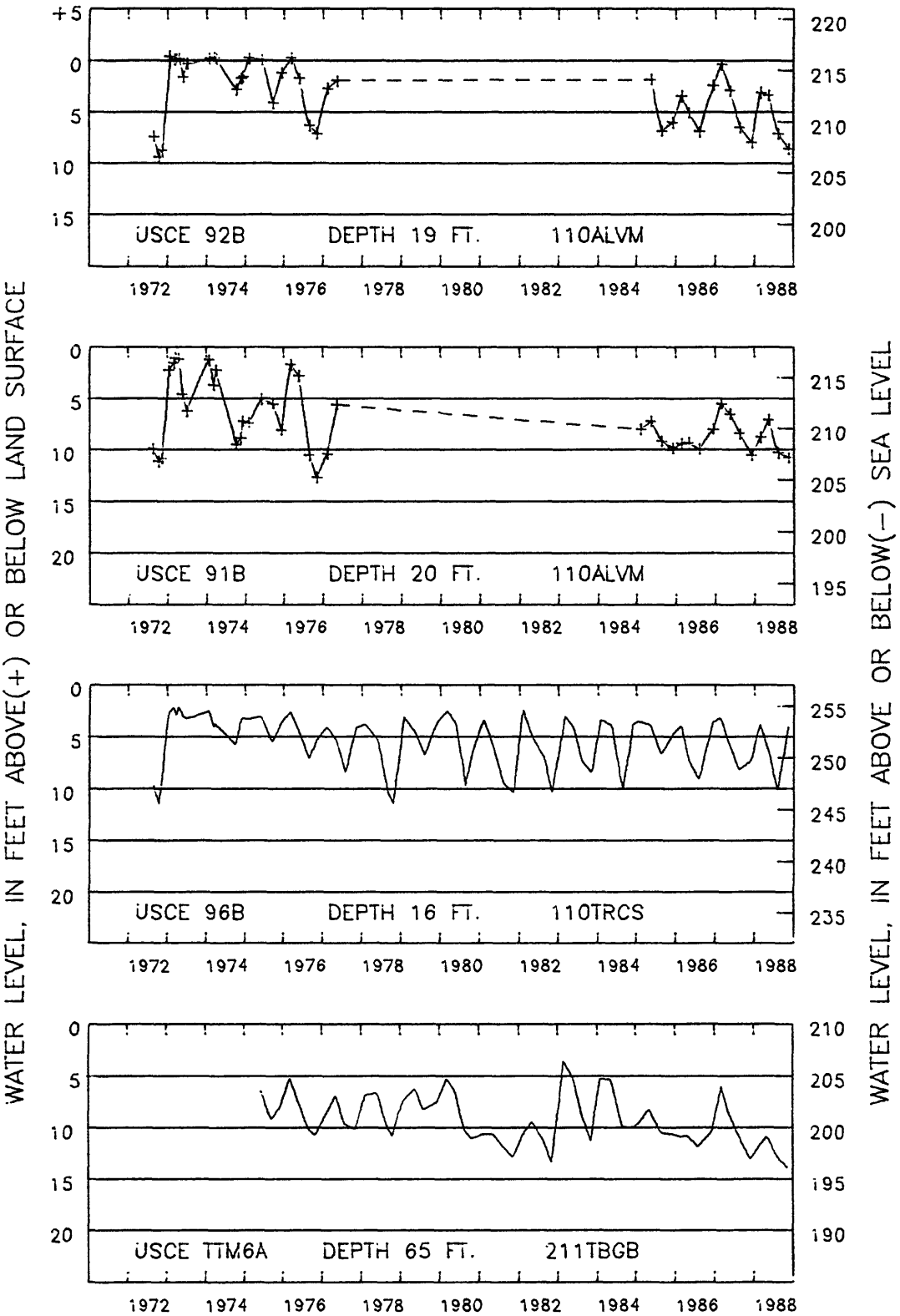
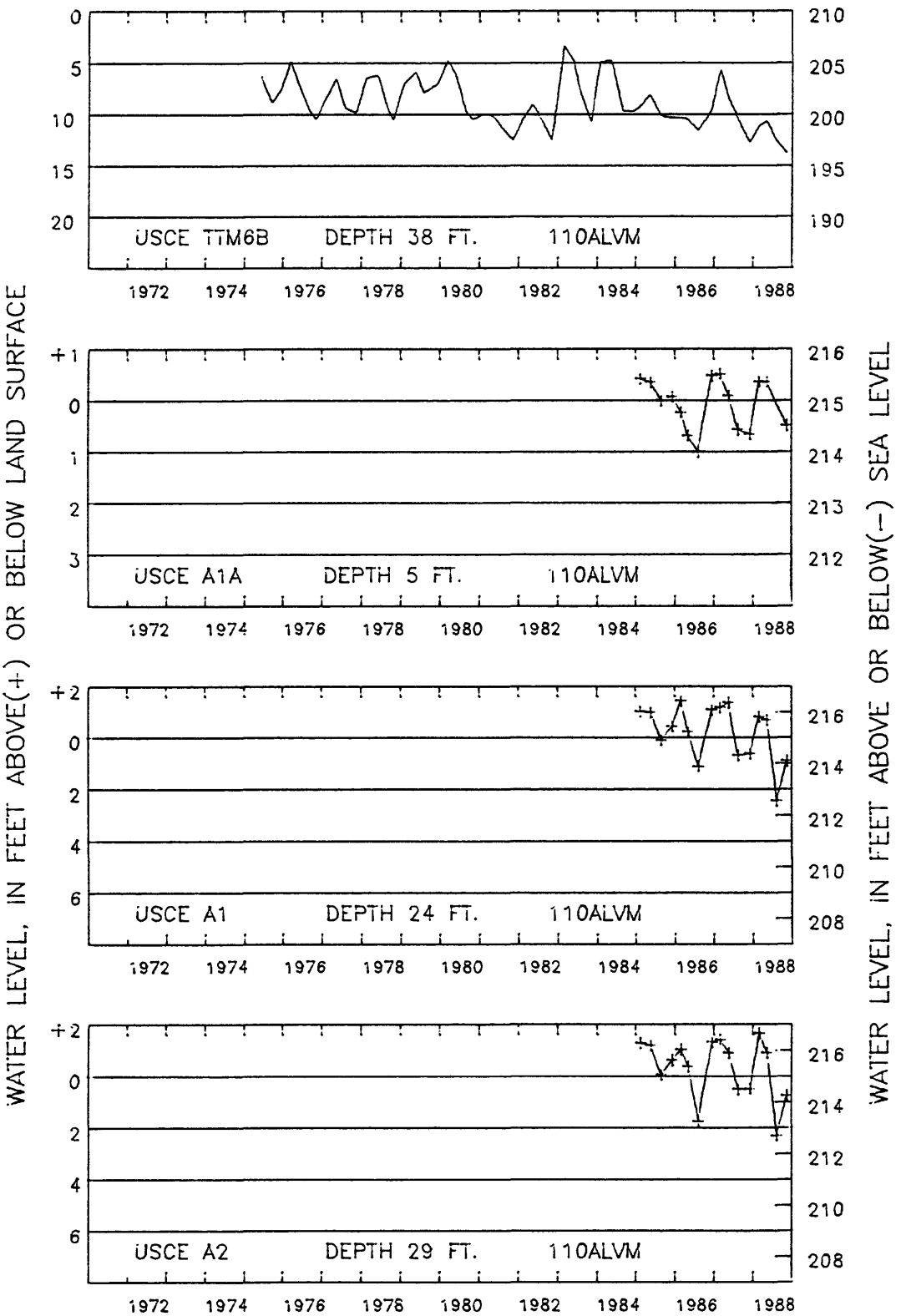


HYDROGRAPHS OF TENNESSEE–TOMBIGBEE OBSERVATION WELLS



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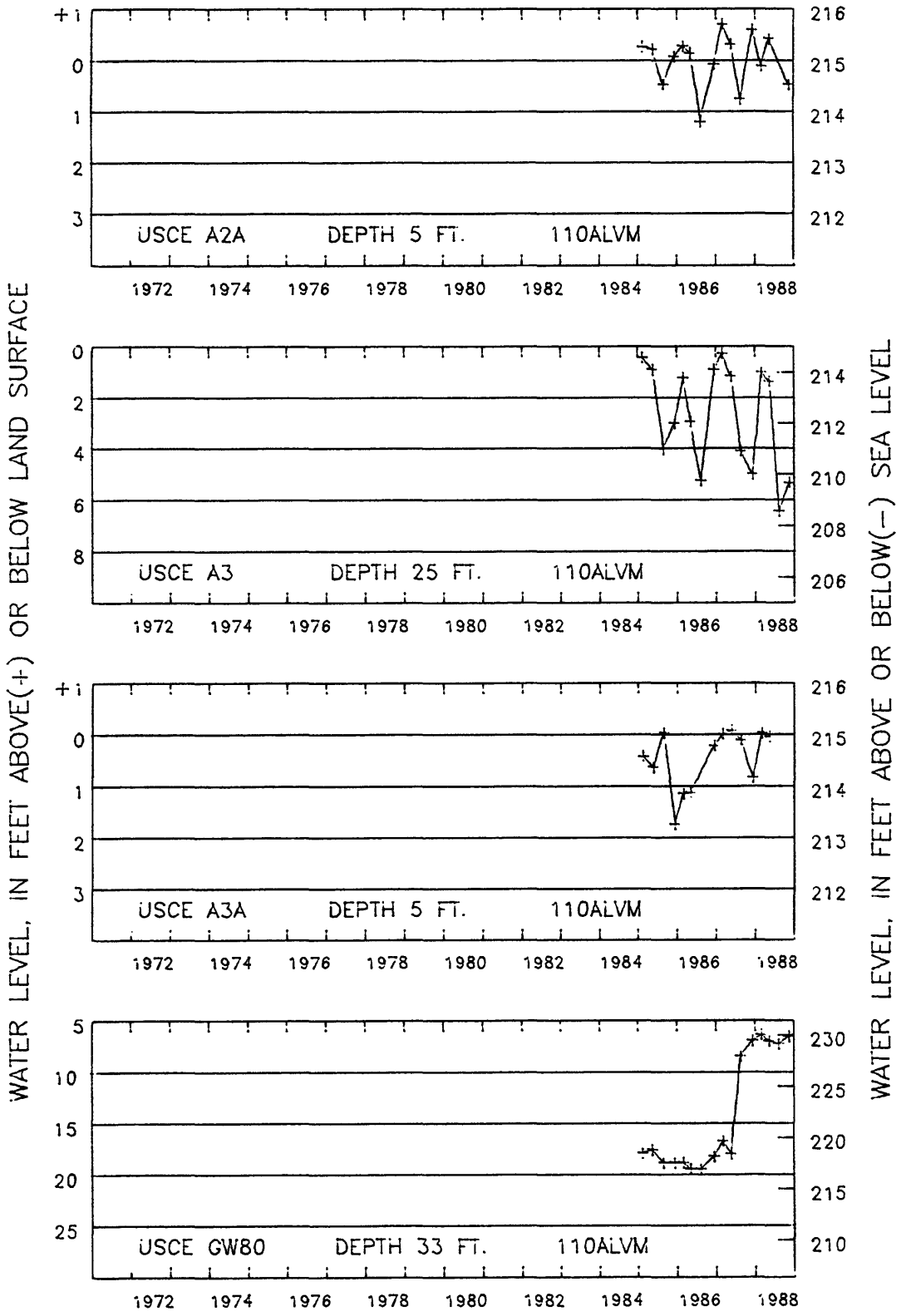

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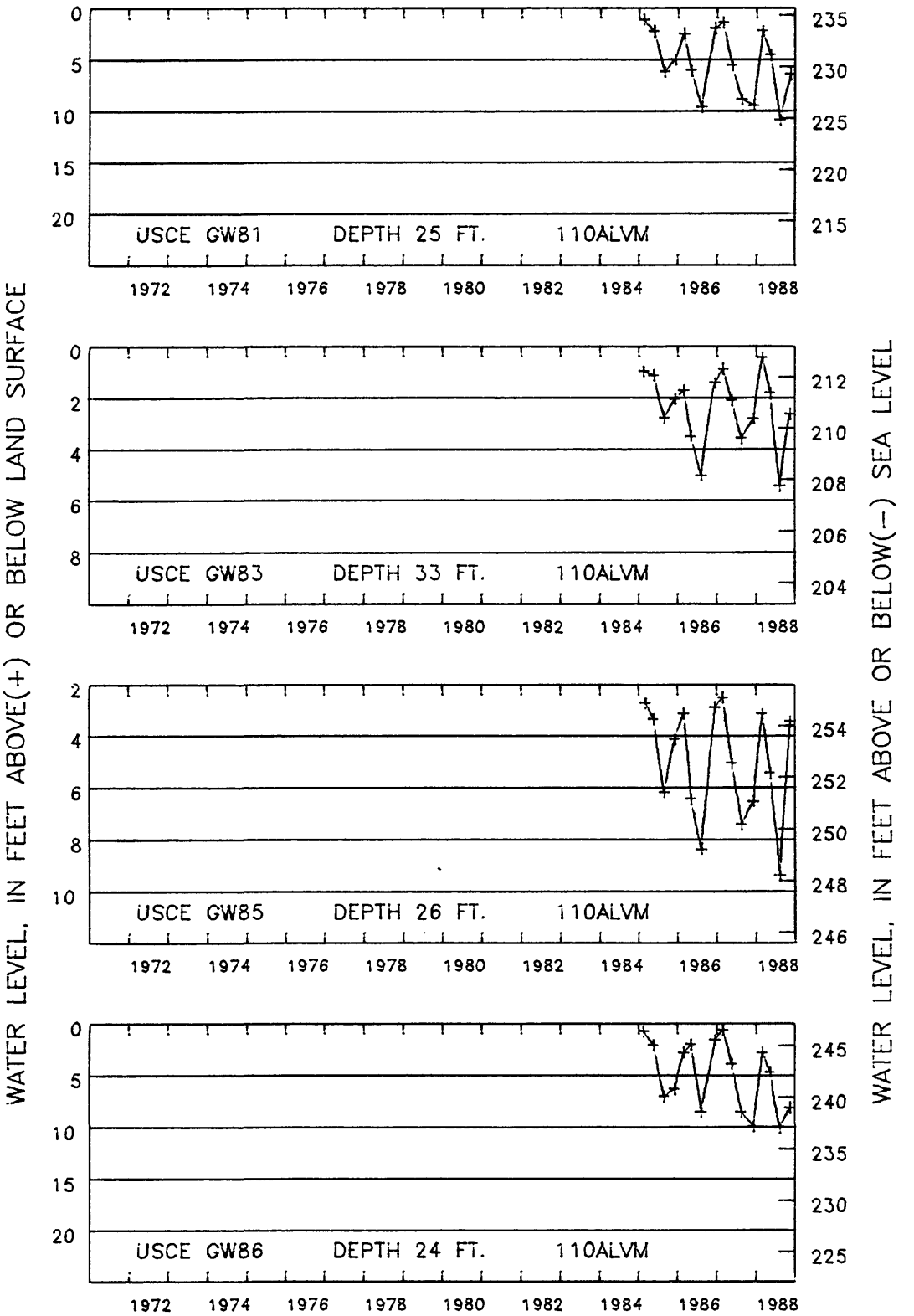

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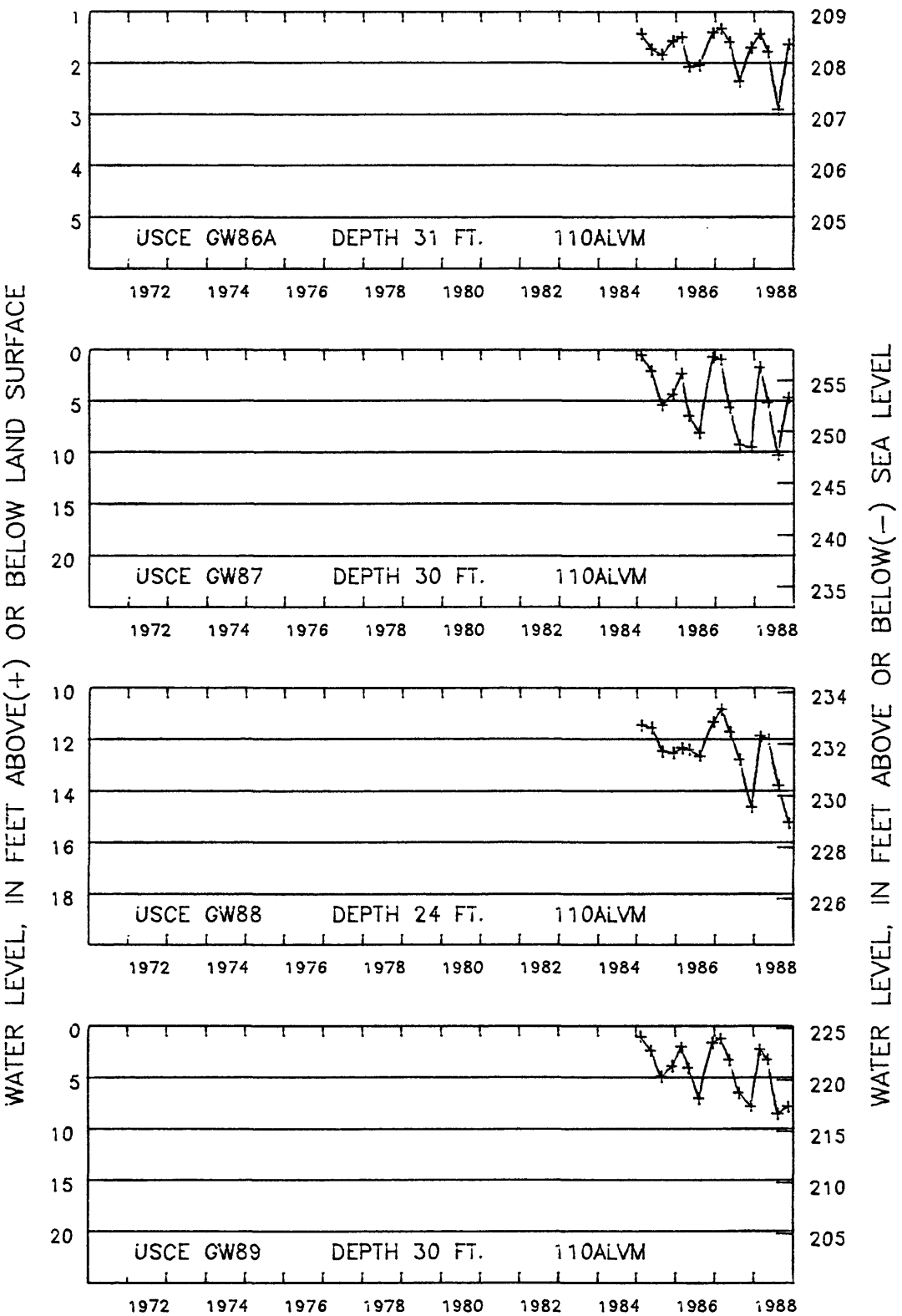

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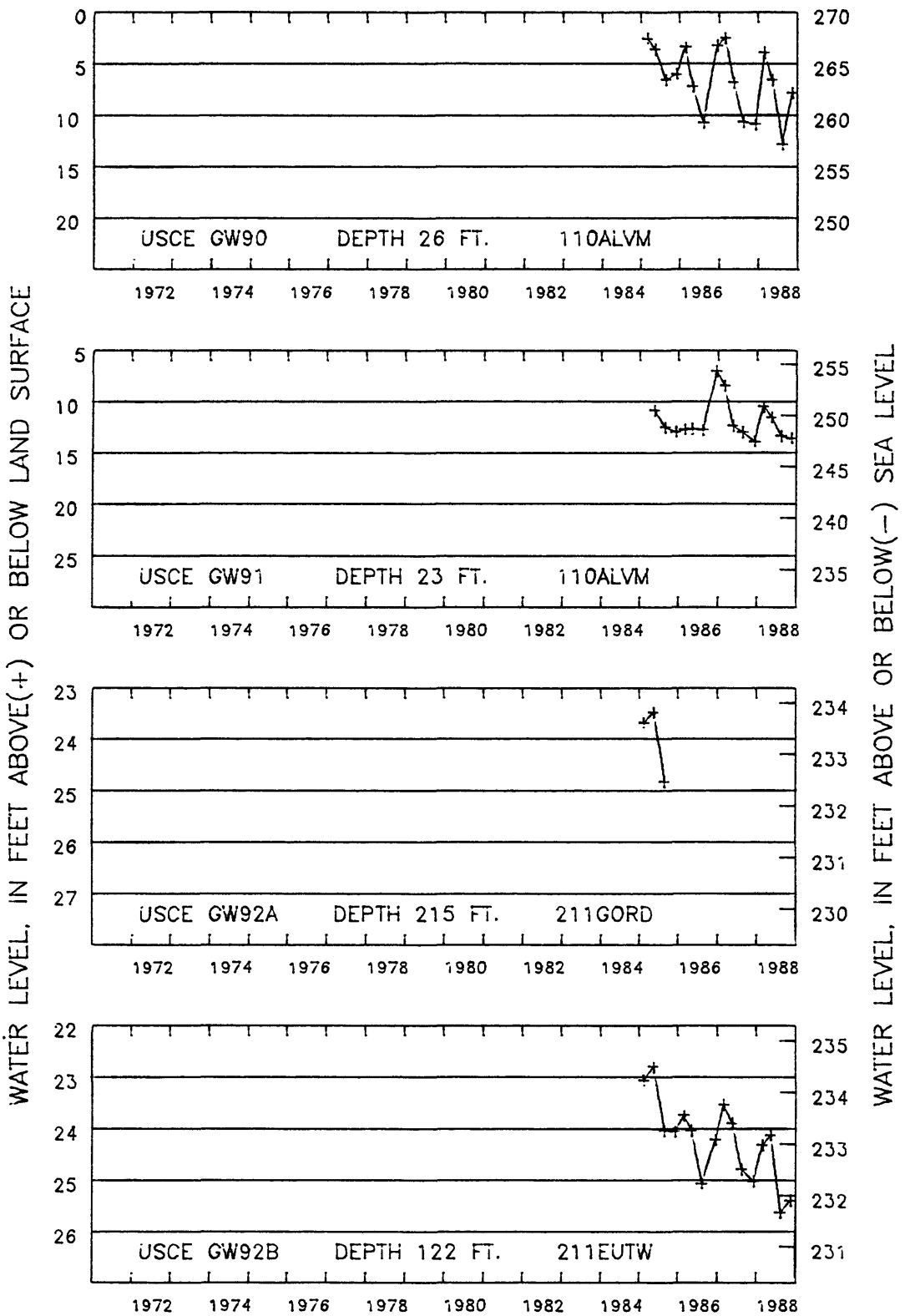

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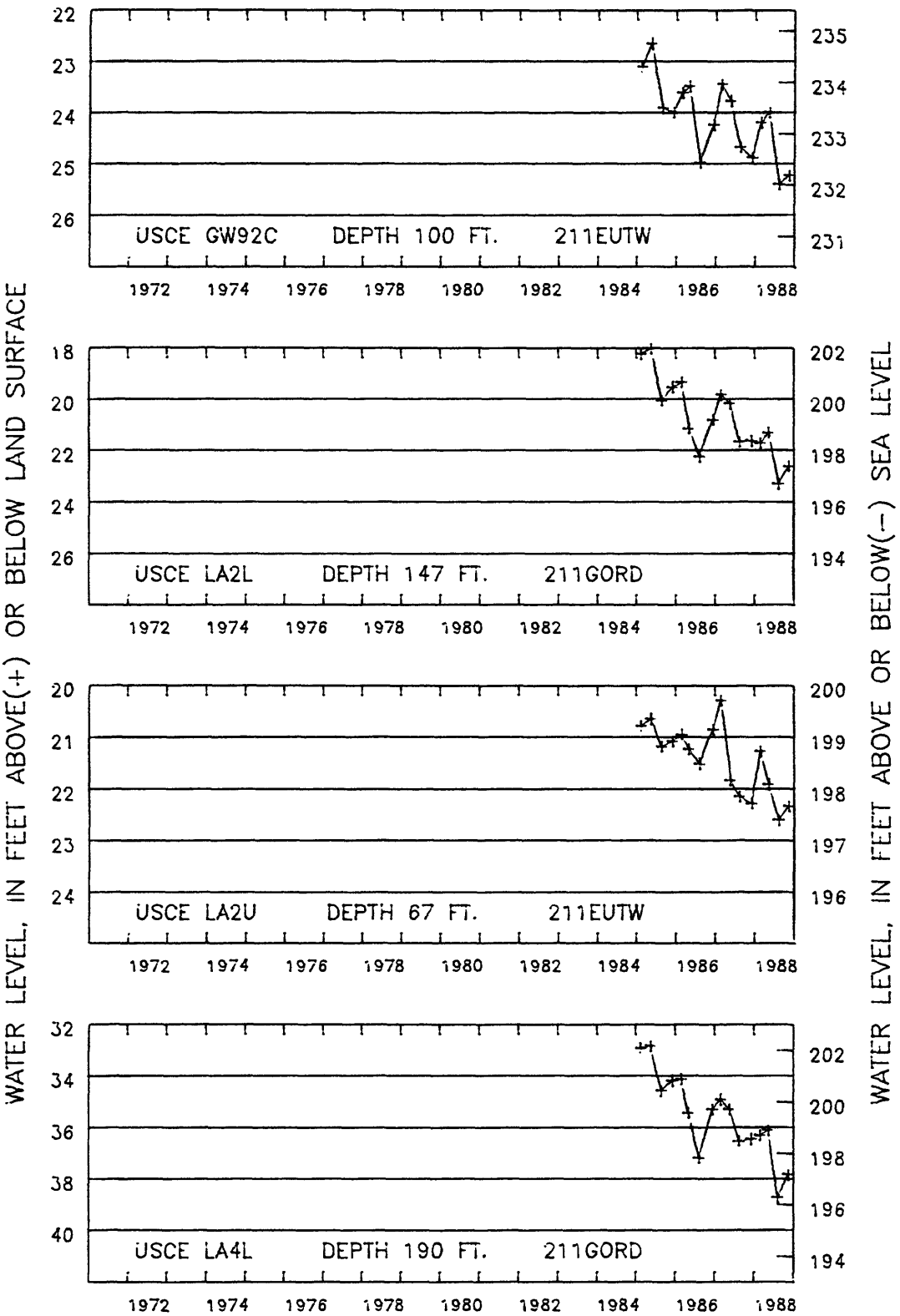

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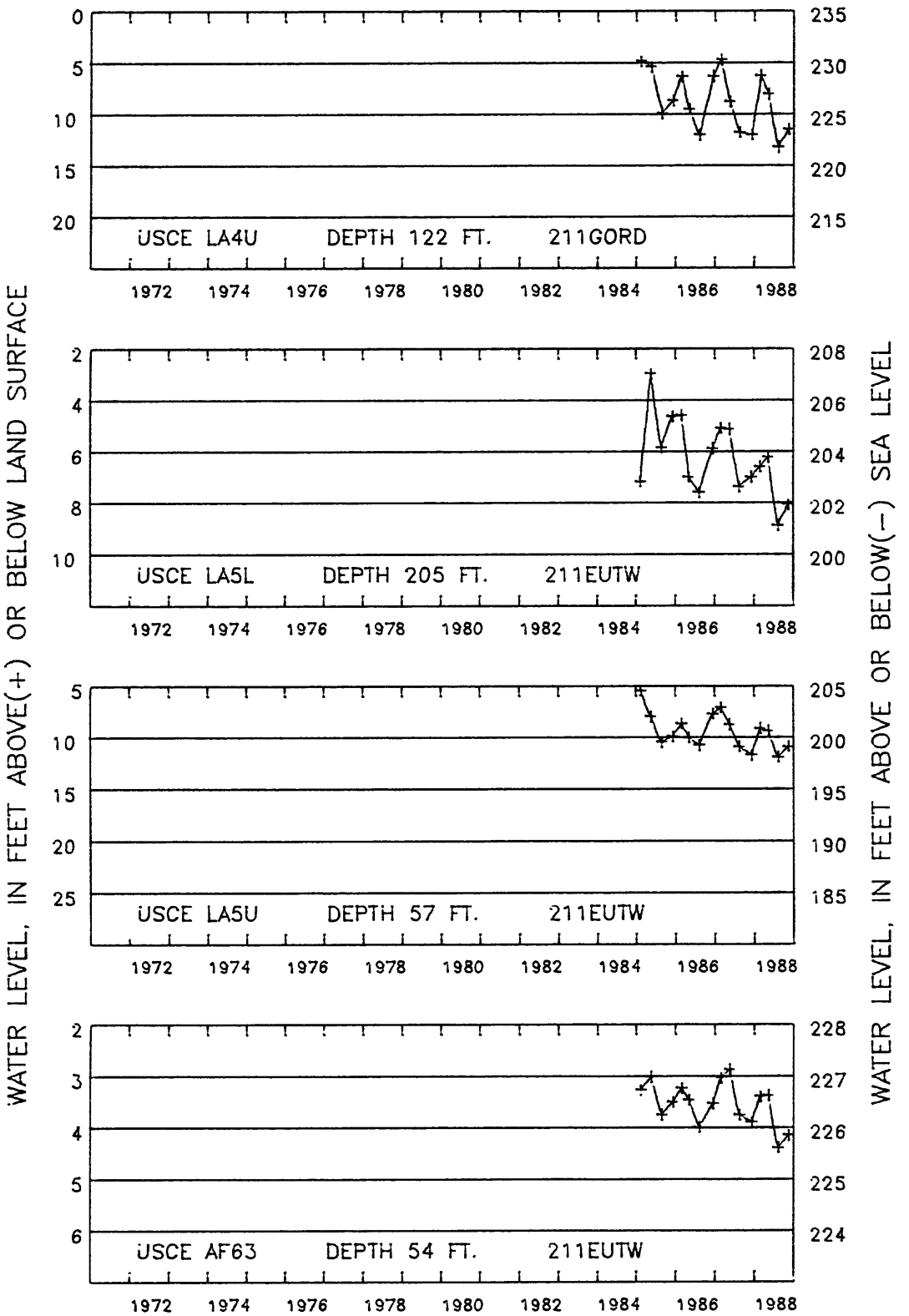

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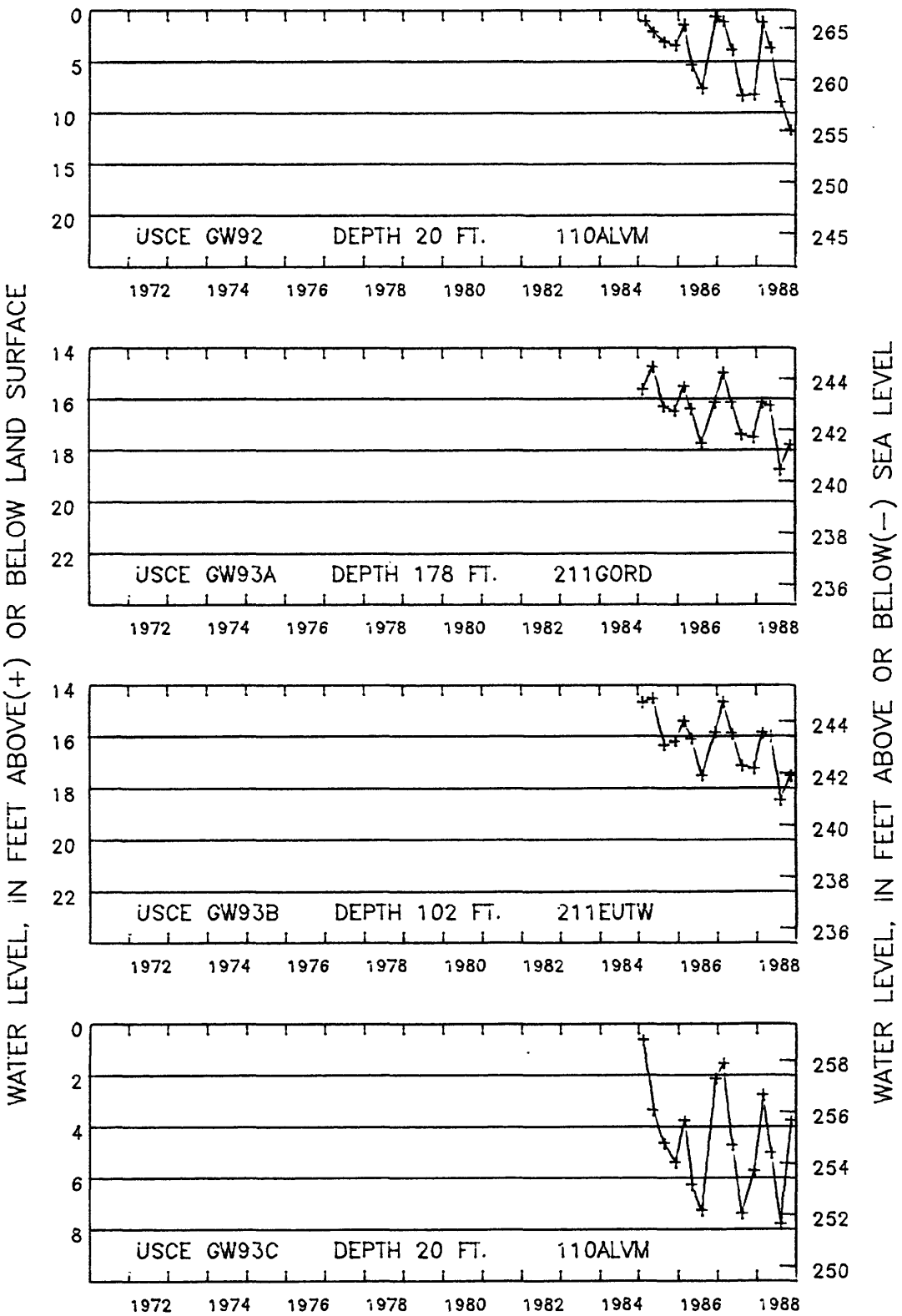

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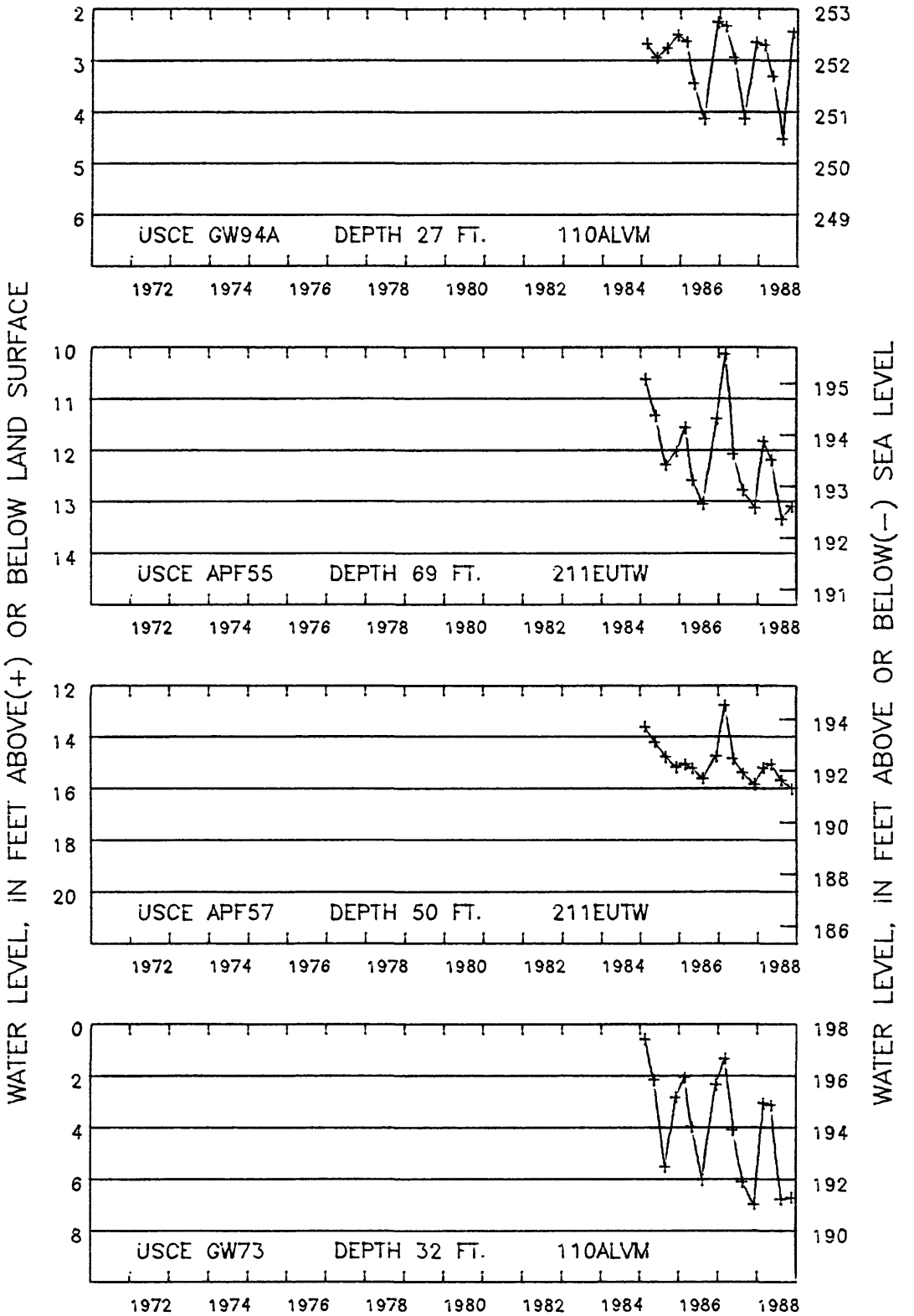

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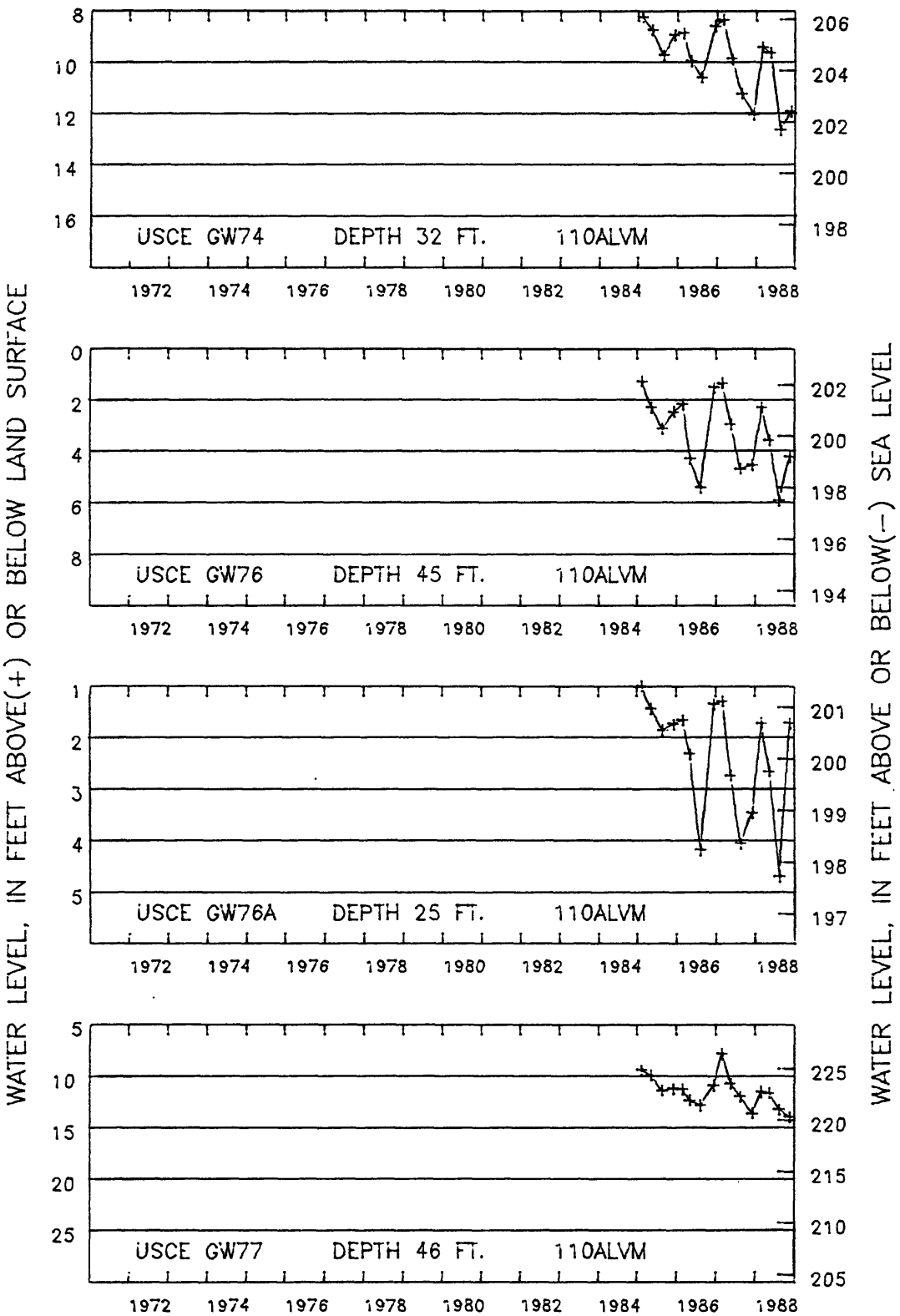

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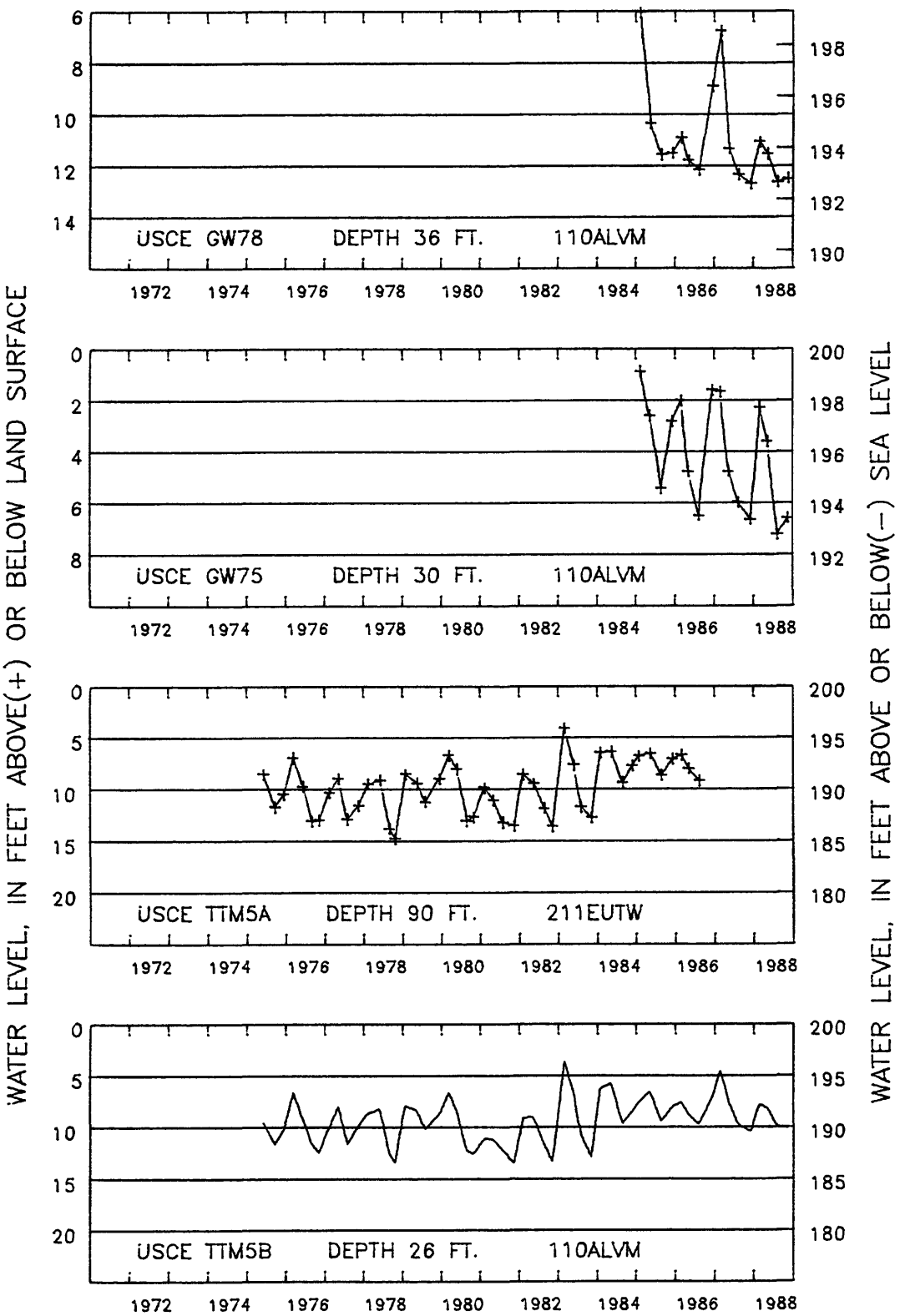

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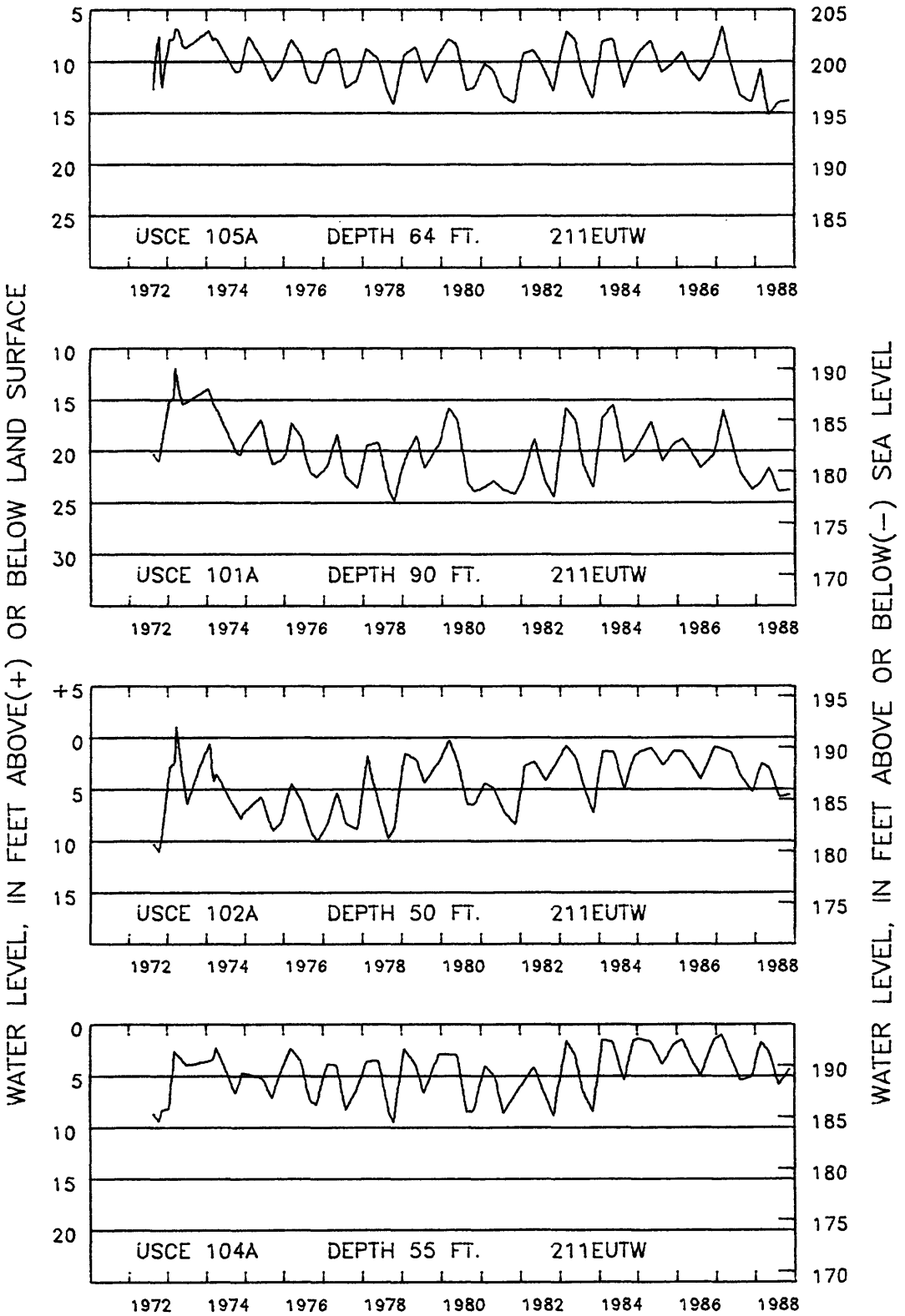

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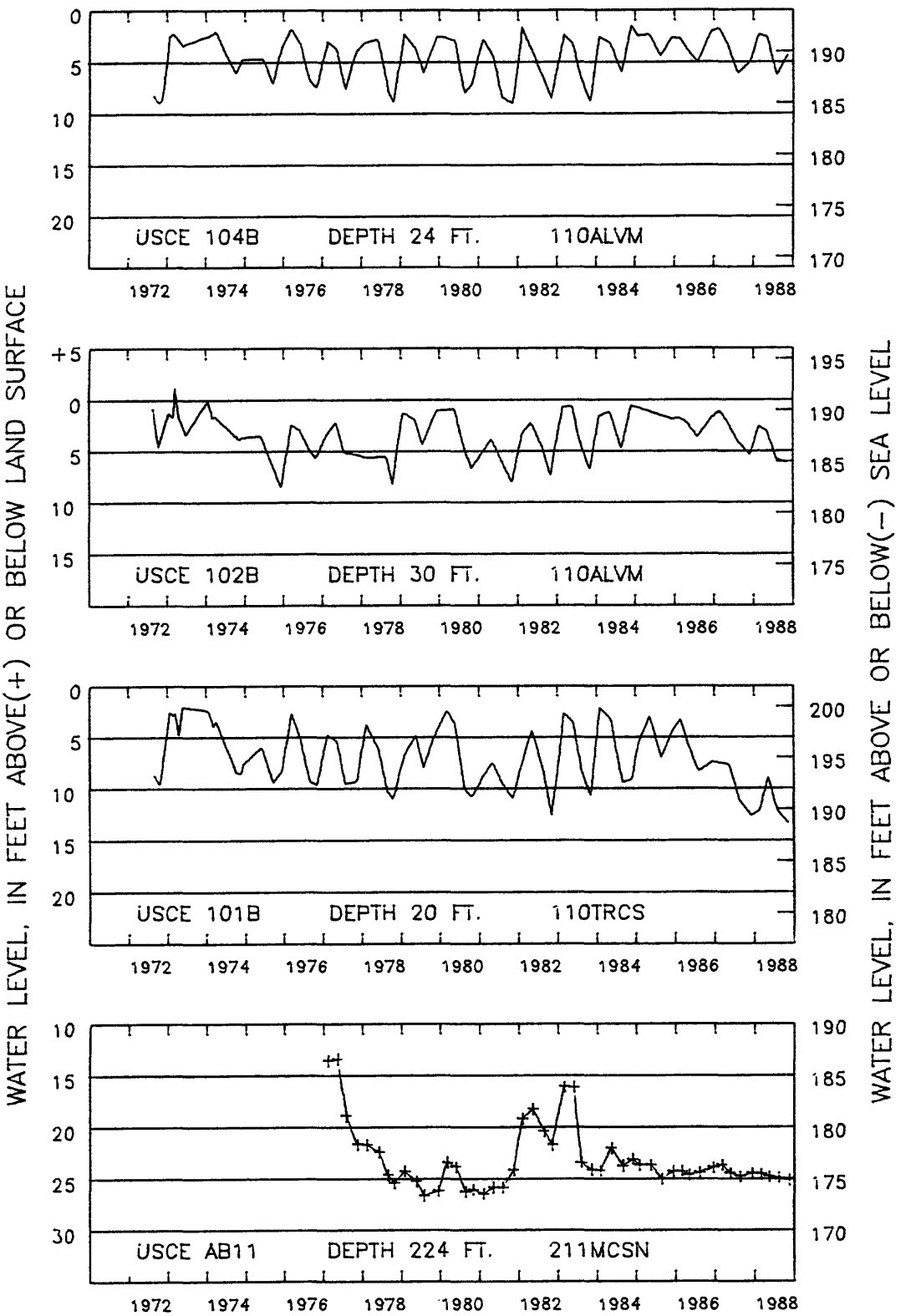

