

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

FISCAL YEAR 1985

by

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U.S. ARMY CORPS OF ENGINEERS  
MOBILE DISTRICT



Jackson, Mississippi  
October 1986

UNITED STATES DEPARTMENT OF THE INTERIOR  
DONALD PAUL HODEL, Secretary

GEOLOGICAL SURVEY  
Dallas L. Peck, Director

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## CONTENTS

	Page
Abstract-----	1
Hydrologic monitoring network-----	2
Ground water-----	2
Ground-water network-----	2
Ground-water levels-----	2
Ground-water quality-----	13
Surface water-----	13
Surface-water network-----	13
Surface-water stage and discharge-----	13
Surface-water quality-----	14
Disposal area-----	15
Disposal area network-----	15
Disposal area water levels-----	15
Disposal area water quality-----	15
Disposal area rainfall-----	15
Quality assurance-----	16
Ground-water levels-----	16
Surface-water stage and discharge-----	16
Water quality-----	16
Selected references-----	18
Appendixes-----	21
Explanation of codes and abbreviations contained in data tables in the appendixes-----	23
Appendix A--Ground-water data-----	25
Descriptions of wells-----	27
Hydrographs-----	45
Water-quality analyses-----	157
Appendix B--Surface-water data-----	167
Description of sites-----	169
Stage and discharge records-----	175
Water-quality analyses-----	183
Appendix C--Disposal area data-----	295
Descriptions of wells and rain-gage sites-----	297
Water-quality analyses-----	301
Rainfall-----	307

ILLUSTRATIONS

Page

Figure 1. Index map of the Tennessee-Tombigbee Waterway hydrologic monitoring program----- 3

Figures 2-10. Maps showing:

2. Location of hydrologic monitoring sites in the Divide Section----- 4

3. Location of hydrologic monitoring sites in the vicinity of Pools D & E----- 5

4. Location of hydrologic monitoring sites in the vicinity of Pool C----- 6

5. Location of hydrologic monitoring sites in the vicinity of Pool B----- 7

6. Location of hydrologic monitoring sites in the vicinity of Pool A----- 8

7. Location of hydrologic monitoring sites in the vicinity of Aberdeen Pool----- 9

8. Location of hydrologic monitoring sites in the vicinity of Columbus Pool----- 10

9. Location of hydrologic monitoring sites in the vicinity of Aliceville Pool----- 11

10. Location of hydrologic monitoring sites in the vicinity of Gainesville Pool----- 12

FACTORS FOR CONVERTING INCH-POUND UNITS TO  
INTERNATIONAL SYSTEM OF UNITS (SI)

<u>Multiply</u>	<u>By</u>	<u>To obtain</u>
inch (in.)	25.40	millimeter (mm)
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)
square mile (mi <sup>2</sup> )	2.590	square kilometer (km <sup>2</sup> )
acre-foot (acre-ft)	1,233	cubic meter (m <sup>3</sup> )
cubic foot per second (ft <sup>3</sup> /s)	0.02832	cubic meter per second (m <sup>3</sup> /s)
gallon per minute (gal/min)	0.06308	liter per second (L/s)
degree Fahrenheit (°F)	$C = 5/9 (°F - 32)$	degree Celsius (°C)
micromho per centimeter at 25° Celsius (umho/cm at 25°C)	1.000	microSiemens per centimeter at 25° Celsius (uS/cm at 25°C)

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 "mean sea level".

HYDROLOGIC MONITORING IN THE AREA OF THE  
TENNESSEE-TOMBIGBEE WATERWAY, MISSISSIPPI-ALABAMA  
FISCAL YEAR 1985

by Fred Morris III

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ABSTRACT

This report, the twelfth in a series of annual reports presenting hydrologic data collected from the area of the Tennessee-Tombigbee Waterway, covers the fiscal year ending September 30, 1985. The Waterway, under construction since the early 1970's, was completed in January 1985. Included in this report are data on ground-water levels and quality; surface-water stage, discharge, and quality; and disposal area water levels, water quality, and rainfall. These data were obtained at the request of the U.S. Army Corps of Engineers, Mobile and Nashville Districts, as part of comprehensive programs to monitor the hydrologic effects of construction and operation of the Waterway.

## HYDROLOGIC MONITORING NETWORK

Sampling sites and observation wells 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 entitled, "First Supplemental Environmental Report, Continuing Environmental Studies, Tennessee-Tombigbee Waterway, Alabama and Mississippi." The original network of surface- and ground-water sites has been modified into the present hydrologic monitoring network (figs. 1-10). The network is designed to monitor selected hydrologic sites that include:

- (1) Major aquifers that may have been stressed by the Waterway construction and operation;
- (2) Surface-water sites near locks and dams where the effects of construction may have been greatest, or at sites of inflow or outflow of major tributaries;
- (3) Areas of known or suspected hydrologic problems;
- (4) Selected sites on and near Pickwick Lake and Demopolis Lake to monitor boundary conditions.