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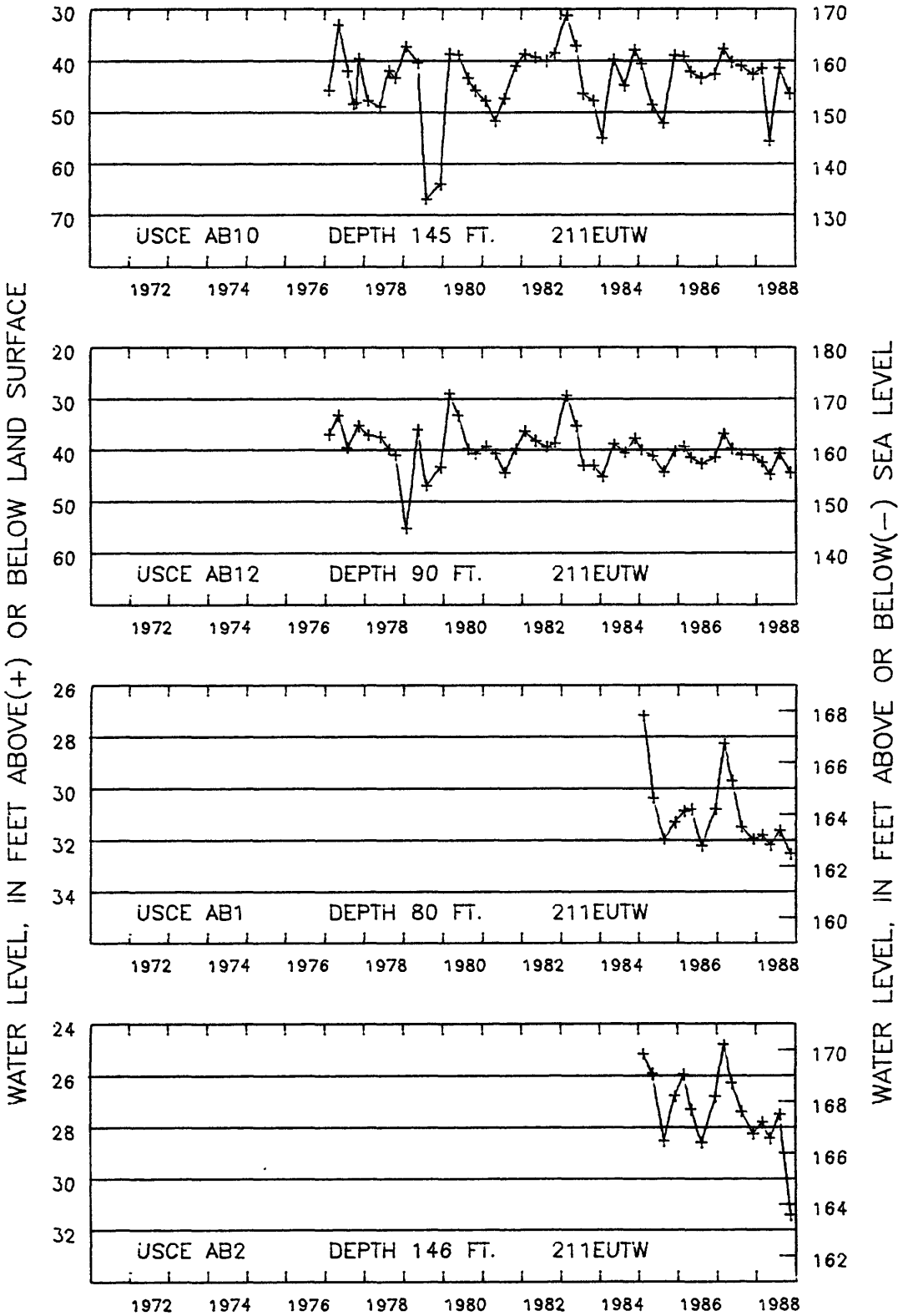

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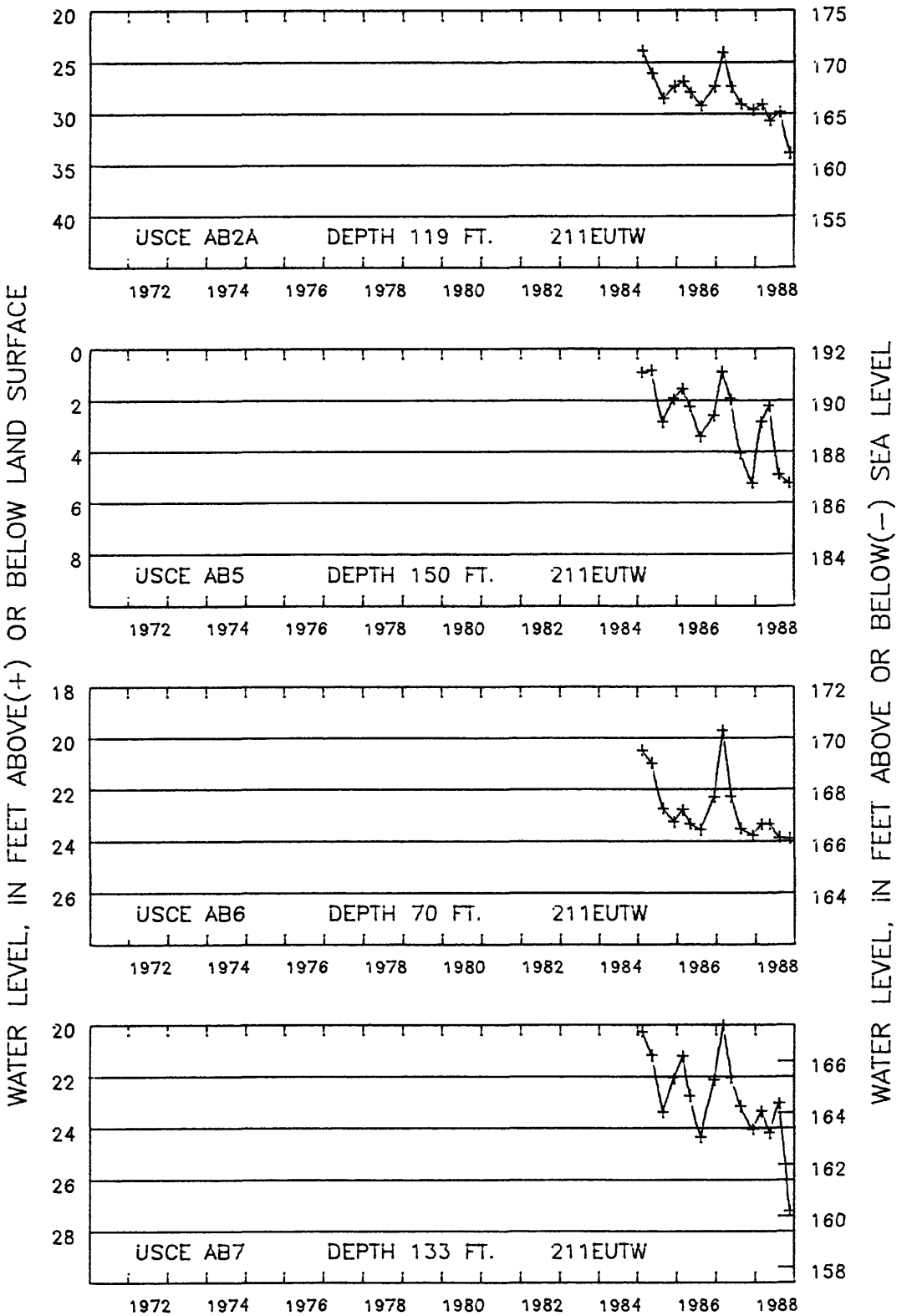

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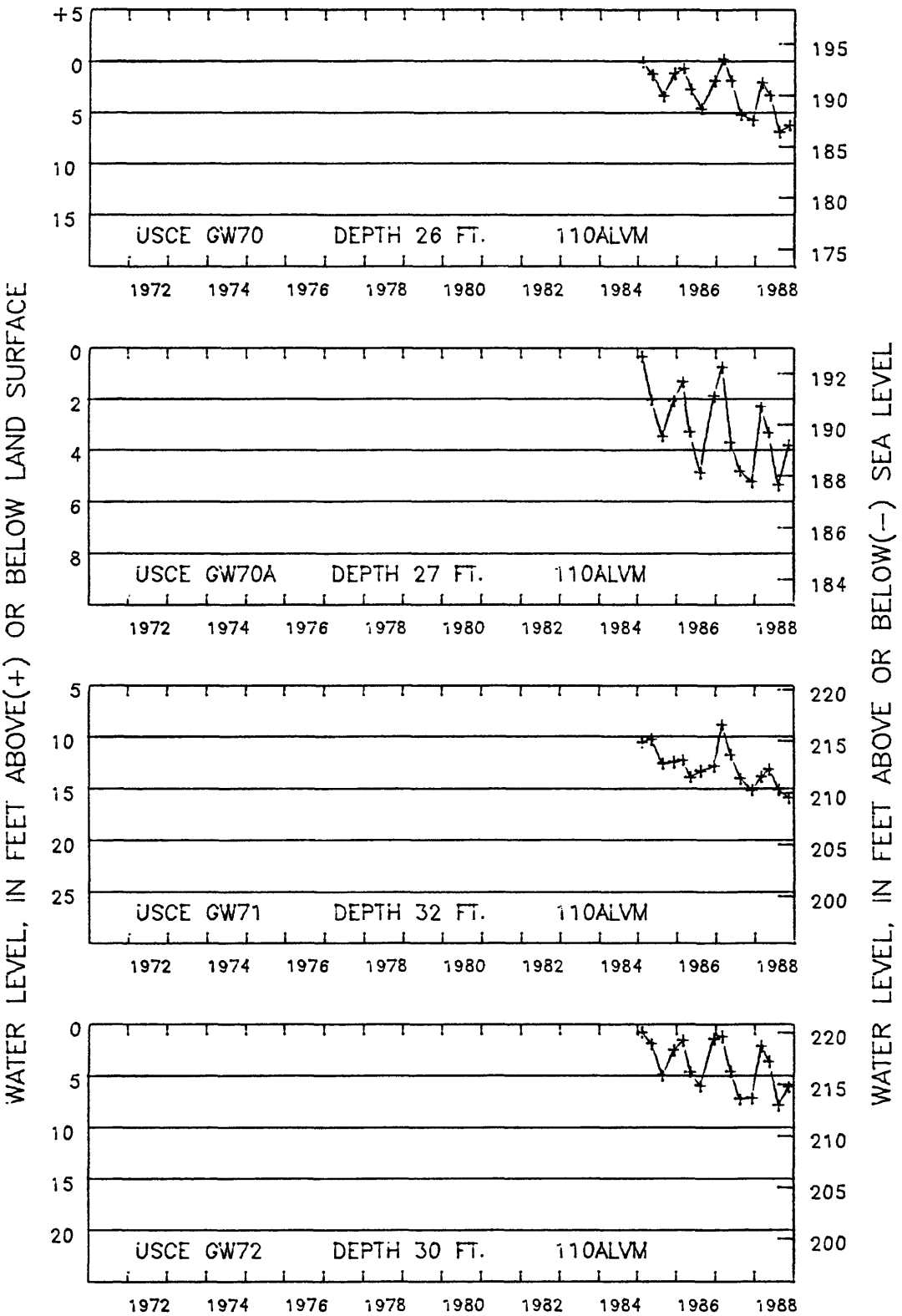

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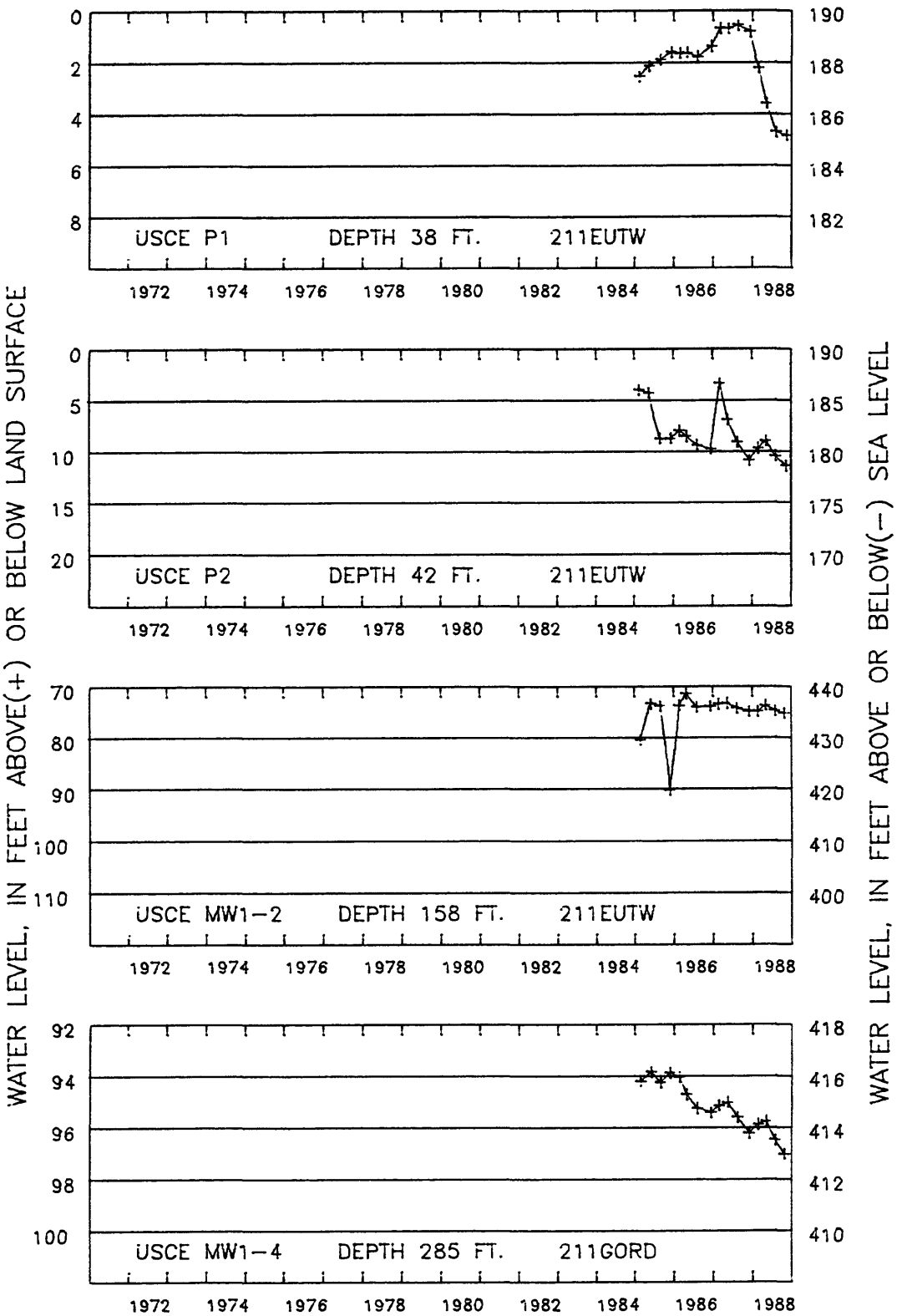

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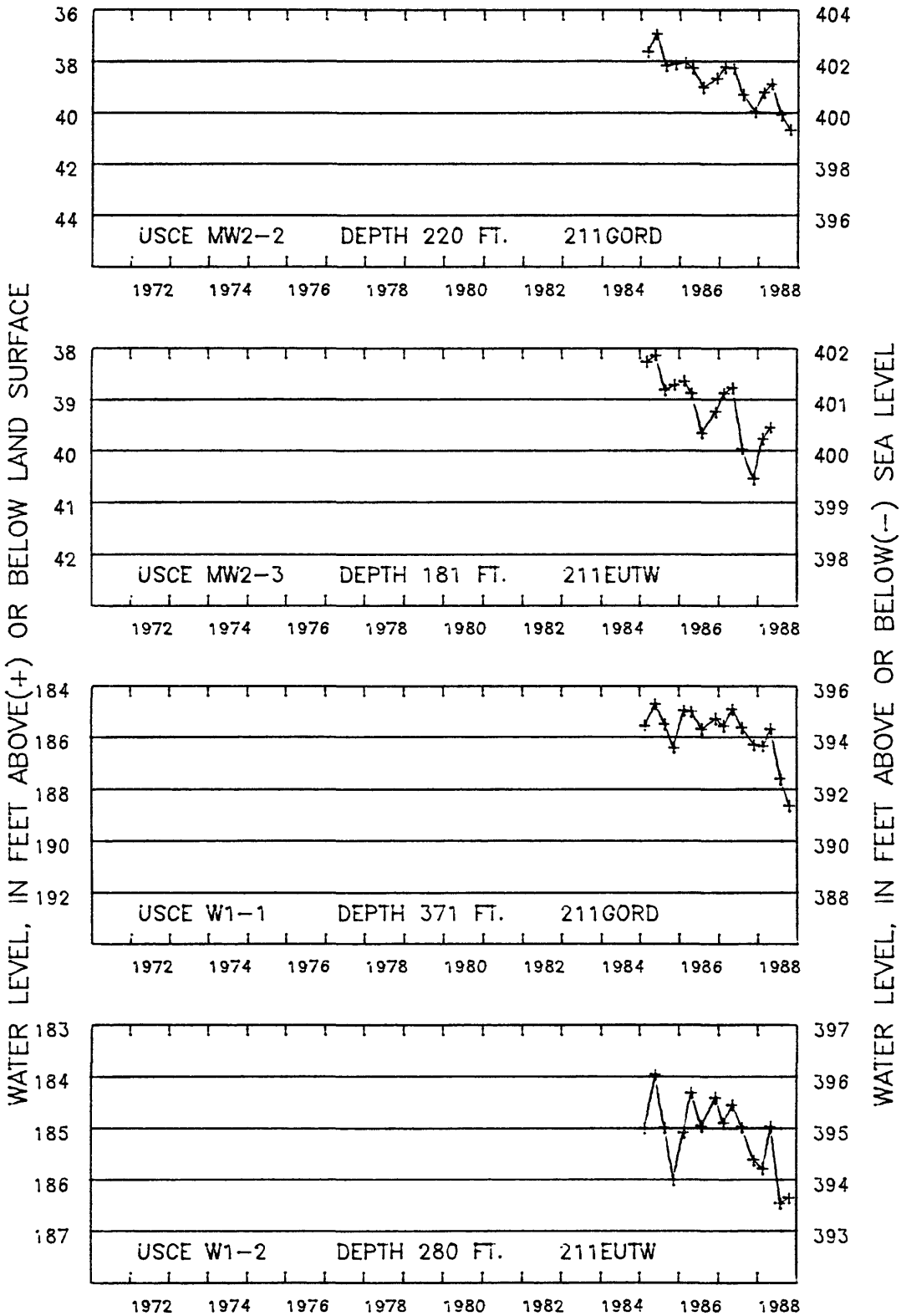

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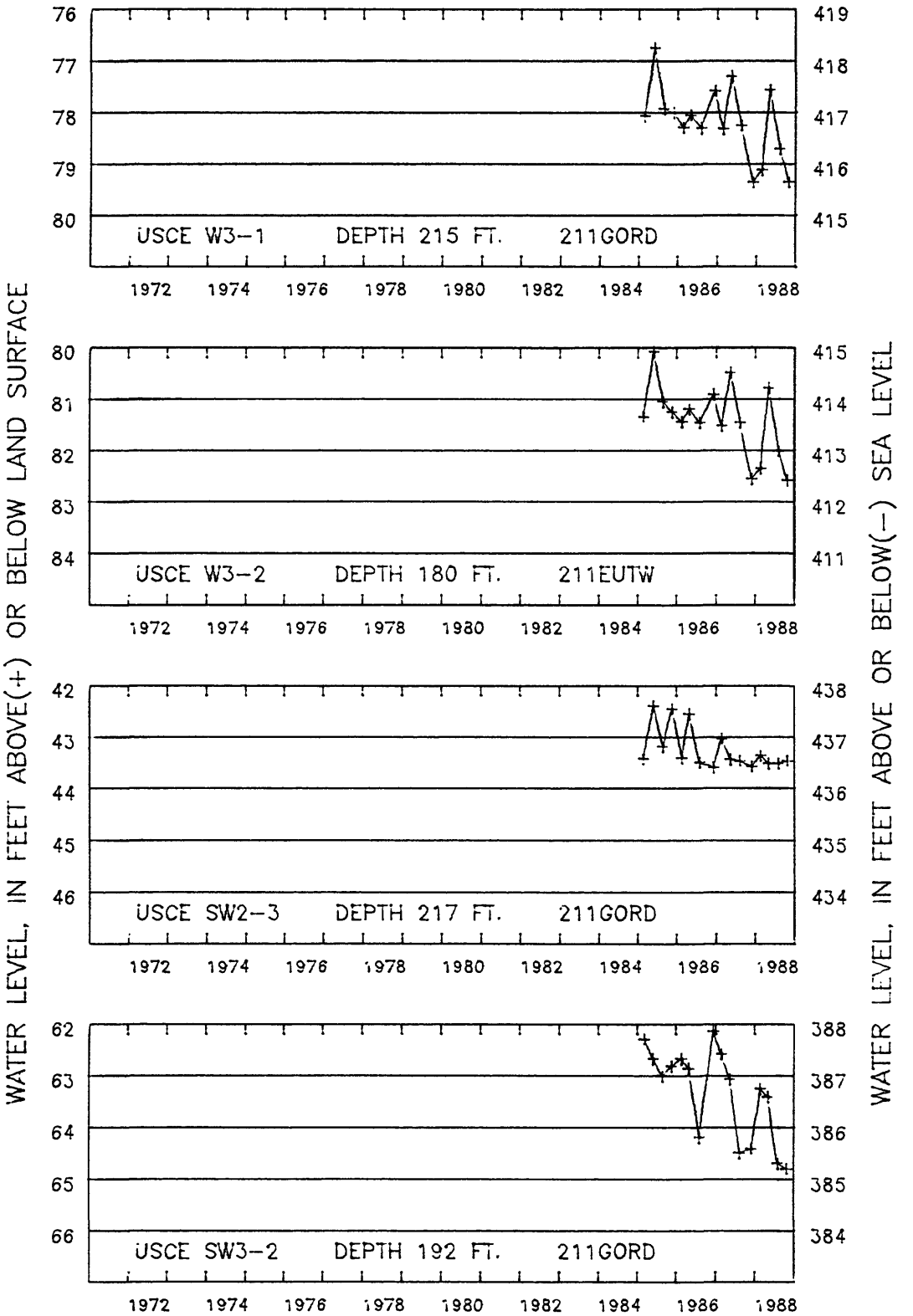

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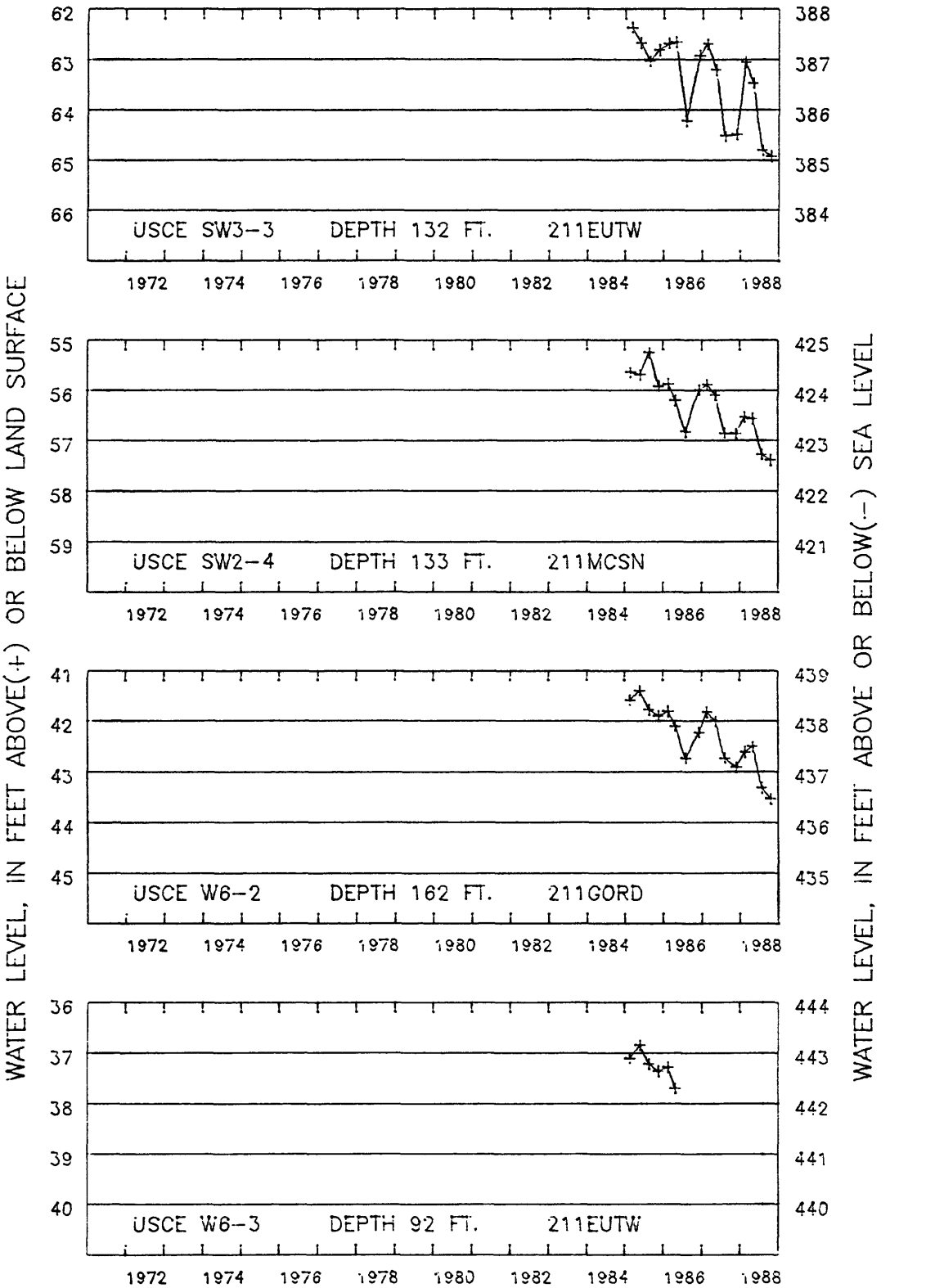

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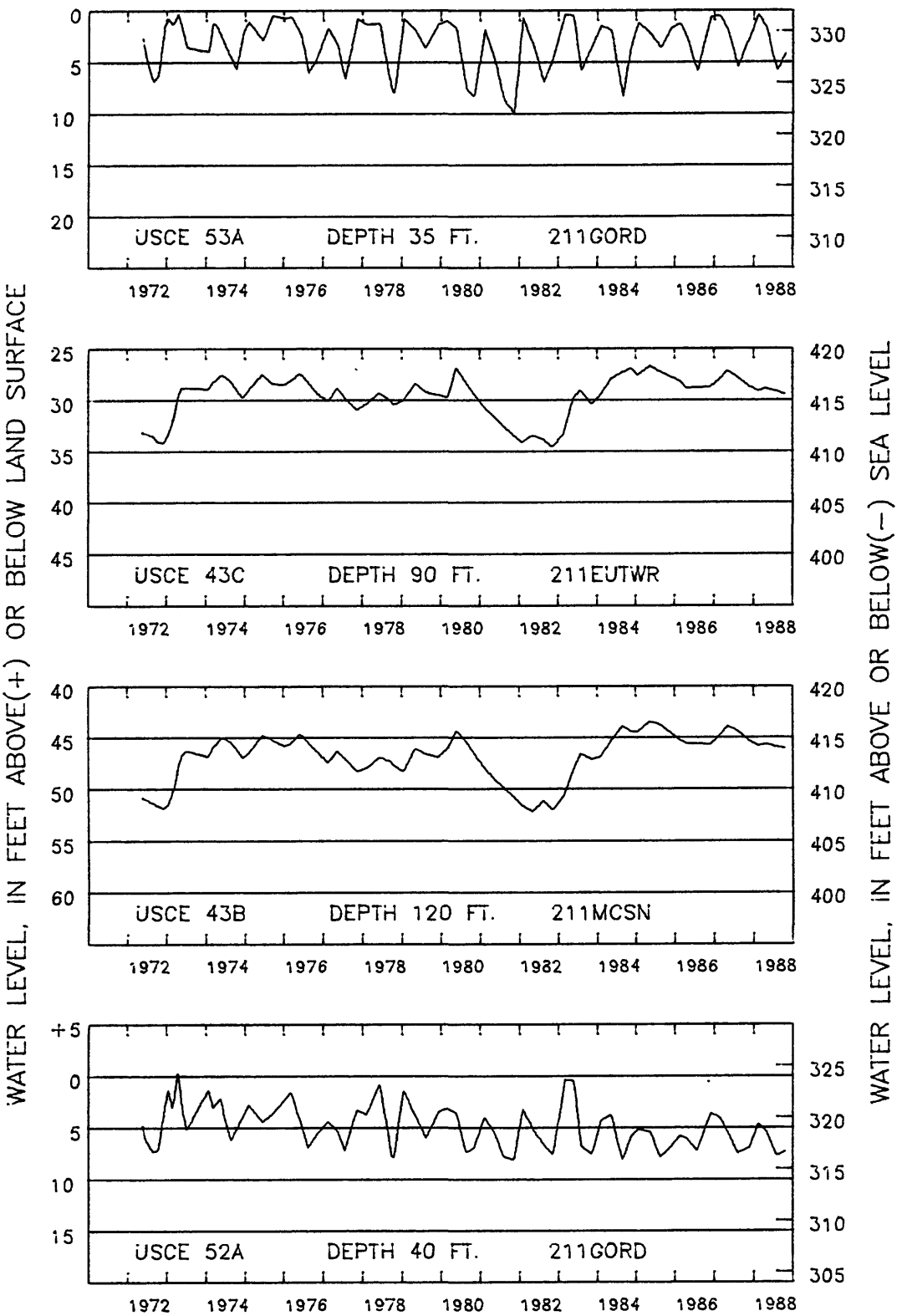

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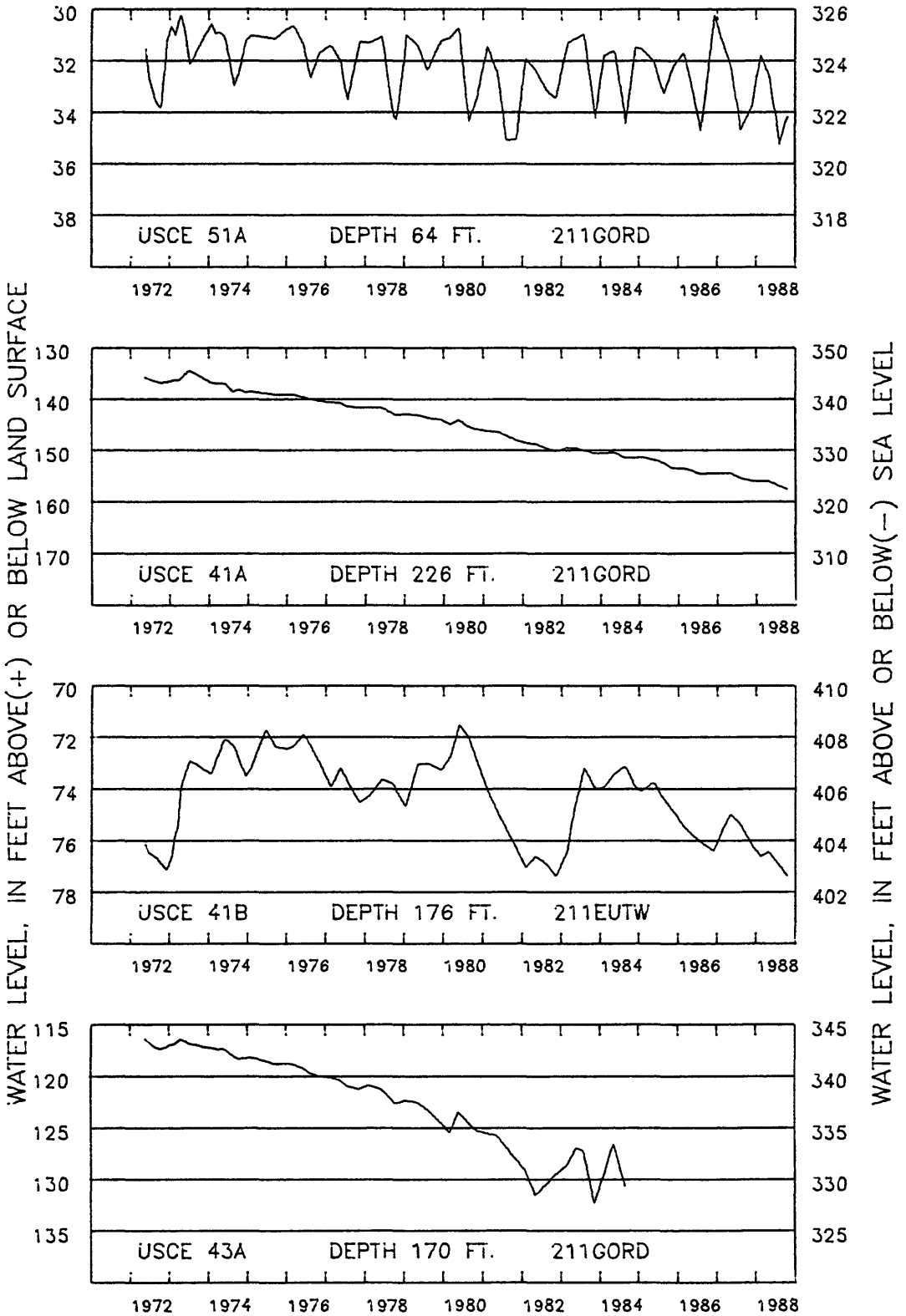

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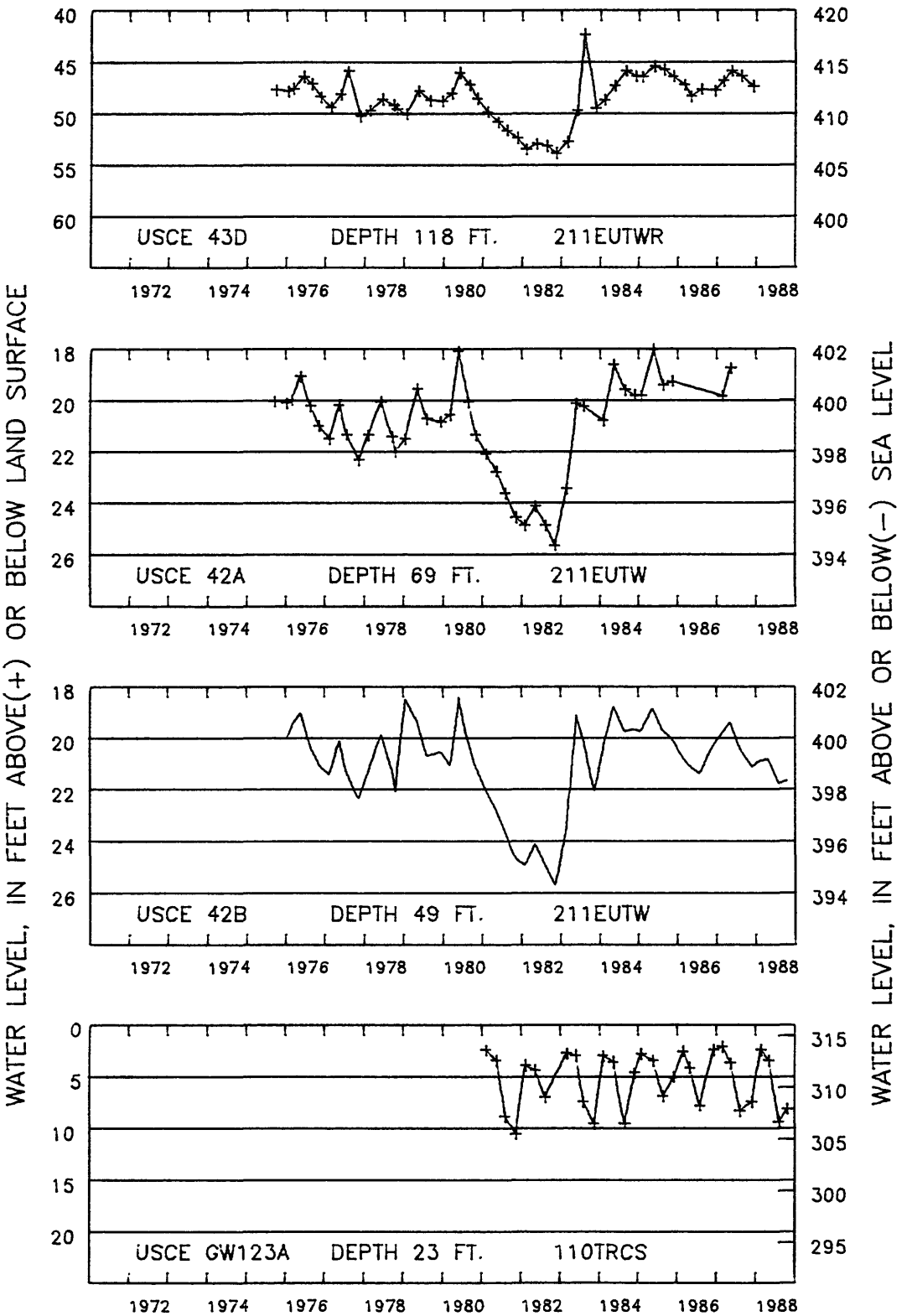

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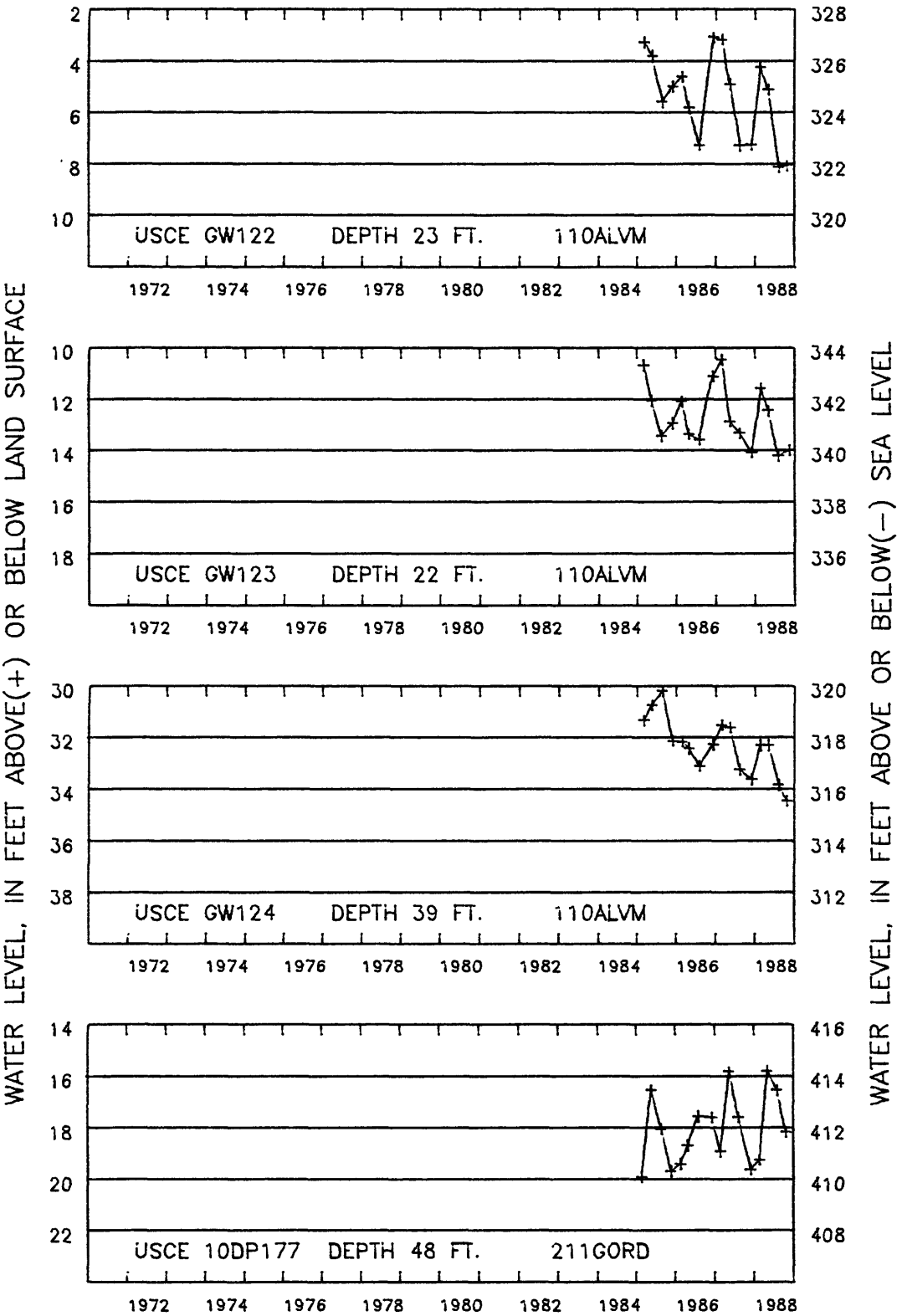

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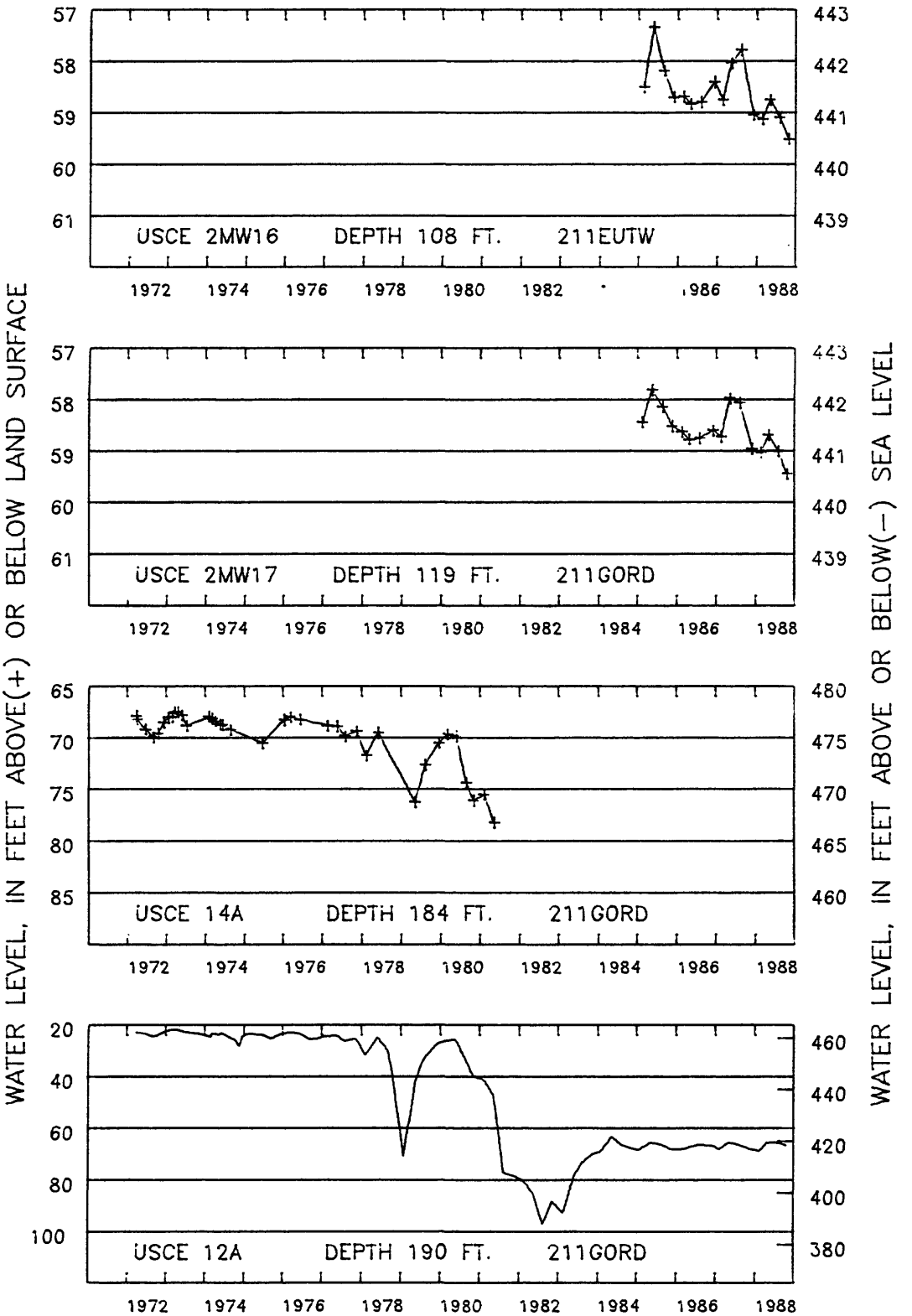

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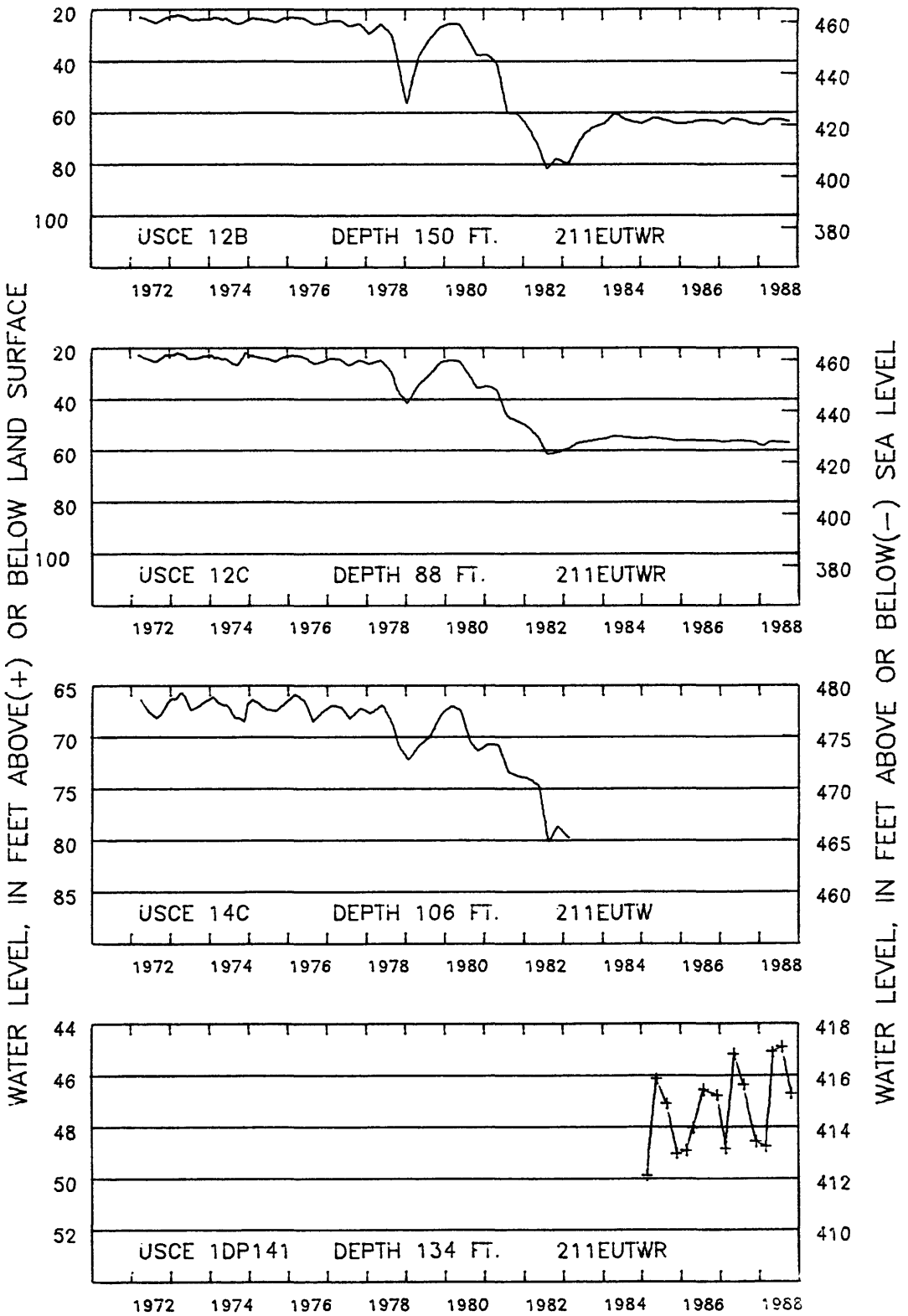

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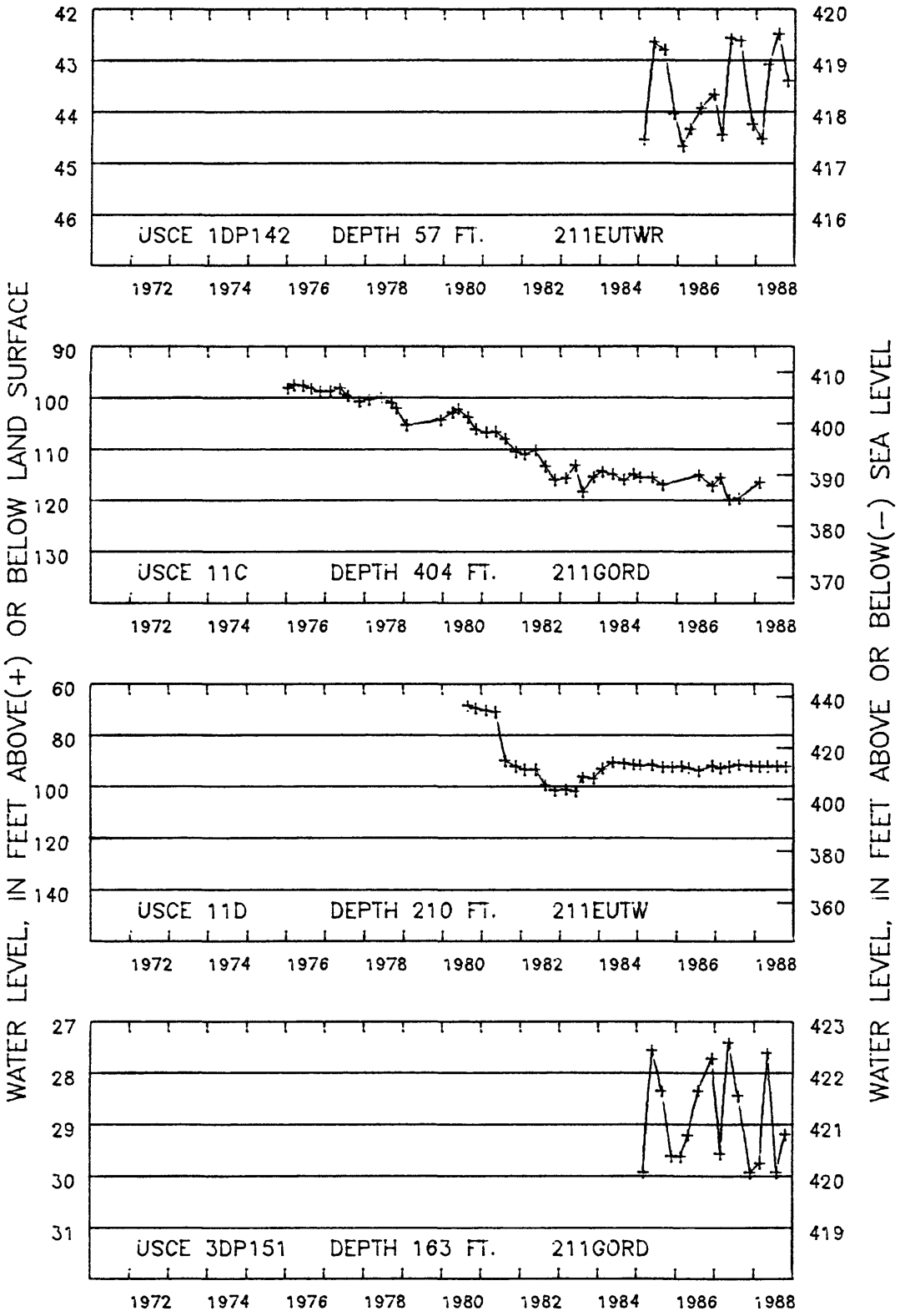

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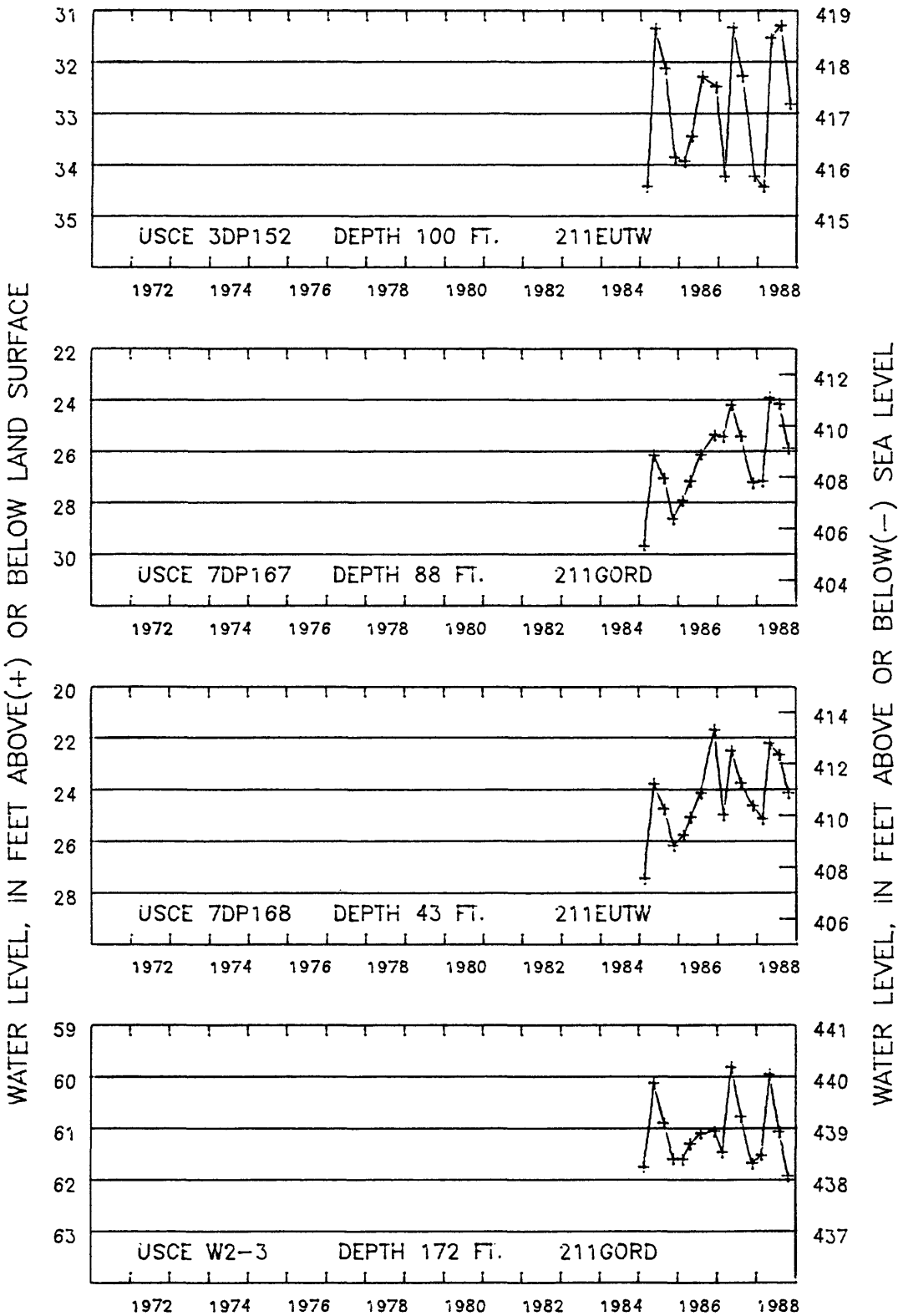

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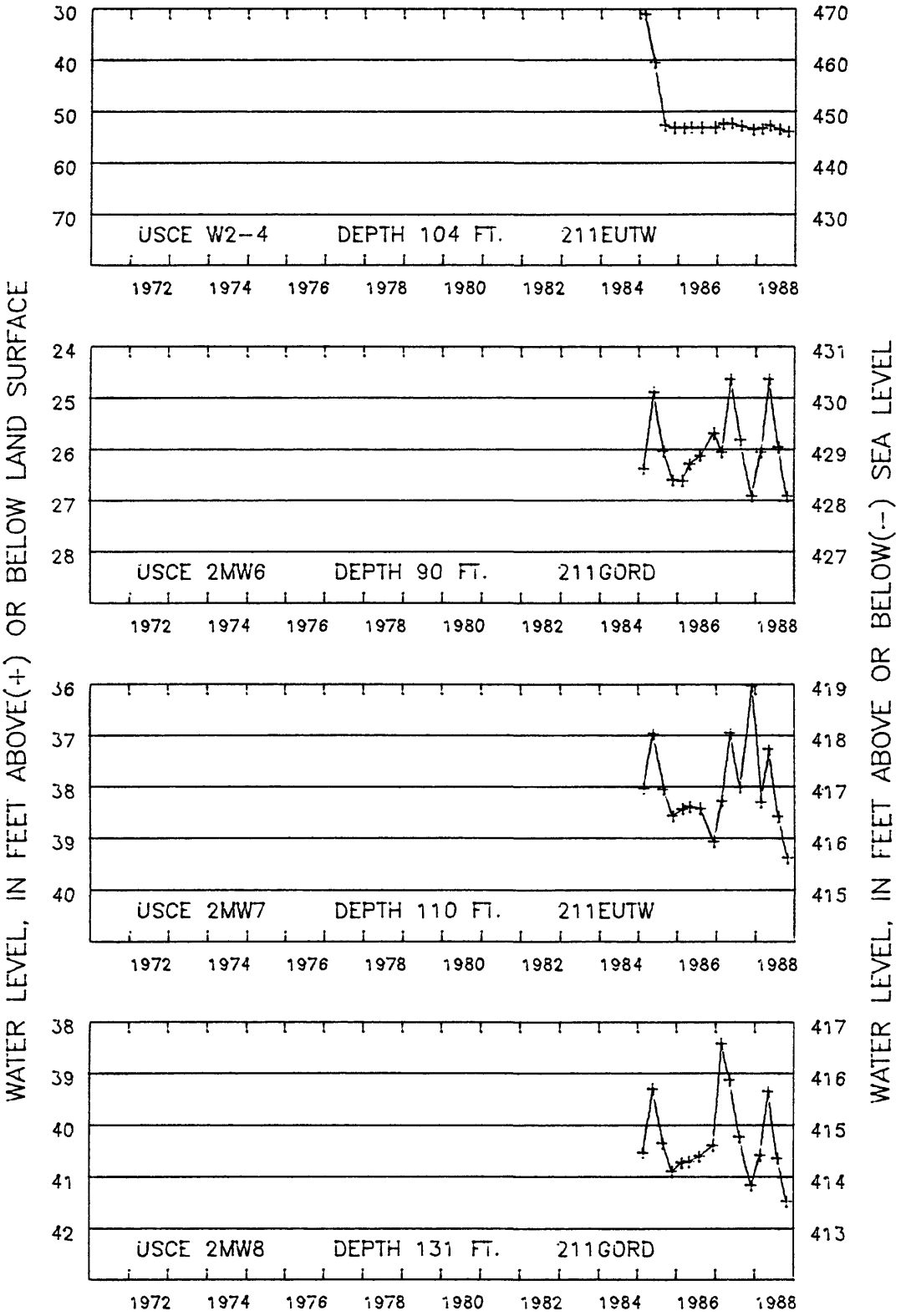

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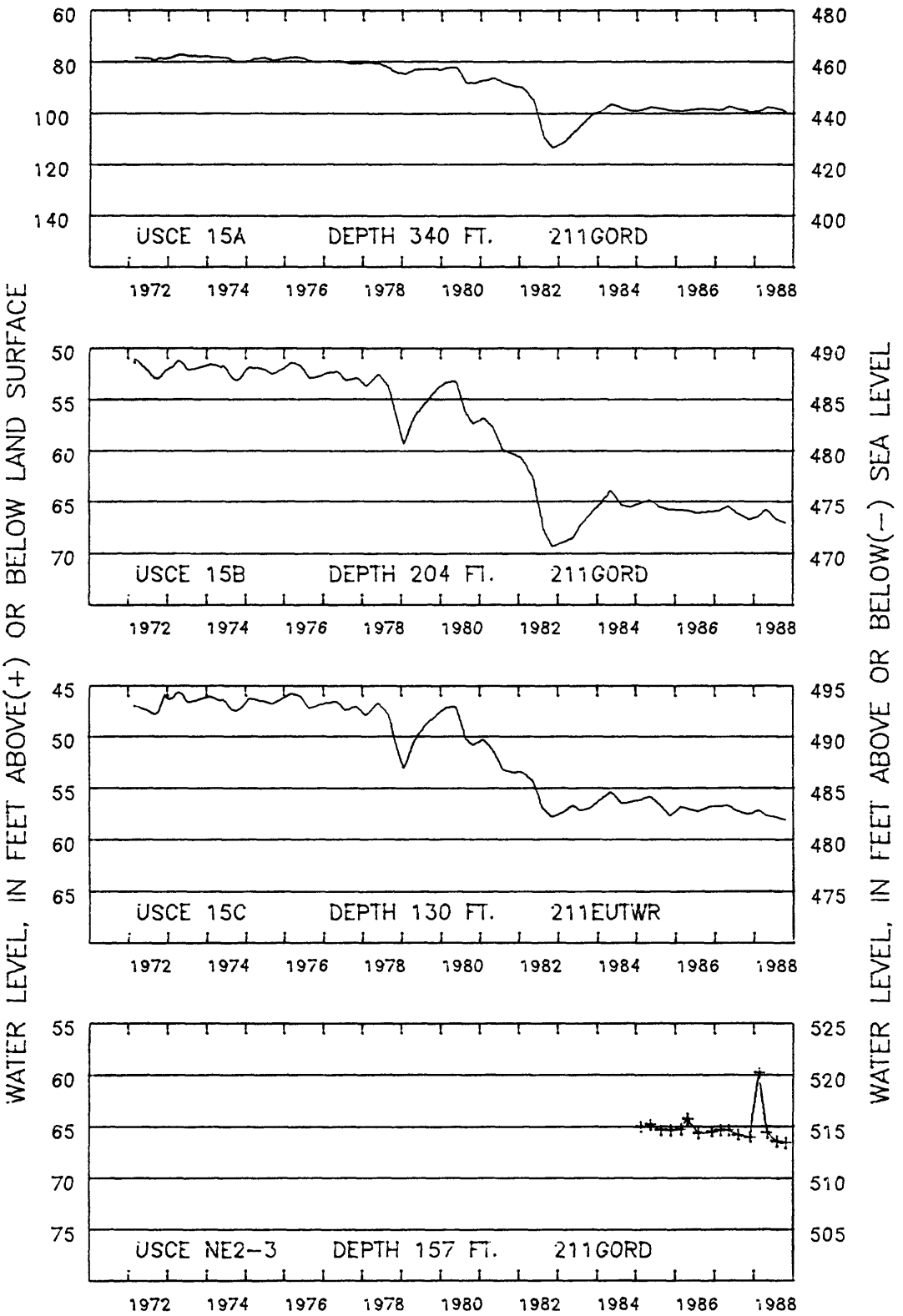

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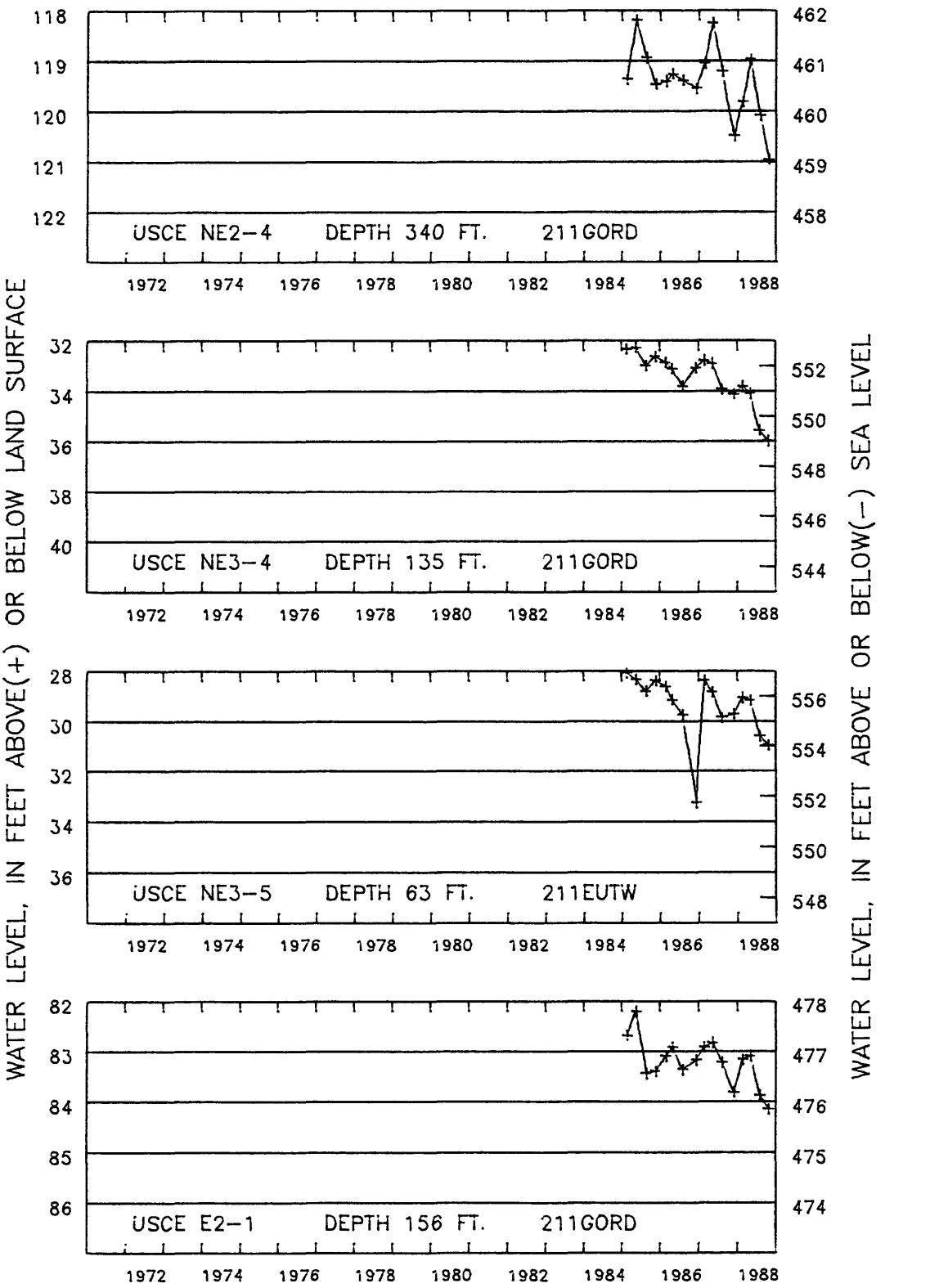

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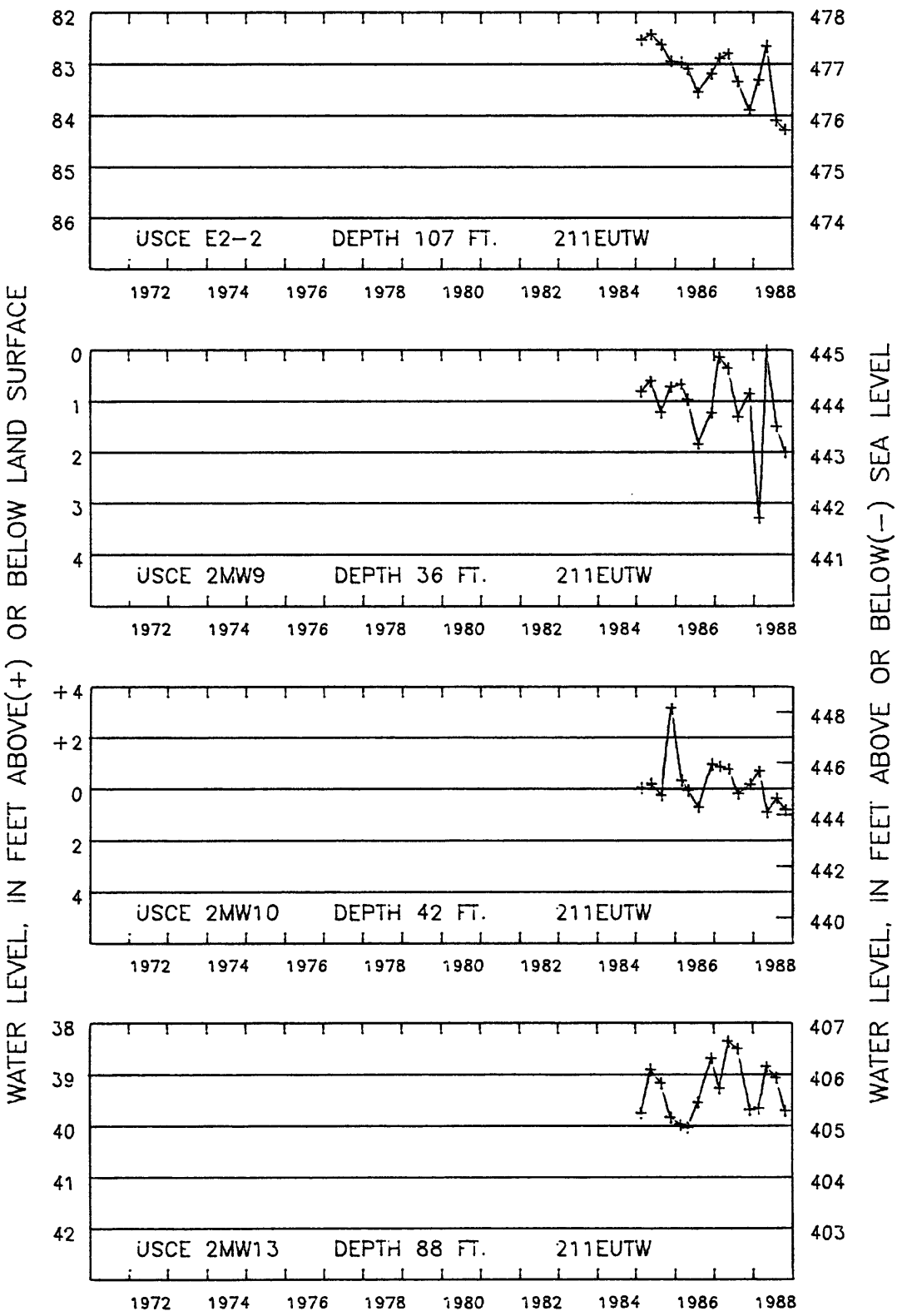

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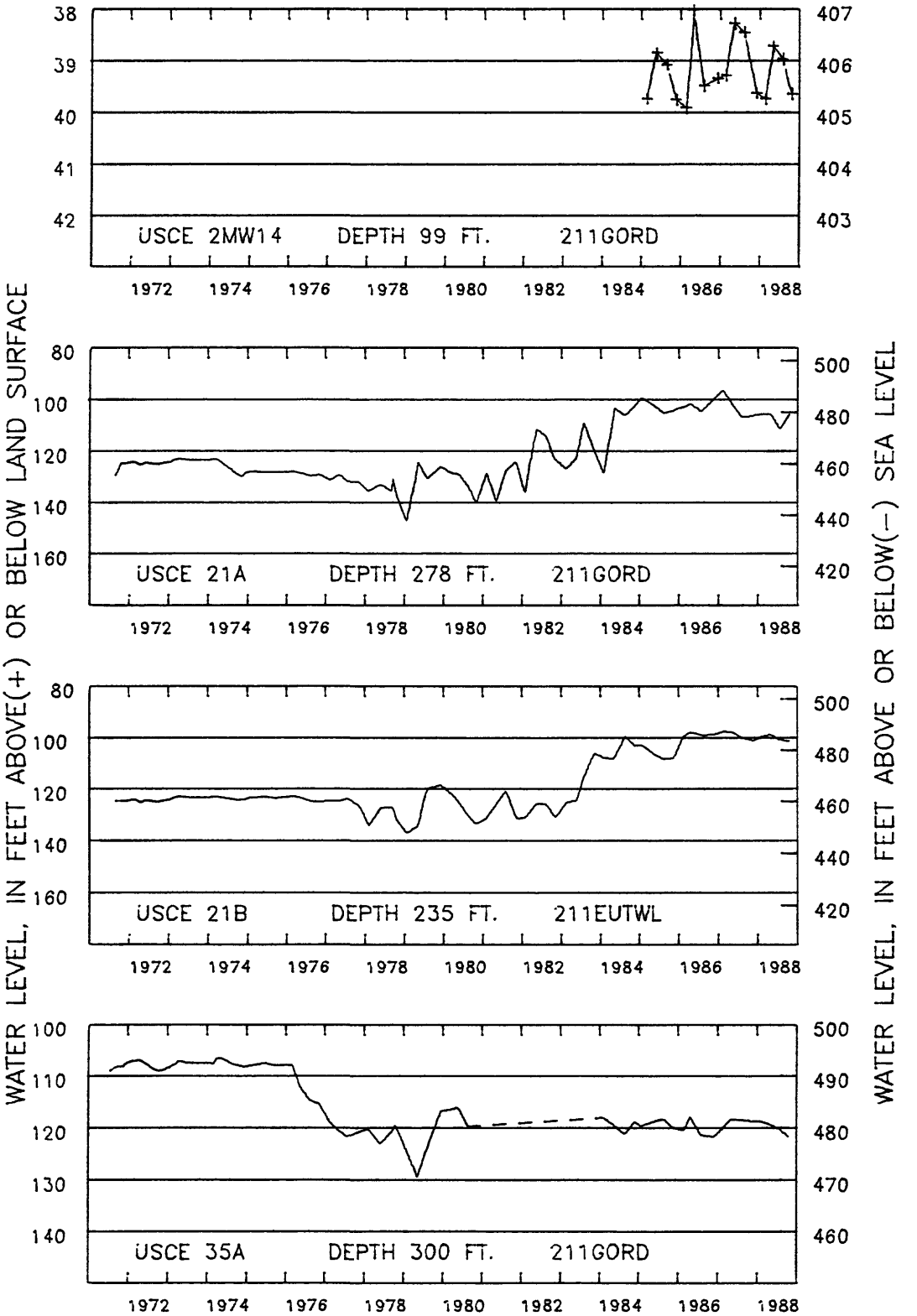

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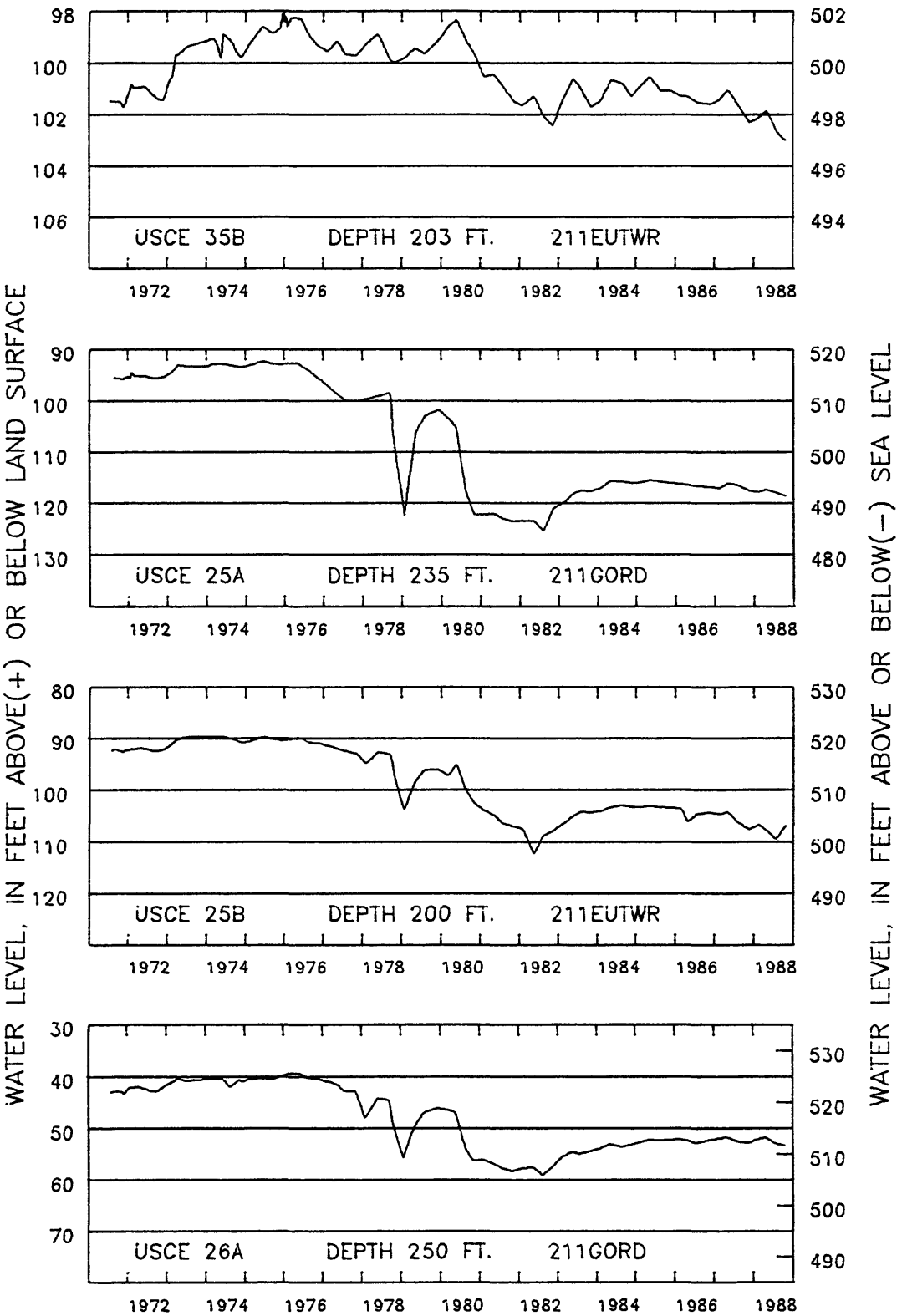

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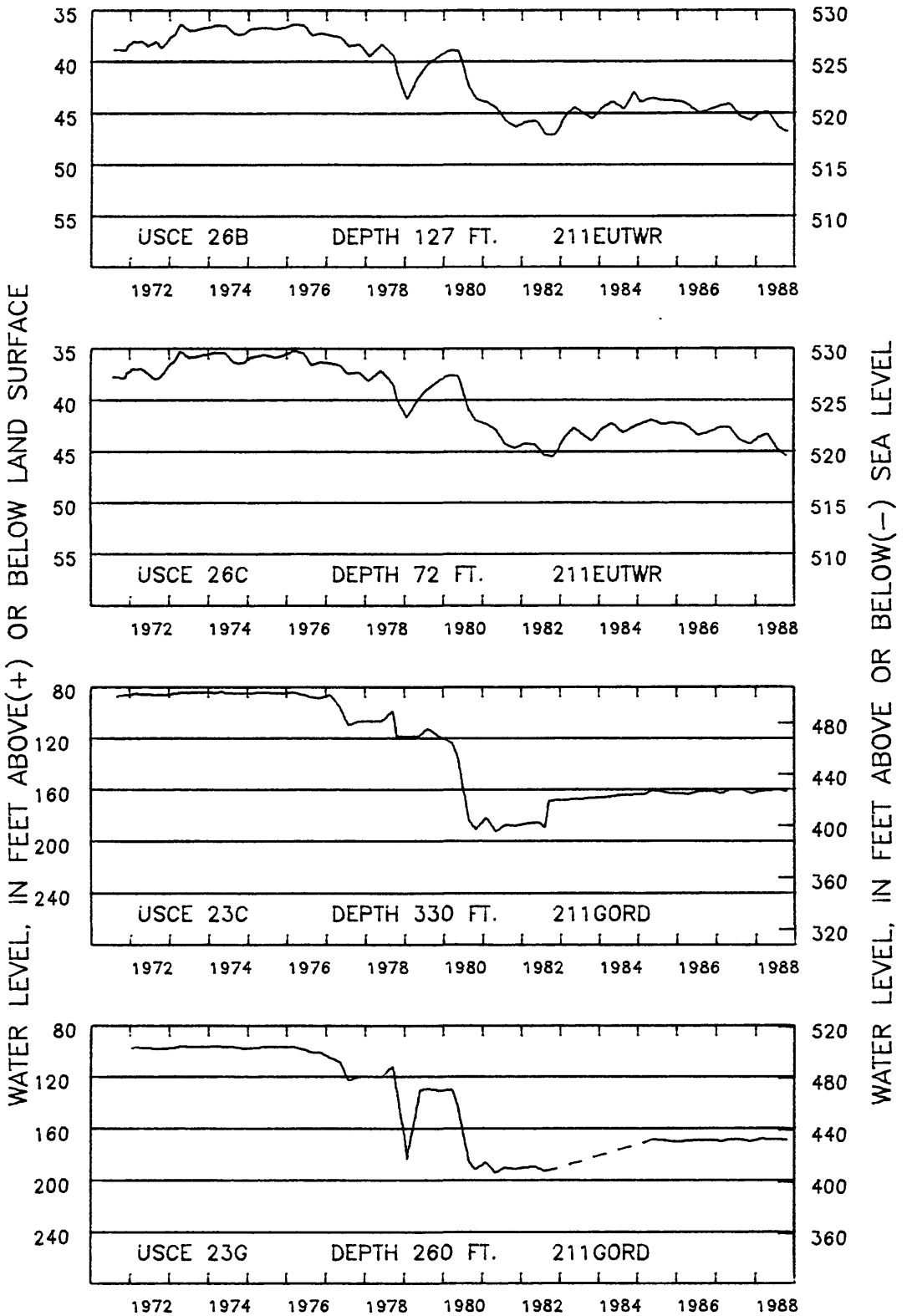

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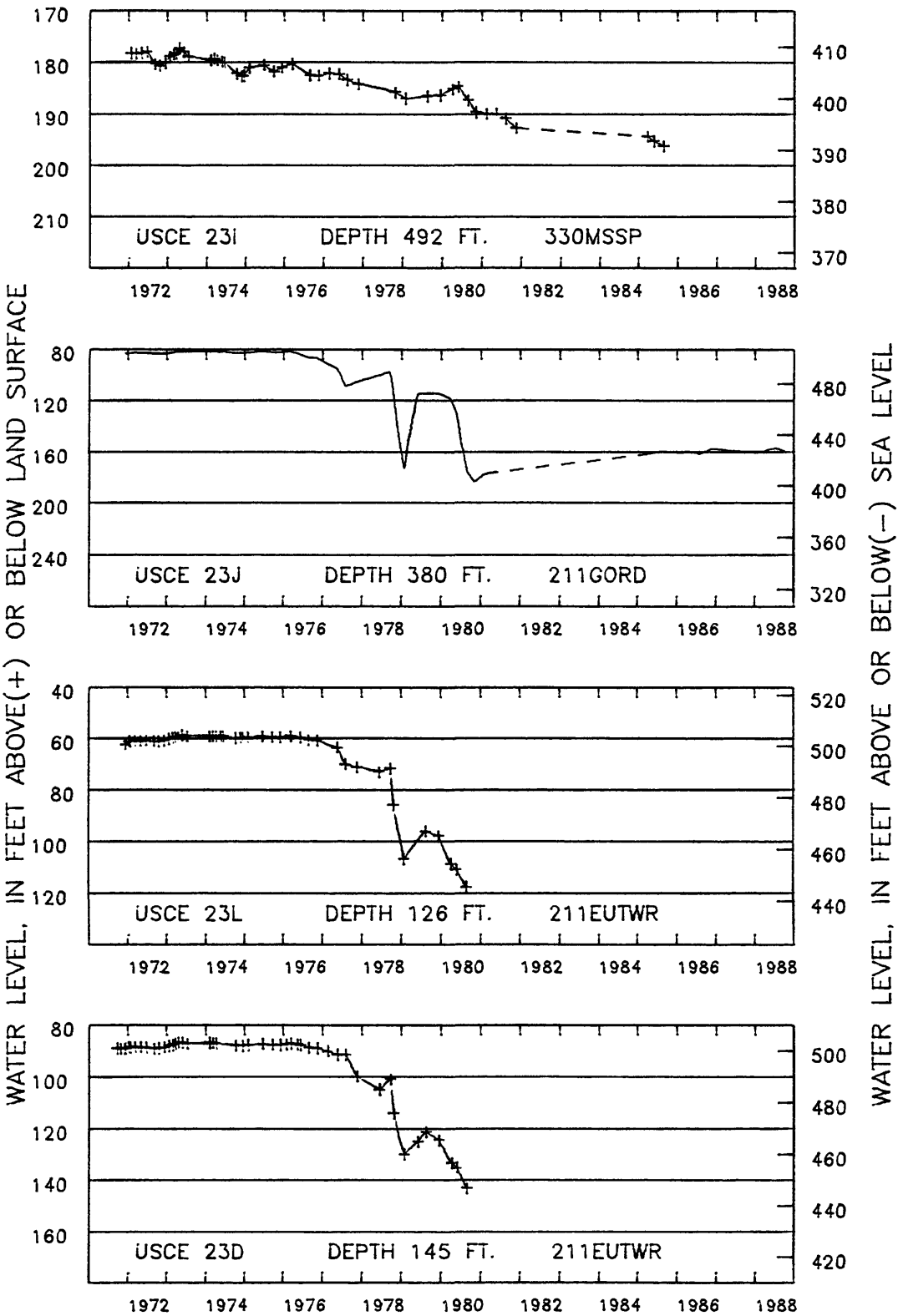

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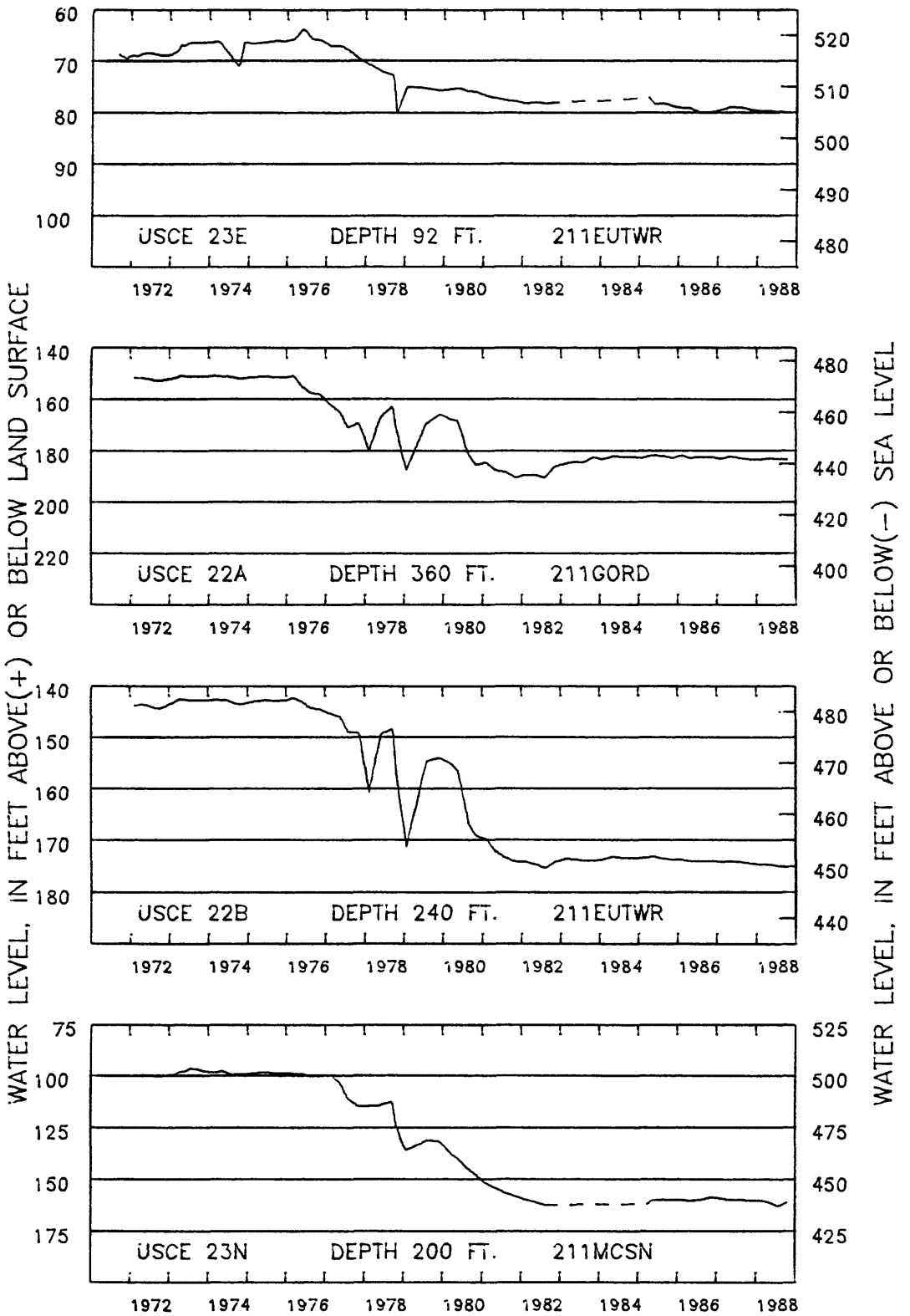

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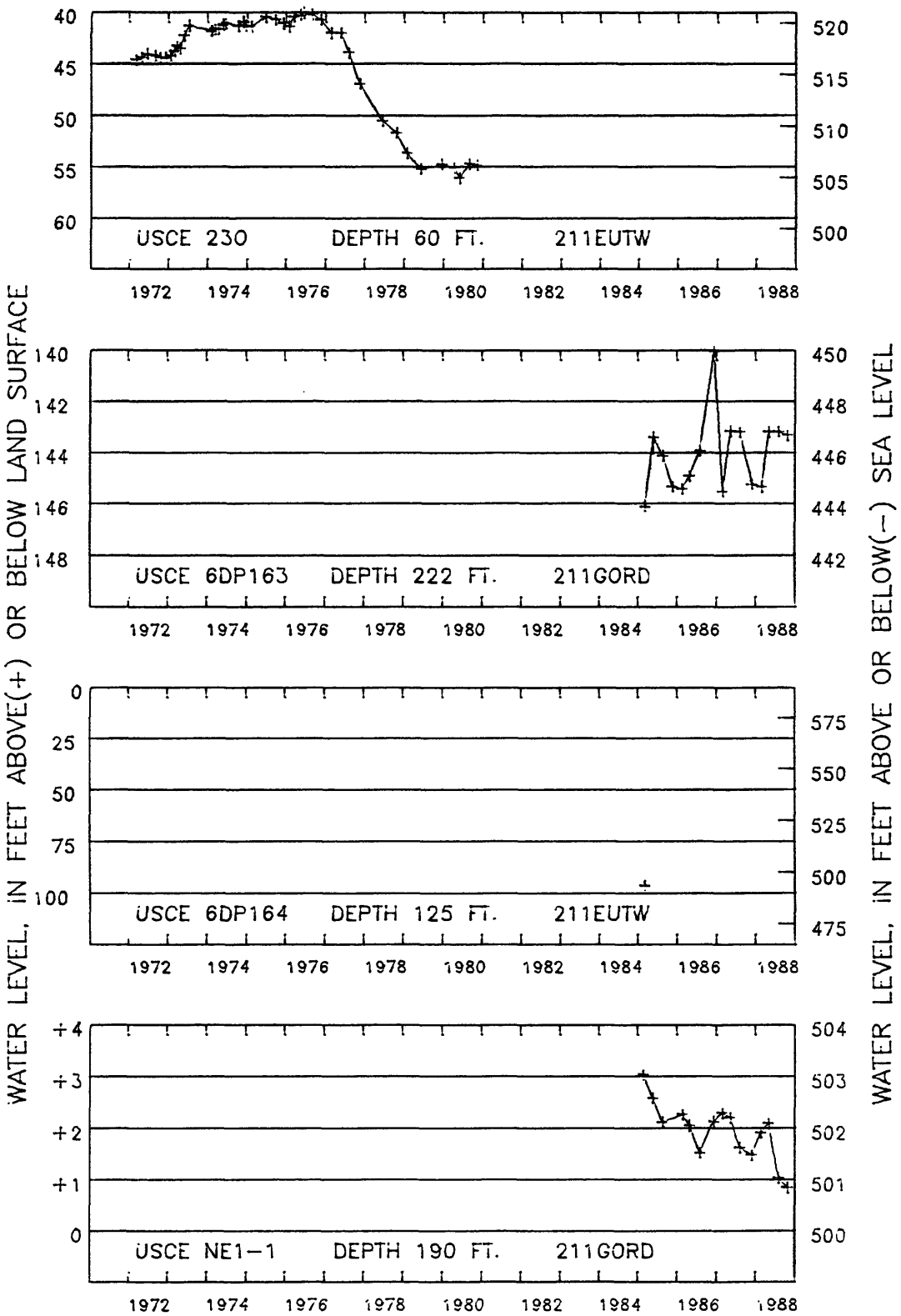

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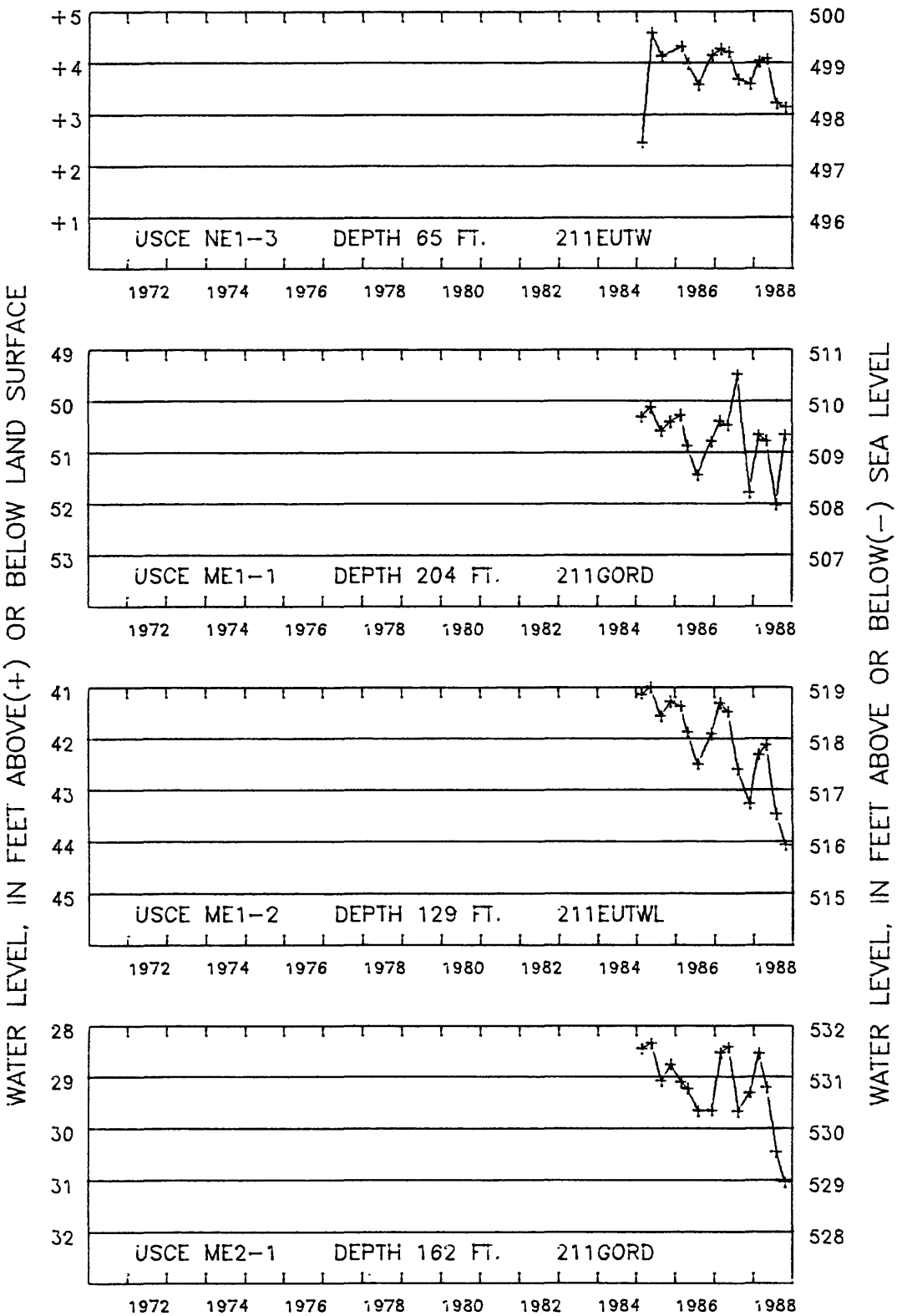

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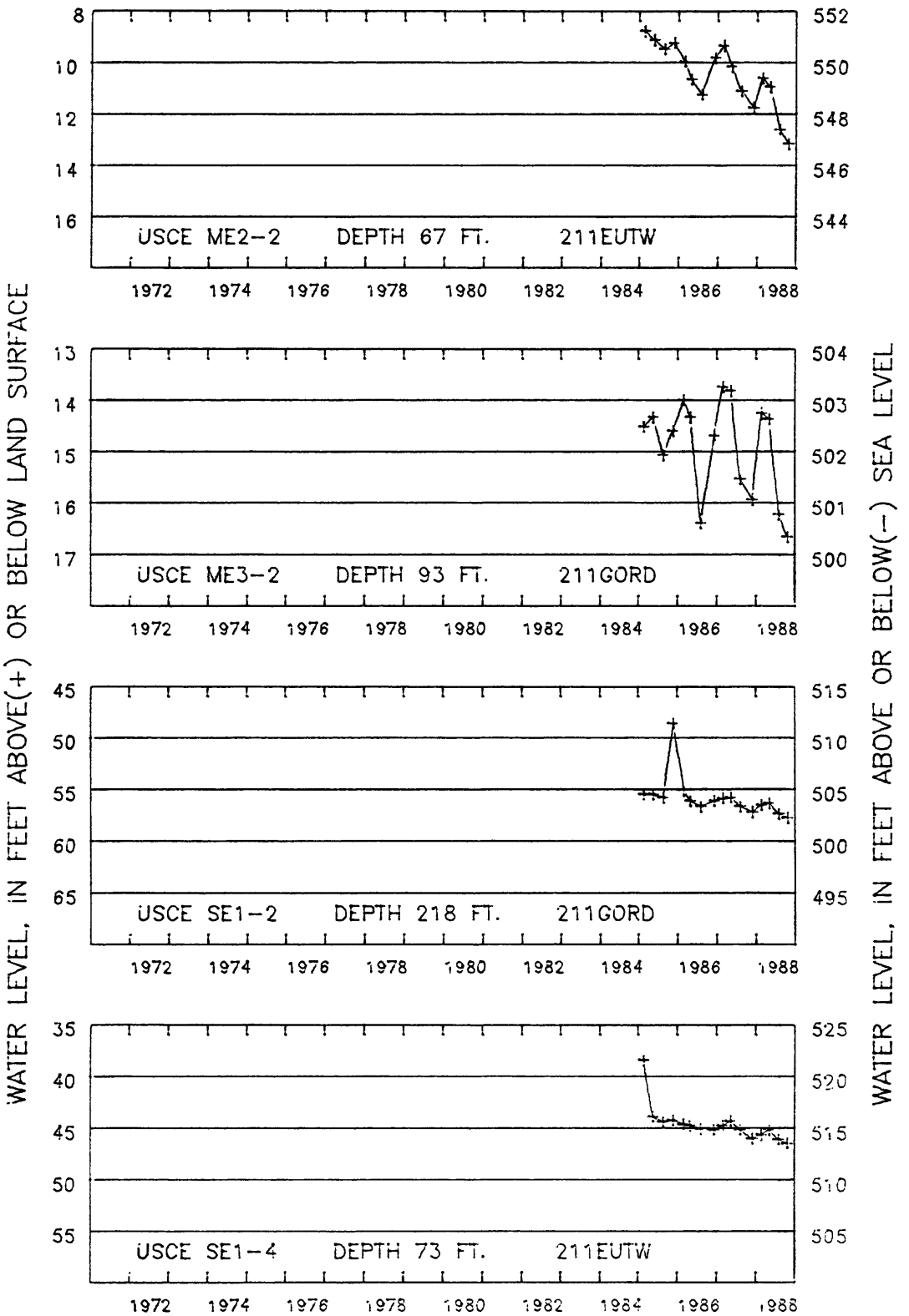