The purpose of the present hydrologic monitoring network is to document changes in the hydrologic environment that may occur during construction and operation of the Waterway.

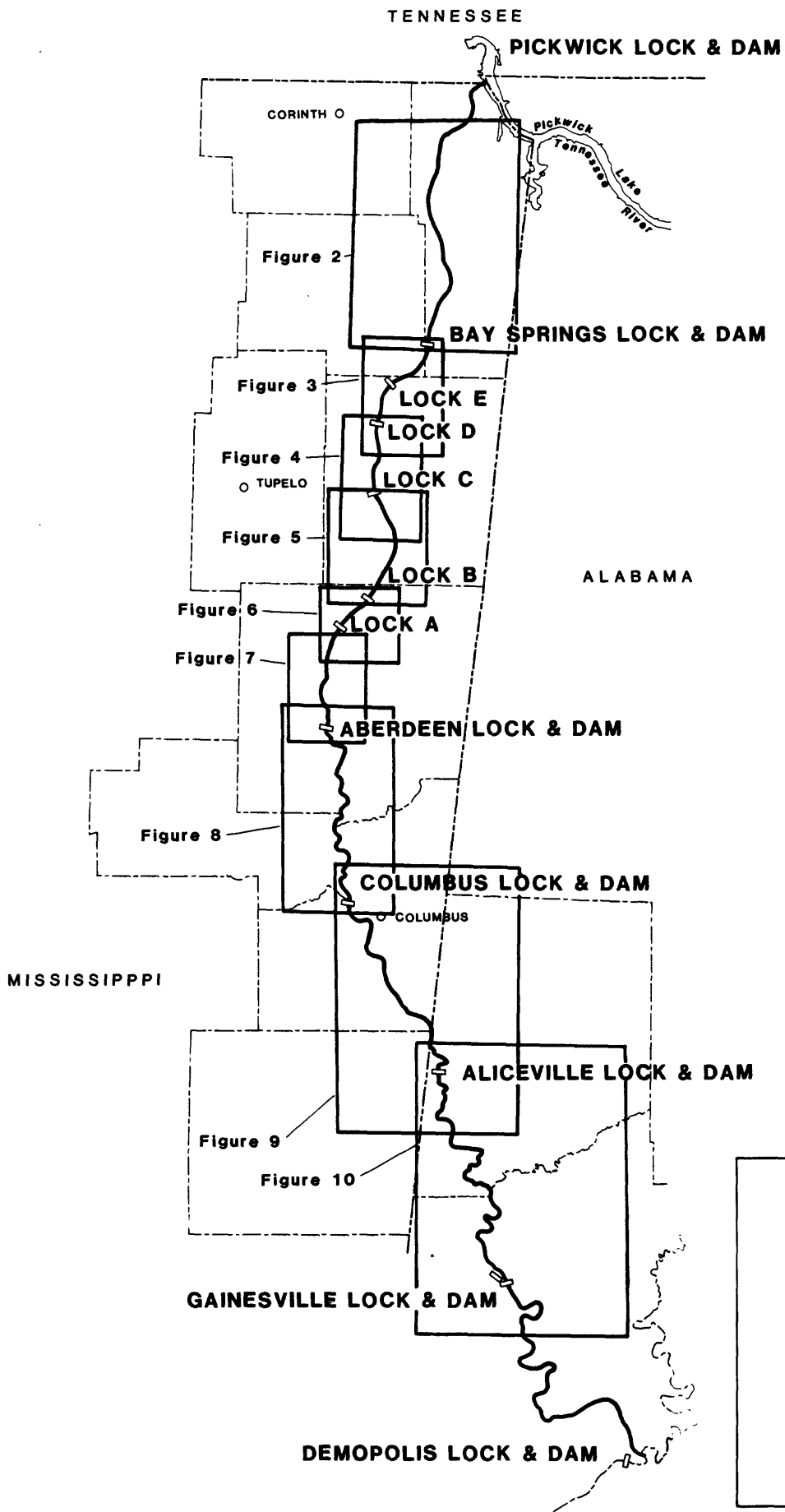
### Ground Water

#### Ground-Water Network

The basic ground-water network consists of wells located along 13 lines approximately perpendicular to the Waterway. The network is supplemented by other wells located in or near the excavated areas. Water levels are monitored at numerous wells in the regional aquifers and the shallower alluvial and terrace aquifers. The relationship between shallow water-bearing units and regional aquifers is described by Brahana and others (1974). Descriptions of wells in the network are tabulated in Appendix A.