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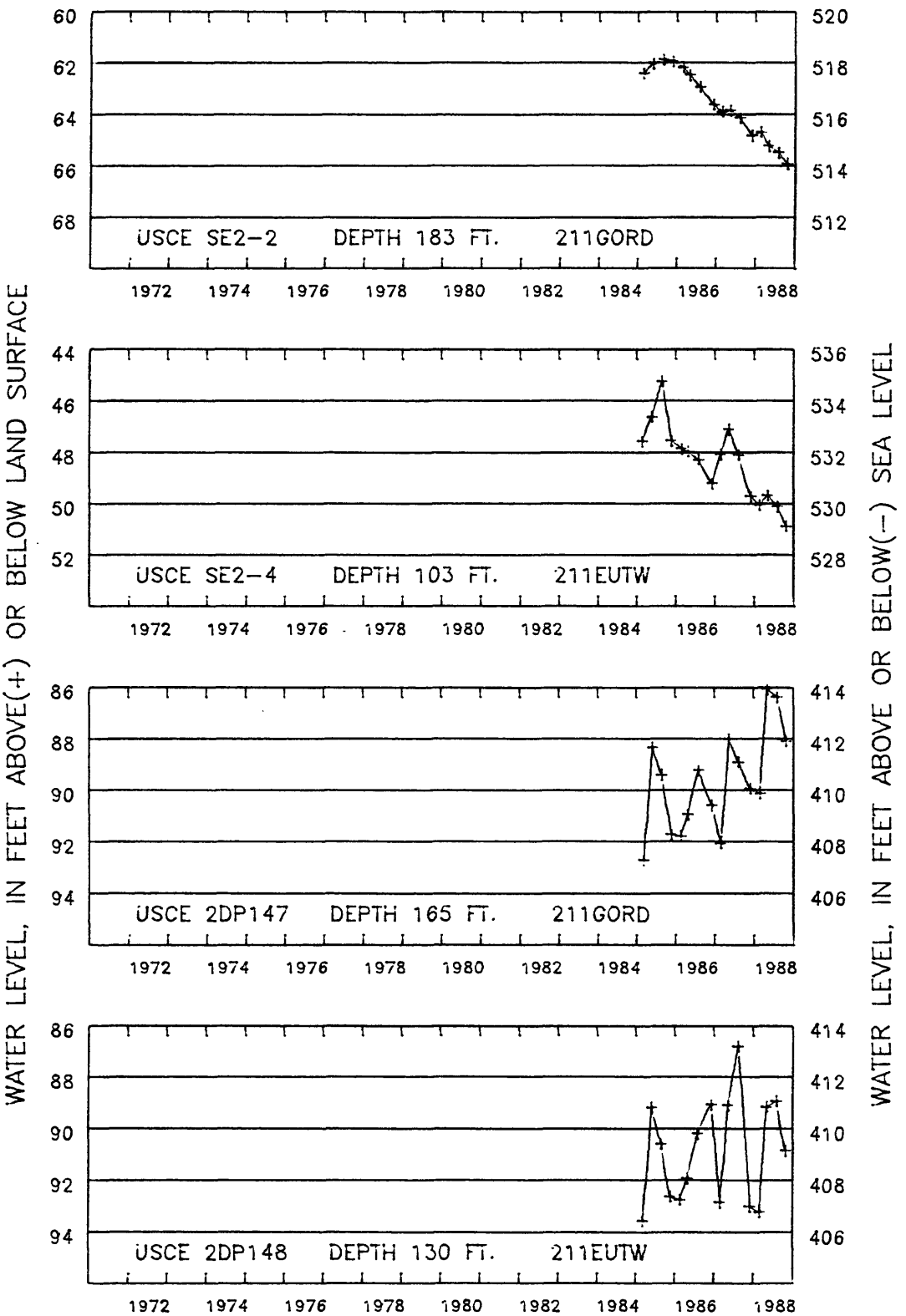

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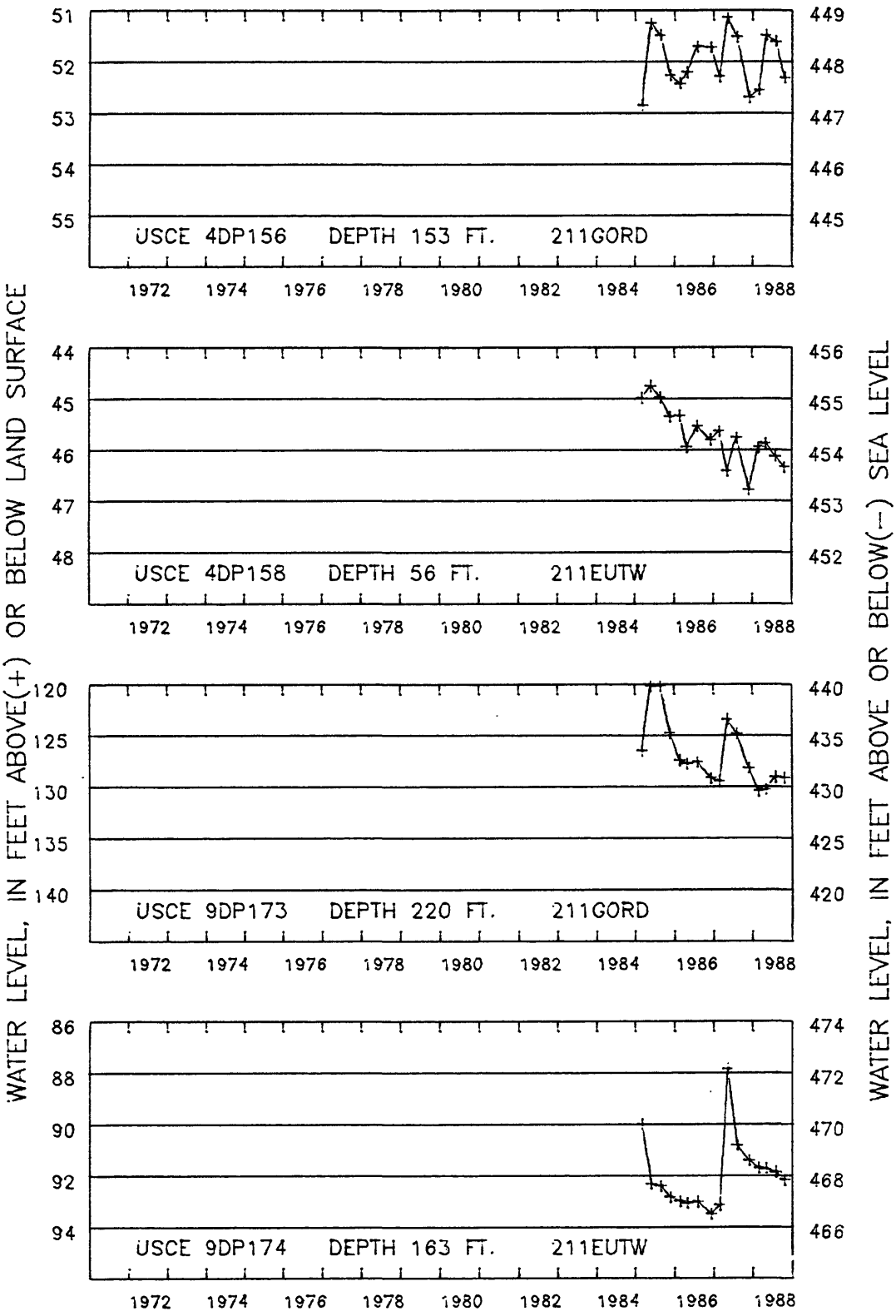

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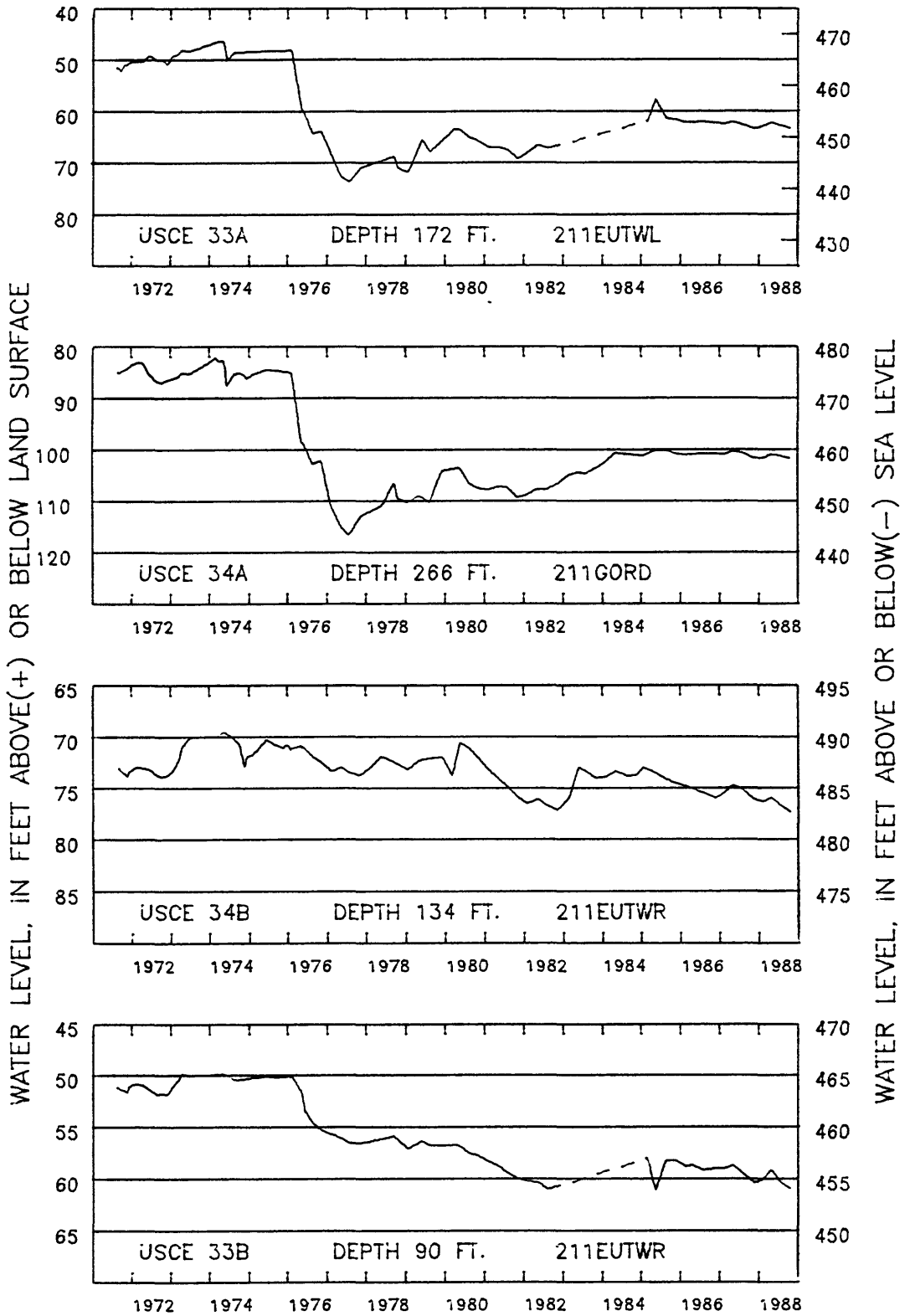

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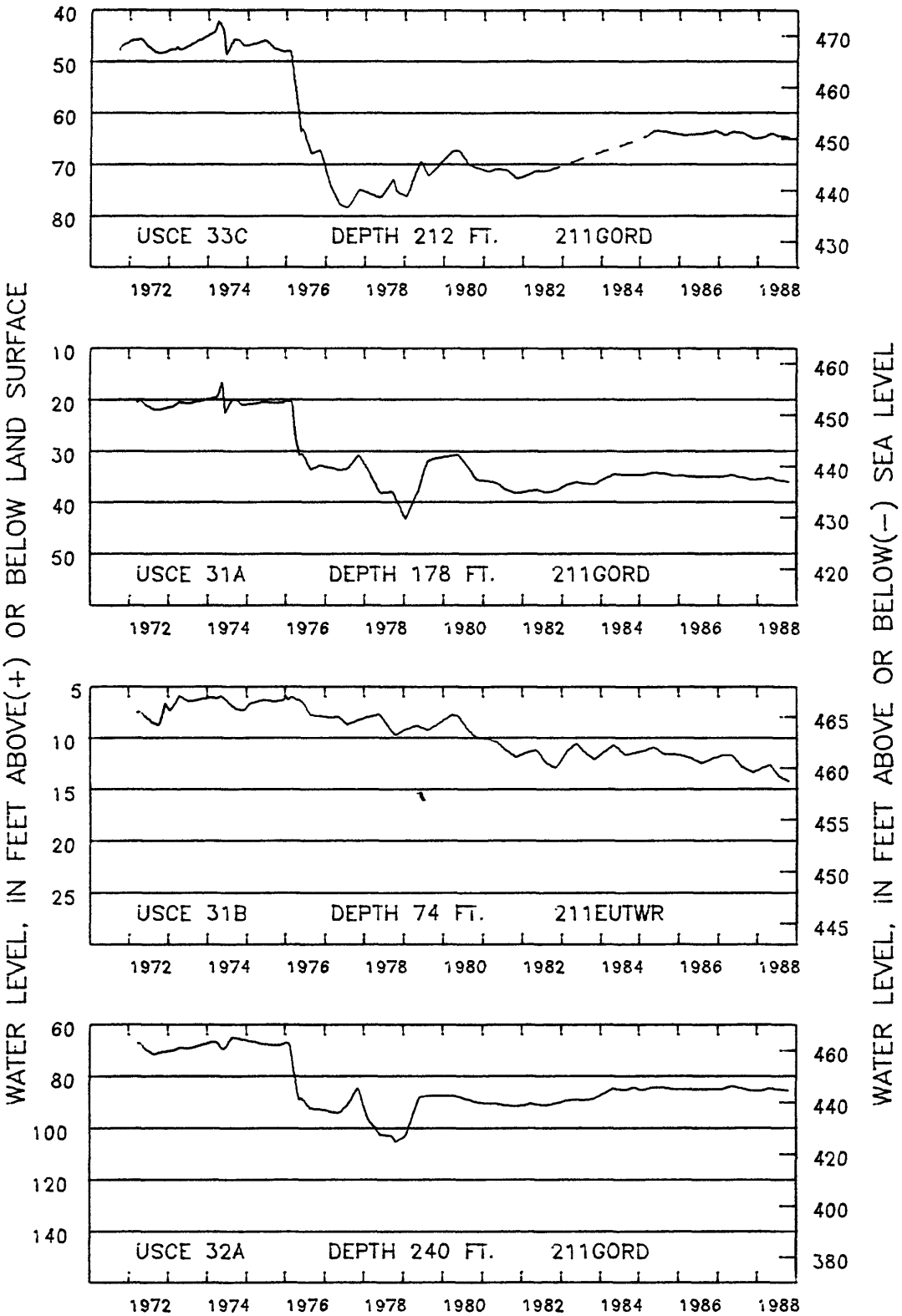

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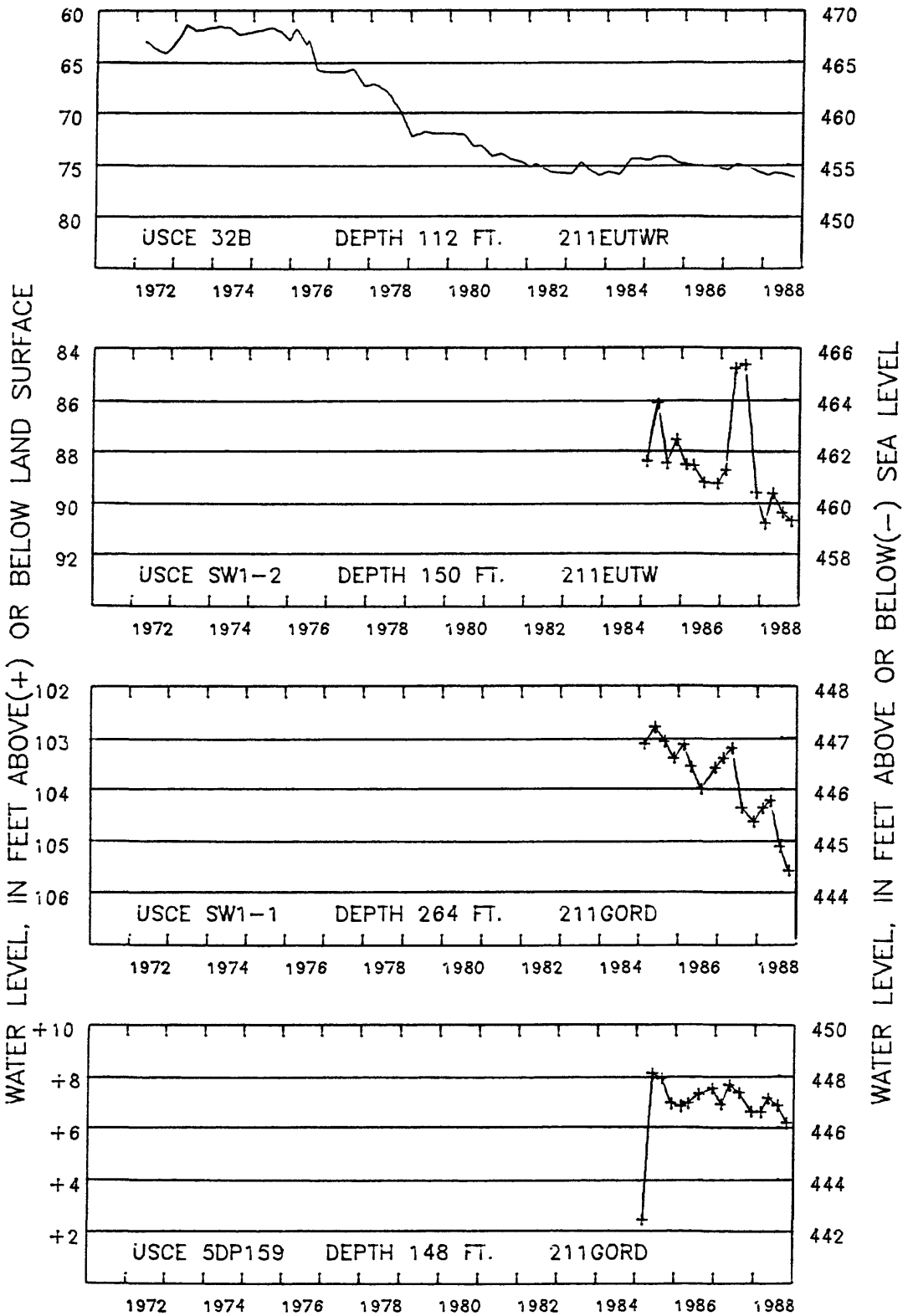

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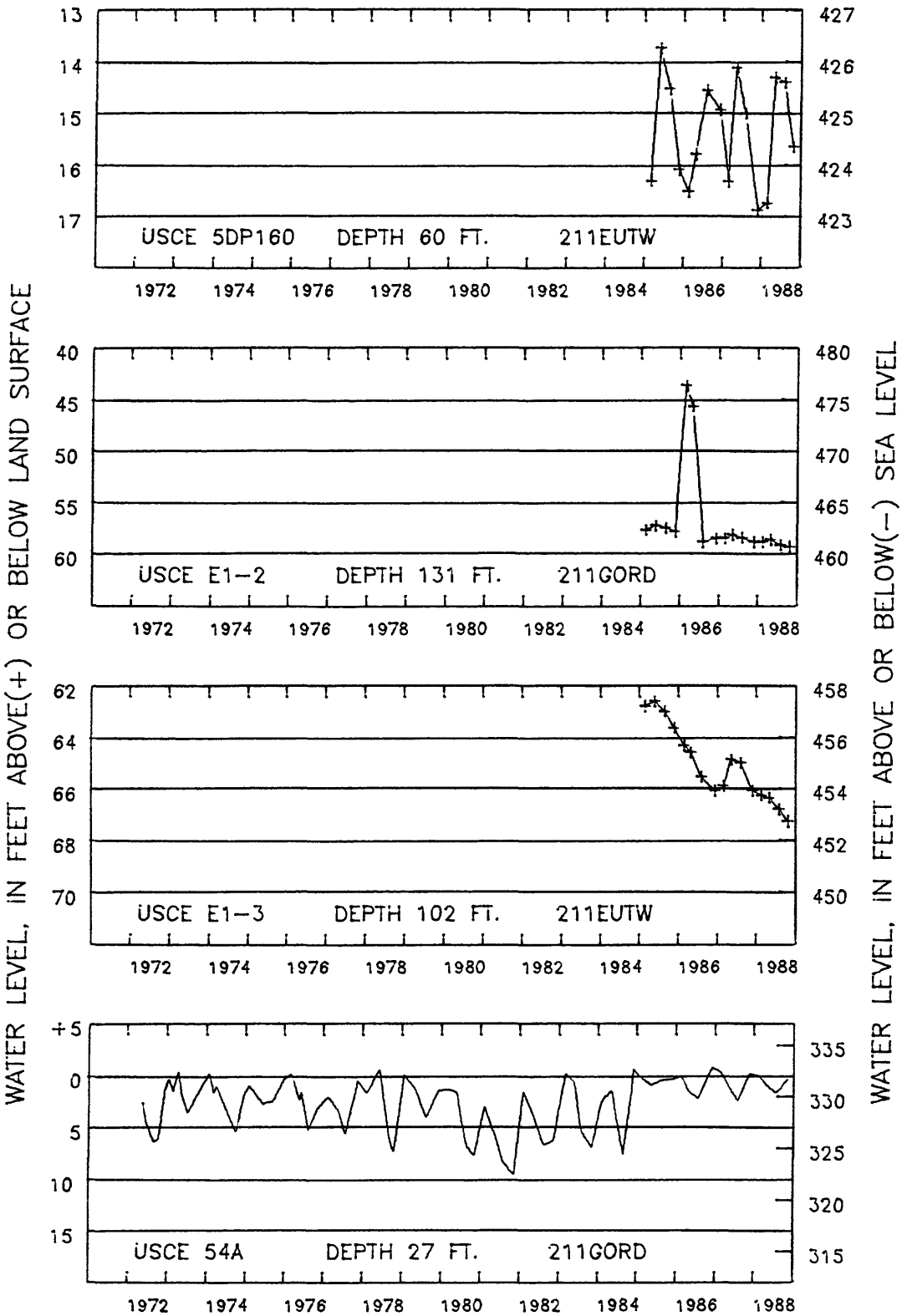

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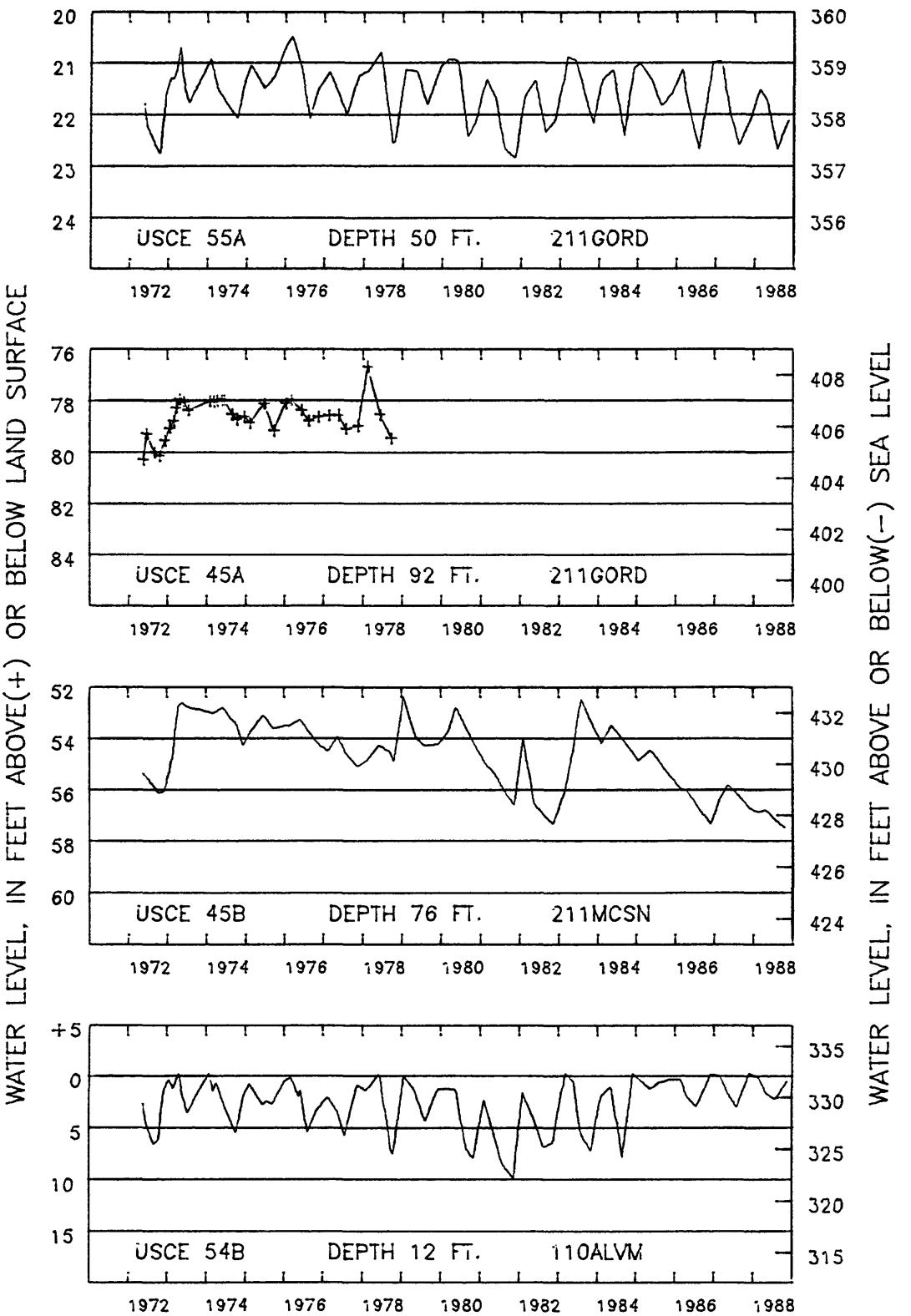

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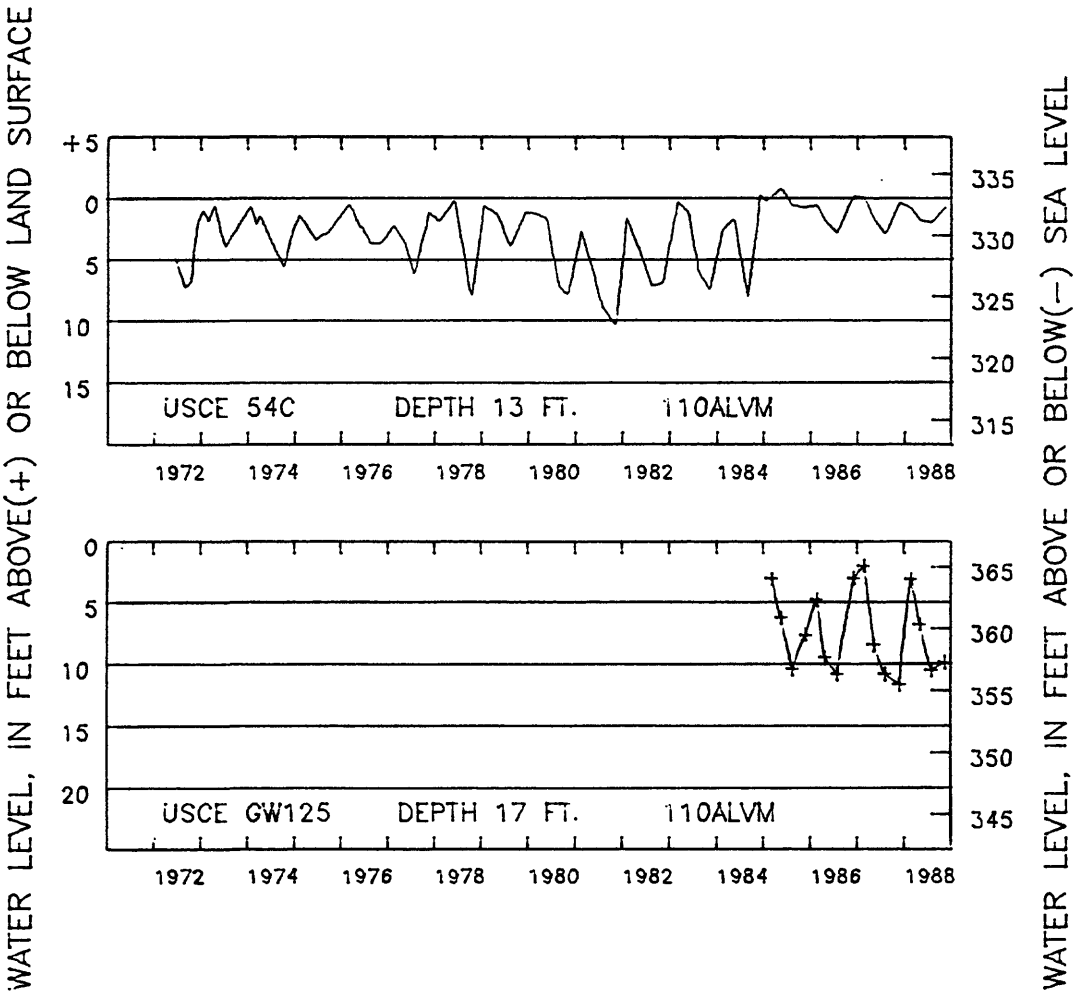

HYDROGRAPHS OF TENNESSEE–TOMBIGBEE OBSERVATION WELLS

APPENDIX B

SURFACE-WATER DATA

(PAGE 109 FOLLOWS)

APPENDIX B

SURFACE-WATER DATA

DESCRIPTIONS OF SITES

(PAGE 111 FOLLOWS)

DESCRIPTIONS OF SURFACE-WATER SITES

STATION NUMBER	STATION NAME	LATITUDE	LONGITUDE	SEQ. NO.	HYDRO-LOGIC UNIT CODE	DRAIN-AGE AREA (SQ. MI.)
	SURFACE-WATER NETWORK					
03592824	TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS	34 54 51	088 14 48	00	06030005	
343140088192235	TTW BAY SPRINGS LAKE NAVIGATION MILE 412.3	34 31 40	088 19 22	35	03160101	
02430005	TENN-TOM WATERWAY BELOW BAY SPRINGS LOCK AND DAM, MS	34 31 24	088 19 27	35	03160101	
342201088242935	TTW LOCK "D" POOL SEDIMENTATION RANGE 1AD	34 22 01	088 24 29	35	03160101	
340103088285435	TTW LOCK "A" POOL SEDIMENTATION RANGE 1AA	34 01 03	088 28 54	35	03160101	
02430100	MACKEYS CREEK NEAR MOORES MILL, MS	34 29 13	088 20 44	00	03160101	118
02436500	TOWN CREEK NEAR NETTLETON, MS	34 03 32	088 37 40	00	03160102	620
02437000	TOMBIGBEE RIVER NEAR AMORY, MS	33 59 07	088 33 03	00	03160101	1930
335008088311335	TTW ABERDEEN LAKE SEDIMENTATION RANGE 1A	33 50 08	088 31 13	35	03160101	
02437101	TOMBIGBEE RIVER BELOW ABERDEEN LOCK AND DAM, MS	33 49 29	088 31 16	35	03160101	2050
334219088281935	TTW COLUMBUS LAKE MCKINLEY CREEK BEND SR 50A	33 42 19	088 28 19	35	03160101	
333927088304935	TTW COLUMBUS LAKE BUTTAHATCHEE RIVER BEND SR 26A	33 39 27	088 30 49	35	03160101	
02439600	BUTTAHATCHEE RIVER NEAR KOLOLA SPRINGS, MS	33 40 24	088 25 45	00	03160103	855
02441000	TIBBEE CREEK NEAR TIBBEE, MS	33 32 17	088 38 00	00	03160104	926
333119088291435	TTW COLUMBUS LAKE SEDIMENTATION RANGE 1A	33 31 19	088 29 14	35	03160101	
02441391	TOMBIGBEE RIVER BELOW COLUMBUS LOCK AND DAM, MS	33 31 04	088 29 22	35	03160101	4440
02441498	TOMBIGBEE RIVER COLUMBUS BEND SR 11B AT COLUMBUS, MS	33 26 06	088 29 38	35	03160101	
02443500	LUXAPALLILA CREEK NEAR COLUMBUS, MS	33 30 50	088 23 42	00	03160105	715
02443610	TOMBIGBEE RIVER PRATT CAMP SR 5HB BELOW COLUMBUS, MS	33 20 30	088 23 40	00	03160106	
02444158	TOMBIGBEE RIVER ABOVE BEVILL LOCK AND DAM, AL	33 13 08	088 17 10		03160106	
02444161	TOMBIGBEE RIVER BELOW BEVILL LOCK AND DAM, AL	33 12 37	088 17 19		03160106	5750
02444210	TOMBIGBEE RIVER BIG CREEK BEND NEAR PICKENSVILLE, AL	33 11 11	088 16 03		03160106	
02447010	TOMBIGBEE RIVER COOKS BEND NEAR WARSAW, AL	32 57 38	088 11 14		03160106	
02447020	TOMBIGBEE RIVER ABOVE GAINESVILLE LOCK AND DAM, AL	32 51 38	088 09 25		03160106	
02449000	TOMBIGBEE RIVER AT GAINESVILLE, AL	32 49 30	088 09 24	00	03160106	8630
02466998	TOMBIGBEE RIVER ABOVE DEMOPOLIS LOCK AND DAM, AL	32 30 55	087 51 27		03160201	
	SITES NOT IN THE SURFACE-WATER NETWORK					
02448000	NOXUBEE RIVER AT MACON, MS	33 06 08	088 33 40	00	03160108	768
02469762	TOMBIGBEE RIVER BELOW COFFEEVILLE LOCK AND DAM, AL	31 45 30	088 07 35		03160203	18400

PAGE (113 FOLLOWS)

APPENDIX B

SURFACE-WATER DATA

WATER-QUALITY FIELD DETERMINATIONS AND ANALYSES

 (PAGE 115 FOLLOWS)

SURFACE-WATER SITES

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS

DATE	TIME	SAMPLING DEPTH (FEET)	GAGE HEIGHT (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TRANSPARENCY (SECCHI DISK) (IN)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
APR									
11...	1000	--	13.76	--	--	--	45.8	--	--
11...	1001	1.00	--	148	7.70	17.5	--	10.1	109
11...	1002	5.00	--	148	7.70	17.5	--	10.1	109
11...	1003	10.0	--	148	7.70	17.5	--	10.0	108
11...	1004	15.0	--	148	7.70	17.5	--	10.0	108
11...	1005	19.0	--	147	7.70	17.5	--	9.9	107
JUN									
27...	1000	--	13.26	--	--	--	66.0	--	--
27...	1001	1.00	--	177	8.10	29.5	--	7.4	99
27...	1002	5.00	--	177	8.20	29.5	--	7.4	99
27...	1003	10.0	--	177	8.20	29.5	--	7.4	99
27...	1004	15.0	--	178	8.20	29.5	--	7.4	99
27...	1005	16.0	--	178	8.20	29.5	--	7.4	99

343140088192235 TTW BAY SPRINGS LAKE NAVIGATION MILE 412.3

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TRANSPARENCY (SECCHI DISK) (IN)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
APR								
11...	1230	--	--	--	--	120	--	--
11...	1231	1.00	114	7.80	17.0	--	11.7	125
11...	1232	5.00	114	7.80	17.0	--	11.7	125
11...	1233	10.0	114	7.80	17.0	--	11.2	119
11...	1234	15.0	112	7.80	17.0	--	11.2	119
11...	1235	20.0	112	7.80	17.0	--	11.1	118
11...	1236	25.0	112	7.80	17.0	--	11.0	117
11...	1237	30.0	115	7.70	17.0	--	10.7	114
11...	1238	35.0	116	7.70	16.0	--	10.6	111
11...	1239	40.0	122	7.70	15.0	--	10.3	105
11...	1240	45.0	119	7.80	13.0	--	10.4	102
11...	1241	50.0	120	7.80	12.0	--	10.2	97
11...	1242	55.0	119	7.80	11.5	--	10.1	95
11...	1243	60.0	119	7.90	11.0	--	10.0	93
11...	1244	65.0	118	7.90	11.0	--	9.9	92
11...	1245	70.0	118	7.80	11.0	--	9.5	89
11...	1246	75.0	118	7.70	11.0	--	8.9	83
11...	1247	80.0	117	7.60	11.0	--	8.9	83
11...	1248	85.0	120	7.70	11.0	--	8.7	81
JUN								
27...	1300	--	--	--	--	156	--	--
27...	1301	1.00	140	6.10	30.5	--	7.6	104
27...	1302	5.00	140	6.10	30.0	--	7.5	101
27...	1303	10.0	140	6.00	30.0	--	7.5	101
27...	1304	15.0	140	5.70	29.5	--	7.3	98
27...	1305	20.0	141	5.80	29.5	--	7.5	100
27...	1306	25.0	137	5.20	27.0	--	5.7	73
27...	1307	30.0	138	5.00	23.0	--	2.7	32
27...	1308	35.0	138	5.00	20.0	--	0.8	9
27...	1309	40.0	140	5.10	16.5	--	0.2	2
27...	1310	45.0	141	5.00	15.5	--	0.2	2
27...	1311	50.0	132	5.20	14.5	--	0.2	2
27...	1312	55.0	136	5.80	13.5	--	0.2	2
27...	1313	60.0	143	6.90	12.5	--	0.2	2
27...	1314	65.0	148	6.90	12.5	--	0.2	2
27...	1315	70.0	152	7.00	12.0	--	0.2	2

02430005 TENN-TOM WATERWAY BELOW BAY SPRINGS LOCK AND DAM, MS

DATE	TIME	SAMPLING DEPTH (FEET)	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TRANSPARENCY (SECCHI DISK) (IN)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
APR									
11...	1500	--	0.0	--	--	--	96.0	--	--
11...	1501	1.00	--	115	7.90	16.5	--	11.9	125
11...	1502	5.00	--	114	7.90	16.5	--	11.9	125
11...	1503	10.0	--	115	7.90	16.5	--	12.0	126
11...	1504	15.0	--	115	7.90	16.5	--	11.9	125
JUN									
27...	1700	--	0.0	--	--	--	96.0	--	--
27...	1701	1.00	--	130	7.30	29.0	--	7.1	94
27...	1702	5.00	--	130	7.30	29.0	--	6.9	91
27...	1703	10.0	--	130	7.20	29.0	--	7.1	94
27...	1704	12.0	--	130	7.20	29.0	--	7.1	94

342201088242935 TTW LOCK "D" POOL SEDIMENTATION RANGE 1AD

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TRANSPARENCY (SECCHI DISK) (IN)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
APR								
11...	1615	--	--	--	--	108	--	--
11...	1616	1.00	90	7.80	17.5	--	12.4	133
11...	1617	5.00	89	7.80	17.5	--	12.0	129
11...	1618	10.0	88	7.80	17.5	--	11.8	127
11...	1619	15.0	88	7.80	17.5	--	11.7	126
JUN								
27...	1830	--	--	--	--	84.0	--	--
27...	1831	1.00	118	7.10	30.5	--	6.8	93
27...	1832	5.00	118	7.10	31.0	--	6.7	92
27...	1833	10.0	115	7.00	30.5	--	6.4	87
27...	1834	15.0	112	6.90	30.5	--	6.0	82

340103088285435 TTW LOCK "A" POOL SEDIMENTATION RANGE 1AA

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TRANSPARENCY (SECCHI DISK) (IN)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
APR								
12...	1000	--	--	--	--	20.0	--	--
12...	1001	1.00	40	7.70	17.5	--	10.4	111
12...	1002	5.00	40	7.60	17.5	--	10.3	110
12...	1003	10.0	40	7.60	17.5	--	10.2	109
12...	1004	13.0	39	7.50	17.5	--	10.1	108
JUN								
28...	1100	--	--	--	--	30.0	--	--
28...	1101	1.00	82	6.60	30.0	--	7.3	98
28...	1102	5.00	82	6.70	30.0	--	7.1	95
28...	1103	10.0	82	6.80	29.5	--	7.0	93
28...	1104	13.0	82	6.80	29.5	--	7.0	93

02430100 MACKEYS CREEK NEAR MOORES MILL, MS

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
APR							
11...	1400	81	112	7.90	15.5	12.3	127
JUN							
27...	1500	62	121	6.00	29.0	7.1	94

02436500 TOWN CREEK NEAR NETTLETON, MS

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
APR							
12...	0830	1260	302	8.00	12.5	11.6	111
JUN							
28...	0900	14	718	9.00	24.5	9.3	113

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT					
01...	1210	17	16	0.73	--
NOV					
18...	1100	136	77	28	--
DEC					
28...	1130	5140	490	6800	--
JAN					
28...	1425	250	44	30	--
MAR					
17...	1405	267	36	26	--
APR					
21...	1405	430	59	68	--
JUN					
08...	1100	21	23	1.3	--
JUL					
19...	1000	26	43	3.0	82
SEP					
02...	0945	9.3	54	1.4	--
16...	1450	45	191	23	--

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM
JUL							
19...	1002	25.0	0	4	35	89	100
19...	1004	50.0	0	2	31	83	100
19...	1006	75.0	0	1	16	85	99

02437000 TOMBIGBEE RIVER NEAR AMORY, MS

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
APR							
12...	1200	2170	106	7.40	15.5	11.6	118
JUN							
28...	1300	497	134	7.40	29.5	7.1	94

335008088311335 TTW ABERDEEN LAKE SEDIMENTATION RANGE 1A

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TRANSPARENCY (SECCHI DISK) (IN)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
APR								
12...	1400	--	--	--	--	24.0	--	--
12...	1401	1.00	115	8.20	19.0	--	10.8	119
12...	1402	5.00	116	8.40	18.5	--	10.3	112
12...	1403	10.0	115	8.40	18.0	--	9.9	106
12...	1404	15.0	115	8.40	18.0	--	9.7	104
12...	1405	20.0	115	8.30	18.0	--	9.4	101
12...	1406	25.0	115	8.20	18.0	--	9.3	100
JUN								
28...	1500	--	--	--	--	36.0	--	--
28...	1501	1.00	137	8.10	33.0	--	8.2	116
28...	1502	5.00	137	8.00	32.5	--	8.0	112
28...	1503	10.0	138	7.60	30.5	--	5.8	78
28...	1504	15.0	138	7.30	30.0	--	5.4	72
28...	1505	20.0	138	7.20	30.0	--	4.9	66
28...	1506	22.0	138	7.10	30.0	--	4.9	66

02437101 TOMBIGBEE RIVER BELOW ABERDEEN LOCK AND DAM, MS

DATE	TIME	SAMPLING DEPTH (FEET)	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TRANSPARENCY (SECCHI DISK) (IN)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
APR									
12...	1500	--	2650	--	--	--	22.0	--	--
12...	1501	1.00	--	119	7.90	18.0	--	11.5	124
12...	1502	5.00	--	119	7.90	18.0	--	11.3	122
12...	1503	10.0	--	118	7.90	18.0	--	11.2	120
12...	1504	12.0	--	118	7.90	18.0	--	11.1	119
JUN									
28...	1700	--	106	--	--	--	33.0	--	--
28...	1701	1.00	--	136	7.60	31.5	--	7.2	99
28...	1702	5.00	--	136	7.50	31.0	--	6.4	87
28...	1703	10.0	--	136	7.40	31.0	--	6.3	86
28...	1704	15.0	--	136	7.40	31.0	--	6.6	90
28...	1705	16.0	--	136	7.40	31.0	--	6.6	90

334219088281935 TTW COLUMBUS LAKE MCKINLEY CREEK BEND SR 50A

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TRANSPARENCY (SECCHI DISK) (IN)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
APR								
13...	1530	--	--	--	--	--	--	--
13...	1531	1.00	205	7.20	20.5	--	11.0	124
13...	1532	5.00	263	7.30	18.5	--	10.4	112
13...	1533	10.0	465	7.20	17.0	--	9.6	101
13...	1534	15.0	495	7.20	16.5	--	9.3	96
JUN								
29...	1530	--	--	--	--	50.4	--	--
29...	1531	1.00	705	7.40	34.0	--	7.8	112
29...	1532	5.00	1110	7.50	33.0	--	8.4	119
29...	1533	10.0	972	7.40	31.5	--	7.5	103
29...	1534	15.0	1330	7.10	31.0	--	5.3	72

333927088304935 TTW COLUMBUS LAKE BUTTAHATCHEE RIVER BEND SR 26A

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TRANSPARENCY (SECCHI DISK) (IN)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
APR								
13...	1615	--	--	--	--	24.0	--	--
13...	1616	1.00	139	7.20	19.0	--	10.3	112
13...	1617	5.00	139	7.20	18.5	--	10.3	111
13...	1618	10.0	139	7.10	18.5	--	10.2	110
13...	1619	15.0	139	7.10	18.5	--	10.2	110
JUN								
29...	1700	--	--	--	--	36.0	--	--
29...	1701	1.00	210	7.60	33.0	--	8.1	114
29...	1702	5.00	209	7.60	32.5	--	8.1	113
29...	1703	10.0	207	7.40	31.0	--	6.6	90
29...	1704	15.0	212	7.20	30.5	--	5.2	70
29...	1705	17.0	216	6.90	30.0	--	4.4	59

02439600 BUTTAHATCHEE RIVER NEAR KOLOLA SPRINGS, MS

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
APR							
13...	1030	1480	30	6.80	16.5	9.4	97
JUN							
29...	1000	108	39	7.00	28.0	7.0	91

02441000 TIBBEE CREEK NEAR TIBBEE, MS

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
APR							
13...	0830	1330	213	7.80	14.5	10.6	105
JUN							
29...	0800	140	342	7.70	28.5	6.4	84

333119088291435 TTW COLUMBUS LAKE SEDIMENTATION RANGE 1A

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TRANSPARENCY (SECCHI DISK) (IN)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
APR								
13...	1700	--	--	--	--	24.0	--	--
13...	1701	1.00	114	7.60	19.5	--	10.8	119
13...	1702	5.00	114	7.60	19.5	--	10.7	118
13...	1703	10.0	113	7.60	19.0	--	10.1	110
13...	1704	15.0	118	7.60	19.0	--	9.9	108
13...	1705	20.0	127	7.60	18.5	--	9.7	105
13...	1706	25.0	130	7.60	18.5	--	9.4	101
JUN								
29...	1800	--	--	--	--	31.2	--	--
29...	1801	1.00	212	8.20	33.5	--	8.9	127
29...	1802	5.00	210	8.20	33.5	--	8.8	125
29...	1803	10.0	213	7.80	31.5	--	7.5	103
29...	1804	15.0	220	7.50	30.5	--	5.1	69
29...	1805	20.0	210	7.20	30.0	--	4.1	55
29...	1806	24.0	218	7.00	29.5	--	3.1	41

02441391 TOMBIGBEE RIVER BELOW COLUMBUS LOCK AND DAM, MS

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TRANSPARENCY (SECCHI DISK) (IN)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
APR								
18...	1135	--	85	6.40	18.0	16.0	9.7	105
18...	1136	5.00	87	6.90	18.0	--	9.8	106
18...	1137	10.0	87	7.00	18.0	--	9.6	104
18...	1138	15.0	88	7.10	18.0	--	10.2	110
JUL								
11...	1200	--	50	7.30	29.0	17.5	7.7	--
11...	1201	6.50	50	7.30	28.0	--	7.6	--
11...	1202	13.0	60	7.30	28.0	--	7.5	--

02441498 TOMBIGBEE RIVER COLUMBUS BEND SR 11B AT COLUMBUS, MS

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TRANSPARENCY (SECCHI DISK) (IN)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
APR								
18...	1305	--	99	7.10	19.0	16.5	10.0	110
18...	1306	5.00	100	7.20	18.5	--	10.0	109
18...	1307	10.0	100	7.30	18.0	--	9.6	104
18...	1308	15.0	100	7.30	18.0	--	9.4	101
18...	1309	20.0	101	7.30	18.0	--	9.3	100
18...	1310	24.0	102	7.30	18.0	--	9.1	98
JUL								
11...	1320	--	165	7.50	28.5	20.0	6.5	--
11...	1321	6.50	170	7.40	28.5	--	6.1	--
11...	1322	10.0	170	7.30	28.5	--	5.4	--
11...	1323	13.0	160	7.30	28.0	--	5.3	--
11...	1324	16.0	160	7.30	28.0	--	5.4	--
11...	1325	20.0	160	7.30	28.0	--	5.2	--
11...	1326	23.0	165	7.30	28.0	--	5.4	--
11...	1327	26.0	160	7.20	28.0	--	5.6	--

02443500 LUXAPALLILA CREEK NEAR COLUMBUS, MS

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
APR							
13...	1200	788	29	8.50	16.5	10.9	112
JUN							
29...	1200	37	39	6.70	29.5	6.9	92

02443610 TOMBIGBEE RIVER PRATT CAMP SR 5HB BELOW COLUMBUS, MS

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TRANSPARENCY (SECCHI DISK) (IN)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
APR								
18...	1505	--	114	8.00	22.5	19.0	11.0	129
18...	1506	5.00	114	7.90	19.0	--	10.6	116
18...	1507	10.0	121	7.40	18.5	--	8.2	89
18...	1508	15.0	130	7.20	17.5	--	6.8	72
18...	1509	19.0	134	7.10	17.5	--	5.7	60
JUL								
11...	1520	--	150	8.00	30.0	31.5	8.0	107
11...	1521	6.50	150	7.40	29.0	--	6.2	81
11...	1522	10.0	150	7.30	28.5	--	4.7	61
11...	1523	13.0	160	7.00	28.0	--	0.5	6
11...	1524	15.0	160	6.90	27.0	--	0.6	8

02444158 TOMBIGBEE RIVER ABOVE BEVILL LOCK AND DAM, AL

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TRANSPARENCY (SECCHI DISK) (IN)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
APR								
19...	0930	--	112	7.80	19.0	23.0	7.7	84
19...	0931	5.00	113	6.80	19.0	--	8.1	88
19...	0932	10.0	113	6.90	19.0	--	8.1	88
19...	0933	15.0	113	6.90	19.0	--	8.0	87
19...	0934	20.0	113	6.90	19.0	--	7.8	85
19...	0935	25.0	113	7.00	19.0	--	7.0	76
19...	0936	30.0	113	7.00	19.0	--	7.7	84
JUL								
12...	1010	--	193	7.20	29.0	26.5	6.0	78
12...	1011	6.50	193	7.10	28.5	--	4.8	62
12...	1012	13.0	193	7.10	28.5	--	4.7	61
12...	1013	20.0	192	7.10	28.5	--	4.6	60
12...	1014	26.0	192	7.00	28.5	--	4.5	58

02444161 TOMBIGBEE RIVER BELOW BEVILL LOCK AND DAM, AL

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TRANSPARENCY (SECCHI DISK) (IN)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
APR								
19...	1245	--	123	7.40	19.0	19.5	9.3	101
19...	1246	5.00	128	7.40	19.0	--	10.6	115
19...	1247	10.0	126	7.50	18.5	--	10.6	114
19...	1248	14.0	127	7.50	18.5	--	10.0	107
JUL								
12...	1210	--	190	7.10	29.0	18.5	6.2	81
12...	1211	6.50	190	7.10	29.0	--	6.1	79
12...	1212	13.0	190	7.10	28.5	--	5.9	77

02444210 TOMBIGBEE RIVER BIG CREEK BEND NEAR PICKENSVILLE, AL

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TRANSPARENCY (SECCHI DISK) (IN)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
APR								
19...	1330	--	55	6.70	18.0	18.5	8.0	85
19...	1331	5.00	55	6.80	18.0	--	8.1	86
19...	1332	6.00	55	6.80	18.0	--	7.5	79
JUL								
12...	1335	--	81	7.20	29.5	12.5	6.7	88
12...	1336	3.00	81	7.10	29.5	--	6.6	87
12...	1337	5.00	81	7.10	29.5	--	6.3	83

02447010 TOMBIGBEE RIVER COOKS BEND NEAR WARSAW, AL

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TRANSPARENCY (SECCHI DISK) (IN)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
APR								
19...	1710	--	112	7.40	19.5	14.7	9.3	102
19...	1711	5.00	112	7.50	19.5	--	9.4	103
19...	1712	10.0	112	7.60	19.5	--	9.3	102
19...	1713	15.0	112	7.60	19.5	--	9.3	102
19...	1714	20.0	112	7.60	19.5	--	9.2	101
19...	1715	25.0	112	7.60	19.5	--	9.4	103
19...	1716	29.0	113	7.50	19.5	--	9.2	100
JUL								
12...	1540	--	159	8.00	32.0	18.5	7.0	96
12...	1541	6.50	160	8.00	31.0	--	6.8	92
12...	1542	13.0	160	7.30	29.0	--	4.8	63
12...	1543	20.0	160	7.20	29.0	--	4.6	60
12...	1544	26.0	160	7.10	29.0	--	4.5	59
12...	1545	33.0	160	7.10	29.0	--	4.3	56

02447020 TOMBIGBEE RIVER ABOVE GAINESVILLE LOCK AND DAM, AL

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TRANSPARENCY (SECCHI DISK) (IN)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
APR								
20...	1015	--	113	6.90	19.5	24.0	8.8	96
20...	1016	5.00	112	7.40	19.5	--	8.7	95
20...	1017	10.0	112	7.40	19.5	--	8.7	95
20...	1018	15.0	113	7.50	19.5	--	8.8	96
20...	1019	20.0	112	7.50	19.5	--	8.6	94
20...	1020	25.0	112	7.50	19.5	--	8.7	95
20...	1021	30.0	113	7.50	19.5	--	8.7	95
20...	1022	35.0	112	7.50	19.5	--	8.5	93
20...	1023	37.0	111	7.50	19.5	--	8.5	93
JUL								
12...	0930	--	135	6.80	29.5	34.5	6.6	86
12...	0931	6.50	136	6.90	29.5	--	6.3	83
12...	0932	13.0	137	7.00	29.5	--	6.2	81
12...	0933	20.0	136	7.00	29.5	--	5.8	76
12...	0934	26.0	136	6.90	29.5	--	5.7	75
12...	0935	33.0	136	6.90	29.5	--	5.7	75
12...	0936	39.0	137	6.90	29.5	--	5.4	71
12...	0937	46.0	137	6.90	29.5	--	5.4	71

02448000 NOXUBEE RIVER AT MACON, MS

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT					
20...	1305	45	31	3.8	--
DEC					
15...	1630	62	28	4.7	--
JAN					
26...	1040	131	22	7.8	--
MAR					
08...	1130	681	121	222	--
APR					
02...	1340	2660	486	3490	96
02...	1645	3060	435	3590	96
02...	1800	3160	392	3340	97
02...	2100	3250	297	2610	98
03...	1540	3140	301	2550	97
05...	1200	2340	152	960	--
06...	1140	2430	141	925	--
12...	1200	337	41	37	--
19...	1015	604	111	181	--
MAY					
24...	1310	159	49	21	--
JUL					
12...	0930	186	50	25	--
AUG					
24...	0925	67	42	7.6	--
SEP					
06...	1015	122	35	12	100

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .002 MM	SED. SUSP. FALL DIAM. % FINER THAN .004 MM	SED. SUSP. FALL DIAM. % FINER THAN .008 MM	SED. SUSP. FALL DIAM. % FINER THAN .016 MM	SED. SUSP. FALL DIAM. % FINER THAN .031 MM	SED. SUSP. FALL DIAM. % FINER THAN .062 MM	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM
APR								
02...	2100	61	66	72	83	94	98	100
SEP								
06...	1015	78	82	85	93	97	100	--

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM
SEP									
06...	1017	25.0	5	26	46	72	85	86	88
06...	1019	50.0	1	4	9	24	40	55	73
06...	1021	75.0	0	1	5	22	40	61	80

02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL

DATE	TIME	SAMPLING DEPTH (FEET)	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TRANSPARENCY (SECCHI DISK) (IN)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT									
14...	1020	--	245	170	7.20	20.0	--	8.9	100
NOV									
18...	1000	--	910	185	7.10	15.0	--	10.3	101
DEC									
16...	1100	--	300	149	6.70	12.0	--	11.7	107
JAN									
12...	1115	--	3350	120	7.16	5.0	--	13.1	102
FEB									
16...	1020	--	28900	118	7.84	6.0	--	13.1	105
MAR									
16...	1030	--	10100	150	7.59	12.0	--	10.8	99
APR									
20...	1215	--	13200	135	7.55	19.5	--	9.5	104
20...	1216	--	--	113	7.00	19.5	12.0	9.5	104
20...	1217	5.00	--	113	7.30	19.5	--	9.5	104
20...	1218	10.0	--	113	7.30	19.5	--	9.5	104
20...	1219	15.0	--	114	7.40	19.5	--	9.4	103
20...	1220	20.0	--	114	7.40	19.5	--	9.3	102
20...	1221	21.0	--	114	7.40	19.5	--	9.1	100
MAY									
11...	1000	--	490	112	7.80	23.0	--	9.0	105
JUN									
15...	0930	--	970	137	8.00	27.0	--	8.3	104
JUL									
13...	1045	--	--	143	7.40	28.0	6.25	5.6	71
13...	1046	6.50	--	144	7.40	27.5	--	5.4	69
13...	1047	13.0	--	144	7.50	27.5	--	5.2	66
13...	1048	16.0	--	145	7.40	27.5	--	5.2	66
13...	1105	--	1060	143	8.00	28.0	--	5.6	71
AUG									
10...	1000	--	550	185	7.90	30.0	--	7.7	103
SEP									
13...	1000	--	1120	175	7.80	27.5	--	7.5	95

DATE	TIME	TURBIDITY (FTU)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS TOTAL (MG/L AS CACO3)	HARDNESS NONCARB WH WAT TOT FLD MG/L AS CACO3	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO
OCT											
14...	1020	3.5	9	3	64	15	22	2.1	7.8	20	0.4
NOV											
18...	1000	2.6	70	8	63	19	22	1.9	10	25	0.6
DEC											
16...	1100	3.1	26	9	51	18	17	2.0	8.6	26	0.5
JAN											
12...	1115	18	640	1800	44	10	15	1.7	5.5	20	0.4
FEB											
16...	1020	71	1300	5900	48	14	17	1.4	3.6	13	0.2
MAR											
16...	1030	2.2	110	69	55	18	19	1.8	5.2	16	0.3
APR											
20...	1215	25	110	430	54	13	19	1.6	4.0	13	0.2
MAY											
11...	1000	6.0	7	8	44	14	15	1.7	3.7	15	0.3
JUN											
15...	0930	3.0	27	6	53	9	18	2.0	5.1	17	0.3
AUG											
10...	1000	5.5	49	5	66	15	23	2.1	8.4	21	0.5
SEP											
13...	1000	26	260	5300	63	14	22	1.9	8.2	21	0.5

02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL--Continued

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)
OCT 14...	2.4	--	--	10	13	0.20	1.3	93	88	0.13
NOV 18...	2.6	--	--	16	20	0.10	1.4	107	100	0.15
DEC 16...	2.8	41	34	15	17	0.20	2.4	103	85	0.14
JAN 12...	2.6	42	34	13	8.2	0.20	9.9	85	79	0.12
FEB 16...	2.1	41	33	13	6.2	0.20	7.1	84	73	0.11
MAR 16...	2.1	44	36	17	7.5	0.10	6.2	97	82	0.13
APR 20...	1.6	51	42	14	6.4	0.10	5.2	90	78	0.12
MAY 11...	1.6	37	30	14	5.4	0.20	2.5	71	63	0.10
JUN 15...	1.9	53	44	11	7.3	0.20	0.57	81	72	0.11
AUG 10...	2.0	62	51	14	14	0.10	2.2	100	97	0.14
SEP 13...	2.1	61	50	14	13	0.10	2.0	96	93	0.13

DATE	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHOROUS TOTAL (MG/L AS P)	PHOSPHOROUS DISSOLVED (MG/L AS P)	PHOSPHOROUS ORTHO, DISSOLVED (MG/L AS P)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 14...	61.5	<0.100	0.010	0.50	0.010	<0.010	<0.010	15	9.9	99
NOV 18...	263	<0.100	0.020	0.30	0.020	--	<0.010	8	20	98
DEC 16...	83.4	<0.100	0.020	0.40	0.010	<0.010	<0.010	10	8.1	93
JAN 12...	769	0.300	0.100	0.50	0.070	0.030	0.010	13	118	98
FEB 16...	6550	0.270	0.110	1.0	0.150	0.060	0.040	119	9290	96
MAR 16...	2650	0.230	0.040	0.60	0.060	0.030	0.020	30	818	99
APR 20...	3210	0.190	0.020	0.50	0.100	0.030	0.010	61	2170	95
MAY 11...	93.9	<0.100	0.030	0.40	0.020	0.010	<0.010	12	16	94
JUN 15...	212	<0.100	0.010	0.40	0.010	<0.010	0.010	19	50	95
AUG 10...	148	<0.00	<0.010	0.40	0.030	0.010	<0.010	33	49	96
SEP 13...	290	<0.100	<0.010	0.80	0.150	0.020	<0.010	62	187	95

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)
OCT 14...	<10	<1	29	<0.5	<1	<1	<3	<1	5	<5
FEB 16...	140	<1	26	<0.5	4	<1	<3	6	170	<5
APR 20...	30	1	28	<0.5	<1	<1	<3	2	250	<5
AUG 10...	20	2	26	<0.5	<1	<1	<3	3	13	<5

DATE	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
OCT 14...	<4	<1	<0.1	<10	1	<1	4.0	150	<6	16
FEB 16...	<4	51	<0.1	<10	<1	<1	<1.0	110	<6	6
APR 20...	<4	3	<0.1	<10	5	<1	<1.0	120	<6	<3
AUG 10...	5	1	<0.1	<10	2	<1	<1.0	150	<6	<3

02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25 DEG. C, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	176	168	171	173	170	171	184	176	177	146	130	136
2	177	165	170	175	171	173	181	176	178	138	132	134
3	175	168	170	175	173	174	197	177	181	144	135	138
4	175	169	171	176	175	175	197	176	180	161	143	146
5	176	170	173	177	175	176	180	175	176	168	148	150
6	183	170	175	179	176	179	177	173	175	149	140	146
7	186	175	180	178	176	177	173	170	172	146	134	138
8	185	174	181	178	176	177	171	163	168	194	130	159
9	186	175	180	178	176	178	168	164	167	149	129	138
10	182	173	176	182	177	180	166	160	163	128	121	124
11	179	173	175	182	178	182	164	159	161	140	117	123
12	179	171	174	182	177	181	162	160	161	130	116	125
13	175	170	172	182	178	181	161	158	159	139	127	130
14	175	166	169	182	179	181	160	155	157	127	118	122
15	173	167	168	182	177	180	156	153	154	132	111	119
16	169	167	168	182	175	180	159	154	156	143	110	120
17	170	167	167	183	176	181	184	155	161	136	111	120
18	175	166	167	185	181	184	163	155	156	119	108	112
19	168	167	167	190	185	186	160	153	156	126	109	113
20	174	167	168	186	180	185	154	151	152	148	125	140
21	168	167	167	185	180	184	152	150	151	152	141	146
22	168	167	167	186	177	184	157	149	151	145	135	138
23	169	167	167	187	178	185	172	152	154	140	134	137
24	180	167	168	187	183	185	162	148	153	138	127	134
25	170	168	168	187	182	185	156	143	147	160	122	130
26	171	169	169	188	182	186	146	135	139	131	120	126
27	172	169	169	188	181	186	140	134	137	144	119	126
28	172	170	170	186	179	184	144	140	142	135	118	123
29	172	170	170	180	175	177	151	141	145	141	116	121
30	178	171	172	192	175	177	140	134	136	129	112	117
31	180	170	171	---	---	---	138	134	135	130	108	114
MONTH	186	165	171	192	170	180	197	134	158	194	108	130
		FEBRUARY			MARCH			APRIL			MAY	
1	131	101	109	126	114	119	130	115	119	140	122	129
2	114	98	101	146	114	122	141	119	128	143	123	130
3	138	97	117	139	114	118	156	139	147	138	120	126
4	136	125	128	154	118	134	145	139	141	136	114	120
5	133	126	129	126	122	124	142	136	138	148	117	128
6	137	133	134	132	122	125	137	131	133	140	115	125
7	138	129	133	137	124	130	131	127	129	144	119	128
8	135	122	126	144	129	135	141	130	135	132	117	125
9	123	118	121	148	130	141	163	135	141	131	118	122
10	127	116	119	163	148	154	175	140	149	136	117	124
11	124	114	118	173	166	170	179	140	151	132	120	125
12	132	113	116	166	149	158	182	134	143	128	118	121
13	124	110	115	167	149	155	150	134	139	130	118	121
14	135	108	115	160	153	157	143	133	138	128	117	120
15	134	105	117	156	151	154	151	135	139	128	117	121
16	126	114	120	158	149	154	154	134	142	132	120	123
17	128	113	122	156	145	150	158	131	144	131	119	122
18	144	128	137	151	143	147	138	125	133	138	124	132
19	150	137	141	165	140	146	143	122	134	126	120	122
20	139	135	137	151	137	143	157	137	142	140	130	134
21	138	133	136	157	135	142	142	126	134	130	123	126
22	155	129	135	156	128	138	128	120	124	135	122	124
23	142	124	128	160	126	132	126	118	123	130	122	125
24	131	120	126	138	126	132	137	118	122	136	123	126
25	156	119	126	137	122	128	130	124	127	141	123	125
26	132	116	121	157	130	139	140	126	132	143	124	129
27	135	113	118	169	124	132	139	132	136	138	124	129
28	136	113	118	142	124	133	143	129	133	138	124	128
29	138	114	120	134	119	126	149	127	136	137	125	128
30	---	---	---	146	113	124	135	126	131	138	126	131
31	---	---	---	126	115	122	---	---	---	153	130	136
MONTH	156	97	124	173	113	138	182	115	135	153	114	126

02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25 DEG. C, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	153	133	140	174	149	162	196	178	184	201	195	198
2	146	140	144	174	159	166	198	182	189	202	190	198
3	158	134	140	201	170	189	197	178	185	198	186	194
4	148	133	139	191	158	168	207	181	194	197	190	194
5	151	135	139	192	169	183	202	183	192	198	188	194
6	153	136	143	200	177	189	203	189	195	197	185	191
7	143	136	139	177	158	167	204	189	195	198	188	193
8	148	140	144	167	159	164	201	188	194	195	185	189
9	149	132	138	180	160	171	202	188	195	190	184	186
10	142	132	136	166	157	161	198	192	195	186	181	184
11	154	138	142	171	154	159	198	192	197	190	177	184
12	154	146	150	190	165	174	199	193	196	185	176	182
13	155	142	149	184	165	173	201	194	198	184	173	181
14	147	137	141	176	172	174	200	193	197	178	175	178
15	150	140	145	173	168	170	207	194	197	177	175	176
16	144	138	141	171	168	169	203	193	198	176	174	175
17	146	142	144	170	168	169	207	195	200	180	175	178
18	146	143	144	176	169	172	202	195	198	176	169	171
19	148	137	141	177	173	175	212	196	201	180	171	176
20	150	142	146	177	174	175	216	198	205	185	169	174
21	149	141	144	180	172	176	214	196	203	182	171	175
22	155	143	150	190	173	182	210	194	200	185	171	175
23	156	139	145	200	174	185	205	193	198	177	170	174
24	159	143	148	180	173	175	217	195	203	175	168	170
25	159	149	153	181	164	173	220	197	208	170	163	166
26	159	151	154	184	175	178	212	199	206	176	163	168
27	160	151	155	179	169	173	212	198	204	173	159	164
28	160	143	149	190	175	180	213	195	204	173	159	165
29	162	149	153	185	178	182	210	195	203	165	146	157
30	164	151	157	192	174	181	206	194	200	174	153	164
31	---	---	---	192	179	185	201	192	198	---	---	---
MONTH	164	132	145	201	149	174	220	178	198	202	146	179
YEAR	220	97	155									

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	25.0	24.0	24.5	18.0	17.0	17.5	13.0	12.5	13.0	11.0	10.5	11.0
2	24.5	23.0	24.0	18.0	17.0	18.0	13.0	12.5	13.0	10.5	10.0	10.5
3	24.0	22.0	23.0	18.0	17.5	18.0	12.5	12.0	12.5	10.0	9.5	10.0
4	23.5	22.5	23.0	18.0	17.5	18.0	12.5	11.5	12.5	10.0	9.0	9.5
5	23.5	22.0	22.5	18.0	17.5	17.5	12.0	11.5	11.5	9.0	8.5	9.0
6	22.5	21.5	22.0	17.5	16.5	17.0	11.5	11.0	11.5	8.5	8.0	8.5
7	22.0	21.0	21.5	17.0	16.0	16.5	12.0	11.0	11.5	8.0	7.5	8.0
8	21.5	20.5	21.0	17.0	16.0	16.5	12.0	11.5	11.5	7.5	3.5	6.0
9	21.0	20.5	21.0	17.0	16.5	16.5	13.0	11.5	12.0	6.5	5.5	6.0
10	21.0	20.5	21.0	17.0	16.0	17.0	12.5	11.5	12.0	6.0	5.5	6.0
11	21.5	20.0	21.0	16.5	15.5	16.0	12.0	11.5	12.0	6.0	5.0	5.5
12	21.5	20.5	21.0	15.5	14.5	15.0	12.0	11.5	12.0	5.5	5.0	5.5
13	21.0	20.0	20.5	15.5	14.0	15.0	12.0	11.5	12.0	5.5	5.0	5.5
14	21.0	19.5	20.0	15.0	14.5	15.0	12.5	12.0	12.0	5.0	4.5	5.0
15	20.0	19.0	19.5	15.0	14.5	15.0	12.5	11.5	12.0	5.0	4.0	4.5
16	19.5	19.0	19.5	15.5	15.0	15.0	11.5	10.5	11.0	5.0	4.5	4.5
17	20.0	17.5	19.0	15.5	15.0	15.5	11.5	10.5	11.0	5.0	4.5	5.0
18	21.0	19.5	20.0	15.0	14.5	15.0	11.5	10.5	11.0	5.0	4.5	5.0
19	20.5	19.5	20.0	14.5	14.0	14.5	11.5	10.5	11.0	6.0	5.0	5.5
20	20.5	19.5	20.0	14.0	13.5	14.0	12.0	11.0	11.5	9.5	6.0	8.0
21	20.0	19.0	19.5	13.5	12.0	13.0	11.5	11.0	11.5	9.0	8.5	9.0
22	19.0	18.5	18.5	13.5	12.0	13.0	12.0	11.0	11.5	8.5	8.0	8.0
23	19.0	18.0	18.5	13.5	12.0	13.0	12.0	11.0	11.5	8.5	8.0	8.0
24	18.5	18.0	18.0	14.0	13.0	13.5	12.0	11.5	11.5	8.5	8.5	8.5
25	19.0	18.0	18.5	14.0	13.0	13.5	12.0	11.5	12.0	8.5	8.0	8.5
26	18.5	18.5	18.5	14.0	13.5	14.0	12.0	12.0	12.0	8.0	7.5	8.0
27	19.0	18.0	18.5	14.0	14.0	14.0	12.5	12.0	12.5	7.5	6.5	7.5
28	18.5	17.5	18.0	14.0	14.0	14.0	12.5	12.0	12.5	7.5	6.5	7.5
29	17.5	17.0	17.0	14.0	13.5	13.5	12.5	11.5	12.0	7.5	6.5	7.0
30	17.5	16.5	17.0	13.5	12.5	13.5	11.5	11.0	11.5	7.5	6.5	7.0
31	17.5	16.5	17.5	---	---	---	11.0	11.0	11.0	7.0	6.5	7.0
MONTH	25.0	16.5	20.0	18.0	12.0	15.0	13.0	10.5	12.0	11.0	3.5	7.0

02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.5	7.0	7.5	10.5	10.0	10.0	18.0	17.5	17.5	21.0	17.0	20.0
2	7.5	7.0	7.5	11.0	10.0	10.5	18.5	18.0	18.0	21.0	16.0	19.5
3	9.5	7.5	8.5	11.5	10.5	11.0	19.0	18.5	19.0	21.5	15.5	20.5
4	10.0	9.5	9.5	12.5	11.5	12.0	19.5	19.0	19.0	21.5	20.0	21.0
5	10.0	9.5	9.5	12.0	12.0	12.0	20.5	19.5	20.0	22.0	20.5	21.0
6	9.5	8.5	9.0	12.5	12.0	12.0	20.5	20.5	20.5	22.0	20.5	21.0
7	8.5	7.5	8.5	12.5	12.0	12.5	20.5	20.0	20.5	22.5	18.5	21.0
8	8.0	7.5	7.5	12.5	12.5	12.5	20.5	19.5	20.0	22.0	20.0	21.0
9	7.5	7.0	7.5	13.0	12.5	12.5	20.5	19.5	20.0	23.0	18.5	21.0
10	7.5	6.5	7.0	12.5	12.0	12.5	20.5	19.5	20.0	23.5	21.0	22.0
11	7.0	6.5	7.0	12.5	12.0	12.0	20.0	19.0	19.5	23.5	18.5	22.5
12	6.5	6.0	6.5	12.5	12.5	12.5	19.5	18.5	19.5	23.5	22.5	23.0
13	6.5	5.5	6.0	13.0	12.0	12.5	19.5	19.0	19.5	24.0	22.5	23.5
14	6.5	5.5	6.0	12.5	12.0	12.5	19.5	19.0	19.5	25.0	23.0	23.5
15	6.5	6.0	6.0	12.0	11.5	12.0	20.0	19.0	19.5	25.0	23.5	24.0
16	6.0	5.5	6.0	12.0	11.0	11.5	19.5	19.0	19.5	25.5	23.5	24.5
17	6.0	5.5	5.5	12.5	11.5	12.0	20.0	19.0	19.5	25.5	24.0	25.0
18	6.0	6.0	6.0	12.0	11.5	12.0	20.0	19.5	19.5	26.5	24.5	25.0
19	6.5	6.0	6.0	12.5	11.0	11.5	19.5	19.0	19.5	26.0	24.5	25.0
20	6.5	6.5	6.5	12.5	11.5	12.0	19.5	18.0	19.0	27.0	25.0	25.5
21	7.0	6.5	7.0	13.5	11.5	12.0	19.5	18.0	19.0	25.5	25.0	25.5
22	8.0	7.0	7.5	14.0	12.0	13.0	19.5	19.0	19.5	25.0	24.5	25.0
23	8.5	7.5	8.0	14.5	12.0	13.0	19.5	19.0	19.5	25.0	24.5	25.0
24	8.5	7.5	8.0	14.5	13.5	14.0	19.5	18.5	19.0	25.0	24.5	24.5
25	8.5	7.5	8.5	14.5	13.5	14.0	20.5	19.0	20.0	25.5	24.0	24.5
26	9.0	8.0	8.5	15.5	14.5	15.0	21.0	18.0	20.5	25.0	24.0	24.5
27	9.5	8.5	9.0	16.0	15.0	15.5	21.0	18.5	20.5	25.5	24.0	24.5
28	10.0	9.0	9.5	16.5	14.0	16.0	21.5	17.0	20.0	26.0	24.0	24.5
29	10.0	9.0	10.0	16.5	15.5	16.0	21.5	18.5	20.0	26.0	24.5	25.0
30	---	---	---	17.0	16.0	16.5	20.5	17.0	19.5	26.0	24.5	25.5
31	---	---	---	17.5	17.0	17.0	---	---	---	27.0	25.0	26.0
MONTH	10.0	5.5	7.5	17.5	10.0	13.0	21.5	17.0	19.5	27.0	15.5	23.5
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.0	26.0	26.0	29.5	28.5	29.0	31.5	30.0	30.5	30.0	29.5	29.5
2	27.5	26.0	26.5	29.5	27.5	29.0	31.5	30.0	30.5	29.5	29.0	29.5
3	28.0	26.0	26.5	28.5	27.5	28.0	31.5	30.0	30.5	29.0	28.5	29.0
4	27.0	26.0	26.5	30.0	28.0	29.0	31.5	30.5	31.0	29.0	28.5	29.0
5	26.5	25.5	26.0	29.0	25.0	27.0	31.5	30.5	31.0	28.5	27.5	28.0
6	26.5	25.5	26.0	27.0	25.0	26.0	31.5	30.5	31.0	28.0	27.0	27.5
7	26.5	26.0	26.0	28.5	26.5	28.0	31.0	30.5	30.5	27.5	26.5	27.0
8	28.0	26.0	26.5	29.5	27.5	28.5	31.0	30.0	30.5	27.5	26.5	27.0
9	27.5	26.5	27.0	30.0	28.0	28.5	31.0	30.0	30.5	27.5	26.5	27.0
10	27.0	26.0	26.5	29.0	28.0	28.5	31.0	29.5	30.0	27.5	27.0	27.0
11	27.5	25.5	26.5	29.5	28.0	28.5	31.5	30.0	31.0	27.5	26.5	27.0
12	27.0	26.0	26.5	28.5	26.5	27.5	31.5	30.5	31.0	28.0	26.5	27.0
13	27.5	26.0	26.5	27.5	26.5	27.0	31.0	30.5	30.5	28.5	27.0	27.5
14	27.5	26.0	26.5	29.5	27.0	28.0	31.5	30.5	31.0	29.0	28.0	28.5
15	28.0	26.5	27.0	31.5	28.0	29.0	31.5	30.5	31.0	28.5	26.0	27.5
16	28.5	26.5	27.0	30.5	29.5	30.0	31.5	30.5	31.0	28.0	26.0	27.5
17	29.0	26.5	27.5	30.5	29.5	30.0	31.5	30.5	31.0	28.0	27.5	27.5
18	28.5	27.0	27.5	30.5	29.5	30.0	32.5	31.0	31.5	28.0	22.0	25.5
19	28.0	27.0	27.5	30.5	29.5	30.0	32.0	30.5	31.0	---	---	---
20	29.0	27.5	28.0	30.5	29.5	30.0	31.5	30.5	31.0	29.0	28.5	26.5
21	29.0	27.5	28.0	30.5	29.5	30.0	31.0	30.0	30.5	29.0	26.0	28.0
22	29.0	28.0	28.5	30.0	29.0	29.5	31.0	30.0	30.5	28.0	19.0	25.0
23	28.5	27.5	28.0	30.0	28.5	29.0	31.0	30.0	30.5	29.0	23.5	26.0
24	29.5	28.0	29.0	30.5	29.0	29.5	31.0	30.0	30.5	29.0	23.5	28.0
25	31.0	29.0	29.5	30.0	29.5	30.0	31.0	30.0	30.5	28.0	27.5	27.5
26	31.0	29.5	30.0	30.0	29.0	29.5	31.5	30.0	30.5	25.5	22.5	24.5
27	31.0	29.5	30.0	30.0	28.5	29.0	31.5	30.5	31.0	---	---	---
28	30.5	29.0	30.0	30.5	28.5	29.5	31.0	30.5	30.5	26.5	22.5	25.5
29	31.5	30.0	30.5	30.5	29.5	30.0	31.5	30.5	30.5	27.0	25.0	26.0
30	30.0	29.0	29.5	30.5	29.0	29.5	30.5	30.0	30.0	26.0	23.0	24.5
31	---	---	---	31.5	29.5	30.0	31.0	29.5	30.0	---	---	---
MONTH	31.5	25.5	27.5	31.5	25.0	29.0	32.5	29.5	30.5	30.0	19.0	27.0
YEAR	32.5	3.5	19.5									

02466998 TOMBIGBEE RIVER ABOVE DEMOPOLIS LOCK AND DAM, AL

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TRANSPARENCY (SECCHI DISK) (IN)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
APR								
20...	1700	--	130	7.30	19.5	21.0	9.3	102
20...	1701	5.00	130	7.50	19.5	--	9.3	102
20...	1702	10.0	131	7.50	19.5	--	9.2	101
20...	1703	15.0	131	7.60	19.5	--	9.3	102
20...	1704	20.0	131	7.60	19.5	--	9.3	102
20...	1705	25.0	131	7.60	19.5	--	9.2	101
20...	1706	30.0	131	7.50	19.5	--	9.3	102
20...	1707	35.0	131	7.60	19.5	--	9.3	102
20...	1708	40.0	132	7.60	19.5	--	9.3	102
20...	1709	45.0	132	7.60	19.5	--	9.3	102
20...	1710	50.0	132	7.60	19.5	--	9.3	102
20...	1711	55.0	132	7.60	19.5	--	9.2	101
20...	1712	58.0	132	7.60	19.5	--	9.2	101
JUL								
13...	1800	--	182	7.70	30.5	23.5	6.5	87
13...	1801	6.50	183	7.50	30.5	--	5.9	79
13...	1802	13.0	181	7.20	30.0	--	5.4	72
13...	1803	20.0	179	7.20	30.0	--	5.0	66
13...	1804	26.0	177	7.20	30.0	--	4.9	65
13...	1805	33.0	175	7.10	29.5	--	4.8	63
13...	1806	39.0	173	7.10	29.0	--	4.8	62
13...	1807	46.0	172	7.10	29.5	--	4.7	62
13...	1808	52.0	170	7.10	29.5	--	4.5	59
13...	1809	54.0	170	7.10	29.5	--	4.5	59

02469762 TOMBIGBEE RIVER BELOW COFFEEVILLE LOCK AND DAM, AL

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	DISSOLVED (PERCENT SATURATION)
OCT							
22...	1030	920	268	7.40	21.0	8.9	99
FEB							
11...	1015	21700	157	7.47	9.0	12.4	108
APR							
14...	1000	19300	175	7.25	19.0	9.7	104
AUG							
18...	1040	822	282	7.60	28.0	7.2	92

DATE	TIME	TURBIDITY (FTU)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS TOTAL (MG/L AS CACO3)	HARDNESS NONCARB WH WAT TOT FLD MG/L AS CACO3	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO
OCT											
22...	1030	5.4	--	9	78	26	22	5.6	22	37	1
FEB											
11...	1015	27	350	160	58	26	17	3.8	7.6	21	0.5
APR											
14...	1000	--	37	36	--	0	--	--	--	--	--
AUG											
18...	1040	8.4	25	81	82	23	26	4.2	22	36	1

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)
OCT										
22...	2.9	--	--	41	23	0.20	3.4	153	153	0.21
FEB										
11...	2.4	38	31	26	7.6	0.20	7.3	101	94	0.14
APR										
14...	--	55	45	--	--	--	--	--	--	--
AUG										
18...	2.5	72	59	32	22	0.10	2.5	156	149	0.21

02469762 TOMBIGBEE RIVER BELOW COFFEEVILLE LOCK AND DAM, AL--Continued

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHOROUS TOTAL (MG/L AS P)	PHOS-PHOROUS DIS-SOLVED (MG/L AS P)	PHOS-PHOROUS ORTHO, DIS-SOLVED (MG/L AS P)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT										
22...	380	0.220	0.020	0.30	0.010	<0.010	<0.010	12	30	100
FEB										
11...	5920	0.490	0.100	0.50	0.060	0.030	0.030	26	1520	98
APR										
14...	--	0.270	0.090	0.40	0.050	0.030	0.010	30	1560	98
AUG										
18...	346	0.220	0.020	0.30	0.040	0.020	<0.010	12	27	98

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT										
22...	20	<1	46	<0.5	<1	2	<3	2	43	<5
FEB										
11...	140	<1	30	<0.5	<1	<1	<3	2	180	<5
AUG										
18...	20	1	36	<0.5	<1	<1	<3	2	37	<5

DATE	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT										
22...	8	4	<0.1	<10	2	<1	<1.0	130	<6	38
FEB										
11...	5	11	--	<10	<1	<1	<1.0	90	<6	8
AUG										
18...	4	3	<0.1	<10	1	<1	<1.0	160	<6	8

DATE	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	URANIUM NATURAL DIS-SOLVED (UG/L AS U)
FEB								
11...	<0.4	0.7	2.2	1.2	1.8	1.1	0.03	0.53
AUG								
18...	0.4	1.1	2.4	0.4	2.5	0.5	0.06	0.20

02469762 TOMBIGBEE RIVER BELOW COFFEEVILLE LOCK AND DAM, AL--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25 DEG. C, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	214	245	272	177	215	175	170	168	152	170	181	170
2	221	290	272	---	210	180	170	165	140	214	205	170
3	205	284	270	186	220	170	165	169	200	240	204	179
4	---	280	270	190	180	168	147	167	201	250	125	172
5	207	275	272	184	155	172	145	178	200	251	125	169
6	209	271	278	188	158	173	155	187	200	249	---	167
7	210	273	276	190	166	188	155	177	201	220	175	160
8	222	271	274	196	167	174	160	187	200	235	175	170
9	240	270	272	210	160	167	158	188	175	220	170	171
10	235	330	270	195	158	150	141	187	160	185	172	169
11	235	340	268	195	156	148	152	187	187	180	173	170
12	229	347	270	200	174	---	154	188	186	215	180	137
13	228	344	268	200	174	164	156	188	185	170	175	112
14	225	350	270	214	176	151	170	198	182	140	175	120
15	227	360	270	216	173	150	168	200	191	185	---	132
16	232	325	272	221	165	155	170	200	190	228	173	122
17	234	320	271	220	169	158	170	197	200	235	---	---
18	238	305	272	220	163	157	156	210	195	252	---	143
19	248	260	270	210	155	175	151	210	180	255	177	131
20	261	260	270	195	148	184	158	208	176	252	175	225
21	268	330	271	171	150	188	172	200	178	339	172	224
22	271	330	274	170	148	193	174	220	179	150	170	211
23	263	325	260	169	150	181	156	230	165	149	178	225
24	271	320	261	170	157	182	160	231	186	150	176	237
25	260	310	260	168	166	185	166	135	184	152	172	237
26	265	290	266	189	240	172	170	154	182	---	173	210
27	250	290	251	213	175	157	173	157	194	---	---	270
28	243	290	250	214	162	156	174	158	205	162	---	261
29	245	288	258	210	168	160	170	158	199	165	163	270
30	247	285	205	220	---	158	175	160	198	---	172	203
31	246	---	190	225	---	140	---	170	---	172	172	---
MEAN	238	302	264	198	171	168	162	185	186	207	172	184

WTR YR 1988 MEAN 208 MAX 360 MIN 112

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.0	21.0	15.0	13.0	10.5	12.0	18.0	21.5	28.0	29.0	31.5	30.0
2	27.0	21.0	16.0	---	10.0	12.0	18.0	21.5	27.0	30.5	31.0	30.0
3	25.0	21.0	16.0	12.5	11.0	13.0	18.0	21.5	27.0	30.0	31.5	30.0
4	---	20.5	16.0	12.0	11.0	13.0	18.0	21.5	27.0	30.0	31.0	30.0
5	25.0	21.0	16.0	13.0	11.0	13.0	18.0	21.5	27.0	29.0	31.0	29.0
6	25.0	20.0	15.0	13.0	10.0	14.0	20.0	22.0	26.0	29.0	---	29.0
7	25.0	21.0	15.0	13.0	10.0	14.0	20.0	22.0	27.0	29.0	31.0	29.0
8	25.0	21.0	15.0	11.5	10.0	14.0	20.0	22.0	27.0	29.0	31.0	29.0
9	24.0	20.0	15.0	10.0	10.0	14.0	20.0	23.0	27.0	29.0	30.0	29.0
10	24.0	19.0	15.0	10.0	10.0	14.0	21.0	23.0	26.0	29.0	31.0	29.0
11	28.0	19.0	15.0	10.0	10.0	14.0	21.0	23.0	27.0	29.0	31.5	29.0
12	28.0	19.0	15.0	10.0	10.0	---	20.0	23.0	27.0	30.0	30.0	28.0
13	23.0	19.0	15.0	10.0	10.0	14.0	20.0	23.0	27.0	30.0	31.0	27.5
14	23.0	18.0	15.0	9.0	10.0	14.0	20.0	24.0	27.0	30.0	---	28.0
15	23.0	18.0	14.0	9.0	10.0	14.0	20.0	24.0	28.0	30.5	30.0	29.0
16	23.0	18.0	14.0	9.0	10.0	14.0	20.0	25.0	29.0	29.5	30.0	29.0
17	23.0	18.0	14.0	9.0	10.0	14.0	20.0	24.0	27.0	30.0	---	---
18	23.0	18.0	14.0	10.0	10.0	14.0	20.0	25.0	28.0	30.5	---	---
19	23.0	18.0	14.0	10.0	9.0	14.0	20.0	25.0	28.0	30.5	32.0	28.5
20	23.0	17.0	14.0	10.0	9.0	14.0	20.0	26.0	28.5	30.5	32.0	29.0
21	23.0	16.0	14.0	10.0	9.0	14.5	20.5	26.0	29.0	30.0	32.0	29.5
22	23.0	16.0	14.0	10.0	9.0	14.5	20.5	25.0	29.0	30.0	31.0	30.0
23	23.0	16.0	15.0	10.0	10.0	15.0	20.5	25.0	29.0	30.0	30.0	29.0
24	23.0	16.0	15.0	10.0	10.0	15.0	20.5	25.0	30.0	30.0	31.0	29.0
25	23.0	16.0	15.0	10.0	10.0	15.0	21.0	25.0	30.0	30.5	30.0	30.0
26	23.0	16.5	15.0	10.0	10.0	17.0	21.0	24.0	30.0	---	31.0	30.0
27	23.0	16.0	15.0	10.0	10.0	17.0	21.5	24.0	30.0	---	---	29.0
28	20.0	16.0	15.0	10.0	11.5	17.0	21.5	24.0	30.0	30.5	---	29.0
29	20.0	16.0	15.0	10.0	11.5	16.0	22.0	24.0	31.0	30.5	31.0	29.0
30	20.0	15.0	14.0	9.0	---	16.0	22.0	24.0	30.0	---	31.0	26.0
31	20.0	---	14.0	8.5	---	16.0	---	24.0	---	31.0	30.5	---
MEAN	23.5	18.0	15.0	10.5	10.0	14.5	20.0	23.5	28.0	30.0	31.0	29.0

WTR YR 1988 MEAN 21.0 MAX 32.0 MIN 8.5

APPENDIX C

DISPOSAL AREA DATA

(PAGE 133 FOLLOWS)

APPENDIX C

DISPOSAL AREA DATA

DESCRIPTIONS OF WELLS

(PAGE 135 FOLLOWS)

DESCRIPTIONS OF DISPOSAL AREA WELLS

LOCAL NUMBER	OWNER	LAND NET LOCATION	DATE COMPLETED	ALTITUDE OF LAND SURFACE (FEET)	DEPTH OF WELL (FEET)	CASING DIAM-ETER (INCHES)
		TISHOMINGO COUNTY				
J071	USCE 1704-A	SENES17T05SR10E	02/13/1980	440.00	32.0	4.00
J072	USCE 1704-B	SENES17T05SR10E	02/14/1980	440.00	21.0	4.00

(PAGE 137 FOLLOWS)

APPENDIX C

DISPOSAL AREA DATA

WATER-QUALITY FIELD DETERMINATIONS

(PAGE 139 FOLLOWS)

DISPOSAL AREA WELLS

LOCAL IDENT-I-FIER	STATION NUMBER	DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)
		TISHOMINGO COUNTY					
J071 USCE 1704-A	343855088155380	03-04-88	0839	21.46	900	4.60	16.5
		08-09-88	0830	21.29	320	5.10	17.0
J072 USCE 1704-B	343855088155381	03-04-88	0916	8.67	1500	5.70	13.0
		08-09-88	0900	13.18	600	5.76	18.0

(TVA-1 FOLLOWS)

APPENDIX TVA

TENNESSEE VALLEY AUTHORITY DATA

(TVA-3 FOLLOWS)

APPENDIX TVA

TENNESSEE VALLEY AUTHORITY DATA

SURFACE-WATER CHEMISTRY

(TVA - 5 FOLLOWS)

03592824 TENN-TOM WATERWAY AT CROSS ROADS, MS

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)	TRUE COLOR
SURFACE WATER																									
04/11/88	6.9	48	0.17	0.1	0.2	0.03		< 0.01	430	< 10	97	42	3.6	3.2	8.9	16	< 10	< 10	240		1.5	14	37	9
07/06/88	10	60	0.01	0.03	0.34	< .01	<.01		350	< 10	130	8	4.9		22		10	< 10	200				75	16

343140088192235 TENN-TOM WATERWAY BAY SPRINGS LAKE NAVAGATION MILE 412.3

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)	TRUE COLOR
SURFACE WATER																								
04/11/88	3.2	34	0.13	0.03	0.06	< 0.01		< 0.01	190	< 10	7	16	2.8	2.6	15	16	< 10	< 10	90	3.7	1.6	16	49	9
06/27/88	4.1	40	0.03	0.03	0.16	< 0.01	< 0.01		70	< 10	87	< 5	3.6		16		< 10	< 10	< 50				55	8

02430005 TENN-TOM WATERWAY BL BAY SPRINGS LOCK & DAM, MS

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)	TRUE COLOR
SURFACE WATER																								
04/11/88	6.4	32	0.14	0.06	0.16	< 0.01		< 0.01	290	< 10	29	26	2.8	2.6	15	15	< 10	< 10	150	3.4	1.6	17	49	8
07/06/88	3.9	40	0.04	0.04	0.18	< 0.01	< 0.01		90	< 10	77	< 5	3.4		16		< 10	< 10	60				54	5

02430100 MACKEYS CREEK NR MOORES MILL, MS

SURFACE WATER

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)
NOT SAMPLED																							

DATE	TRUE COLOR

342201088242935 TENN-TOM WATERWAY LOCK "D" POOL SEDIMENTATION RANGE 1AD

SURFACE WATER

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)
04/11/88	5.8	30	0.13	0.07	0.18	0.03		< 0.01	290	< 10	21	< 5	2	2.1	11	10	< 10	< 10	110	2.9	1.4	12	36
07/06/88	5.2	35	0.23	0.04	0.16	< 0.01	< 0.01		180	< 10	230	12	3.2		15		< 10	< 10	70				51

DATE	TRUE COLOR
04/11/88	12
07/06/88	12

02436500 TOWN CREEK NR NETTLETON, MS

SURFACE WATER

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)
NOT SAMPLED																							

DATE	TRUE COLOR

340103088285435 TENN-TOM WATERWAY LOCK "A" POOL SEDIMENTATION RANGE 1AA

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)
04/12/88	16	10	0.12	0.07	0.22	0.03		< 0.01	2200	260	270	160	1.3	1.1	4.2	4.3	< 10	< 10	1200	1.7	1.1	8	16
07/06/88	15.7	30	0.03	0.04	0.27	0.06	< 0.01		720	< 10	180	< 5	2.8		8.8		< 10	< 10	470				33

DATE	TRUE COLOR
	75
	37

02437000 TOMBIGBEE RIVER NR AMORY, MS

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)

NOT SAMPLED

DATE	TRUE COLOR

3350080888311335 TENN-TOM WATERWAY ABERDEEN LAKE SEDIMENTATION RANGE 1A

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)
04/12/88	10	40	0.3	0.16	0.46	0.04		< 0.01	1700	250	160	32	1.9	1.6	20	17	< 10	< 10	920	3.1	1.6	13	58
07/06/88	14.4	45	0.01	0.07	0.31	0.06	< 0.01		840	< 10	230	9	2.7		17		< 10	< 10	540				54

DATE	TRUE COLOR
	75
	23

02437101 TENN-TOM WATERWAY BL ABERDEEN LOCK & DAM

SURFACE WATER

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)	TRUE COLOR
04/12/88	8	42	0.14	0.09	0.37	0.06		< 0.01	1600	150	150	47	1.8	1.5	19	19	< 10	< 10	830	3	1.5	12	55	40
06/28/88	20	45	10	0.1	0.91	0.07	< 0.01		1200	< 10	300	< 5	2.8		17		< 10	< 10	770				54	36

334219088281935 TTW COLUMBUS LAKE MCKINLEY CREEK BEND SR 50A*

SURFACE WATER

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)	TRUE COLOR
04/12/88	7	32	0.21	0.09	0.51	0.06		< 0.01	1800	180	260	120	2.1	1.9	41	39	< 10	< 10	400	21	1.5	31	111	50
06/29/88	6.9	40	0.05	0.01	0.53	0.01	< 0.01		260	< 10	69	17	3.5		130		< 10	< 10	160				339	18

CHLORIDE DATA NOT INCLUDED

02439600 BUTTAHATCHEE RIVER NR KOLOLA SPRINGS, MS

SURFACE WATER

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)	TRUE COLOR

NOT SAMPLED

333927088304935 TENN-TOM WATERWAY COLUMBUS LAKE BUTTAHATCHEE R BENDWAY 26A

SURFACE WATER

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)
04/12/88	12	44	0.15	0.1	0.56	0.06		< 0.01	1700	110	140	< 5	1.8	1.5	21	19	10	< 10	860	4.8	2.5	16	60
06/29/88	17.8	70	0.79	0.07	0.53	0.05	< 0.01		850	< 10	280	22	2.8		26		< 10	< 10	570				76

DATE	TRUE COLOR
	80
	26

02441000 TIBBEE CREEK NR TIBBEE, MS

SURFACE WATER

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)
NOT SAMPLED																							

DATE	TRUE COLOR

3331190882914 TENN-TOM WATERWAY COLUMBUS LAKE SEDIMENTATION RANGE 1A

SURFACE WATER

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)
04/12/88	10	38	0.2	0.07	0.53	0.06		< 0.01	1600	150	110	< 5	1.7	1.5	20	30	< 10	60	870	3.8	1.6	13	57
06/29/88	13.3	45	0.01	0.02	0.44	0.06	< 0.01		530	< 10	230	< 5	2.5		26		< 10	< 10	280				75

DATE	TRUE COLOR
	60
	12

02441391 TOMBIGBEE RIVER BL COLUMBUS LOCK & DAM, MS

SURFACE WATER

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)	TRUE COLOR
04/20/88	5	30	0.11	0.02	0.46	0.06		< 0.01	1400	< 10	130	< 5	1.6	1.3	7.2	14	< 10	< 10	450	3.2	1.4	12	25	38
07/25/88	6	55	0.03	0.08	0.32	0.01	< 0.01		450	< 10	140	< 5	2.1		24		< 10	< 10	350				69	6

02441498 TOMBIGBEE RIVER COLUMBUS BEND SR 11B AT COLUMBUS, MS

SURFACE WATER

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)	TRUE COLOR
04/20/88	10	34	0.14	0.03	0.44	0.06		< 0.01	1300	< 10	130	< 5	1.7	1.5	8.6	16	< 10	< 10	420	3.6	1.5	12	28	38
07/25/88	4.6	45	1.3	0.03	0.4	0.02	< 0.01		260	< 10	120	< 5	2.3		25		< 10	< 10	210				72	6

02443500 LUXAPALLILA CREEK NR COLUMBUS, MS

SURFACE WATER

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)	TRUE COLOR

NOT SAMPLED

02443610 TOMBIGBEE RIVER AT PRATT CAMP SR 5HB BL COLUMBUS, MS

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)	TRUE COLOR
04/20/88	9	44	0.05	0.03	0.48	0.05		< 0.01	970	< 10	130	< 5	1.9	1.4	11	19	< 10	< 10	190	4.1	1.8	14	35	37
07/25/88	13	45	0.01	0.02	0.12	< 0.01	< 0.01		580	< 10	140	67	2		23		< 10	< 10	360				66	7

02444158 TOMBIGBEE RIVER AB ALICEVILLE LOCK & DAM, AL

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)	TRUE COLOR
04/20/88	8	38	0.09	0.03	0.46	0.05		< 0.01	1400	80	130	< 5	1.8	1.4	8.6	16	< 10	< 10	460	3.9	1.7	13	29	48
07/25/88	5.3	50	0.01	0.04	0.48	0.03	< 0.01		480	< 10	160	< 5	2		23		< 10	< 10	340				66	6

02444161 TOMBIGBEE RIVER BL ALICEVILLE LOCK & DAM, AL

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)	TRUE COLOR
04/20/88	7	38	0.07	0.03	0.44	0.06		< 0.01	1300	90	150	< 5	1.8	1.4	9.1	17	< 10	< 10	310	3.9	1.8	13	30	37
07/25/88	3.4	50	0.01	0.07	0.43	0.04	< 0.01		550	< 10	190	< 5	2.1		23		< 10	< 10	970				66	6

02444210 TOMBIGBEE RIVER BIG CREEK BEND NR PICKENSVILLE, AL

SURFACE WATER

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)
04/20/88	6.3	14	0.1	0.05	0.3	0.06		< 0.01	1900	< 10	240	120	1.8	1.4	2.2	4.4	< 10	< 10	210	2.1	1.2	9	13
07/25/88	13.7	40	< 0.01	0.06	0.82	0.1	0.01		1700	90	390	< 5	2		8.3		< 10	< 10	630				29

DATE	TRUE COLOR
	38
	7

02446500 SIPSEY RIVER NR ELROD, AL

SURFACE WATER

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)

NOT SAMPLED

DATE	TRUE COLOR

02447010 TOMBIGBEE RIVER AT COOKS BENDWAY NR WARSAW, AL

SURFACE WATER

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)
04/20/88	11	40	0.08	0.02	0.48	0.08		< 0.01	1500	140	170	16	2	1.6	9.2	19	< 10	10	620	3.3	1.6	12	31
07/25/88	4.4	50	0.01	0.08	0.5	0.02	< 0.01		320	< 10	110	< 5	2.3		21		< 10	< 10	230				62

DATE	TRUE COLOR
	43
	7

02447020 TOMBIGBEE RIVER AB GAINESVILLE LOCK & DAM, AL

SURFACE WATER

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)	TRUE COLOR
04/20/88	11	42	0.21	0.02	0.48	0.08		< 0.01	2100	10	150	< 5	2	1.5	9.8	18	< 10	< 10	930	3.3	1.8	14	33	50
07/25/88	5.6	55	0.02	0.06	0.41	0.03	< 0.01		380	< 10	120	< 5	2.1		21		< 10	< 10	300				61	8

02448500 NOXUBEE RIVER NR GEIGER, AL

SURFACE WATER

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)	TRUE COLOR
NOT SAMPLED																								

02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL

SURFACE WATER

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)	TRUE COLOR
04/20/88	24	44	0.19	0.03	0.58	13		< 0.01	3200	10	190	< 5	2.3	1.5	10	18	< 10	< 10	2000	3.4	2	14	34	80
07/25/88	32	75	0.3	0.12	0.72	0.15	0.03		3200	< 10	63	< 5	1.9		32		< 10	< 10	3500				88	34

02466998 TOMBIGBEE RIVER AB DEMOPOLIS LOCK & DAM, AL

SURFACE WATER

DATE	TURBIDITY (NTU)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	IRON, TOTAL (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MAGNESIUM TOTAL (MG/L AS MG)	MAGNESIUM DISSOLVED (MG/L AS MG)	CALCIUM TOTAL (MG/L AS CA)	CALCIUM DISSOLVED (MG/L AS CA)	ZINC TOTAL (UG/L AS ZN)	COPPER TOTAL (UG/L AS CU)	ALUMINUM TOTAL (UG/L AS AL)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS K)	CA AND MG HARDNESS CALC. (MG/L)
04/20/88	11	36	0.3	0.03	0.34	0.09		< 0.01	1300	< 10	140	< 5	4.6	3.8	8.5	15	< 10	30	620	6	1.8	32	40
07/25/88	10.2	50	0.13	0.05	0.37	0.03	< 0.01		610	< 10	65	< 5	5.4		22		< 10	< 10	610				77

DATE	TRUE COLOR
	31
	7

APPENDIX TVA

TENNESSEE VALLEY AUTHORITY DATA

GROUND-WATER CHEMISTRY

(TVA - 17 FOLLOWS)

343855088155380 DISPOSAL AREA WELL USCE 1704-A

GROUND WATER

DATE	DEPTH	TRUE COLOR	TOTAL ALKALINITY (MG/L)	DISSOLVED NO3 + NO2 (MG/L)	DISSOLVED CALCIUM (MG/L)	DISSOLVED MAGNESIUM (MG/L)	DISSOLVED SODIUM (MG/L)	DISSOLVED POTASSIUM (MG/L)	DISSOLVED SULFATE (MG/L)	DISSOLVED IRON (UG/L)	DISSOLVED MANGANESE (UG/L)
03/07/88	0	90	29	0.01	21.4	10	10	2.2	110	18000	2000

343855088155381 DISPOSAL AREA WELL USCE 1704-B

GROUND WATER

DATE	DEPTH	TRUE COLOR	TOTAL ALKALINITY (MG/L)	DISSOLVED NO3 + NO2 (MG/L)	DISSOLVED CALCIUM (MG/L)	DISSOLVED MAGNESIUM (MG/L)	DISSOLVED SODIUM (MG/L)	DISSOLVED POTASSIUM (MG/L)	DISSOLVED SULFATE (MG/L)	DISSOLVED IRON (UG/L)	DISSOLVED MANGANESE (UG/L)
03/07/88	0	14	58	0.01	82	20.3	9	7.4	270	30000	3500

(TVA-19 FOLLOWS)

APPENDIX TVA

TENNESSEE VALLEY AUTHORITY DATA

SEDIMENT CHEMISTRY

(TVA-21 FOLLOWS)

3592824 TENN-TOM WATERWAY AT CROSS ROADS, MS

SEDIMENT DATE	ARSENIC (MG/KG)	CADMIUM (MG/KG)	CHROMIUM (MG/KG)	COBALT (MG/KG)	COPPER (MG/KG)	LEAD (MG/KG)	ZINC (MG/KG)	P,P'DDT (UG/KG)	P,P'DDD (UG/KG)	P,P'DDE (UG/KG)	ALDRIN (UG/KG)	GAMMA BHC (UG/KG)	ALPHA BHC (UG/KG)	BETA BHC (UG/KG)	DELTA BHC (UG/KG)	CHLOR-DANE (UG/KG)	DIELDRIN (UG/KG)	ENDRIN (UG/KG)	ENDRIN ALDEHYDE (UG/KG)	TOXA-PHENE (UG/KG)	HEPTA-CHLOR (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/KG)
06/27/88	3.5	< 0.1	20	5	2	12	56	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 500	< 10	< 10

METHOXY-CHLOR (UG/KG)	2,4-D (UG/KG)	PCB-1254 (UG/KG)	PCB-1260 (UG/KG)	PCB-1242 (UG/KG)	PCB-1221 (UG/KG)	PCB-1232 (UG/KG)	PCB-1248 (UG/KG)	PCB-1016 (UG/KG)	ALPHA-ENDO-SULFAN (UG/KG)	BETA-ENDO-SULFAN (UG/KG)	ENDO-SULFAN SULFATE (UG/KG)	MERCURY (MG/KG)	SEDIMENT % FINER THAN 2.0 MM	SEDIMENT % FINER THAN 0.5 MM	SEDIMENT % FINER THAN 0.125 MM	SEDIMENT % FINER THAN 0.063 MM
< 10	< 1	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 10	< 10	< 10	< 0.1	99.6	98.9	70.7	55.5

343140088192235 TENN-TOM WATERWAY BAY SPRINGS LAKE NAVIGATION MILE 412.3

SEDIMENT DATE	ARSENIC (MG/KG)	CADMIUM (MG/KG)	CHROMIUM (MG/KG)	COBALT (MG/KG)	COPPER (MG/KG)	LEAD (MG/KG)	ZINC (MG/KG)	P,P'DDT (UG/KG)	P,P'DDD (UG/KG)	P,P'DDE (UG/KG)	ALDRIN (UG/KG)	GAMMA BHC (UG/KG)	ALPHA BHC (UG/KG)	BETA BHC (UG/KG)	DELTA BHC (UG/KG)	CHLOR-DANE (UG/KG)	DIELDRIN (UG/KG)	ENDRIN (UG/KG)	ENDRIN ALDEHYDE (UG/KG)	TOXA-PHENE (UG/KG)	HEPTA-CHLOR (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/KG)
06/27/88	2.4	< 0.1	16	5	1	13	24	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 500	< 10	< 10

METHOXY-CHLOR (UG/KG)	2,4-D (UG/KG)	PCB-1254 (UG/KG)	PCB-1260 (UG/KG)	PCB-1242 (UG/KG)	PCB-1221 (UG/KG)	PCB-1232 (UG/KG)	PCB-1248 (UG/KG)	PCB-1016 (UG/KG)	ALPHA-ENDO-SULFAN (UG/KG)	BETA-ENDO-SULFAN (UG/KG)	ENDO-SULFAN SULFATE (UG/KG)	MERCURY (MG/KG)	SEDIMENT % FINER THAN 2.0 MM	SEDIMENT % FINER THAN 0.5 MM	SEDIMENT % FINER THAN 0.125 MM	SEDIMENT % FINER THAN 0.063 MM
< 10	< 1	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 10	< 10	< 10	< 0.1	99.4	97.6	51.6	43.2

02430005 TENN-TOM WATERWAY BELOW BAY SPRINGS LAKE LOCK AND DAM, MS

SEDIMENT DATE	ARSENIC (MG/KG)	CADMIUM (MG/KG)	CHROMIUM (MG/KG)	COBALT (MG/KG)	COPPER (MG/KG)	LEAD (MG/KG)	ZINC (MG/KG)	P,P'DDT (UG/KG)	P,P'DDD (UG/KG)	P,P'DDE (UG/KG)	ALDRIN (UG/KG)	GAMMA BHC (UG/KG)	ALPHA BHC (UG/KG)	BETA BHC (UG/KG)	DELTA BHC (UG/KG)	CHLOR-DANE (UG/KG)	DIELDRIN (UG/KG)	ENDRIN (UG/KG)	ENDRIN ALDEHYDE (UG/KG)	TOXA-PHENE (UG/KG)	HEPTA-CHLOR (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/KG)
06/27/88																						

METHOXY-CHLOR (UG/KG)	2,4-D (UG/KG)	PCB-1254 (UG/KG)	PCB-1260 (UG/KG)	PCB-1242 (UG/KG)	PCB-1221 (UG/KG)	PCB-1232 (UG/KG)	PCB-1248 (UG/KG)	PCB-1016 (UG/KG)	ALPHA-ENDO-SULFAN (UG/KG)	BETA-ENDO-SULFAN (UG/KG)	ENDO-SULFAN SULFATE (UG/KG)	MERCURY (MG/KG)	SEDIMENT % FINER THAN 2.0 MM	SEDIMENT % FINER THAN 0.5 MM	SEDIMENT % FINER THAN 0.125 MM	SEDIMENT % FINER THAN 0.063 MM
													99.9	83.6	16.6	12.4

342201088242935 TENN-TOM WATERWAY LOCK "D" POOL SEDIMENTATION RANGE 1AD

SEDIMENT DATE	ARSENIC (MG/KG)	CADMIUM (MG/KG)	CHROMIUM (MG/KG)	COBALT (MG/KG)	COPPER (MG/KG)	LEAD (MG/KG)	ZINC (MG/KG)	P,P'DDT (UG/KG)	P,P'DDD (UG/KG)	P,P'DDE (UG/KG)	ALDRIN (UG/KG)	GAMMA BHC (UG/KG)	ALPHA BHC (UG/KG)	BETA BHC (UG/KG)	DELTA BHC (UG/KG)	CHLOR-DANE (UG/KG)	DIELDRIN (UG/KG)	ENDRIN (UG/KG)	ENDRIN ALDEHYDE (UG/KG)	TOXA-PHENE (UG/KG)	HEPTA-CHLOR (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/KG)
06/27/88	0.63	1.1	8	< 5	< 1	8	10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 500	< 10	< 10

METHOXY-CHLOR (UG/KG)	2,4-D (UG/KG)	PCB-1254 (UG/KG)	PCB-1260 (UG/KG)	PCB-1242 (UG/KG)	PCB-1221 (UG/KG)	PCB-1232 (UG/KG)	PCB-1248 (UG/KG)	PCB-1016 (UG/KG)	ALPHA-ENDO-SULFAN (UG/KG)	BETA-ENDO-SULFAN (UG/KG)	ENDO-SULFAN SULFATE (UG/KG)	MERCURY (MG/KG)	SEDIMENT % FINER THAN 2.0 MM	SEDIMENT % FINER THAN 0.5 MM	SEDIMENT % FINER THAN 0.125 MM	SEDIMENT % FINER THAN 0.063 MM
< 10	< 1	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 10	< 10	< 10	< 0.01	98.8	59.1	15	11.2

340103088285435 TENN-TOM WATERWAY LOCK "A" POOL SEDIMENTATION RANGE 1AA

SEDIMENT DATE	ARSENIC (MG/KG)	CADMIUM (MG/KG)	CHROMIUM (MG/KG)	COBALT (MG/KG)	COPPER (MG/KG)	LEAD (MG/KG)	ZINC (MG/KG)	P,P'DDT (UG/KG)	P,P'DDD (UG/KG)	P,P'DDE (UG/KG)	ALDRIN (UG/KG)	GAMMA BHC (UG/KG)	ALPHA BHC (UG/KG)	BETA BHC (UG/KG)	DELTA BHC (UG/KG)	CHLOR-DANE (UG/KG)	DIELDRIN (UG/KG)	ENDRIN (UG/KG)	ENDRIN ALDEHYDE (UG/KG)	TOXA-PHENE (UG/KG)	HEPTA-CHLOR (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/KG)
06/28/88	1.2	< 0.1	14	< 5	< 1	13	20	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 500	< 10	< 10

METHOXY-CHLOR (UG/KG)	2,4-D (UG/KG)	PCB-1254 (UG/KG)	PCB-1260 (UG/KG)	PCB-1242 (UG/KG)	PCB-1221 (UG/KG)	PCB-1232 (UG/KG)	PCB-1248 (UG/KG)	PCB-1016 (UG/KG)	ALPHA-ENDO-SULFAN (UG/KG)	BETA-ENDO-SULFAN (UG/KG)	ENDO-SULFAN SULFATE (UG/KG)	MERCURY (MG/KG)	SEDIMENT % FINER THAN 2.0 MM	SEDIMENT % FINER THAN 0.5 MM	SEDIMENT % FINER THAN 0.125 MM	SEDIMENT % FINER THAN 0.063 MM
< 10	33	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 10	< 10	< 10	< 0.1	96.8	69.5	37.7	28.4

02430100 MACKEYS CREEK NEAR MOORES MILL, MS

SEDIMENT DATE	ARSENIC (MG/KG)	CADMIUM (MG/KG)	CHROMIUM (MG/KG)	COBALT (MG/KG)	COPPER (MG/KG)	LEAD (MG/KG)	ZINC (MG/KG)	P,P'DDT (UG/KG)	P,P'DDD (UG/KG)	P,P'DDE (UG/KG)	ALDRIN (UG/KG)	GAMMA BHC (UG/KG)	ALPHA BHC (UG/KG)	BETA BHC (UG/KG)	DELTA BHC (UG/KG)	CHLOR-DANE (UG/KG)	DIELDRIN (UG/KG)	ENDRIN (UG/KG)	ENDRIN ALDEHYDE (UG/KG)	TOXA-PHENE (UG/KG)	HEPTA-CHLOR (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/KG)
06/27/88																						

METHOXY-CHLOR (UG/KG)	2,4-D (UG/KG)	PCB-1254 (UG/KG)	PCB-1260 (UG/KG)	PCB-1242 (UG/KG)	PCB-1221 (UG/KG)	PCB-1232 (UG/KG)	PCB-1248 (UG/KG)	PCB-1016 (UG/KG)	ALPHA-ENDO-SULFAN (UG/KG)	BETA-ENDO-SULFAN (UG/KG)	ENDO-SULFAN SULFATE (UG/KG)	MERCURY (MG/KG)	SEDIMENT % FINER THAN 2.0 MM	SEDIMENT % FINER THAN 0.5 MM	SEDIMENT % FINER THAN 0.125 MM	SEDIMENT % FINER THAN 0.063 MM
													60.2	58.4	10.7	6.1

02436500 TOWN CREEK NEAR NETTLETON, MS

SEDIMENT DATE	ARSENIC (MG/KG)	CADMIUM (MG/KG)	CHROMIUM (MG/KG)	COBALT (MG/KG)	COPPER (MG/KG)	LEAD (MG/KG)	ZINC (MG/KG)	P,P'DDT (UG/KG)	P,P'DDD (UG/KG)	P,P'DDE (UG/KG)	ALDRIN (UG/KG)	GAMMA BHC (UG/KG)	ALPHA BHC (UG/KG)	BETA BHC (UG/KG)	DELTA BHC (UG/KG)	CHLOR-DANE (UG/KG)	DIELDRIN (UG/KG)	ENDRIN (UG/KG)	ENDRIN ALDEHYDE (UG/KG)	TOXA-PHENE (UG/KG)	HEPTA-CHLOR (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/KG)
06/28/88																						

METHOXY-CHLOR (UG/KG)	2,4-D (UG/KG)	PCB-1254 (UG/KG)	PCB-1260 (UG/KG)	PCB-1242 (UG/KG)	PCB-1221 (UG/KG)	PCB-1232 (UG/KG)	PCB-1248 (UG/KG)	PCB-1016 (UG/KG)	ALPHA-ENDO-SULFAN (UG/KG)	BETA-ENDO-SULFAN (UG/KG)	ENDO-SULFAN SULFATE (UG/KG)	MERCURY (MG/KG)	SEDIMENT % FINER THAN 2.0 MM	SEDIMENT % FINER THAN 0.5 MM	SEDIMENT % FINER THAN 0.125 MM	SEDIMENT % FINER THAN 0.063 MM
													99.6	53.6	3.9	1.9

02437000 TOMBIGBEE RIVER NEAR AMORY, MS

SEDIMENT DATE	ARSENIC (MG/KG)	CADMIUM (MG/KG)	CHROMIUM (MG/KG)	COBALT (MG/KG)	COPPER (MG/KG)	LEAD (MG/KG)	ZINC (MG/KG)	P,P'DDT (UG/KG)	P,P'DDD (UG/KG)	P,P'DDE (UG/KG)	ALDRIN (UG/KG)	GAMMA BHC (UG/KG)	ALPHA BHC (UG/KG)	BETA BHC (UG/KG)	DELTA BHC (UG/KG)	CHLOR-DANE (UG/KG)	DIELDRIN (UG/KG)	ENDRIN (UG/KG)	ENDRIN ALDEHYDE (UG/KG)	TOXA-PHENE (UG/KG)	HEPTA-CHLOR (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/KG)
06/28/88																						

METHOXY-CHLOR (UG/KG)	2,4-D (UG/KG)	PCB-1254 (UG/KG)	PCB-1260 (UG/KG)	PCB-1242 (UG/KG)	PCB-1221 (UG/KG)	PCB-1232 (UG/KG)	PCB-1248 (UG/KG)	PCB-1016 (UG/KG)	ALPHA-ENDO-SULFAN (UG/KG)	BETA-ENDO-SULFAN (UG/KG)	ENDO-SULFAN SULFATE (UG/KG)	MERCURY (MG/KG)	SEDIMENT % FINER THAN 2.0 MM	SEDIMENT % FINER THAN 0.5 MM	SEDIMENT % FINER THAN 0.125 MM	SEDIMENT % FINER THAN 0.063 MM
													99.2	80.8	18.1	14.2

335008088311335 TENN-TOM WATERWAY ABERDEEN LAKE SEDIMENTATION RANGE 1A

SEDIMENT DATE	ARSENIC (MG/KG)	CADMIUM (MG/KG)	CHROMIUM (MG/KG)	COBALT (MG/KG)	COPPER (MG/KG)	LEAD (MG/KG)	ZINC (MG/KG)	P,P'DDT (UG/KG)	P,P'DDD (UG/KG)	P,P'DDE (UG/KG)	ALDRIN (UG/KG)	GAMMA BHC (UG/KG)	ALPHA BHC (UG/KG)	BETA BHC (UG/KG)	DELTA BHC (UG/KG)	CHLOR-DANE (UG/KG)	DIELDRIN (UG/KG)	ENDRIN (UG/KG)	ENDRIN ALDEHYDE (UG/KG)	TOXA-PHENE (UG/KG)	HEPTA-CHLOR (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/KG)
06/28/88	3.9	< 0.1	28	< 5	1	15	37	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 500	< 10	< 10

METHOXY-CHLOR (UG/KG)	2,4-D (UG/KG)	PCB-1254 (UG/KG)	PCB-1260 (UG/KG)	PCB-1242 (UG/KG)	PCB-1221 (UG/KG)	PCB-1232 (UG/KG)	PCB-1248 (UG/KG)	PCB-1016 (UG/KG)	ALPHA-ENDO-SULFAN (UG/KG)	BETA-ENDO-SULFAN (UG/KG)	ENDO-SULFAN SULFATE (UG/KG)	MERCURY (MG/KG)	SEDIMENT % FINER THAN 2.0 MM	SEDIMENT % FINER THAN 0.5 MM	SEDIMENT % FINER THAN 0.125 MM	SEDIMENT % FINER THAN 0.063 MM
< 10	< 1	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 10	< 10	< 10	< 0.1	95.3	72.9	45.4	41.4

02437101 TOMBIGBEE RIVER BELOW ABERDEEN LOCK AND DAM, MS

SEDIMENT DATE	ARSENIC (MG/KG)	CADMIUM (MG/KG)	CHROMIUM (MG/KG)	COBALT (MG/KG)	COPPER (MG/KG)	LEAD (MG/KG)	ZINC (MG/KG)	P,P'DDT (UG/KG)	P,P'DDD (UG/KG)	P,P'DDE (UG/KG)	ALDRIN (UG/KG)	GAMMA BHC (UG/KG)	ALPHA BHC (UG/KG)	BETA BHC (UG/KG)	DELTA BHC (UG/KG)	CHLORDANE (UG/KG)	DIELDRIN (UG/KG)	ENDRIN (UG/KG)	ENDRIN ALDEHYDE (UG/KG)	TOXAPHENE (UG/KG)	HEPTACHLOR (UG/KG)	HEPTACHLOR EPOXIDE (UG/KG)
06/28/88																						

METHOXYCHLOR (UG/KG)	2,4-D (UG/KG)	PCB-1254 (UG/KG)	PCB-1260 (UG/KG)	PCB-1242 (UG/KG)	PCB-1221 (UG/KG)	PCB-1232 (UG/KG)	PCB-1248 (UG/KG)	PCB-1016 (UG/KG)	ALPHA-ENDOSULFAN (UG/KG)	BETA-ENDOSULFAN (UG/KG)	ENDOSULFAN SULFATE (UG/KG)	MERCURY (MG/KG)	SEDIMENT % FINER THAN 2.0 MM	SEDIMENT % FINER THAN 0.5 MM	SEDIMENT % FINER THAN 0.125 MM	SEDIMENT % FINER THAN 0.063 MM
													93.4	57.3	8.4	7.3

334219088281935 TTW COLUMBUS LAKE MCKINLEY CREEK BEND SR 50A

SEDIMENT DATE	ARSENIC (MG/KG)	CADMIUM (MG/KG)	CHROMIUM (MG/KG)	COBALT (MG/KG)	COPPER (MG/KG)	LEAD (MG/KG)	ZINC (MG/KG)	P,P'DDT (UG/KG)	P,P'DDD (UG/KG)	P,P'DDE (UG/KG)	ALDRIN (UG/KG)	GAMMA BHC (UG/KG)	ALPHA BHC (UG/KG)	BETA BHC (UG/KG)	DELTA BHC (UG/KG)	CHLORDANE (UG/KG)	DIELDRIN (UG/KG)	ENDRIN (UG/KG)	ENDRIN ALDEHYDE (UG/KG)	TOXAPHENE (UG/KG)	HEPTACHLOR (UG/KG)	HEPTACHLOR EPOXIDE (UG/KG)
06/29/88	4.8	< 0.1	30	6	10	11	46	< 10	< 10	< 10	< 10	10	< 10	< 10	< 10	10	< 10	< 10	< 10	< 500	< 10	< 10
DUPLICATE	4.6	< 0.1	29	6	< 1	12	41	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 500	< 10	< 10

METHOXYCHLOR (UG/KG)	2,4-D (UG/KG)	PCB-1254 (UG/KG)	PCB-1260 (UG/KG)	PCB-1242 (UG/KG)	PCB-1221 (UG/KG)	PCB-1232 (UG/KG)	PCB-1248 (UG/KG)	PCB-1016 (UG/KG)	ALPHA-ENDOSULFAN (UG/KG)	BETA-ENDOSULFAN (UG/KG)	ENDOSULFAN SULFATE (UG/KG)	MERCURY (MG/KG)	SEDIMENT % FINER THAN 2.0 MM	SEDIMENT % FINER THAN 0.5 MM	SEDIMENT % FINER THAN 0.125 MM	SEDIMENT % FINER THAN 0.063 MM
< 10	< 1	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 10	< 10	< 10	< 0.1	99.8	87.3	56.8	47.6
< 10	< 1	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 10	< 10	< 10	< 0.1	99.4	99	56.6	48.2

333927088304935 TTW COLUMBUS LAKE BUTTAHATCHEE RIVER BEND SR 26A

SEDIMENT DATE	ARSENIC (MG/KG)	CADMIUM (MG/KG)	CHROMIUM (MG/KG)	COBALT (MG/KG)	COPPER (MG/KG)	LEAD (MG/KG)	ZINC (MG/KG)	P,P'DDT (UG/KG)	P,P'DDD (UG/KG)	P,P'DDE (UG/KG)	ALDRIN (UG/KG)	GAMMA BHC (UG/KG)	ALPHA BHC (UG/KG)	BETA BHC (UG/KG)	DELTA BHC (UG/KG)	CHLORDANE (UG/KG)	DIELDRIN (UG/KG)	ENDRIN (UG/KG)	ENDRIN ALDEHYDE (UG/KG)	TOXAPHENE (UG/KG)	HEPTACHLOR (UG/KG)	HEPTACHLOR EPOXIDE (UG/KG)
06/29/88	3.1	< 0.1	29	6	< 1	13	42	< 10	< 10	< 10	< 10	< 10	< 10	10	< 10	< 10	< 10	< 10	< 10	< 500	< 10	< 10

METHOXYCHLOR (UG/KG)	2,4-D (UG/KG)	PCB-1254 (UG/KG)	PCB-1260 (UG/KG)	PCB-1242 (UG/KG)	PCB-1221 (UG/KG)	PCB-1232 (UG/KG)	PCB-1248 (UG/KG)	PCB-1016 (UG/KG)	ALPHA-ENDOSULFAN (UG/KG)	BETA-ENDOSULFAN (UG/KG)	ENDOSULFAN SULFATE (UG/KG)	MERCURY (MG/KG)	SEDIMENT % FINER THAN 2.0 MM	SEDIMENT % FINER THAN 0.5 MM	SEDIMENT % FINER THAN 0.125 MM	SEDIMENT % FINER THAN 0.063 MM
< 10	< 1	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 10	< 10	< 10	< 0.1	99.9	84.5	44.2	33.7

02439600 BUTTAHATCHEE RIVER NEAR KOSCIUSKO SPRINGS, MS

SEDIMENT

DATE	ARSENIC (MG/KG)	CADMIUM (MG/KG)	CHROMIUM (MG/KG)	COBALT (MG/KG)	COPPER (MG/KG)	LEAD (MG/KG)	ZINC (MG/KG)	P,P'DDT (UG/KG)	P,P'DDD (UG/KG)	P,P'DDE (UG/KG)	ALDRIN (UG/KG)	GAMMA BHC (UG/KG)	ALPHA BHC (UG/KG)	BETA BHC (UG/KG)	DELTA BHC (UG/KG)	CHLOR-DANE (UG/KG)	DIELDRIN (UG/KG)	ENDRIN (UG/KG)	ENDRIN ALDEHYDE (UG/KG)	TOXA-PHENE (UG/KG)	HEPTA-CHLOR (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/KG)
06/29/88																						

METHOXY-CHLOR (UG/KG)	2,4-D (UG/KG)	PCB-1254 (UG/KG)	PCB-1260 (UG/KG)	PCB-1242 (UG/KG)	PCB-1221 (UG/KG)	PCB-1232 (UG/KG)	PCB-1248 (UG/KG)	PCB-1016 (UG/KG)	ALPHA-ENDO-SULFAN (UG/KG)	BETA-ENDO-SULFAN (UG/KG)	ENDO-SULFAN SULFATE (UG/KG)	MERCURY (MG/KG)	SEDIMENT % FINER THAN 2.0 MM	SEDIMENT % FINER THAN 0.5 MM	SEDIMENT % FINER THAN 0.125 MM	SEDIMENT % FINER THAN 0.063 MM
													71.4	65.2	7.4	4.5

02441000 TIBBEE CREEK NEAR TIBBEE, MS

SEDIMENT

DATE	ARSENIC (MG/KG)	CADMIUM (MG/KG)	CHROMIUM (MG/KG)	COBALT (MG/KG)	COPPER (MG/KG)	LEAD (MG/KG)	ZINC (MG/KG)	P,P'DDT (UG/KG)	P,P'DDD (UG/KG)	P,P'DDE (UG/KG)	ALDRIN (UG/KG)	GAMMA BHC (UG/KG)	ALPHA BHC (UG/KG)	BETA BHC (UG/KG)	DELTA BHC (UG/KG)	CHLOR-DANE (UG/KG)	DIELDRIN (UG/KG)	ENDRIN (UG/KG)	ENDRIN ALDEHYDE (UG/KG)	TOXA-PHENE (UG/KG)	HEPTA-CHLOR (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/KG)
06/29/88																						

METHOXY-CHLOR (UG/KG)	2,4-D (UG/KG)	PCB-1254 (UG/KG)	PCB-1260 (UG/KG)	PCB-1242 (UG/KG)	PCB-1221 (UG/KG)	PCB-1232 (UG/KG)	PCB-1248 (UG/KG)	PCB-1016 (UG/KG)	ALPHA-ENDO-SULFAN (UG/KG)	BETA-ENDO-SULFAN (UG/KG)	ENDO-SULFAN SULFATE (UG/KG)	MERCURY (MG/KG)	SEDIMENT % FINER THAN 2.0 MM	SEDIMENT % FINER THAN 0.5 MM	SEDIMENT % FINER THAN 0.125 MM	SEDIMENT % FINER THAN 0.063 MM
													99.6	96.8	86.5	82.3

333119088291435 TTW COLUMBUS LAKE SEDIMENTATION RANGE 1A

SEDIMENT

DATE	ARSENIC (MG/KG)	CADMIUM (MG/KG)	CHROMIUM (MG/KG)	COBALT (MG/KG)	COPPER (MG/KG)	LEAD (MG/KG)	ZINC (MG/KG)	P,P'DDT (UG/KG)	P,P'DDD (UG/KG)	P,P'DDE (UG/KG)	ALDRIN (UG/KG)	GAMMA BHC (UG/KG)	ALPHA BHC (UG/KG)	BETA BHC (UG/KG)	DELTA BHC (UG/KG)	CHLOR-DANE (UG/KG)	DIELDRIN (UG/KG)	ENDRIN (UG/KG)	ENDRIN ALDEHYDE (UG/KG)	TOXA-PHENE (UG/KG)	HEPTA-CHLOR (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/KG)
06/29/88	4.9	< 0.1	50	8	1	24	67	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 500	< 10	< 10

METHOXY-CHLOR (UG/KG)	2,4-D (UG/KG)	PCB-1254 (UG/KG)	PCB-1260 (UG/KG)	PCB-1242 (UG/KG)	PCB-1221 (UG/KG)	PCB-1232 (UG/KG)	PCB-1248 (UG/KG)	PCB-1016 (UG/KG)	ALPHA-ENDO-SULFAN (UG/KG)	BETA-ENDO-SULFAN (UG/KG)	ENDO-SULFAN SULFATE (UG/KG)	MERCURY (MG/KG)	SEDIMENT % FINER THAN 2.0 MM	SEDIMENT % FINER THAN 0.5 MM	SEDIMENT % FINER THAN 0.125 MM	SEDIMENT % FINER THAN 0.063 MM
< 10	< 1	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 10	< 10	< 10	< 0.1	99.8	99.6	83.5	79.4

02441391 TOMBIGBEE RIVER BELOW COLUMBUS LOCK AND DAM, MS

SEDIMENT DATE	ARSENIC (MG/KG)	CADMIUM (MG/KG)	CHROMIUM (MG/KG)	COBALT (MG/KG)	COPPER (MG/KG)	LEAD (MG/KG)	ZINC (MG/KG)	P,P'DDT (UG/KG)	P,P'DDD (UG/KG)	P,P'DDE (UG/KG)	ALDRIN (UG/KG)	GAMMA BHC (UG/KG)	ALPHA BHC (UG/KG)	BETA BHC (UG/KG)	DELTA BHC (UG/KG)	CHLORDANE (UG/KG)	DIELDRIN (UG/KG)	ENDRIN (UG/KG)	ENDRIN ALDEHYDE (UG/KG)	TOXAPHENE (UG/KG)	HEPTACHLOR (UG/KG)	HEPTACHLOR EPOXIDE (UG/KG)
07/25/88																						

METHOXYCHLOR (UG/KG)	2,4-D (UG/KG)	PCB-1254 (UG/KG)	PCB-1260 (UG/KG)	PCB-1242 (UG/KG)	PCB-1221 (UG/KG)	PCB-1232 (UG/KG)	PCB-1248 (UG/KG)	PCB-1016 (UG/KG)	ALPHA-ENDOSULFAN (UG/KG)	BETA-ENDOSULFAN (UG/KG)	ENDOSULFAN SULFATE (UG/KG)	MERCURY (MG/KG)	SEDIMENT % FINER THAN 2.0 MM	SEDIMENT % FINER THAN 0.5 MM	SEDIMENT % FINER THAN 0.125 MM	SEDIMENT % FINER THAN 0.063 MM
													98.1	92.4	11	6.8

02441498 TOMBIGBEE RIVER (COL. BEND. 11B) AT COLUMBUS, MS

SEDIMENT DATE	ARSENIC (MG/KG)	CADMIUM (MG/KG)	CHROMIUM (MG/KG)	COBALT (MG/KG)	COPPER (MG/KG)	LEAD (MG/KG)	ZINC (MG/KG)	P,P'DDT (UG/KG)	P,P'DDD (UG/KG)	P,P'DDE (UG/KG)	ALDRIN (UG/KG)	GAMMA BHC (UG/KG)	ALPHA BHC (UG/KG)	BETA BHC (UG/KG)	DELTA BHC (UG/KG)	CHLORDANE (UG/KG)	DIELDRIN (UG/KG)	ENDRIN (UG/KG)	ENDRIN ALDEHYDE (UG/KG)	TOXAPHENE (UG/KG)	HEPTACHLOR (UG/KG)	HEPTACHLOR EPOXIDE (UG/KG)
07/25/88	1.5	< 0.1	26	5	< 1	9	39	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 500	< 10	< 10

METHOXYCHLOR (UG/KG)	2,4-D (UG/KG)	PCB-1254 (UG/KG)	PCB-1260 (UG/KG)	PCB-1242 (UG/KG)	PCB-1221 (UG/KG)	PCB-1232 (UG/KG)	PCB-1248 (UG/KG)	PCB-1016 (UG/KG)	ALPHA-ENDOSULFAN (UG/KG)	BETA-ENDOSULFAN (UG/KG)	ENDOSULFAN SULFATE (UG/KG)	MERCURY (MG/KG)	SEDIMENT % FINER THAN 2.0 MM	SEDIMENT % FINER THAN 0.5 MM	SEDIMENT % FINER THAN 0.125 MM	SEDIMENT % FINER THAN 0.063 MM
< 10	< 1	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 10	< 10	< 10	< 0.1	99.2	97.9	54.5	40.4

02443500 LUXAPALLILA CREEK NEAR COLUMBUS, MS

SEDIMENT DATE	ARSENIC (MG/KG)	CADMIUM (MG/KG)	CHROMIUM (MG/KG)	COBALT (MG/KG)	COPPER (MG/KG)	LEAD (MG/KG)	ZINC (MG/KG)	P,P'DDT (UG/KG)	P,P'DDD (UG/KG)	P,P'DDE (UG/KG)	ALDRIN (UG/KG)	GAMMA BHC (UG/KG)	ALPHA BHC (UG/KG)	BETA BHC (UG/KG)	DELTA BHC (UG/KG)	CHLORDANE (UG/KG)	DIELDRIN (UG/KG)	ENDRIN (UG/KG)	ENDRIN ALDEHYDE (UG/KG)	TOXAPHENE (UG/KG)	HEPTACHLOR (UG/KG)	HEPTACHLOR EPOXIDE (UG/KG)
06/29/88																						

METHOXYCHLOR (UG/KG)	2,4-D (UG/KG)	PCB-1254 (UG/KG)	PCB-1260 (UG/KG)	PCB-1242 (UG/KG)	PCB-1221 (UG/KG)	PCB-1232 (UG/KG)	PCB-1248 (UG/KG)	PCB-1016 (UG/KG)	ALPHA-ENDOSULFAN (UG/KG)	BETA-ENDOSULFAN (UG/KG)	ENDOSULFAN SULFATE (UG/KG)	MERCURY (MG/KG)	SEDIMENT % FINER THAN 2.0 MM	SEDIMENT % FINER THAN 0.5 MM	SEDIMENT % FINER THAN 0.125 MM	SEDIMENT % FINER THAN 0.063 MM
													74.2	52.5	9.7	8

02443610 TOMBIGBEE RIVER (PRATT CAMP 5HB) BELOW COLUMBUS, MS

SEDIMENT DATE	ARSENIC (MG/KG)	CADMIUM (MG/KG)	CHROMIUM (MG/KG)	COBALT (MG/KG)	COPPER (MG/KG)	LEAD (MG/KG)	ZINC (MG/KG)	P,P'DDT (UG/KG)	P,P'DDD (UG/KG)	P,P'DDE (UG/KG)	ALDRIN (UG/KG)	GAMMA BHC (UG/KG)	ALPHA BHC (UG/KG)	BETA BHC (UG/KG)	DELTA BHC (UG/KG)	CHLOR-DANE (UG/KG)	DIELDRIN (UG/KG)	ENDRIN (UG/KG)	ENDRIN ALDEHYDE (UG/KG)	TOXA-PHENE (UG/KG)	HEPTA-CHLOR (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/KG)
07/25/88	1.4	< 0.1	82	11	9	23	120	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 500	< 10	< 10

METHOXY-CHLOR (UG/KG)	2,4-D (UG/KG)	PCB-1254 (UG/KG)	PCB-1260 (UG/KG)	PCB-1242 (UG/KG)	PCB-1221 (UG/KG)	PCB-1232 (UG/KG)	PCB-1248 (UG/KG)	PCB-1016 (UG/KG)	ALPHA-ENDO-SULFAN (UG/KG)	BETA-ENDO-SULFAN (UG/KG)	ENDO-SULFAN SULFATE (UG/KG)	MERCURY (MG/KG)	SEDIMENT % FINER THAN 2.0 MM	SEDIMENT % FINER THAN 0.5 MM	SEDIMENT % FINER THAN 0.125 MM	SEDIMENT % FINER THAN 0.063 MM
< 10	< 1	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 10	< 10	< 10	< 0.1	100	100	99.9	97.8

02444158 TOMBIGBEE RIVER ABOVE ALICEVILLE LOCK AND DAM, AL

SEDIMENT DATE	ARSENIC (MG/KG)	CADMIUM (MG/KG)	CHROMIUM (MG/KG)	COBALT (MG/KG)	COPPER (MG/KG)	LEAD (MG/KG)	ZINC (MG/KG)	P,P'DDT (UG/KG)	P,P'DDD (UG/KG)	P,P'DDE (UG/KG)	ALDRIN (UG/KG)	GAMMA BHC (UG/KG)	ALPHA BHC (UG/KG)	BETA BHC (UG/KG)	DELTA BHC (UG/KG)	CHLOR-DANE (UG/KG)	DIELDRIN (UG/KG)	ENDRIN (UG/KG)	ENDRIN ALDEHYDE (UG/KG)	TOXA-PHENE (UG/KG)	HEPTA-CHLOR (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/KG)
07/25/88	0.76	< 0.1	12	< 5	< 1	9	13	10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10	< 10	< 10	< 10	< 500	< 10	< 10

METHOXY-CHLOR (UG/KG)	2,4-D (UG/KG)	PCB-1254 (UG/KG)	PCB-1260 (UG/KG)	PCB-1242 (UG/KG)	PCB-1221 (UG/KG)	PCB-1232 (UG/KG)	PCB-1248 (UG/KG)	PCB-1016 (UG/KG)	ALPHA-ENDO-SULFAN (UG/KG)	BETA-ENDO-SULFAN (UG/KG)	ENDO-SULFAN SULFATE (UG/KG)	MERCURY (MG/KG)	SEDIMENT % FINER THAN 2.0 MM	SEDIMENT % FINER THAN 0.5 MM	SEDIMENT % FINER THAN 0.125 MM	SEDIMENT % FINER THAN 0.063 MM
< 10	< 1	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 10	< 10	< 10	< 0.1	99.9	99.8	93.5	78.4

02444161 TOMBIGBEE RIVER BELOW ALICEVILLE LOCK AND DAM, AL

SEDIMENT DATE	ARSENIC (MG/KG)	CADMIUM (MG/KG)	CHROMIUM (MG/KG)	COBALT (MG/KG)	COPPER (MG/KG)	LEAD (MG/KG)	ZINC (MG/KG)	P,P'DDT (UG/KG)	P,P'DDD (UG/KG)	P,P'DDE (UG/KG)	ALDRIN (UG/KG)	GAMMA BHC (UG/KG)	ALPHA BHC (UG/KG)	BETA BHC (UG/KG)	DELTA BHC (UG/KG)	CHLOR-DANE (UG/KG)	DIELDRIN (UG/KG)	ENDRIN (UG/KG)	ENDRIN ALDEHYDE (UG/KG)	TOXA-PHENE (UG/KG)	HEPTA-CHLOR (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/KG)
07/25/88																						

METHOXY-CHLOR (UG/KG)	2,4-D (UG/KG)	PCB-1254 (UG/KG)	PCB-1260 (UG/KG)	PCB-1242 (UG/KG)	PCB-1221 (UG/KG)	PCB-1232 (UG/KG)	PCB-1248 (UG/KG)	PCB-1016 (UG/KG)	ALPHA-ENDO-SULFAN (UG/KG)	BETA-ENDO-SULFAN (UG/KG)	ENDO-SULFAN SULFATE (UG/KG)	MERCURY (MG/KG)	SEDIMENT % FINER THAN 2.0 MM	SEDIMENT % FINER THAN 0.5 MM	SEDIMENT % FINER THAN 0.125 MM	SEDIMENT % FINER THAN 0.063 MM
													65.2	54.7	23.8	20.8

02444210 TOMBIGBEE RIVER (BIG CREEK BEND) NR PICKENSVILLE, AL

SEDIMENT DATE	ARSENIC (MG/KG)	CADMIUM (MG/KG)	CHROMIUM (MG/KG)	COBALT (MG/KG)	COPPER (MG/KG)	LEAD (MG/KG)	ZINC (MG/KG)	P,P'DDT (UG/KG)	P,P'DDD (UG/KG)	P,P'DDE (UG/KG)	ALDRIN (UG/KG)	GAMMA BHC (UG/KG)	ALPHA BHC (UG/KG)	BETA BHC (UG/KG)	DELTA BHC (UG/KG)	CHLOR-DANE (UG/KG)	DIELDRIN (UG/KG)	ENDRIN (UG/KG)	ENDRIN ALDEHYDE (UG/KG)	TOXA-PHENE (UG/KG)	HEPTA-CHLOR (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/KG)
07/25/88	0.11	< 0.1	< 5	< 5	< 1	7	4	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 500	< 10	< 10

METHOXY-CHLOR (UG/KG)	2,4-D (UG/KG)	PCB-1254 (UG/KG)	PCB-1260 (UG/KG)	PCB-1242 (UG/KG)	PCB-1221 (UG/KG)	PCB-1232 (UG/KG)	PCB-1248 (UG/KG)	PCB-1016 (UG/KG)	ALPHA-ENDO-SULFAN (UG/KG)	BETA-ENDO-SULFAN (UG/KG)	ENDO-SULFAN SULFATE (UG/KG)	MERCURY (MG/KG)	SEDIMENT % FINER THAN 2.0 MM	SEDIMENT % FINER THAN 0.5 MM	SEDIMENT % FINER THAN 0.125 MM	SEDIMENT % FINER THAN 0.063 MM
< 10	< 1	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 10	< 10	< 10	< 0.1	100	99.2	13.4	6.9

02447010 TOMBIGBEE RIVER AT COOKS BENDWAY NR WARSAW, AL

SEDIMENT DATE	ARSENIC (MG/KG)	CADMIUM (MG/KG)	CHROMIUM (MG/KG)	COBALT (MG/KG)	COPPER (MG/KG)	LEAD (MG/KG)	ZINC (MG/KG)	P,P'DDT (UG/KG)	P,P'DDD (UG/KG)	P,P'DDE (UG/KG)	ALDRIN (UG/KG)	GAMMA BHC (UG/KG)	ALPHA BHC (UG/KG)	BETA BHC (UG/KG)	DELTA BHC (UG/KG)	CHLOR-DANE (UG/KG)	DIELDRIN (UG/KG)	ENDRIN (UG/KG)	ENDRIN ALDEHYDE (UG/KG)	TOXA-PHENE (UG/KG)	HEPTA-CHLOR (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/KG)
07/25/88	3	< 0.1	69	12	23	20	110	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10	< 10	< 10	< 10	< 500	< 10	< 10

METHOXY-CHLOR (UG/KG)	2,4-D (UG/KG)	PCB-1254 (UG/KG)	PCB-1260 (UG/KG)	PCB-1242 (UG/KG)	PCB-1221 (UG/KG)	PCB-1232 (UG/KG)	PCB-1248 (UG/KG)	PCB-1016 (UG/KG)	ALPHA-ENDO-SULFAN (UG/KG)	BETA-ENDO-SULFAN (UG/KG)	ENDO-SULFAN SULFATE (UG/KG)	MERCURY (MG/KG)	SEDIMENT % FINER THAN 2.0 MM	SEDIMENT % FINER THAN 0.5 MM	SEDIMENT % FINER THAN 0.125 MM	SEDIMENT % FINER THAN 0.063 MM
< 10	< 1	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 10	< 10	< 10	< 0.1	100	99.5	10.4	9.4

02447020 TOMBIGBEE RIVER AB GAINESVILLE LOCK AND DAM, AL

SEDIMENT DATE	ARSENIC (MG/KG)	CADMIUM (MG/KG)	CHROMIUM (MG/KG)	COBALT (MG/KG)	COPPER (MG/KG)	LEAD (MG/KG)	ZINC (MG/KG)	P,P'DDT (UG/KG)	P,P'DDD (UG/KG)	P,P'DDE (UG/KG)	ALDRIN (UG/KG)	GAMMA BHC (UG/KG)	ALPHA BHC (UG/KG)	BETA BHC (UG/KG)	DELTA BHC (UG/KG)	CHLOR-DANE (UG/KG)	DIELDRIN (UG/KG)	ENDRIN (UG/KG)	ENDRIN ALDEHYDE (UG/KG)	TOXA-PHENE (UG/KG)	HEPTA-CHLOR (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/KG)
07/25/88	1.3	< 0.1	17	< 5	< 1	15	26	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 500	< 10	< 10

METHOXY-CHLOR (UG/KG)	2,4-D (UG/KG)	PCB-1254 (UG/KG)	PCB-1260 (UG/KG)	PCB-1242 (UG/KG)	PCB-1221 (UG/KG)	PCB-1232 (UG/KG)	PCB-1248 (UG/KG)	PCB-1016 (UG/KG)	ALPHA-ENDO-SULFAN (UG/KG)	BETA-ENDO-SULFAN (UG/KG)	ENDO-SULFAN SULFATE (UG/KG)	MERCURY (MG/KG)	SEDIMENT % FINER THAN 2.0 MM	SEDIMENT % FINER THAN 0.5 MM	SEDIMENT % FINER THAN 0.125 MM	SEDIMENT % FINER THAN 0.063 MM
< 100	< 1	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 10	< 10	< 10	< 0.1	94.3	82.1	37.4	21.9

02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL

SEDIMENT DATE	ARSENIC (MG/KG)	CADMIUM (MG/KG)	CHROMIUM (MG/KG)	COBALT (MG/KG)	COPPER (MG/KG)	LEAD (MG/KG)	ZINC (MG/KG)	P,P'DDT (UG/KG)	P,P'DDD (UG/KG)	P,P'DDE (UG/KG)	ALDRIN (UG/KG)	GAMMA BHC (UG/KG)	ALPHA BHC (UG/KG)	BETA BHC (UG/KG)	DELTA BHC (UG/KG)	CHLOR-DANE (UG/KG)	DIELDRIN (UG/KG)	ENDRIN (UG/KG)	ENDRIN ALDEHYDE (UG/KG)	TOXA-PHENE (UG/KG)	HEPTA-CHLOR (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/KG)
07/25/88																						

	METHOXY-CHLOR (UG/KG)	2,4-D (UG/KG)	PCB-1254 (UG/KG)	PCB-1260 (UG/KG)	PCB-1242 (UG/KG)	PCB-1221 (UG/KG)	PCB-1232 (UG/KG)	PCB-1248 (UG/KG)	PCB-1016 (UG/KG)	ALPHA-ENDO-SULFAN (UG/KG)	BETA-ENDO-SULFAN (UG/KG)	ENDO-SULFAN SULFATE (UG/KG)	MERCURY (MG/KG)	SEDIMENT % FINER THAN 2.0 MM	SEDIMENT % FINER THAN 0.5 MM	SEDIMENT % FINER THAN 0.125 MM	SEDIMENT % FINER THAN 0.063 MM
														99.8	98.6	21.4	14

02466998 TOMBIGBEE RIVER ABOVE DEMOPOLIS LOCK AND DAM, AL

SEDIMENT DATE	ARSENIC (MG/KG)	CADMIUM (MG/KG)	CHROMIUM (MG/KG)	COBALT (MG/KG)	COPPER (MG/KG)	LEAD (MG/KG)	ZINC (MG/KG)	P,P'DDT (UG/KG)	P,P'DDD (UG/KG)	P,P'DDE (UG/KG)	ALDRIN (UG/KG)	GAMMA BHC (UG/KG)	ALPHA BHC (UG/KG)	BETA BHC (UG/KG)	DELTA BHC (UG/KG)	CHLOR-DANE (UG/KG)	DIELDRIN (UG/KG)	ENDRIN (UG/KG)	ENDRIN ALDEHYDE (UG/KG)	TOXA-PHENE (UG/KG)	HEPTA-CHLOR (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/KG)
07/25/88	0.78	< 0.1	6	< 5	< 1	10	8	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 500	< 10	< 10
DUPLICATE	0.68	< 0.1	5	< 5	< 1	8	8	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 500	< 10	< 10

	METHOXY-CHLOR (UG/KG)	2,4-D (UG/KG)	PCB-1254 (UG/KG)	PCB-1260 (UG/KG)	PCB-1242 (UG/KG)	PCB-1221 (UG/KG)	PCB-1232 (UG/KG)	PCB-1248 (UG/KG)	PCB-1016 (UG/KG)	ALPHA-ENDO-SULFAN (UG/KG)	BETA-ENDO-SULFAN (UG/KG)	ENDO-SULFAN SULFATE (UG/KG)	MERCURY (MG/KG)	SEDIMENT % FINER THAN 2.0 MM	SEDIMENT % FINER THAN 0.5 MM	SEDIMENT % FINER THAN 0.125 MM	SEDIMENT % FINER THAN 0.063 MM
	< 10	< 1	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 10	< 10	< 10	< 0.1	99.9	98.4	17.3	12.3
	< 10	< 1	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 10	< 10	< 10	< 0.1	99.8	98.6	17.2	12.3

APPENDIX TVA

TENNESSEE VALLEY AUTHORITY DATA

PHYTOPLANKTON DENSITIES

(TVA-33 FOLLOWS)

PHYTOPLANKTON DENSITIES (NUMBER/LITER) IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988

	CROSS ROADS MS		BAY SPRINGS LAKE		BL BAY SPRINGS L & D		LOCK D POOL	
	APR 11	JUNE 27	APR 11	JUNE 27	APR 11	JUNE 27	APR 11	JUNE 27
Chlorophyta								
Acanthosphaera	0	0	0	0	0	0	0	0
Actinastrum	0	0	0	0	0	0	0	0
Ankistrodesmus	130,704	24,896	37,344	0	0	0	0	24,896
Chlamydomonas	0	6,224	15,560	15,560	6,224	18,672	0	52,904
Chlorella	0	0	0	0	0	0	0	0
Chodatella	0	0	0	0	0	0	0	0
Closteriopsis	0	6,224	0	0	0	0	0	0
Coelastrum	0	0	0	0	0	0	0	56,016
Cosmarium	0	0	0	0	0	0	6,224	0
Crucigenia	0	0	0	12,448	0	49,792	12,448	68,464
Dictyosphaerium	65,352	80,912	0	12,448	0	0	0	43,568
Elakatothrix	0	0	0	0	0	0	12,448	0
Euastrum	0	0	0	0	0	0	0	0
Eudorina	0	0	0	0	0	0	0	0
Gloeocactinium	0	12,448	0	0	0	0	0	0
Golenkinia	0	0	0	3,112	0	0	0	18,672
Gonium	0	0	0	0	0	49,792	0	15,560
Kirchneriella	0	21,784	0	24,896	0	6,224	0	43,568
Oocystis	12,448	0	0	0	0	0	0	49,792
Pandorina	0	49,792	0	0	0	0	0	0
Pediastrum	0	24,896	0	0	0	0	0	49,792
Platydorina	0	0	0	0	0	0	0	0
Pteromonas	0	0	0	0	0	0	0	0
Pyramimonas	0	0	0	0	0	0	0	0
Scenedesmus	37,344	186,720	12,448	62,240	18,672	18,672	133,816	180,496
Schroederia	0	3,112	0	3,112	0	0	0	0
Staurastrum	0	0	0	0	0	0	15,560	0
Tetrastrum	0	0	0	0	0	0	0	0
Treubaria	0	3,112	0	3,112	0	0	0	0
Total	245,848	420,120	65,352	136,928	24,896	143,152	180,496	603,728
Chrysophyta								
Achnanthes	0	31,120	0	0	0	0	12,448	43,568
Asterionella	248,960	0	77,800	0	31,120	0	404,560	0
Attheya	0	0	0	0	0	0	0	0
Chaetoceros	0	0	0	0	0	0	0	0
Cymbella	0	0	0	0	0	0	118,256	0
Dinobryon	0	0	3,112	6,224	0	34,232	759,328	0
Fragilaria	161,824	40,456	0	0	0	0	0	59,128
Gyrosigma	0	0	0	0	0	0	0	0
Melosira	504,144	164,936	37,344	0	37,344	6,224	74,688	799,784
Navicula	24,896	3,112	0	0	9,336	0	43,568	0
Nitzschia	0	0	0	0	0	0	0	0
Ophiocytium	0	0	0	0	0	0	0	0

PHYTOPLANKTON DENSITIES (NUMBER/LITER) IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

		CROSS ROADS MS		BAY SPRINGS LAKE		BL BAY SPRINGS L & D		LOCK D POOL	
		APR 11	JUNE 27	APR 11	JUNE 27	APR 11	JUNE 27	APR 11	JUNE 27
Pleurosigma		6,224	0	0	0	0	0	0	0
Rhizosolenia		0	0	18,672	0	0	6,224	0	15,560
Rhoicosphenia		0	0	0	0	0	0	62,240	0
Stephanodiscus		3,112	0	0	34,232	6,224	24,896	9,336	6,224
Synedra		68,464	65,352	0	18,672	3,112	9,336	71,576	40,456
	Total	1,017,624	304,976	136,928	59,128	87,136	80,912	1,556,000	964,720
Cryptophyta									
Cryptomonas		0	6,224	12,448	9,336	9,336	3,112	21,784	31,120
	Total	0	6,224	12,448	9,336	9,336	3,112	21,784	31,120
Cyanophyta									
Anabaena		0	0	0	0	0	0	0	451,240
Anacystis		155,600	115,144	99,584	136,928	62,240	127,592	180,496	497,920
Merismopedia		0	245,848	0	24,896	0	31,120	0	731,320
Oscillatoria		348,544	448,128	0	522,816	0	149,376	0	2,190,848
	Total	504,144	809,120	99,584	684,640	62,240	308,088	180,496	3,871,328
Euglenophyta									
Cryptoglena		0	0	0	0	0	0	0	0
Euglena		6,224	0	6,224	0	3,112	3,112	3,112	15,560
Phacus		0	0	0	0	0	0	0	0
Trachelomonas		0	18,672	0	15,560	0	9,336	0	34,232
	Total	6,224	18,672	6,224	15,560	3,112	12,448	3,112	49,792
Pyrrophyta									
Ceratium		0	3,112	0	9,336	0	3,112	0	0
Gymnodinium		0	9,336	0	3,112	0	0	0	12,448
Peridinium		0	0	0	0	0	0	0	0
	Total	0	12,448	0	12,448	0	3,112	0	12,448

PHYTOPLANKTON DENSITIES (NUMBER/LITER) IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988

	LOCK A POOL		ABERDEEN LAKE		BELOW ABERDEEN L & D		BUTTA RIVER BENDWAY	
	APR 12	JUNE 28	APR 12	JUNE 28	APR 12	JUNE 28	APR 13	JUNE 29
Chlorophyta								
Acanthosphaera	0	0	0	12,448	0	0	0	0
Actinastrum	0	62,240	0	99,584	0	24,896	0	24,896
Ankistrodesmus	34,232	56,016	21,784	37,344	43,568	21,784	34,232	18,672
Chlamydomonas	0	0	0	0	0	18,672	0	31,120
Chlorella	0	0	0	0	0	0	0	0
Chodatella	0	9,336	0	0	0	6,224	0	0
Closteriopsis	0	0	0	0	0	0	0	0
Coelastrum	0	0	0	68,464	0	43,568	0	0
Cosmarium	0	0	0	0	0	0	0	0
Crucigenia	0	62,240	77,800	112,032	65,352	37,344	65,352	56,016
Dictyosphaerium	0	149,376	0	31,120	46,680	71,576	0	87,136
Elakatothrix	0	12,448	0	0	0	12,448	0	37,344
Euastrum	0	0	0	0	0	0	0	0
Eudorina	0	0	99,584	0	0	0	0	0
Gloeoactinium	0	0	0	6,224	0	0	0	43,568
Golenkinia	0	9,336	0	0	0	31,120	0	0
Gonium	0	0	0	0	0	49,792	0	49,792
Kirchneriella	0	21,784	0	12,448	12,448	49,792	0	56,016
Oocystis	0	12,448	0	18,672	0	12,448	49,792	24,896
Pandorina	0	0	0	0	0	49,792	0	0
Pediastrum	0	49,792	12,448	24,896	0	62,240	0	112,032
Platydorina	0	0	0	0	0	0	0	0
Pteromonas	0	0	0	0	0	0	0	0
Pyramimonas	0	0	0	0	0	0	0	0
Scenedesmus	28,008	217,840	93,360	261,408	146,264	298,752	168,048	317,424
Schroederia	0	0	0	12,448	0	3,112	0	12,448
Staurastrum	0	0	9,336	6,224	0	6,224	0	0
Tetrastrum	0	0	0	0	0	0	0	0
Treubaria	0	0	0	0	0	3,112	0	0
Total	62,240	662,856	314,312	703,312	314,312	802,896	317,424	871,360
Chrysophyta								
Achnanthes	0	9,336	0	12,448	0	0	0	24,896
Asterionella	0	0	31,120	0	0	0	0	0
Attheya	0	0	0	0	0	0	0	0
Chaetoceros	0	0	0	0	0	0	0	0
Cymbella	0	0	0	0	0	0	0	0
Dinobryon	0	31,120	0	0	9,336	0	18,672	0
Fragilaria	40,456	0	0	0	0	0	0	0
Gyrosigma	0	6,224	0	0	3,112	0	0	0
Melosira	46,680	205,392	99,584	1,026,960	130,704	1,584,008	168,048	1,976,120
Navicula	31,120	37,344	9,336	6,224	0	9,336	12,448	40,456
Nitzschia	0	0	0	0	12,448	0	0	0
Ophiocytium	0	0	0	0	0	0	0	0

PHYTOPLANKTON DENSITIES (NUMBER/LITER) IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

		LOCK A POOL		ABERDEEN LAKE		BELOW ABERDEEN L & D		BUTTA RIVER BENDWAY	
		APR 12	JUNE 28	APR 12	JUNE 28	APR 12	JUNE 28	APR 13	JUNE 29
Pleurosigma		0	0	0	0	0	0	0	0
Rhizosolenia		0	6,224	0	0	0	0	0	0
Rhoicosphenia		0	0	0	0	0	0	0	0
Stephanodiscus		0	0	0	24,896	0	15,560	0	37,344
Synedra		12,448	84,024	15,560	115,144	18,672	115,144	3,112	171,160
	Total	130,704	379,664	155,600	1,185,672	174,272	1,724,048	202,280	2,249,976
Cryptophyta									
Cryptomonas		6,224	12,448	15,560	12,448	6,224	9,336	9,336	18,672
	Total	6,224	12,448	15,560	12,448	6,224	9,336	9,336	18,672
Cyanophyta									
Anabaena		0	105,808	46,680	0	59,128	220,952	62,240	410,784
Anacystis		74,688	706,424	0	476,136	0	267,632	155,600	227,176
Merismopedia		0	230,288	0	202,280	0	360,992	0	192,944
Oscillatoria		0	1,468,864	0	1,543,552	0	1,468,864	0	1,294,592
	Total	74,688	2,511,384	46,680	2,221,968	59,128	2,318,440	217,840	2,125,496
Euglenophyta									
Cryptoglena		0	0	0	0	0	0	0	0
Euglena		9,336	18,672	24,896	56,016	18,672	56,016	37,344	80,912
Phacus		0	0	0	0	0	3,112	0	9,336
Trachelomonas		0	12,448	9,336	18,672	18,672	74,688	18,672	9,336
	Total	9,336	31,120	34,232	74,688	37,344	133,816	56,016	99,584
Pyrrophyta									
Ceratium		0	6,224	0	6,224	0	3,112	0	6,224
Gymnodinium		0	9,336	0	9,336	0	12,448	0	6,224
Peridinium		0	0	0	0	0	6,224	0	12,448
	Total	0	15,560	0	15,560	0	21,784	0	24,896

PHYTOPLANKTON DENSITIES (NUMBER/LITER) IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988

	COLUMBUS LAKE		BELOW COLUMBUS L & D		COLUMBUS BENDWAY		PRATT CAMP BENDWAY	
	APR 13	JUNE 29	APR 18	JULY 11	APR 18	JULY 11	APR 18	JULY 11
Chlorophyta								
Acanthosphaera	0	0	0	0	0	12,448	0	0
Actinastrum	0	0	0	0	0	24,896	24,896	0
Ankistrodesmus	12,448	15,560	37,344	49,792	62,240	74,688	37,344	68,464
Chlamydomonas	3,112	49,792	0	0	3,112	15,560	0	46,680
Chlorella	0	0	0	0	0	12,448	0	21,784
Chodatella	0	0	0	6,224	0	12,448	0	24,896
Closteriopsis	0	0	0	0	0	0	0	0
Coelastrum	0	0	0	49,792	0	56,016	0	74,688
Cosmarium	0	0	0	0	0	0	0	0
Crucigenia	12,448	93,360	71,576	90,248	0	171,160	0	320,536
Dictyosphaerium	0	77,800	0	40,456	24,896	152,488	0	62,240
Elakatothrix	0	0	0	0	0	12,448	24,896	0
Euastrum	0	0	0	12,448	0	15,560	0	18,672
Eudorina	0	0	99,584	0	0	0	0	0
Gloeoactinium	0	127,592	0	118,256	0	71,576	0	152,488
Golenkinia	0	0	0	6,224	0	0	0	0
Gonium	49,792	49,792	0	0	0	0	0	99,584
Kirchneriella	0	71,576	0	37,344	0	102,696	49,792	96,472
Oocystis	0	24,896	0	12,448	0	24,896	0	24,896
Pandorina	0	49,792	0	0	0	99,584	0	99,584
Pediastrum	0	0	43,568	49,792	0	0	124,480	199,168
Platydorina	0	99,584	0	0	0	49,792	0	99,584
Pteromonas	0	0	0	6,224	0	0	0	0
Pyramimonas	0	0	0	0	0	0	0	0
Scenedesmus	276,968	342,320	52,904	0	130,704	236,512	93,360	205,392
Schroederia	0	31,120	0	12,448	0	21,784	0	12,448
Staurastrum	0	0	0	6,224	0	0	0	6,224
Tetrastrum	0	0	0	0	0	0	0	12,448
Treubaria	0	0	0	0	0	6,224	0	0
Total	354,768	1,033,184	304,976	497,920	220,952	1,173,224	354,768	1,646,248
Chrysophyta								
Achnanthes	0	15,560	0	0	0	0	0	0
Asterionella	52,904	0	0	0	24,896	0	0	0
Attheya	0	0	0	0	0	0	0	0
Chaetoceros	0	0	0	0	34,232	0	124,480	0
Cymbella	0	0	0	0	0	0	0	0
Dinobryon	40,456	0	0	0	0	0	0	34,232
Fragilaria	0	0	0	0	0	0	34,232	0
Gyrosigma	0	0	0	0	0	0	0	0
Melosira	581,944	1,453,304	566,384	541,488	802,896	1,465,752	1,615,128	435,680
Navicula	6,224	9,336	21,784	21,784	18,672	21,784	0	0
Nitzschia	0	0	0	0	0	0	0	0
Ophiocytium	0	0	0	0	0	0	0	0

PHYTOPLANKTON DENSITIES (NUMBER/LITER) IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

		COLUMBUS LAKE		BELOW COLUMBUS L & D		COLUMBUS BENDWAY		PRATT CAMP BENDWAY	
		APR 13	JUNE 29	APR 18	JULY 11	APR 18	JULY 11	APR 18	JULY 11
Pleurosigma		0	0	0	0	0	0	0	0
Rhizosolenia		0	0	0	0	0	0	0	0
Rhoicosphenia		0	0	0	0	0	0	0	0
Stephanodiscus		0	65,352	0	40,456	0	220,952	0	43,568
Synedra		6,224	136,928	56,016	99,584	49,792	227,176	71,576	71,576
	Total	687,752	1,680,480	644,184	703,312	930,488	1,935,664	1,845,416	585,056
Cryptophyta									
Cryptomonas		9,336	52,904	9,336	18,672	12,448	18,672	59,128	34,232
	Total	9,336	52,904	9,336	18,672	12,448	18,672	59,128	34,232
Cyanophyta									
Anabaena		43,568	451,240	52,904	68,464	62,240	255,184	43,568	547,712
Anacystis		0	264,520	56,016	99,584	115,144	578,832	0	687,752
Merismopedia		0	267,632	0	217,840	0	662,856	24,896	1,207,456
Oscillatoria		0	1,070,528	0	746,880	0	1,319,488	0	1,817,408
	Total	43,568	2,053,920	108,920	1,132,768	177,384	2,816,360	68,464	4,260,328
Euglenophyta									
Cryptoglena		0	0	0	0	0	0	0	0
Euglena		28,008	93,360	18,672	21,784	56,016	189,832	124,480	155,600
Phacus		0	15,560	0	0	0	9,336	12,448	31,120
Trachelomonas		3,112	21,784	6,224	9,336	0	65,352	52,904	65,352
	Total	31,120	130,704	24,896	31,120	56,016	264,520	189,832	252,072
Pyrrophyta									
Ceratium		0	12,448	0	9,336	0	9,336	0	6,224
Gymnodinium		0	6,224	0	6,224	18,672	24,896	21,784	15,560
Peridinium		0	9,336	0	0	0	0	0	9,336
	Total	0	28,008	0	15,560	18,672	34,232	21,784	31,120

PHYTOPLANKTON DENSITIES (NUMBER/LITER) IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988

	ABOVE ALICEVILLE L & D		BELOW ALICEVILLE L & D		BIG CREEK BENDWAY		COOKS BENDWAY	
	APR 19	JULY 12	APR 19	JULY 12	APR 19	JULY 12	APR 19	JULY 12
Chlorophyta								
Acanthosphaera	0	0	0	0	0	0	0	0
Actinastrum	62,240	0	65,352	37,344	0	59,128	18,672	21,784
Ankistrodesmus	40,456	84,024	68,464	40,456	56,016	65,352	24,896	74,688
Chlamydomonas	0	52,904	0	40,456	0	49,792	0	77,800
Chlorella	0	15,560	0	9,336	0	15,560	0	21,784
Chodatella	0	0	0	6,224	0	12,448	0	6,224
Closteriopsis	0	0	0	0	0	0	0	0
Coelastrum	0	24,896	0	46,680	0	74,688	0	49,792
Cosmarium	0	0	0	0	0	0	0	0
Crucigenia	12,448	220,952	0	326,760	74,688	395,224	49,792	289,416
Dictyosphaerium	0	62,240	65,352	68,464	0	124,480	12,448	93,360
Elakatothrix	0	0	0	0	0	24,896	0	0
Euastrum	0	18,672	0	12,448	0	31,120	0	12,448
Eudorina	0	0	0	0	0	0	0	0
Gloeoactinium	0	180,496	0	140,040	0	161,824	0	158,712
Golenkinia	0	9,336	0	9,336	0	21,784	0	15,560
Gonium	0	24,896	0	49,792	0	99,584	0	130,704
Kirchneriella	0	46,680	0	74,688	0	118,256	0	74,688
Oocystis	0	31,120	0	12,448	0	37,344	0	12,448
Pandorina	0	99,584	0	99,584	0	99,584	0	99,584
Pediastrum	0	74,688	99,584	0	0	0	0	99,584
Platydorina	0	99,584	0	49,792	0	99,584	0	99,584
Pteromonas	0	0	0	6,224	0	18,672	0	9,336
Pyramimonas	0	15,560	0	0	0	0	0	0
Scenedesmus	56,016	329,872	74,688	367,216	320,536	445,016	143,152	557,048
Schroederia	0	40,456	0	21,784	0	15,560	0	43,568
Staurastrum	9,336	0	0	0	0	0	0	18,672
Tetrastrum	0	0	0	0	0	0	0	24,896
Treubaria	0	0	0	0	0	0	0	0
Total	180,496	1,431,520	373,440	1,419,072	451,240	1,969,896	248,960	1,991,680
Chrysophyta								
Achnanthes	0	0	0	0	0	0	0	0
Asterionella	90,248	0	24,896	0	0	49,792	31,120	24,896
Attheya	0	0	0	6,224	0	0	0	6,224
Chaetoceros	0	0	15,560	0	31,120	40,456	24,896	74,688
Cymbella	0	0	0	0	9,336	6,224	0	0
Dinobryon	0	0	0	0	31,120	43,568	0	0
Fragilaria	0	0	0	0	0	46,680	0	0
Gyrosigma	0	0	0	0	6,224	6,224	0	6,224
Melosira	756,216	1,067,416	983,392	1,142,104	127,592	1,587,120	893,144	1,605,792
Navicula	9,336	40,456	0	9,336	52,904	31,120	0	0
Nitzschia	0	0	0	0	0	0	0	0
Ophiocytium	0	0	0	0	3,112	0	0	0

PHYTOPLANKTON DENSITIES (NUMBER/LITER) IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

		ABOVE ALICEVILLE L & D		BELOW ALICEVILLE L & D		BIG CREEK BENDWAY		COOKS BENDWAY	
		APR 19	JULY 12	APR 19	JULY 12	APR 19	JULY 12	APR 19	JULY 12
Pleurosigma		0	0	0	0	0	0	0	0
Rhizosolenia		0	0	0	0	21,784	9,336	0	21,784
Rhoicosphenia		0	0	0	0	0	0	0	0
Stephanodiscus		0	152,488	0	115,144	3,112	133,816	12,448	171,160
Synedra		31,120	87,136	31,120	52,904	121,368	93,360	28,008	158,712
	Total	886,920	1,347,496	1,054,968	1,325,712	407,672	2,047,696	989,616	2,069,480
Cryptophyta									
Cryptomonas		21,784	34,232	18,672	24,896	18,672	34,232	18,672	37,344
	Total	21,784	34,232	18,672	24,896	18,672	34,232	18,672	37,344
Cyanophyta									
Anabaena		0	304,976	0	239,624	0	326,760	0	364,104
Anacystis		0	706,424	0	507,256	0	597,504	0	914,928
Merismopedia		12,448	600,616	80,912	563,272	24,896	653,520	12,448	921,152
Oscillatoria		0	2,066,368	99,584	1,493,760	0	2,240,640	0	2,066,368
	Total	12,448	3,678,384	180,496	2,803,912	24,896	3,818,424	12,448	4,266,552
Euglenophyta									
Cryptoglena		0	6,224	0	6,224	0	18,672	0	0
Euglena		12,448	168,048	34,232	149,376	34,232	164,936	15,560	295,640
Phacus		0	15,560	0	6,224	0	18,672	0	34,232
Trachelomonas		15,560	43,568	31,120	71,576	6,224	90,248	12,448	90,248
	Total	28,008	233,400	65,352	233,400	40,456	292,528	28,008	420,120
Pyrrophyta									
Ceratium		0	9,336	0	0	0	6,224	0	0
Gymnodinium		12,448	15,560	12,448	9,336	12,448	9,336	12,448	21,784
Peridinium		0	0	0	0	0	6,224	0	12,448
	Total	12,448	24,896	12,448	9,336	12,448	21,784	12,448	34,232

PHYTOPLANKTON DENSITIES (NUMBER/LITER) IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988

	ABOVE GAINESVILLE L & D		GAINES-VILLE AL		ABOVE DEMOPOLIS L & D	
	APR 20	JULY 13	APR 20	JULY 13	APR 20	JULY 13
Chlorophyta						
Acanthosphaera	0	0	0	0	0	0
Actinastrum	18,672	34,232	43,568	24,896	87,136	68,464
Ankistrodesmus	56,016	40,456	31,120	9,336	71,576	96,472
Chlamydomonas	21,784	21,784	3,112	0	9,336	28,008
Chlorella	0	6,224	0	0	0	0
Chodatella	0	12,448	0	0	0	6,224
Closteriopsis	0	12,448	6,224	0	0	0
Coelastrum	24,896	24,896	0	0	0	24,896
Cosmarium	0	0	0	0	0	0
Crucigenia	0	68,464	12,448	56,016	37,344	87,136
Dictyosphaerium	77,800	59,128	24,896	0	31,120	68,464
Elakatothrix	0	12,448	0	0	0	0
Euastrum	3,112	0	0	0	0	0
Eudorina	0	0	99,584	0	0	0
Gloeoactinium	0	71,576	0	46,680	0	56,016
Golenkinia	0	12,448	0	0	0	0
Gonium	0	0	0	99,584	0	49,792
Kirchneriella	0	52,904	0	0	0	0
Oocystis	0	12,448	0	0	0	0
Pandorina	0	0	49,792	99,584	0	99,584
Pediastrum	0	74,688	99,584	0	99,584	99,584
Platydorina	0	49,792	0	0	0	49,792
Pteromonas	0	6,224	0	0	0	0
Pyramimonas	0	0	0	0	0	0
Scenedesmus	136,928	239,624	74,688	149,376	99,584	317,424
Schroederia	0	9,336	0	9,336	0	12,448
Staurastrum	0	12,448	0	6,224	0	0
Tetrastrum	0	0	0	0	0	0
Treubaria	0	0	0	0	0	0
Total	339,208	834,016	445,016	501,032	435,680	1,064,304
Chrysophyta						
Achnanthes	0	0	0	0	0	0
Asterionella	93,360	24,896	24,896	0	152,488	0
Attheya	0	0	0	0	0	0
Chaetoceros	43,568	56,016	0	0	46,680	0
Cymbella	0	0	0	0	0	0
Dinobryon	0	0	0	0	0	0
Fragilaria	0	0	0	0	0	0
Gyrosigma	0	0	0	0	0	0
Melosira	1,562,224	924,264	1,313,264	392,112	1,247,912	743,768
Navicula	0	12,448	3,112	24,896	28,008	0
Nitzschia	0	0	0	0	0	0
Ophiocytium	0	0	0	0	0	0

PHYTOPLANKTON DENSITIES (NUMBER/LITER) IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

		ABOVE GAINESVILLE L & D		GAINES-VILLE AL		ABOVE DEMOPOLIS L & D	
		APR 20	JULY 13	APR 20	JULY 13	APR 20	JULY 13
Pleurosigma		0	0	0	0	0	0
Rhizosolenia		0	6,224	0	0	0	0
Rhoicosphenia		0	0	0	0	0	0
Stephanodiscus		21,784	118,256	21,784	12,448	87,136	118,256
Synedra		28,008	80,912	31,120	12,448	105,808	46,680
	Total	1,748,944	1,223,016	1,394,176	441,904	1,668,032	908,704
Cryptophyta							
Cryptomonas		21,784	28,008	12,448	21,784	18,672	24,896
	Total	21,784	28,008	12,448	21,784	18,672	24,896
Cyanophyta							
Anabaena		31,120	199,168	0	77,800	24,896	152,488
Anacystis		0	684,640	0	0	0	289,416
Merismopedia		0	360,992	68,464	118,256	37,344	466,800
Oscillatoria		0	1,443,968	0	199,168	0	1,070,528
	Total	31,120	2,688,768	68,464	395,224	62,240	1,979,232
Euglenophyta							
Cryptoglena		0	0	0	0	0	0
Euglena		15,560	71,576	34,232	52,904	12,448	93,360
Phacus		0	9,336	0	6,224	0	0
Trachelomonas		43,568	31,120	21,784	12,448	6,224	49,792
	Total	59,128	112,032	56,016	71,576	18,672	143,152
Pyrrophyta							
Ceratium		0	0	0	0	0	0
Gymnodinium		9,336	12,448	9,336	12,448	12,448	12,448
Peridinium		0	9,336	0	0	0	0
	Total	9,336	21,784	9,336	12,448	12,448	12,448

APPENDIX TVA

TENNESSEE VALLEY AUTHORITY DATA

ZOOPLANKTON DENSITIES

(TVA-45 FOLLOWS)

ZOOPLANKTON DENSITIES (NUMBER/CUBIC METER) IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988

	CROSS ROADS MS		BAY SPRINGS LAKE		BL BAY SPRINGS L & D		LOCK D POOL	
	APRIL 11	JUNE 27	APRIL 14	JUNE 27	APRIL 11	JUNE 27	APRIL 11	JUNE 27
Cladocers								
Alona quadrangularis	0	0	0	0	0	0	0	0
Alona rectangula	0	165	0	0	0	0	0	0
Bosmina longirostris	132,950	0	0	637	182,330	122	37,850	714
Ceriodaphnia lacustris	0	1,322	695	637	2,820	0	2,290	0
Chydorus sp.	0	0	0	0	0	0	0	0
Daphnia ambigua	0	0	695	0	6,580	0	0	0
Daphnia parvula	0	0	0	0	0	0	0	0
Daphnia retrocurva	0	1,157	7,183	637	10,340	659	3,440	268
Diaphanosoma leuchtenbergianum	3,850	826	3,939	778	4,700	171	0	357
Holopedium gibberum	0	0	0	0	0	0	0	0
Ilyocryptus spinifer	0	0	0	0	0	0	0	0
Leptodora kindtii	0	496	0	0	0	0	0	0
Moina micrura	0	0	0	0	0	0	0	0
Moina minuta	0	0	0	0	0	0	0	0
Sida crystallina	0	0	0	0	0	0	0	0
Simocephalus serrulatus	0	165	0	0	0	0	0	0
Total	136,800	4,131	12,512	2,689	206,770	952	43,580	1,339
Copepoda								
Calanoid imm.	960	331	232	1,911	0	269	1,150	179
Cyclopoid imm.	7,710	2,149	12,975	3,751	31,960	977	9,170	1,250
Cyclops bicuspidatus thomasi	1,930	0	463	71	1,880	0	2,290	0
Cyclops vernalis	1,930	351	463	71	5,640	0	2,290	0
Diaptomus pallidus	0	0	0	212	0	146	0	0
Diaptomus reighardi	0	165	232	637	0	366	0	179
Epischura fluviatilis	0	0	0	0	0	220	0	89
Epischura sp.	0	0	0	212	0	0	0	0
Ergasilus imm.	0	0	0	0	0	0	0	0
Mesocyclops edax	960	0	0	849	0	98	0	0
Nauplii	7,710	34,380	8,804	7,431	25,380	1,514	6,880	7,679
Tropocyclops prasinus	0	0	232	71	0	0	0	268
Total	21,200	37,376	23,401	15,216	64,860	3,590	21,780	9,644
Rotifera								
Aspisnchna herricki	3,850	331	0	142	0	0	1,150	1,607
Brachionus angularis	0	1,818	0	71	0	98	0	2,946
Brachionus bennini	0	0	0	0	0	0	0	0
Brachionus bidentata	0	0	0	0	0	0	0	0
Brachionus budapestinensis	0	0	0	0	0	0	0	0
Brachionus calyciflorus	0	0	0	0	0	0	0	0
Brachionus caudatus	0	0	0	0	0	0	0	0
Brachionus havanaensis	0	0	0	0	0	0	0	0
Brachionus quadridentatus	0	0	0	0	0	0	0	0

ZOOPLANKTON DENSITIES (NUMBER/CUBIC METER) IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

	CROSS ROADS MS		BAY SPRINGS LAKE		BL BAY SPRINGS L & D		LOCK D POOL	
	APRIL 11	JUNE 27	APRIL 14	JUNE 27	APRIL 11	JUNE 27	APRIL 11	JUNE 27
Brachionus urceolaris	0	0	0	0	0	0	0	0
Collotheca sp.	0	0	0	71	940	0	3,440	0
Conochiloides sp.	0	165	0	283	0	0	4,590	3,482
Conochilus unicornis	509,630	0	43,095	354	74,250	0	714,450	3,482
Epiphanes macrourus	0	0	0	0	0	0	3,440	0
Filinia longiseta	0	0	0	0	0	0	1,150	268
Hexarthra intermedia	0	0	0	0	0	0	0	0
Kellicottia bostoniensis	0	0	0	0	0	0	0	0
Kellicottia longispina	1,930	0	0	0	0	0	0	0
Keratella cochlearis	0	0	0	0	0	0	0	0
Keratella crassa	0	165	0	0	0	146	1,150	0
Keratella earlinae	0	0	2,085	637	3,760	220	6,880	16,607
Keratella quadrata	0	0	0	0	0	0	0	0
Keratella valga	0	0	0	0	0	0	0	0
Lecane sp.	0	0	0	0	0	0	0	0
Platyias patulus	0	0	0	0	0	0	0	0
Platyias quadricornis	0	0	0	0	0	0	0	0
Ploesoma hudsoni	0	0	0	0	0	0	0	0
Ploesoma truncata	0	0	0	212	0	146	0	357
Polyarthra sp.	960	0	0	8,846	0	781	2,290	357
Rotifera	0	0	0	0	0	0	0	0
Synchaeta sp.	0	0	0	0	0	0	0	0
Synchaeta stylata	1,930	2,479	1,158	1,699	0	0	0	2,500
Trichocerca sp.	0	165	0	283	0	0	0	0
Trichotria sp.	0	0	0	0	0	0	0	3,125
Total	518,300	5,123	46,338	12,598	78,950	1,391	738,540	34,731

ZOOPLANKTON DENSITIES (NUMBER/CUBIC METER) IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988

	LOCK A POOL		ABERDEEN LAKE		BELOW ABERDEEN L & D		BUTTA RIVER BENDWAY	
	APRIL 14	JUNE 28	APRIL 12	JUNE 28	APRIL 12	JUNE 28	APRIL 13	JUNE 29
Cladocera								
Alona quadrangularis	0	0	0	0	0	0	0	0
Alona rectangula	0	54	0	0	0	0	0	0
Bosmina longirostris	180,000	1,732	57,410	919	53,520	0	6,012	380
Ceriodaphnia lacustris	5,630	0	900	0	0	176	0	0
Chydorus sp.	0	0	0	0	0	0	59	0
Daphnia ambigua	7,500	0	900	0	1,800	0	236	0
Daphnia parvula	0	0	0	0	0	0	0	0
Daphnia retrocurva	20,630	108	3,170	0	2,870	528	118	0
Diaphanosoma leuchtenbergianum	18,750	162	450	10,771	1,800	2,993	0	8,750
Holopedium gibberum	1,880	0	450	0	720	0	0	0
Ilyocryptus spinifer	0	0	0	0	0	0	0	0
Leptodora kindtii	0	0	0	0	0	0	0	0
Moina micrura	1,880	0	0	0	0	0	0	0
Moina minuta	0	0	0	0	0	0	0	0
Sida crystallina	0	0	0	263	0	0	0	0
Simocephalus serrulatus	0	0	0	0	0	0	0	0
Total	236,270	2,056	63,280	11,953	60,710	3,697	6,425	9,130
Copepoda								
Calanoid imm.	0	108	900	788	1,440	352	236	760
Cyclopoid imm.	15,000	1,677	4,070	5,254	4,310	1,232	589	2,850
Cyclops bicuspidatus thomasi	0	0	0	0	0	0	0	0
Cyclops vernalis	0	0	0	0	1,440	0	118	0
Diaptomus pallidus	0	0	0	657	0	0	0	0
Diaptomus reighardi	0	0	0	0	0	0	0	0
Epischura fluviatilis	0	108	0	0	0	0	0	0
Epischura sp.	0	0	0	0	0	0	0	0
Ergasilus imm.	0	0	0	0	0	0	0	0
Mesocyclops edax	0	0	0	1,708	0	0	0	0
Nauplii	28,130	12,825	11,300	37,828	10,420	21,303	884	9,510
Tropocyclops prasinus	0	54	450	131	0	0	0	0
Total	43,130	14,772	16,720	46,366	17,610	22,887	1,827	13,120
Rotifera								
Asplanchna herricki	5,630	758	4,520	1,445	3,590	528	413	3,230
Brachionus angularis	0	216	0	657	0	9,155	118	1,140
Brachionus bennini	0	0	0	0	0	0	0	0
Brachionus bidentata	0	0	0	131	0	0	0	0
Brachionus budapestinensis	0	0	0	3,415	0	1,937	59	3,040
Brachionus calyciflorus	0	271	2,710	2,364	6,110	0	1,356	8,560
Brachionus caudatus	0	0	3,620	2,364	360	880	531	0
Brachionus havanaensis	0	0	0	0	0	0	0	0
Brachionus quadridentatus	0	0	0	0	0	0	0	0

ZOOPLANKTON DENSITIES (NUMBER/CUBIC METER) IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

	LOCK A POOL		ABERDEEN LAKE		BELOW ABERDEEN L & D		BUTTA RIVER BENDWAY	
	APRIL 14	JUNE 28	APRIL 12	JUNE 28	APRIL 12	JUNE 28	APRIL 13	JUNE 29
Brachionus urceolaris	0	0	0	0	0	0	0	0
Collotheca sp.	0	0	0	0	0	0	0	0
Conochiloides sp.	0	2,435	0	14,054	0	528	0	116,030
Conochilus unicornis	178,130	1,894	205,240	2,627	158,410	4,930	40,138	14,840
Epiphanes macrourus	3,750	0	0	0	0	0	0	0
Filinia longiseta	0	379	450	131	0	0	118	0
Hexarthra intermedia	0	0	0	0	0	0	0	190
Kellicottia bostoniensis	0	0	450	0	360	0	0	0
Kellicottia longispina	0	0	0	0	0	0	59	0
Keratella cochlearis	0	0	0	0	0	0	0	0
Keratella crassa	0	162	0	525	0	0	118	760
Keratella earlinae	26,250	703	6,780	2,233	13,650	704	3,949	3,230
Keratella quadrata	0	0	0	0	720	0	236	0
Keratella valga	0	0	1,360	0	360	0	0	0
Lecane sp.	0	0	0	0	0	0	0	0
Platyias patulus	0	379	0	0	360	0	0	0
Platyias quadricornis	0	0	0	0	0	0	0	0
Ploesoma hudsoni	7,500	0	900	0	720	0	236	0
Ploesoma truncata	3,750	812	0	0	0	704	0	8,560
Polyarthra sp.	65,630	0	4,070	4,335	6,470	5,810	2,358	0
Rotifera	1,880	0	0	0	0	0	0	0
Synchaeta sp.	0	0	4,520	0	0	0	0	0
Synchaeta stylata	15,000	1,894	0	1,839	6,470	8,627	2,299	570
Trichocerca sp.	0	1,028	0	1,708	0	4,401	0	2,090
Trichotria sp.	0	0	0	0	0	352	177	0
Total	307,520	10,931	234,620	37,828	197,580	38,556	52,165	162,240

ZOOPLANKTON DENSITIES (NUMBER/CUBIC METER) IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988

	COLUMBUS LAKE		BELOW COLUMBUS L & D		COLUMBUS BENDWAY		PRATT CAMP BENDWAY	
	APRIL 13	JUNE 29	APRIL 18	JULY 11	APRIL 18	JULY 11	APRIL 18	JULY 11
Cladocera								
Alona quadrangularis	0	0	0	0	0	0	0	0
Alona rectangula	0	0	0	0	0	0	0	0
Bosmina longirostris	71,180	0	60,560	860	21,834	369	75,790	205
Ceriodaphnia lacustris	1,740	0	0	86	0	615	0	0
Chydorus sp.	1,740	0	1,210	0	1,092	0	0	0
Daphnia ambigua	1,740	0	0	0	0	0	0	0
Daphnia parvula	0	0	0	0	0	0	1,050	0
Daphnia retrocurva	1,740	296	0	0	0	369	0	307
Diaphanosoma leuchtenbergianum	0	2,961	0	10,316	0	4,794	0	1,025
Holopedium gibberum	0	0	0	0	0	0	0	0
Ilyocryptus spinifer	0	0	0	0	0	0	0	0
Leptodora kindtii	0	0	0	0	0	0	0	0
Moina micrura	0	0	0	0	0	0	0	102
Moina minuta	0	0	0	0	0	0	0	0
Sida crystallina	0	0	0	0	0	0	0	0
Simocephalus serrulatus	0	0	0	0	0	0	0	0
Total	78,140	3,257	61,770	11,262	22,926	6,147	76,840	1,639
Copepoda								
Calanoid imm.	1,740	296	0	344	0	123	0	307
Cyclopoid imm.	1,740	592	7,270	1,547	2,729	1,967	4,210	2,869
Cyclops bicuspidatus thomasi	0	0	0	0	0	0	0	0
Cyclops vernalis	0	0	1,210	0	546	0	1,050	102
Diaptomus pallidus	870	148	0	0	0	0	0	0
Diaptomus reighardi	870	0	0	0	0	0	0	0
Epischura fluviatilis	0	0	0	0	0	0	0	0
Epischura sp.	0	0	0	0	0	0	0	0
Ergasilus imm.	0	0	0	0	0	0	0	0
Mesocyclops edax	0	0	0	0	0	615	0	1,230
Nauplii	9,550	6,959	8,480	18,741	5,459	5,040	16,840	13,012
Tropocyclops prasinus	0	0	1,210	0	0	0	0	0
Total	14,770	7,995	18,170	20,632	8,734	7,745	22,100	17,520
Rotifera								
Asplanchna herricki	4,340	1,481	12,110	344	6,550	369	16,840	1,025
Brachionus angularis	0	15,694	0	13,067	546	29,624	1,050	31,557
Brachionus bennini	0	0	0	0	0	0	0	0
Brachionus bidentata	0	0	2,420	0	0	246	0	512
Brachionus budapestinensis	0	11,548	1,210	430	0	4,056	0	2,049
Brachionus calyciflorus	7,810	1,777	14,540	602	9,825	3,319	15,790	5,123
Brachionus caudatus	0	8,143	0	12,036	0	11,677	0	1,742
Brachionus havanaensis	0	0	0	0	0	246	0	0
Brachionus quadridentatus	0	0	1,210	0	1,092	123	0	0

ZOOPLANKTON DENSITIES (NUMBER/CUBIC METER) IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

	COLUMBUS LAKE		BELOW COLUMBUS L & D		COLUMBUS BENDWAY		PRATT CAMP BENDWAY	
	APRIL 13	JUNE 29	APRIL 18	JULY 11	APRIL 18	JULY 11	APRIL 18	JULY 11
Brachionus urceolaris	0	0	0	0	0	246	0	0
Collotheca sp.	0	0	1,210	86	546	123	0	307
Conochiloides sp.	1,740	4,146	2,420	3,611	1,092	738	1,050	820
Conochilus unicornis	543,400	592	70,250	258	48,035	123	132,630	307
Epiphanes macrourus	0	0	0	0	0	0	0	0
Filinia longiseta	0	0	1,210	0	1,092	0	3,160	0
Hexarthra intermedia	0	0	0	0	0	0	0	0
Kellicottia bostoniensis	870	0	8,480	0	4,367	0	7,370	0
Kellicottia longispina	870	0	0	0	546	0	3,160	0
Keratella cochlearis	870	0	1,210	344	0	0	6,320	0
Keratella crassa	5,210	296	1,210	0	0	369	7,370	0
Keratella earlinae	33,850	1,184	49,660	516	27,293	983	140,000	512
Keratella quadrata	1,740	0	0	0	0	0	0	0
Keratella valga	0	0	0	0	0	0	0	0
Lecane sp.	0	0	0	0	0	0	0	0
Platyias patulus	0	0	0	0	0	0	0	102
Platyias quadricornis	0	0	0	0	0	123	0	102
Ploesoma hudsoni	1,740	6,218	4,850	860	1,638	0	1,050	0
Ploesoma truncata	0	0	0	0	546	860	0	717
Polyarthra sp.	27,780	1,332	60,560	1,977	44,214	3,688	45,260	717
Rotifera	0	0	0	0	0	0	0	0
Synchaeta sp.	0	0	150,190	0	62,773	0	18,950	0
Synchaeta stylata	32,120	7,699	0	774	0	3,565	0	2,357
Trichocerca sp.	0	4,294	0	258	0	123	0	4,918
Trichotria sp.	1,740	0	4,850	0	1,092	0	6,320	0
Total	664,080	64,404	387,590	35,163	211,247	60,601	406,320	52,867

ZOOPLANKTON DENSITIES (NUMBER/CUBIC METER) IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988

	ABOVE ALICEVILLE L & D		BELOW ALICEVILLE L & D		BIG CREEK BENDWAY		COOKS BENDWAY	
	APRIL 19	JULY 12	APRIL 19	JULY 12	APRIL 19	JULY 12	APRIL 19	JULY 12
Cladocera								
Alona quadrangularis	0	0	0	0	331	0	0	0
Alona rectangula	0	0	0	0	0	0	0	0
Bosmina longirostris	36,238	184	49,650	351	7,937	732	37,960	329
Ceriodaphnia lacustris	324	184	440	0	331	0	0	165
Chydorus sp.	324	0	890	0	331	0	520	0
Daphnia ambigua	324	0	0	0	0	0	0	0
Daphnia parvula	0	0	0	0	0	0	0	0
Daphnia retrocurva	0	0	0	1,580	0	0	0	0
Diaphanosoma leuchtenbergianum	0	6,791	0	4,565	0	1,463	0	7,414
Holopedium gibberum	0	0	0	0	0	0	0	0
Ilyocryptus spinifer	0	275	0	0	0	0	0	0
Leptodora kindtii	0	0	0	0	0	0	0	0
Moina micrura	0	0	0	0	0	0	0	0
Moina minuta	0	0	0	0	0	0	0	0
Sida crystallina	0	92	0	0	0	0	0	0
Simocephalus serrulatus	0	0	0	0	0	0	0	0
Total	37,210	7,526	50,980	6,496	8,930	2,195	38,480	7,908
Copepoda								
Calanoid imm.	647	275	0	2,107	0	183	0	165
Cyclopoid imm.	2,265	2,845	6,210	878	1,323	915	0	824
Cyclops bicuspidatus thomasi	0	0	0	0	0	0	0	165
Cyclops vernalis	0	0	0	176	0	0	0	0
Diaptomus pallidus	0	0	0	0	0	0	0	0
Diaptomus reighardi	0	92	0	0	0	0	0	165
Epischura fluviatilis	0	0	0	0	0	0	0	165
Epischura sp.	0	0	0	0	0	0	0	0
Ergasilus imm.	0	0	0	0	0	0	0	0
Mesocyclops edax	0	92	0	0	0	0	0	0
Nauplii	1,294	15,602	3,550	16,854	3,307	5,488	1,560	6,096
Tropocyclops prasinus	0	184	0	0	0	0	0	494
Total	4,206	19,090	9,760	20,015	4,630	6,586	1,560	8,074
Rotifera								
Asplanchna herricki	16,501	459	24,380	2,107	5,291	0	29,120	3,130
Brachionus angularis	2,588	33,131	2,660	8,954	0	15,915	5,720	65,074
Brachionus bennini	0	0	0	0	0	366	0	0
Brachionus bidentata	0	0	890	0	0	366	1,560	0
Brachionus budapestinensis	0	5,690	0	1,404	0	549	0	11,532
Brachionus calyciflorus	9,707	17,621	25,710	9,656	1,984	1,646	17,680	7,414
Brachionus caudatus	0	8,352	0	5,442	0	2,561	0	0
Brachionus havanaensis	0	0	440	0	0	183	0	3,954
Brachionus quadridentatus	0	0	890	0	0	0	0	0

ZOOPLANKTON DENSITIES (NUMBER/CUBIC METER) IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

	ABOVE ALICEVILLE L & D		BELOW ALICEVILLE L & D		BIG CREEK BENDWAY		COOKS BENDWAY	
	APRIL 19	JULY 12	APRIL 19	JULY 12	APRIL 19	JULY 12	APRIL 19	JULY 12
Brachionus urceolaris	0	0	0	0	0	0	0	0
Collotheca sp.	324	92	890	0	331	0	2,600	494
Conochiloides sp.	0	11,380	0	4,038	0	183	2,080	7,414
Conochilus unicornis	57,269	7,801	111,260	4,213	331	1,280	216,830	7,084
Epiphanes macrourus	0	0	0	0	0	0	0	0
Filinia longiseta	971	92	440	0	0	0	520	0
Hexarthra intermedia	0	0	0	0	0	0	0	0
Kellicottia bostoniensis	2,912	0	2,660	0	661	0	4,160	0
Kellicottia longispina	0	0	0	0	0	0	0	0
Keratella cochlearis	2,265	0	2,220	0	0	0	13,520	165
Keratella crassa	5,824	0	3,550	0	0	0	3,120	1,153
Keratella earlinae	55,975	0	99,730	0	4,299	0	121,670	329
Keratella quadrata	1,618	0	890	0	0	0	0	0
Keratella valga	0	0	0	0	0	0	0	0
Lecane sp.	0	0	0	0	0	183	0	0
Platyias patulus	0	918	440	0	0	0	0	494
Platyias quadricornis	0	0	0	0	0	0	0	0
Ploesoma hudsoni	324	0	1,330	0	0	0	520	0
Ploesoma truncata	0	0	0	351	0	0	2,080	824
Polyarthra sp.	11,648	367	12,860	176	331	549	5,720	0
Rotifera	0	0	0	0	0	0	0	0
Synchaeta sp.	971	0	7,540	0	992	0	6,240	0
Synchaeta stylata	0	6,608	0	1,756	0	2,378	0	4,283
Trichocerca sp.	0	918	0	351	0	1,463	0	165
Trichotria sp.	0	0	0	0	0	0	0	0
Total	168,897	93,429	298,780	38,448	14,220	27,622	433,140	113,509

ZOOPLANKTON DENSITIES (NUMBER/CUBIC METER) IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988

	ABOVE GAINESVILLE L & D		GAINES-VILLE AL		ABOVE DEMOPOLIS L & D	
	APRIL 19	JULY 13	APRIL 20	JULY 13	APRIL 20	JULY 13
Cladocera						
Alona quadrangularis	0	0	0	0	0	0
Alona rectangula	0	0	0	0	0	0
Bosmina longirostris	39,750	326	46,650	2,803	54,800	7,240
Ceriodaphnia lacustris	0	326	0	140	0	543
Chydorus sp.	0	0	800	0	780	0
Daphnia ambigua	0	0	0	0	0	0
Daphnia parvula	0	0	0	0	0	0
Daphnia retrocurva	0	0	0	0	0	0
Diaphanosoma leuchtenbergianum	0	9,943	0	1,682	0	9,321
Holopedium gibberum	0	0	0	0	0	0
Ilyocryptus spinifer	0	0	0	0	0	0
Leptodora kindtii	0	0	0	0	0	0
Moina micrura	0	163	0	0	0	0
Moina minuta	0	0	0	140	0	0
Sida crystallina	0	0	0	0	0	0
Simocephalus serrulatus	0	0	0	0	0	0
Total	39,750	10,758	47,450	4,765	55,580	17,104
Copepoda						
Calanoid imm.	0	163	0	420	0	452
Cyclopoid imm.	960	2,119	0	2,522	1,570	2,805
Cyclops bicuspidatus thomasi	0	0	0	0	0	0
Cyclops vernalis	0	0	0	0	0	452
Diaptomus pallidus	0	0	0	0	0	0
Diaptomus reighardi	0	163	0	0	0	452
Epischura fluviatilis	0	0	0	0	0	0
Epischura sp.	0	0	0	0	0	0
Ergasilus imm.	0	0	0	0	0	90
Mesocyclops edax	960	326	0	280	0	2,443
Nauplii	5,270	12,225	2,410	11,771	7,050	10,136
Tropocyclops prasinus	0	0	0	0	0	0
Total	7,190	14,996	2,410	14,993	8,620	16,830
Rotifera						
Asplanchna herricki	17,240	0	31,370	420	50,890	181
Brachionus angularis	10,540	11,899	14,480	4,484	4,700	13,394
Brachionus bennini	0	0	0	140	0	0
Brachionus bidentata	9,580	0	0	0	0	0
Brachionus budapestinensis	0	2,282	0	1,401	0	3,982
Brachionus calyciflorus	15,810	7,009	12,870	3,083	21,140	4,796
Brachionus caudatus	0	6,846	0	2,102	780	3,891
Brachionus havanaensis	0	0	0	561	0	0
Brachionus quadridentatus	960	163	1,610	0	0	0

ZOOPLANKTON DENSITIES (NUMBER/CUBIC METER) IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

	ABOVE GAINESVILLE L & D		GAINES-VILLE AL		ABOVE DEMOPOLIS L & D	
	APRIL 19	JULY 13	APRIL 20	JULY 13	APRIL 20	JULY 13
Brachionus urceolaris	0	0	0	280	0	0
Collotheca sp.	1,920	0	3,220	0	38,360	90
Conochiloides sp.	1,440	7,987	0	2,102	0	9,593
Conochilus unicornis	264,850	1,630	142,380	0	95,510	4,253
Epiphanes macrourus	0	0	0	0	0	0
Filinia longiseta	0	0	0	0	0	0
Hexarthra intermedia	0	0	0	0	0	0
Kellicottia bostoniensis	5,750	0	10,460	0	0	0
Kellicottia longispina	0	0	0	0	0	0
Keratella cochlearis	12,450	0	4,020	0	7,830	0
Keratella crassa	18,680	163	13,670	0	34,450	0
Keratella earlinae	181,510	163	213,160	0	418,840	0
Keratella quadrata	480	0	2,410	0	0	0
Keratella valga	0	0	0	0	0	0
Lecane sp.	0	0	0	0	0	0
Platyias patulus	960	652	0	280	0	905
Platyias quadricornis	0	0	0	140	0	0
Ploesoma hudsoni	960	0	0	0	0	0
Ploesoma truncata	2,870	326	1,610	0	0	1,538
Polyarthra sp.	60,820	815	210,750	1,962	136,220	362
Rotifera	0	0	0	0	0	0
Synchaeta sp.	8,140	0	17,700	0	48,540	0
Synchaeta stylata	0	3,097	0	701	0	2,624
Trichocerca sp.	0	489	0	0	0	0
Trichotria sp.	9,580	0	8,040	0	6,260	0
Total	624,540	43,521	687,750	17,656	863,520	45,609

APPENDIX TVA

TENNESSEE VALLEY AUTHORITY DATA

PERIPHYTON DENSITIES

(TVA-57 FOLLOWS)

PERIPHYTON DENSITIES (NUMBER/SQUARE CENTIMETER) IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988

		CROSS ROADS MS	BAY SPRINGS LAKE	BL BAY SPRINGS L & D	LOCK D POOL	LOCK A POOL	ABERDEEN LAKE	BELOW ABERDEEN L & D	BUTTA RIVER BENDWAY	COLUMBUS LAKE	COOKS BENDWAY	GAINES VILLE AL
		JUL 27	JUL 27	JUL 27	JUL 27	JUL 26	JUL 26	JUL 26	JUL 26	JUL 26	AUG 9	AUG 10
Chlorophyta												
Closteridium		75	0	0	0	0	0	0	0	0	0	0
Cosmarium		112	0	0	0	0	0	75	56	0	93	0
Micractinium		0	0	0	0	0	0	2,205	0	0	0	0
Mougeotia		822	542	710	0	0	3,456	0	318	934	0	747
Oedogonium		0	0	0	0	0	0	0	0	0	0	504
Pediastrum		0	0	0	0	0	0	0	0	0	374	0
Scenedesmus		673	75	0	149	0	149	0	0	75	1,457	1,102
Stigeoclonium		7,772	2,410	579	0	0	2,055	1,177	3,830	1,233	14,778	9,528
	Total	9,454	3,027	1,289	149	0	5,660	3,457	4,204	2,242	16,702	11,881
Chrysophyta												
Achnanthes		15,394	11,396	16,870	18,739	1,177	0	0	0	0	0	0
Cocconeis		448	0	0	0	0	206	411	336	355	0	0
Cymbella		841	280	0	187	0	262	299	299	430	448	318
Eunotia		0	0	0	0	0	0	75	75	0	75	112
Fragilaria		0	224	0	0	0	0	0	0	0	0	0
Gomphonema		934	486	504	224	187	0	0	318	579	336	187
Gyrosigma		0	0	0	0	0	0	37	0	0	0	37
Mallomonas		0	0	0	0	0	318	0	0	0	0	0
Melosira		0	0	0	262	187	0	112	710	747	1,383	206
Navicula		1,270	131	0	0	0	336	187	206	542	467	243
Nitzschia		224	37	0	0	0	523	262	635	355	0	0
Stephanodiscus		0	0	0	0	0	0	0	0	0	75	37
Synedra		224	149	0	0	430	0	0	0	131	112	149
	Total	19,335	12,703	17,374	19,412	1,981	1,645	1,383	2,579	3,139	2,896	1,289
Cyanophyta												
Oscillatoria		0	0	1,046	0	0	0	0	0	0	0	0
	Total	0	0	1,046	0	0	0	0	0	0	0	0

(TVA-59 follows)

APPENDIX TVA

TENNESSEE VALLEY AUTHORITY DATA

PERIPHYTON AUTOTROPHIC INDICES

(TVA-61 FOLLOWS)

CHLOROPHYLL/BIOMASS ANALYSES IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988

STORET STATION DESCRIPTION	DATE	REP. NO.	PAM2	PI	CBM2	CCM2	CAM2	AFOW	AI	CCAM2	CAI
03592824	27JUL88	1	1.80	1.45	0.57	1.16	4.38	1407.53	321.26	3.22	437.31
TTW at Cross		2	7.07	1.21	0.38	1.80	7.45	2106.16	282.62	3.07	685.53
Roads, MS		3	9.26	1.26	0.60	2.24	11.28	2407.53	213.53	5.49	438.83
		4	7.85	1.13	1.10	1.41	6.59	2684.25	407.42	1.83	1467.79
		5	0.17	1.68	0.44	1.12	5.67	2066.44	364.24	5.41	381.74
		6	11.31	1.12	0.30	1.54	9.37	2558.90	273.15	2.41	1060.04
		7	6.69	1.17	0.30	0.93	6.25	2578.77	412.64	2.12	1215.61
		8	5.36	1.17	0.00	0.30	5.12	2091.78	408.79	1.76	1191.48
343140088192235	27JUL88	1	4.48	1.14	0.00	0.16	3.94	1377.40	349.80	1.10	1255.31
TTW Bay Springs		2	1.05	1.58	0.00	0.36	5.88	2032.88	345.67	5.05	402.76
Lake Navigation		3	0.36	1.65	0.00	0.35	5.05	1817.12	359.56	4.61	394.30
Mile 412.3		4	2.84	1.33	0.00	0.15	4.37	1741.78	398.14	2.49	700.32
		5	0.55	1.63	0.00	0.01	5.35	2186.30	408.51	4.83	452.84
		6	3.31	1.24	0.00	0.16	3.91	1796.58	460.05	1.76	1023.33
		7	3.26	1.29	0.00	0.13	4.38	1922.60	439.22	2.27	847.83
		8	5.93	1.13	0.00	0.00	5.09	2339.04	459.15	1.39	1682.93
02430005	27JUL88	1	5.80	1.23	0.46	0.00	6.47	1991.78	307.99	2.85	698.17
TTW below Bay		2	6.82	1.11	0.00	0.12	5.59	1723.97	308.45	1.32	1309.30
Springs L&D, MS		3	11.98	1.10	0.00	0.57	9.49	2034.25	214.27	2.05	993.18
		4	1.59	1.56	0.00	0.31	7.55	2370.55	313.92	6.29	376.82
		5	10.80	1.15	0.00	0.92	9.78	2880.14	294.46	3.07	937.44
		6	8.38	1.17	0.00	0.45	8.03	2001.37	249.19	2.78	719.99
		7	0.86	1.60	0.00	0.18	6.28	1808.90	287.98	5.49	329.71
		8	8.54	1.15	0.00	0.27	7.75	2209.59	285.16	2.41	915.33
342201088242935	27JUL88	1	4.38	1.19	0.00	0.00	4.38	1528.08	348.93	1.61	949.52
TTW Lock "D" Pool		2	3.72	1.30	0.27	0.00	5.14	1704.79	331.59	2.78	613.30
Sedimentation		3	5.00	1.17	0.00	0.00	4.75	1528.77	321.80	1.61	949.95
Range 1AD		4	3.86	1.19	0.00	0.00	3.95	1595.21	404.16	1.46	1090.36
		5	2.47	1.28	0.00	0.00	3.33	7728.08	2321.95	1.68	4593.31
		6	1.87	1.37	0.00	0.00	3.42	1525.34	445.76	2.12	719.04
		7	2.35	1.39	0.11	0.00	4.47	1904.11	426.37	2.93	650.75
		8	3.20	1.16	0.00	0.00	3.00	1107.53	368.60	0.95	1164.65
340103088285435	26JUL88	1	0.00	2.63	0.00	0.00	0.67	214.38	318.49	0.67	318.49
TTW Lock "A" Pool		2	1.03	1.36	0.59	0.00	1.72	271.92	157.85	1.10	247.82
Sedimentation		3	0.00	2.17	0.01	0.00	0.20	104.11	514.17	0.20	514.17
Range 1AA		4	0.51	1.32	0.21	0.23	0.75	139.04	186.10	0.44	316.79
		5	0.05	1.60	0.17	0.27	0.36	600.00	1673.54	0.33	1822.72
		6	0.08	1.62	0.28	0.21	0.71	119.86	168.71	0.66	182.06
		7	0.66	1.34	0.22	0.07	1.03	342.47	332.81	0.62	550.78
		8	0.00	2.00	0.00	0.04	0.89	269.18	303.45	0.89	303.45

CHLOROPHYLL/BIOMASS ANALYSES IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988

STORET STATION DESCRIPTION	DATE	REP. NO.	PAM2	PI	CBM2	CCM2	CAM2	AFOW	AI	CCAM2	CAI
3350080883113335	26JUL88	1	1.40	1.60	1.42	1.25	9.53	3642.47	382.03	8.49	429.26
TTW Aberdeen		2	13.66	1.20	4.84	2.50	13.63	1515.75	111.19	5.49	276.28
Lake Sedimentation		3	3.46	1.55	2.63	1.03	15.26	2726.71	178.71	12.87	211.79
Range 1A		4	0.00	2.02	3.84	3.96	19.35	3310.27	171.07	19.35	171.07
		5	0.97	1.64	2.07	1.15	10.89	2502.05	229.71	10.09	247.86
		6	6.35	1.17	0.49	0.43	5.96	1154.79	193.79	2.05	563.80
		7	7.30	1.39	1.18	1.22	13.99	1873.29	133.88	9.29	201.64
		8	14.09	1.11	1.09	1.01	11.31	1763.70	155.89	2.71	651.63
02437101	26JUL88	1	4.17	1.32	0.00	0.00	6.27	2036.30	324.71	3.51	579.94
Tombigbee River		2	12.53	1.13	1.63	0.51	10.40	2085.62	200.49	2.78	750.30
below Aberdeen		3	5.49	1.20	0.16	0.60	5.61	1596.58	284.71	2.19	727.53
L&D, MS		4	7.94	1.08	0.00	0.55	5.93	1780.14	300.41	1.02	1738.23
		5	5.33	1.19	0.51	0.56	5.33	2078.77	389.93	2.05	1014.91
		6	8.37	1.16	1.21	0.41	7.59	1826.71	240.63	2.49	734.47
		7	8.57	1.07	0.58	0.65	6.17	2918.49	473.14	0.95	3069.00
		8	12.13	1.07	1.47	0.91	8.72	2641.78	302.89	1.39	1900.75
333927088304935	26JUL88	1	1.96	1.41	0.18	0.42	4.14	1341.78	324.19	2.85	470.33
TTW Columbus		2	9.73	1.17	1.07	1.81	9.02	2191.78	242.89	3.07	713.39
Lake Buttahatchee		3	5.44	1.21	1.35	0.78	5.64	3370.55	597.79	2.34	1439.90
River Bendway 26A		4	12.88	1.12	2.09	1.03	10.42	3167.81	303.93	2.63	1202.92
		5	9.72	1.11	0.73	0.77	7.84	2442.47	311.41	1.90	1284.21
		6	11.36	1.10	0.54	1.03	8.85	3925.34	443.29	1.90	2063.89
		7	4.12	1.13	0.05	0.03	3.50	1546.58	442.23	0.95	1626.33
		8	1.76	1.30	0.11	0.00	2.43	697.26	286.52	1.32	529.55
3331190882914 35	26JUL88	1	3.64	1.17	0.00	0.03	3.45	15685.62	4552.96	1.17	13401.8
TTW Columbus Lake		2	0.94	1.17	0.00	0.00	0.88	34598.63	39150.86	0.29	118,244
Sedimentation		3	4.59	1.21	0.26	0.19	4.87	2083.56	427.83	2.01	1035.75
Range 1A		4	1.93	1.62	0.00	0.00	15.89	3814.38	239.99	14.04	271.58
		5	5.19	1.18	0.27	0.03	5.04	6881.51	1364.68	1.83	3762.92
		6	1.59	1.27	0.00	0.00	2.00	1302.74	652.97	0.99	1319.18
		7	4.48	1.16	0.13	0.49	4.09	2553.42	624.74	1.32	1939.24
		8	7.97	1.15	0.00	0.81	7.20	8845.21	1228.66	2.25	3932.28
02447010	10AUG88	1	8.00	1.12	0.11	0.56	6.61	4603.42	696.23	1.68	2736.12
Tombigbee River		2	3.61	1.20	0.00	0.18	3.72	1974.66	530.88	1.46	1349.72
(Cooks Bend) near		3	8.83	1.07	0.15	0.82	6.36	4741.10	745.95	0.95	4985.59
Warsaw, AL		4	8.35	1.12	1.00	1.07	6.76	3794.52	561.65	1.68	2255.33
02449000	10AUG88	1	8.27	1.16	0.00	1.26	7.61	2987.67	392.40	2.49	1201.26
Tombigbee River		2	8.90	1.06	0.29	1.23	6.31	2842.47	450.53	0.88	3238.14
at Gainesville,		3	7.32	1.09	0.24	0.80	5.51	2932.19	532.60	1.02	2863.16
AL		4	8.53	1.11	0.33	1.50	6.83	3245.89	474.95	1.61	2016.94

APPENDIX TVA

TENNESSEE VALLEY AUTHORITY DATA

BENTHIC MACROINVERTEBRATE DENSITIES

(TVA - 65 FOLLOWS)

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES
IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988

	CROSS ROADS MS						BAY SPRINGS LAKE						BL BAY SPRINGS L & D					
	APRIL 11			JUNE 27			APRIL 11			JUNE 27			APRIL 11			JUNE 27		
	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90
Annelida																		
Hirudinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pharyngobdellida																		
Erpobdellidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhynchobdellida																		
Glossiphoniidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oligochaeta	6	18	30	36	242	568	12	6	48	175	0	12	24	6	30	48	296	24
Plesiopora																		
Branchiura sowerbyi	30	6	54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arthropoda																		
Crustacea																		
Amphipoda	6	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyalella azteca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isopoda																		
Lirceus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysidacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Insecta																		
Coleoptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Berosus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dubiraphia sp.	0	0	0	0	6	6	0	0	0	0	0	0	0	0	0	0	0	0
Dytiscidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elmidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Optioservus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenelmis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ablabesmyia sp.	30	0	24	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0
Bezzia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ceratopogonidae	18	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0
Chaoborus sp.	18	12	24	0	30	18	175	6,049	2,949	84	205	206	0	6	0	30	42	48
Chironomidae	60	30	30	12	6	12	67	12	18	61	0	30	6	6	48	61	0	55
Chironomus sp.	55	60	326	0	0	0	6	199	187	0	6	6	0	0	0	0	6	0
Coelotanypus sp.	278	169	448	97	91	42	24	0	0	6	0	12	0	0	0	0	0	0
Cryptochironomus sp.	30	24	30	0	24	6	30	18	6	12	0	0	0	0	6	67	0	24
Dicrotendipes sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Einfeldia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Epoicocladius sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eukiefferiella sp.	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glyptotendipes sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parachironomus sp.	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0
Pericoma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

	CROSS ROADS MS						BAY SPRINGS LAKE						BL BAY SPRINGS L & D					
	APRIL 11			JUNE 27			APRIL 11			JUNE 27			APRIL 11			JUNE 27		
	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90
Polypedilum sp.	12	0	24	12	0	18	0	0	0	0	0	0	0	0	0	0	0	0
Procladius sp.	97	36	176	6	6	36	12	24	12	6	6	0	6	0	6	0	0	0
Pseudochironomus	0	0	0	0	0	0	0	0	0	284	6	0	0	0	0	0	12	0
Simuliidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenochironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stictochironomus sp.	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0
Tanypus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Xenochironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephemeroptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Baetidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Baetis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caenis sp.	12	6	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0
Callibaetis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hexagenia bilineata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hexagenia sp.	42	48	18	6	0	0	12	0	0	0	0	18	0	0	0	0	0	0
Isonychia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenonema sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tricorythodes sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemiptera																		
Corixidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Megaloptera																		
Sialis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Odonata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Argia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corduliidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Enallagma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gomphidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perithemis tenera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plecoptera																		
Perlidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trichoptera	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0
Cheumatopsyche sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chimarra sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyrnellus fraternus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydroptilidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptoceridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oecetis avara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oecetis sp.	0	0	0	0	0	0	6	0	0	12	0	12	0	0	0	0	0	0
Phylocentropus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0
Polycentropus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

	CROSS ROADS MS						BAY SPRINGS LAKE						BL BAY SPRINGS L & D					
	APRIL 11			JUNE 27			APRIL 11			JUNE 27			APRIL 11			JUNE 27		
	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90
Bryozoa																		
Phylactolaemata																		
Plumatellina																		
Pectinatella magnifica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mollusca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heterodontida																		
Corbicula manilensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corbicula sp.	73	24	42	18	6	0	157	42	0	48	0	67	6	67	6	18	284	0
Eupera cubensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Obliquaria reflexa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Proptera sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Psidium sp.	0	0	0	0	0	0	0	0	0	12	0	6	0	0	0	0	0	0
Sphaerium sp.	42	6	36	6	12	0	0	0	0	0	0	0	0	6	24	0	0	0
Unionidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Basommatophora																		
Ferrissia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mesogastropoda																		
Campeloma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemata	0	0	0	6	6	6	0	0	0	0	0	0	0	0	0	0	0	0
Platyhelminthes																		
Turbellaria																		
Tricladida																		
Planariidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988

	LOCK D POOL						LOCK A POOL						MACKEYS CREEK					
	APRIL 11			JUNE 27			APRIL 12			JUNE 28			APRIL 11			JUNE 27		
	10	50	90	10	50	90	10	50	90	10	50	90	10*	50*	90*	10*	50*	90*
Annelida																		
Hirudinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pharyngobdellida																		
Erpobdellidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhynchobdellida																		
Glossiphoniidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oligochaeta	103	315	36	411	85	1,184	206	242	327	1,209	115	103	0	0	0	172	127	127
Plesiopora																		
Branchiura sowerbyi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arthropoda																		
Crustacea																		
Amphipoda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyalella azteca	0	0	0	0	0	0	0	0	0	0	67	0	0	0	0	0	0	0
Isopoda																		
Lirceus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysidacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Insecta																		
Coleoptera	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0
Berosus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dubiraphia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dytiscidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elmidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Optioservus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenelmis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	36
Diptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ablabesmyia sp.	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bezzia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ceratopogonidae	6	0	0	0	0	0	0	0	24	0	18	0	0	0	0	0	36	36
Chaoborus sp.	187	42	24	79	103	61	42	0	12	36	0	42	0	0	0	0	0	0
Chironomidae	127	85	60	48	30	48	308	48	157	72	121	6	129	215	388	36	163	163
Chironomus sp.	103	6	157	0	223	0	30	0	109	67	36	12	0	0	0	0	0	0
Coelotanypus sp.	91	0	18	0	24	0	6	0	133	24	24	18	0	0	0	0	0	0
Cryptochironomus sp.	6	42	48	24	0	61	85	18	6	0	36	0	0	0	0	18	36	36
Dicrotendipes sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Einfeldia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Epoicocladius sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eukiefferiella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glyptotendipes sp.	0	0	0	0	61	24	0	0	0	0	6	6	0	0	0	0	0	0
Parachironomus sp.	0	0	0	6	0	0	12	0	0	0	139	0	0	0	0	0	0	0
Pericoma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

	LOCK D POOL						LOCK A POOL						MACKEYS CREEK					
	APRIL 11			JUNE 27			APRIL 12			JUNE 28			APRIL 11			JUNE 27		
	10	50	90	10	50	90	10	50	90	10	50	90	10*	50*	90*	10*	50*	90*
Polypedilum sp.	0	18	24	0	0	42	18	0	0	0	0	0	54	0	36	0	0	0
Procladius sp.	284	30	332	109	181	115	24	6	42	42	18	6	0	0	0	0	0	0
Pseudochironomus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Simuliidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenochironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	36
Stictochironomus sp.	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0
Tanypus sp.	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0
Xenochironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephemeroptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Baetidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Baetis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caenis sp.	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0
Callibaetis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hexagenia bilineata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hexagenia sp.	0	0	0	0	0	0	0	12	0	0	6	6	0	0	0	0	0	0
Isonychia sp.	0	0	0	0	0	0	0	0	0	0	0	0	43	0	0	0	0	0
Stenonema sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43	43
Tricorythodes sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemiptera																		
Corixidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Megaloptera																		
Sialis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Odonata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Argia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	18
Cordulilidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Enallagma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gomphidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perithemis tenera	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0
Plecoptera																		
Perlidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trichoptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheumatopsyche sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chimarra sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyrnellus fraternus	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydroptilidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptoceridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	18
Oecetis avara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oecetis sp.	0	0	0	6	0	0	0	0	0	0	12	0	0	0	0	0	0	0
Phylocentropus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polycentropus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

	LOCK D POOL						LOCK A POOL						MACKEYS CREEK					
	APRIL 11			JUNE 27			APRIL 12			JUNE 28			APRIL 11			JUNE 27		
	10	50	90	10	50	90	10	50	90	10	50	90	10*	50*	90*	10*	50*	90*
Bryozoa																		
Phylactolaemata																		
Plumatellina																		
Pectinatella magnifica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mollusca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heterodontida																		
Corbicula manilensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corbicula sp.	0	6	0	30	6	0	0	60	30	0	0	0	0	0	0	91	0	0
Eupera cubensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Obliquaria reflexa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Proptera sp.	0	0	0	12	6	0	0	0	0	0	0	0	0	0	0	0	0	0
Psidium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerium sp.	0	0	0	0	0	0	12	0	0	0	12	6	0	0	0	0	0	0
Unionidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Basommatophora																		
Ferrissia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43	0	0	0
Mesogastropoda																		
Campeloma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemata	0	0	0	6	0	0	0	0	0	6	0	0	0	0	0	0	0	0
Platyhelminthes																		
Turbellaria																		
Tricladida																		
Planariidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* Number based on one sample.

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988

	TOWN CREEK						AMORY MS						ABERDEEN LAKE					
	APRIL 12			JUNE 28			APRIL 12			JUNE 28			APRIL 12			JUNE 28		
	10	50*	90	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90
Annelida																		
Hirudinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pharyngobdellida																		
Erpobdellidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhynchobdellida																		
Glossiphoniidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oligochaeta	0	0	0	0	57	445	12	0	6	212	0	0	30	54	12	296	248	60
Plesiopora																		
Branchiura sowerbyi	0	0	0	0	0	0	0	0	0	0	0	0	67	0	6	0	0	0
Arthropoda																		
Crustacea																		
Amphipoda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyalella azteca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isopoda																		
Lirceus sp.	6	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysidacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Insecta																		
Coleoptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Berosus sp.	0	0	0	14	14	0	0	0	0	0	0	0	0	0	0	0	0	0
Dubiraphia sp.	0	0	0	14	14	158	0	0	0	0	0	0	0	0	0	0	0	0
Dytiscidae	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elmidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Optioservus sp.	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0
Stenelmis sp.	0	0	0	0	0	57	0	0	0	0	0	0	0	0	0	0	0	0
Diptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ablabesmyia sp.	6	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0
Bezzia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ceratopogonidae	0	9	0	57	445	86	0	0	0	18	0	0	6	18	6	0	0	0
Chaoborus sp.	6	27	6	0	57	0	0	0	6	18	18	0	30	0	12	121	0	18
Chironomidae	18	73	215	947	1,995	1,794	429	236	326	109	157	0	30	0	0	0	0	54
Chironomus sp.	0	0	0	0	201	2,282	0	0	0	0	0	0	163	302	224	85	0	834
Coelotanypus sp.	0	0	0	0	0	0	0	0	0	24	0	0	78	187	236	157	0	48
Cryptochironomus sp.	0	0	0	589	1,435	1,177	6	0	0	6	0	0	42	0	18	18	0	36
Dicrotendipes sp.	0	0	0	172	1,435	1,349	0	0	0	0	0	0	0	0	0	0	0	0
Einfeldia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Epoicocladius sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eukiefferiella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glyptotendipes sp.	0	0	0	144	201	229	0	0	0	0	0	0	0	0	0	0	12	0
Parachironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pericoma sp.	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

	TOWN CREEK						AMORY MS						ABERDEEN LAKE					
	APRIL 12			JUNE 28			APRIL 12			JUNE 28			APRIL 12			JUNE 28		
	10	50*	90	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90
Polypedilum sp.	0	0	0	215	14	86	0	0	0	0	0	0	0	0	0	0	0	0
Procladius sp.	14	0	0	0	0	0	0	0	0	12	0	0	236	66	103	30	0	18
Pseudochironomus	0	0	0	215	14	0	0	0	0	0	0	0	0	0	0	0	0	0
Simuliidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenochironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stictochironomus sp.	0	0	0	258	24	85	0	0	0	0	0	0	0	0	0	0	0	0
Tanypus sp.	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	54	0	61
Xenochironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephemeroptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Baetidae	0	0	0	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Baetis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caenis sp.	12	18	6	14	0	100	0	0	0	0	0	0	0	0	0	0	0	0
Callibaetis sp.	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0
Hexagenia bilineata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hexagenia sp.	0	0	0	0	0	0	0	0	0	18	0	0	0	6	0	0	0	36
Isonychia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenonema sp.	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0
Tricorythodes sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemiptera																		
Corixidae	0	0	0	1,091	0	115	0	0	0	0	0	0	0	0	0	0	0	0
Megaloptera																		
Sialis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Odonata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Argia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corduliidae	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0
Enallagma sp.	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gomphidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perithemis tenera	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0
Plecoptera																		
Perlidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0
Trichoptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheumatopsyche sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chimarra sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyrnellus fraternus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydroptilidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptoceridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oecetis avara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oecetis sp.	0	0	0	0	0	29	0	0	0	0	0	0	0	0	0	0	0	0
Phylocentropus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polycentropus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

	TOWN CREEK						AMORY MS						ABERDEEN LAKE					
	APRIL 12			JUNE 28			APRIL 12			JUNE 28			APRIL 12			JUNE 28		
	10	50*	90	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90
Bryozoa																		
Phylactolaemata																		
Plumatellina																		
Pectinatella magnifica	0	0	0	0	0	0	0	0	0	0	0	0	0	18	12	0	0	0
Mollusca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heterodontida																		
Corbicula manilensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corbicula sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eupera cubensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Obliquaria reflexa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Proptera sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Psidium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Unionidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Basommatophora																		
Ferrissia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mesogastropoda																		
Campeloma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemata	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Platyhelminthes																		
Turbellaria																		
Tricladida																		
Planariidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* Number based on two samples.

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988

	BELOW ABERDEEN L & D						MCKINLEY CREEK BENDWAY						BUTTA RIVER BENDWAY					
	APRIL 12			JUNE 28			APRIL 13			JUNE 29			APRIL 13			JUNE 29		
	10	50	90	10	50*	90	10	50	90	10	50	90	10	50	90	10	50	90
Annelida																		
Hirudinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pharyngobdellida																		
Erpobdellidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhynchobdellida																		
Glossiphoniidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0
Oligochaeta	115	151	163	181	199	97	242	97	278	187	42	332	218	121	302	254	187	157
Plesiopora																		
Branchiura sowerbyi	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0
Arthropoda																		
Crustacea																		
Amphipoda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyalella azteca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isopoda																		
Lirceus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysidacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Insecta																		
Coleoptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Berosus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dubiraphia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	12
Dytiscidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elmidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Optioservus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenelmis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ablabesmyia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bezzia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cerstopogonidae	0	0	0	0	0	0	0	30	42	12	0	0	12	0	18	0	0	6
Chsoborus sp.	0	6	0	284	36	84	0	6	6	139	586	0	6	6	24	181	175	12
Chironomidae	48	48	91	73	36	54	0	0	12	133	0	91	73	42	54	181	18	121
Chironomus sp.	0	0	0	12	0	12	115	0	24	42	0	0	12	6	36	206	199	36
Coelotanypus sp.	6	0	0	18	0	12	0	78	54	85	109	54	36	0	18	115	73	60
Cryptochironomus sp.	0	0	0	0	0	48	12	0	0	12	0	61	54	73	36	0	6	24
Dicrotendipes sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Einfeldia sp.	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Epoicocladius sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Eukiefferiella sp.	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0
Glyptotendipes sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Parachironomus sp.	0	0	0	0	0	0	0	0	6	0	0	54	0	0	0	0	0	0
Pericoma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

	BELOW ABERDEEN L & D						MCKINLEY CREEK BENDWAY						BUTTA RIVER BENDWAY					
	APRIL 12			JUNE 28			APRIL 13			JUNE 29			APRIL 13			JUNE 29		
	10	50	90	10	50*	90	10	50	90	10	50	90	10	50	90	10	50	90
Polypedilum sp.	0	0	0	0	0	0	6	0	6	0	0	0	0	6	0	6	0	18
Procladius sp.	0	0	0	36	0	0	12	6	12	103	0	42	18	0	12	109	6	30
Pseudochironomus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Simuliidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenochironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stictochironomus sp.	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	163	6	30
Tanypus sp.	0	0	0	0	0	0	0	6	0	12	0	0	0	0	0	79	103	61
Xenochironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephemeroptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Baetidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Baetis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caenis sp.	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0
Callibaetis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hexagenia bilineata	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0
Hexagenia sp.	0	0	0	0	0	6	0	0	115	42	0	12	36	0	0	48	6	24
Isonychia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenonema sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tricorythodes sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemiptera																		
Corixidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Megaloptera																		
Sialis sp.	0	0	0	0	0	0	0	0	0	61	0	12	0	0	0	18	6	18
Odonata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Argia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corduliidae	0	0	0	0	0	0	0	0	0	6	0	6	0	0	0	0	0	0
Enallagma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gomphidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perithemis tenera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plecoptera																		
Perlidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trichoptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheumatopsyche sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chimarra sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyrnellus fraternus	0	0	0	6	18	0	0	0	0	85	0	0	0	0	0	0	0	12
Hydroptilidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptoceridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oecetis avara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oecetis sp.	0	0	0	12	0	0	0	0	0	0	0	6	0	0	0	0	0	0
Phylocentropus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polycentropus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

	BELOW ABERDEEN L & D						MCKINLEY CREEK BENDWAY						BUTTA RIVER BENDWAY					
	APRIL 12			JUNE 28			APRIL 13			JUNE 29			APRIL 13			JUNE 29		
	10	50	90	10	50*	90	10	50	90	10	50	90	10	50	90	10	50	90
Bryozoa																		
Phylactolaemata																		
Plumatellina																		
Pectinatella magnifica	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0
Mollusca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heterodontida																		
Corbicula manilensis	0	0	109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corbicula sp.	194	60	0	0	0	18	0	0	0	6	0	0	42	42	12	6	0	0
Eupera cubensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Obliquaria reflexa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Proptera sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Psidium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	24
Unionidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Basommatophora																		
Ferrissia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mesogastropoda																		
Campeloma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemata	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0
Platyhelminthes																		
Turbellaria																		
Tricladida																		
Planariidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* Number based on one sample.

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES
IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988

	KOLOLA SPRINGS MS						TIBBEE CREEK						COLUMBUS LAKE					
	APRIL 13			JUNE 29			APRIL 13			JUNE 29			APRIL 13			JUNE 29		
	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90
Annelida																		
Hirudinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pharyngobdellida																		
Erpobdellidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhynchobdellida																		
Glossiphoniidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oligochaets	24	6	0	86	57	57	109	423	30	60	30	181	54	36	73	18	18	18
Plesiopora																		
Branchiura sowerbyi	0	0	0	14	0	0	0	0	0	0	0	6	0	0	0	0	0	0
Arthropoda																		
Crustaces																		
Amphipoda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyalells azteca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isopoda																		
Lirceus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysidacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Insecta																		
Coleoptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Berosus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dubiraphia sp.	0	6	6	14	0	0	0	0	0	0	12	42	0	0	0	0	0	0
Dytiscidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elmidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Optioservus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenelmis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diptera	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0
Ablabesmyia sp.	0	0	0	0	0	14	0	18	0	0	0	24	0	12	0	0	0	0
Bezzia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ceratopogonidae	6	30	0	0	43	29	24	18	12	0	6	0	36	12	0	0	0	0
Chaoborus sp.	12	0	0	0	0	0	12	30	6	490	732	302	24	48	30	272	236	236
Chironomidae	42	42	54	100	229	632	91	0	30	0	6	54	18	12	0	24	18	18
Chironomus sp.	0	0	0	0	0	14	97	73	24	0	0	12	223	6	157	42	97	97
Coelotanypus sp.	0	0	6	0	0	0	0	55	0	0	0	6	97	48	79	97	73	73
Cryptochironomus sp.	0	12	0	72	14	14	0	6	12	0	0	6	61	6	6	12	0	0
Dicrotendipes sp.	0	0	0	0	359	229	0	0	0	0	0	0	0	0	0	0	0	0
Einfeldia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Epoicocladius sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eukiefferiella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glyptotendipes sp.	0	0	0	14	14	0	0	0	0	0	0	0	0	0	0	0	0	0
Parschironomus sp.	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pericoma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

	KOLOLA SPRINGS MS						TIBBEE CREEK						COLUMBUS LAKE					
	APRIL 13			JUNE 29			APRIL 13			JUNE 29			APRIL 13			JUNE 29		
	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90
Polypedilum sp.	0	0	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Procladius sp.	29	57	0	54	14	57	0	6	0	0	6	0	224	66	67	24	0	0
Pseudochironomus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Simuliidae	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0
Stenochironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stictochironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tanypus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	48	48
Xenochironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephemeropters	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0
Baetidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Baetis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caenis sp.	0	0	0	0	29	72	6	0	6	0	0	0	0	0	0	0	0	0
Callibaetis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hexagenia bilineata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hexagenia sp.	67	48	0	0	0	0	0	0	0	0	0	42	18	60	42	6	12	12
Isonychia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenonema sp.	0	0	0	0	6	24	0	0	0	0	0	0	0	0	0	0	0	0
Tricorythodes sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemiptera																		
Corixidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Megaloptera																		
Sialis sp.	0	0	0	0	0	0	0	0	0	0	6	54	0	0	0	0	0	0
Odonata	0	0	0	0	0	0	0	0	6	0	0	0	0	0	6	0	0	0
Argia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corduliidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Enallagma sp.	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0
Gomphidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perithemis tenera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plecoptera																		
Perlidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trichoptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheumatopsyche sp.	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0
Chimarra sp.	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyrnellus fraternus	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0
Hydroptilidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptoceridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oecetis avara	0	6	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oecetis sp.	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0
Phylocentropus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polycentropus sp.	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

	KOLOLA SPRINGS MS						TIBBEE CREEK						COLUMBUS LAKE					
	APRIL 13			JUNE 29			APRIL 13			JUNE 29			APRIL 13			JUNE 29		
	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90
Bryozoa																		
Phylactolaemata																		
Plumatellina																		
Pectinatella magnifica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0
Mollusca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heterodontida																		
Corbicula manilensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corbicula sp.	0	12	6	0	0	14	12	6	24	0	0	0	0	12	0	0	0	0
Eupera cubensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Obliquaria reflexa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Proptera sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Psidium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerium sp.	0	0	0	0	14	0	0	0	0	0	0	12	0	0	0	0	24	24
Unionidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Basommatophora																		
Ferrissia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mesogastropoda																		
Campeloma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemata	6	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0
Platyhelminthes																		
Turbellaria																		
Tricladida																		
Planariidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988

	BELOW COLUMBUS L & D						COLUMBUS BENDWAY						LUX CREEK					
	APRIL 18			JULY 13			APRIL 18			JULY 13			APRIL 13			JUNE 29		
	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90
Annelida																		
Hirudinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0
Pharyngobdellida																		
Erpobdellidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhynchobdellida																		
Glossiphoniidae	0	0	0	0	0	0	6	6	0	0	0	0	0	0	0	0	0	0
Oligochaeta	0	24	103	103	109	73	79	109	67	42	6	6	187	29	14	273	0	143
Plesiopora																		
Branchiura sowerbyi	0	0	0	0	0	6	0	36	0	12	12	12	14	0	0	14	0	43
Arthropoda																		
Crustacea																		
Amphipoda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyalella aztecs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isopoda																		
Lirceus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysidacea	0	0	0	0	0	0	0	0	0	12	6	0	0	0	0	0	0	0
Insecta																		
Coleoptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Berosus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dubiraphia sp.	0	0	0	0	0	0	0	0	0	0	0	0	29	0	0	0	0	14
Dytiscidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elmidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Optioservus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenelmis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ablabesmyia sp.	18	6	0	0	0	0	0	12	18	60	67	97	14	0	0	0	0	0
Bezzia sp.	0	0	0	0	0	0	0	0	0	200	0	0	0	0	0	0	0	0
Ceratopogonidae	0	0	0	0	0	0	0	0	18	0	0	6	43	14	0	14	0	0
Chaoborus sp.	0	0	0	30	0	6	6	18	24	0	175	357	0	0	0	0	0	0
Chironomidae	103	60	12	0	18	0	24	30	73	36	6	12	345	115	158	402	14	57
Chironomus sp.	0	0	6	0	0	0	6	18	0	6	96	176	0	0	0	0	0	0
Coelotanypus sp.	0	0	0	6	0	0	0	30	163	67	42	103	0	0	0	0	0	0
Cryptochironomus sp.	30	0	60	0	6	0	24	30	24	12	0	12	0	14	0	0	0	0
Dicrotendipes sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Einfeldia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Epoicocladius sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eukiefferiella sp.	0	0	0	0	0	0	0	0	0	0	6	12	0	0	0	0	0	0
Glyptotendipes sp.	127	326	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parachironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pericoma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

	BELOW COLUMBUS L & D						COLUMBUS BENDWAY						LUX CREEK					
	APRIL 18			JULY 13			APRIL 18			JULY 13			APRIL 13			JUNE 29		
	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90
Polypedilum sp.	0	0	18	48	0	12	66	48	0	0	0	0	0	0	0	0	0	0
Procladius sp.	0	6	6	12	0	0	0	30	12	12	24	12	29	0	0	0	0	14
Pseudochironomus	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Simuliidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenochironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stictochironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tanypus sp.	0	0	0	0	0	0	0	0	0	48	30	12	0	0	0	0	0	0
Xenochironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephemeroptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Baetidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Baetis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caenis sp.	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callibaetis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hexagenia bilineata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hexagenia sp.	0	0	0	6	0	0	0	121	121	54	30	85	43	0	0	0	14	0
Isonychia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenonema sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tricorythodes sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemiptera																		
Corixidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Megaloptera																		
Sialis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Odonata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Argia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corduliidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Enallagma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gomphidae	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0
Perithemis tenera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plecoptera																		
Perlidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trichoptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheumatopsyche sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chimarra sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyrnellus fraternus	6	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydroptilidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptoceridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oecetis avara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oecetis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phylocentropus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polycentropus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

	BELOW COLUMBUS L & D						COLUMBUS BENDWAY						LUX CREEK					
	APRIL 18			JULY 13			APRIL 18			JULY 13			APRIL 13			JUNE 29		
	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90
Bryosoa																		
Phylactolaemata																		
Plumatellina																		
Pectinatella magnifica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mollusca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heterodontida																		
Corbicula manilensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corbicula sp.	30	6	6	0	0	6	0	12	0	0	0	0	0	0	0	0	0	0
Eupera cubensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Obliquaria reflexa	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0
Proptera sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Psidium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0
Sphaerium sp.	0	0	0	0	0	0	0	0	6	12	30	48	0	0	0	0	0	0
Unionidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Basommatophora																		
Ferrissia sp.	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mesogastropoda																		
Campeloma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Platyhelminthes																		
Turbellaria																		
Tricladida																		
Planariidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES
IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988

	PRATT CAMP BENDWAY						ABOVE ALICEVILLE L & D						BELOW ALICEVILLE L & D					
	APRIL 18			JULY 13			APRIL 19			JULY 13			APRIL 19			JULY 13		
	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90
Annelida																		
Hirudinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pharyngobdellida																		
Erpobdellidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0
Rhynchobdellida																		
Glossiphoniidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oligochaeta	91	48	0	0	0	18	175	157	85	151	212	12	30	18	109	109	967	157
Plesiopora																		
Branchiura sowerbyi	0	0	0	0	0	0	67	18	24	60	85	18	0	0	6	0	0	0
Arthropoda																		
Crustacea																		
Amphipoda	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0
Hyalella azteca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isopoda																		
Lirceus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysidacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Insecta																		
Coleoptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Berosus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dubiraphia sp.	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	0	0
Dytiscidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elmidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Optioservus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenelmis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ablabesmyia sp.	0	0	0	0	6	0	0	12	6	0	0	6	0	0	6	0	0	0
Bezzia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ceratopogonidae	6	6	0	0	0	0	24	6	60	12	0	0	12	0	0	0	0	0
Chaoborus sp.	42	115	127	810	387	290	12	181	42	36	6	73	0	0	0	133	302	30
Chironomidae	30	18	0	0	0	0	236	97	30	115	79	6	12	0	121	18	36	6
Chironomus sp.	6	97	73	6	0	0	36	12	393	6	0	54	12	0	6	30	0	0
Coelotanypus sp.	30	18	6	0	0	0	24	24	151	24	48	72	18	0	0	18	12	0
Cryptochironomus sp.	12	6	6	0	0	0	73	18	0	42	67	0	30	6	54	42	12	36
Dicrotendipes sp.	0	6	6	0	0	24	0	0	0	0	18	0	0	0	0	6	0	6
Einfeldia sp.	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0
Epoicocladius sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eukiefferiella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glyptotendipes sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	163	55	6	0	0
Parachironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0
Pericoma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

	PRATT CAMP BENDWAY						ABOVE ALICEVILLE L & D						BELOW ALICEVILLE L & D					
	APRIL 18			JULY 13			APRIL 19			JULY 13			APRIL 19			JULY 13		
	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90
Polypedilum sp.	0	0	0	0	0	0	85	0	0	42	67	0	30	30	30	24	12	48
Procladius sp.	60	157	139	0	0	0	67	193	85	6	6	12	6	0	0	0	6	0
Pseudochironomus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0
Simuliidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenochironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stictochironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tanypus sp.	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	18	0	0
Xenochironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	0	0	0
Ephemeroptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Baetidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Baetis sp.	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0
Caenis sp.	0	0	0	0	0	0	0	0	0	24	79	6	0	0	0	6	0	0
Callibaetis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hexagenia bilineata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hexagenia sp.	0	12	0	0	0	0	6	6	0	0	0	0	0	0	0	0	12	0
Isonychia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenonema sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tricorythodes sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemiptera																		
Corixidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Megaloptera																		
Sialis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Odonata	0	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	0
Argia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corduliidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Enallagma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gomphidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perithemis tenera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plecoptera																		
Perlidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trichoptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheumatopsyche sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chimarra sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyrnellus fraternus	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0
Hydroptilidae	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0
Leptoceridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oecetis avara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oecetis sp.	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0
Phylocentropus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polycentropus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

	PRATT CAMP BENDWAY						ABOVE ALICEVILLE L & D						BELOW ALICEVILLE L & D					
	APRIL 18			JULY 13			APRIL 19			JULY 13			APRIL 19			JULY 13		
	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90
Bryozoa																		
Phylactolaemata																		
Plumatellina																		
Pectinatella magnifica	0	0	0	0	0	0	18	0	0	0	6	0	0	0	0	0	0	0
Mollusca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0
Heterodontida																		
Corbicula manilensis	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0
Corbicula sp.	0	0	0	0	0	0	0	12	0	0	6	0	42	200	103	73	0	266
Eupera cubensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Obliquaria reflexa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Proptera sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Psidium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerium sp.	0	0	0	0	0	0	0	0	30	6	0	18	0	0	0	0	6	0
Unionidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0
Gastropoda	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0
Basommetophora																		
Ferrissia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Mesogastropoda																		
Campeloma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0
Nemata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Platyhelminthes																		
Turbellaria																		
Tricladida																		
Planariidae	0	0	0	0	0	0	0	0	0	0	0	0	6	6	0	0	0	0

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES
IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988

	BIG CREEK BENDWAY						COOKS BENDWAY						ABOVE GAINESVILLE L & D					
	APRIL 19			JULY 14			APRIL 19			JULY 14			APRIL 19			JULY 14		
	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90
Annelida																		
Hirudinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0
Pharyngobdellida																		
Erpobdellidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhynchobdellida																		
Glossiphoniidae	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oligochaeta	175	230	230	169	133	332	356	0	369	290	6	18	266	230	502	121	169	48
Plesiopora																		
Branchiura sowerbyi	0	0	30	0	0	0	0	0	18	0	0	0	0	0	0	73	30	24
Arthropoda																		
Crustacea																		
Amphipoda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyalella azteca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Isopoda																		
Lirceus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mysidacea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Insecta																		
Coleoptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Berosus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dubiraphia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dytiscidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Elmidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Optioservus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenelmis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ablabesmyia sp.	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0
Bezzia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ceratopogonidae	0	0	0	0	0	0	18	6	6	6	0	0	6	0	0	0	0	0
Chaoborus sp.	24	24	36	151	72	18	0	0	0	302	272	127	6	6	49	0	18	42
Chironomidae	24	30	36	6	54	18	30	91	103	0	0	6	36	42	12	0	12	12
Chironomus sp.	0	0	24	0	0	0	72	73	60	121	18	0	127	0	0	0	24	18
Coelotanypus sp.	6	0	145	6	0	6	127	520	115	42	54	48	223	6	67	18	6	66
Cryptochironomus sp.	24	54	60	66	0	6	0	0	6	0	0	0	0	0	6	12	78	0
Dicrotendipes sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Einfeldia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Epoicocladius sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eukiefferiella sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glyptotendipes sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parachironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0
Pericoma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

	BIG CREEK BENDWAY						COOKS BENDWAY						ABOVE GAINESVILLE L & D					
	APRIL 19			JULY 14			APRIL 19			JULY 14			APRIL 19			JULY 14		
	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90
Polypedilum sp.	61	97	78	0	0	0	0	0	0	0	0	0	0	48	0	24	18	6
Procladius sp.	67	24	85	0	0	0	42	0	30	0	0	0	0	0	30	0	12	12
Pseudochironomus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Simuliidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenochironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stictochironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0	6	6	24	0	0	0
Tanypus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Xenochironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ephemeroptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Baetidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Baetis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0
Caenis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callibaetis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hexagenia bilineata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hexagenia sp.	0	0	6	0	0	0	157	67	175	0	0	0	24	0	0	6	0	6
Isonychia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stenonema sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tricorythodes sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemiptera																		
Corixidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Megaloptera																		
Sialis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Odonata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Argia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corduliidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Enallagma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gomphidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perithemis tenera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plecoptera																		
Perlidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trichoptera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheumatopsyche sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chimarra sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyrnellus fraternus	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0
Hydroptilidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptoceridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oecetis avara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oecetis sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	18
Phylocentropus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polycentropus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

	BIG CREEK BENDWAY						COOKS BENDWAY						ABOVE GAINESVILLE L & D					
	APRIL 19			JULY 14			APRIL 19			JULY 14			APRIL 19			JULY 14		
	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90	10	50	90
Bryozoa																		
Phylactolaemata																		
Plumatellina																		
Pectinatella magnifica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6
Mollusca	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0
Bivalvia	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heterodontida																		
Corbicula manilensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Corbicula sp.	18	6	0	6	0	0	0	0	0	0	0	0	0	6	6	0	0	0
Eupera cubensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Obliquaria reflexa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Proptera sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Psidium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerium sp.	0	0	0	0	0	0	6	115	12	0	0	0	0	0	0	6	0	0
Unionidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Basommatophora																		
Ferrissia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mesogastropoda																		
Campeloma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nemata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Platyhelminthes																		
Turbellaria																		
Tricladida																		
Planariidae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988

	GAINESVILLE AL						ABOVE DEMOPOLIS L & D					
	APRIL 20			JULY 14			APRIL 20			JULY 14		
	10	50	90	10	50	90	10	50	90	10	50	90
Annelida												
Hirudinea	0	0	0	0	0	0	0	0	0	0	0	0
Pharyngobdellida												
Erpobdellidae	0	0	0	0	0	0	0	0	0	0	0	0
Rhynchobdellida												
Glossiphoniidae	0	0	0	0	0	0	0	0	0	0	0	0
Oligochaets	188	127	36	103	115	109	242	1,910	1,245	66	18	139
Plesiopora												
Branchiura sowerbyi	0	0	0	36	30	6	24	97	18	0	6	12
Arthropoda												
Crustaces												
Amphipoda	0	0	0	0	0	0	0	0	0	0	0	0
Hyalella azteca	0	0	0	0	0	0	0	0	0	0	0	0
Isopoda												
Lirceus sp.	0	0	0	0	0	0	0	0	0	0	0	0
Mysidacea	0	0	0	0	0	0	0	0	0	0	0	0
Insecta												
Coleoptera	0	0	0	0	0	0	0	0	0	0	0	0
Berosus sp.	0	0	0	0	0	0	0	0	0	0	0	0
Dubiraphia sp.	0	0	0	0	0	0	0	0	0	0	0	0
Dytiscidae	0	0	0	0	0	0	0	0	0	0	0	0
Elmidae	0	0	0	0	0	0	0	0	0	0	0	6
Optioservus sp.	0	0	0	0	0	0	0	0	0	0	0	0
Stenelmis sp.	0	0	0	0	0	0	0	0	0	0	0	0
Diptera	0	0	0	0	0	0	0	0	0	0	0	0
Ablabesmyia sp.	0	0	0	6	6	0	0	0	6	0	0	0
Bezzia sp.	0	0	0	0	0	0	0	0	0	0	0	0
Ceratopogonidae	0	0	0	6	6	0	0	0	0	0	12	0
Chaoborus sp.	0	0	0	48	24	18	0	54	6	489	405	199
Chironomidae	18	42	0	18	42	55	42	145	49	6	0	73
Chironomus sp.	0	0	0	6	0	0	30	0	6	12	24	0
Coelotanypus sp.	0	0	0	85	48	42	0	139	151	79	91	30
Cryptochironomus sp.	18	66	12	0	0	18	24	12	54	0	0	0
Dicrotendipes sp.	0	0	0	0	0	0	0	0	0	0	0	0
Einfeldia sp.	0	0	0	0	0	0	0	0	0	0	0	0
Epoicocladius sp.	0	0	0	0	0	0	0	0	0	0	0	0
Eukiefferiella sp.	0	0	0	0	0	0	0	0	0	0	0	0
Glyptotendipes sp.	0	0	0	0	0	0	0	0	0	0	0	0
Parachironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0
Pericoma sp.	0	0	0	0	0	0	0	0	0	0	0	0

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

	GAINESVILLE AL						ABOVE DEMOPOLIS L & D					
	APRIL 20			JULY 14			APRIL 20			JULY 14		
	10	50	90	10	50	90	10	50	90	10	50	90
Polypedilum sp.	0	0	0	12	6	6	36	0	42	0	0	0
Procladius sp.	0	6	6	6	12	0	12	333	48	30	30	12
Pseudochironomus	0	0	0	0	0	0	0	0	0	0	0	0
Simuliidae	0	0	0	0	0	0	0	0	0	0	0	0
Stenochironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0
Stictochironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0
Tanypus sp.	0	0	0	0	0	0	0	0	0	0	0	0
Xenochironomus sp.	0	0	0	0	0	0	0	0	0	0	0	0
Ephemeroptera	0	0	0	0	0	0	0	0	0	0	0	0
Baetidae	0	0	0	0	0	0	0	0	0	0	0	0
Baetis sp.	0	0	0	0	0	0	0	0	0	0	0	0
Caenis sp.	0	0	0	0	0	0	0	0	0	0	0	0
Callibaetis sp.	0	0	0	0	0	0	0	0	0	0	0	0
Hexagenia bilineata	0	0	0	0	0	0	0	0	0	0	0	0
Hexagenia sp.	0	0	0	18	6	6	0	30	139	0	0	0
Isonychia sp.	0	0	0	0	0	0	0	0	0	0	0	0
Stenonema sp.	0	0	0	0	0	0	0	0	0	0	0	0
Tricorythodes sp.	0	0	0	0	0	0	0	0	0	0	0	0
Hemiptera												
Corixidae	0	0	0	0	0	0	0	0	0	0	0	0
Megaloptera												
Sialis sp.	0	0	0	0	0	0	0	0	0	6	0	0
Odonata	0	0	0	0	0	0	0	0	0	0	0	0
Argia sp.	0	0	0	0	0	0	0	0	0	0	0	0
Corduliidae	0	0	0	0	0	0	0	0	0	0	0	0
Enallagma sp.	0	0	0	0	0	0	0	0	0	0	0	0
Gomphidae	0	0	0	0	0	0	0	0	0	0	0	0
Perithemis tenera	0	0	0	0	0	0	0	0	0	0	0	0
Plecoptera												
Perlidae	0	0	0	0	0	0	0	0	0	0	0	0
Trichoptera	0	0	0	0	0	0	0	6	0	0	0	0
Cheumatopsyche sp.	0	0	0	0	0	0	0	0	0	0	0	0
Chimarra sp.	0	0	0	0	0	0	0	0	0	0	0	0
Cyrnellus fraternus	0	0	6	12	0	0	0	0	0	0	0	30
Hydroptilidae	0	0	0	0	0	0	0	0	0	0	0	0
Leptoceridae	0	0	0	0	0	0	0	0	0	0	0	0
Oecetis avara	0	0	0	0	0	0	0	0	0	0	0	0
Oecetis sp.	0	0	0	0	0	0	0	0	0	0	0	0
Phylocentropus sp.	0	0	0	0	0	0	0	0	0	0	0	0
Polycentropus sp.	0	0	0	0	0	0	0	0	0	0	0	0

BENTHIC MACROINVERTEBRATE MEAN DENSITIES (NUMBER/SQUARE METER) FOR THREE REPLICATE SAMPLES IN THE AREA OF THE TENNESSEE-TOMBIGBEE WATERWAY, 1988 -- Continued

	GAINESVILLE AL						ABOVE DEMOPOLIS L & D					
	APRIL 20			JULY 14			APRIL 20			JULY 14		
	10	50	90	10	50	90	10	50	90	10	50	90
Bryozoa												
Phylactolaemata												
Plumatellina												
Pectinatella magnifica	0	0	0	0	0	0	0	0	0	0	0	0
Mollusca	0	0	0	0	0	0	0	0	0	6	0	0
Bivalvia	0	0	0	0	0	0	0	0	0	0	0	0
Heterodontida												
Corbicula manilensis	0	0	0	0	0	0	0	0	0	0	0	0
Corbicula sp.	6	12	0	0	0	6	6	61	6	0	0	0
Eupera cubensis	0	0	0	0	0	0	0	6	0	0	0	0
Obliquaria reflexa	0	0	0	0	0	0	0	0	0	0	0	0
Proptera sp.	0	0	0	0	0	0	0	0	0	0	0	0
Psidium sp.	0	0	0	0	0	0	0	0	0	0	0	0
Sphaerium sp.	0	0	0	6	0	0	0	103	30	0	0	0
Unionidae	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	0	0	0	0	0	0	0	0	0	0	0	0
Basommatophora												
Ferrissia sp.	0	0	0	0	0	0	0	0	0	0	0	0
Mesogastropoda												
Campeloma sp.	0	0	0	0	0	0	0	0	0	0	0	0
Nemata	0	0	0	0	0	0	48	0	0	0	0	0
Platyhelminthes												
Turbellaria												
Tricladida												
Planariidae	0	0	0	0	0	0	0	0	0	0	0	0