#### Ground-Water Levels

Under natural conditions, water levels in wells fluctuate seasonally and reflect recharge to and discharge from aquifers. Natural water-level fluctuations of less than 1 foot to more than 10 feet per year have been observed in the aquifers in the study area. In the alluvial and terrace aquifers, water-level fluctuations generally were larger than in the Eutaw, McShan, or Gordo aquifers, or in the Mississippian or undifferentiated Paleozoic aquifers.



**TENNESSEE-TOMBIGBEE WATERWAY  
HYDROLOGIC MONITORING PROGRAM**

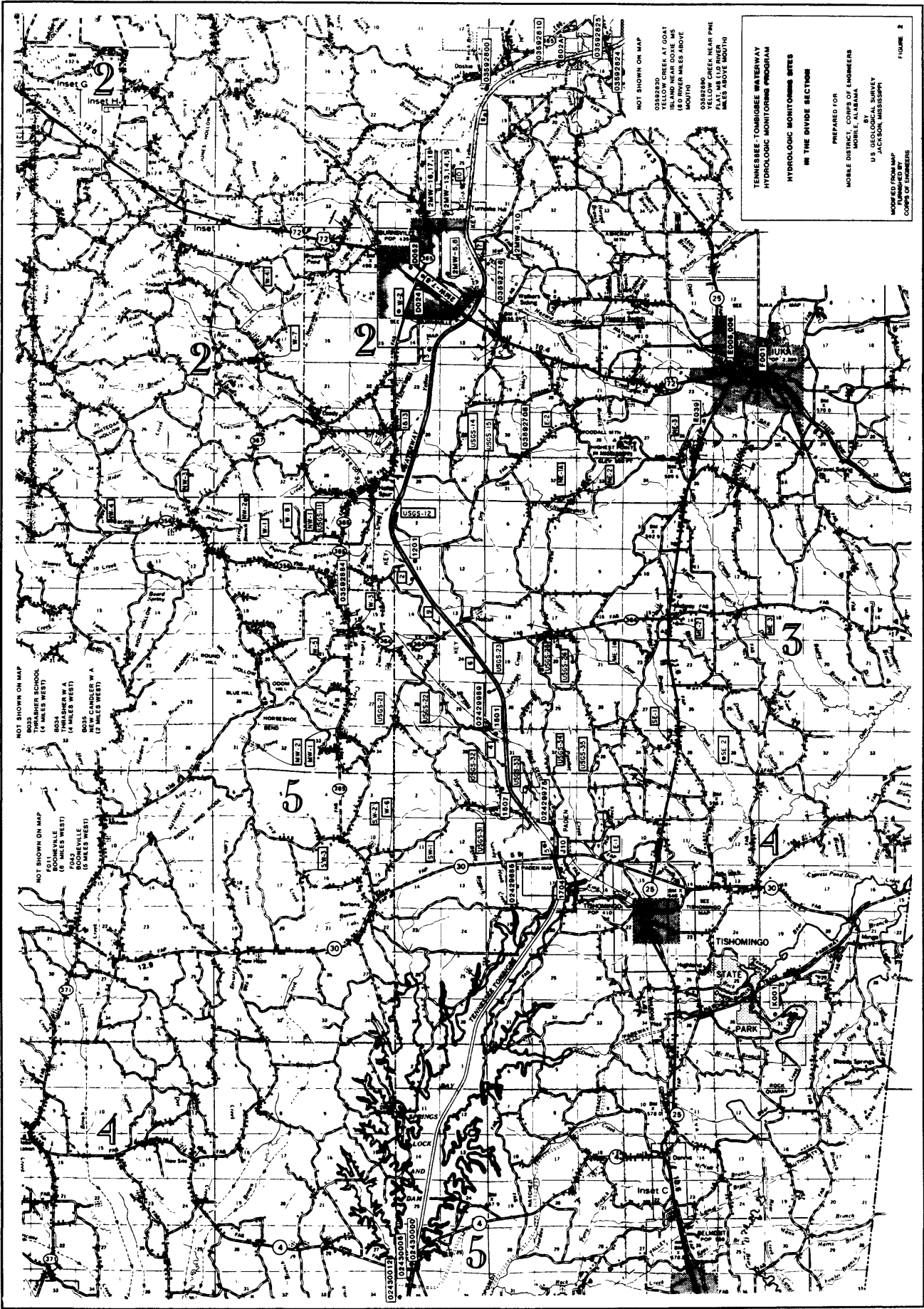
**INDEX MAP**

PREPARED FOR  
MOBILE DISTRICT, CORPS OF ENGINEERS  
MOBILE, ALABAMA

BY  
U.S. GEOLOGICAL SURVEY  
JACKSON, MISSISSIPPI

**FIGURE 1**



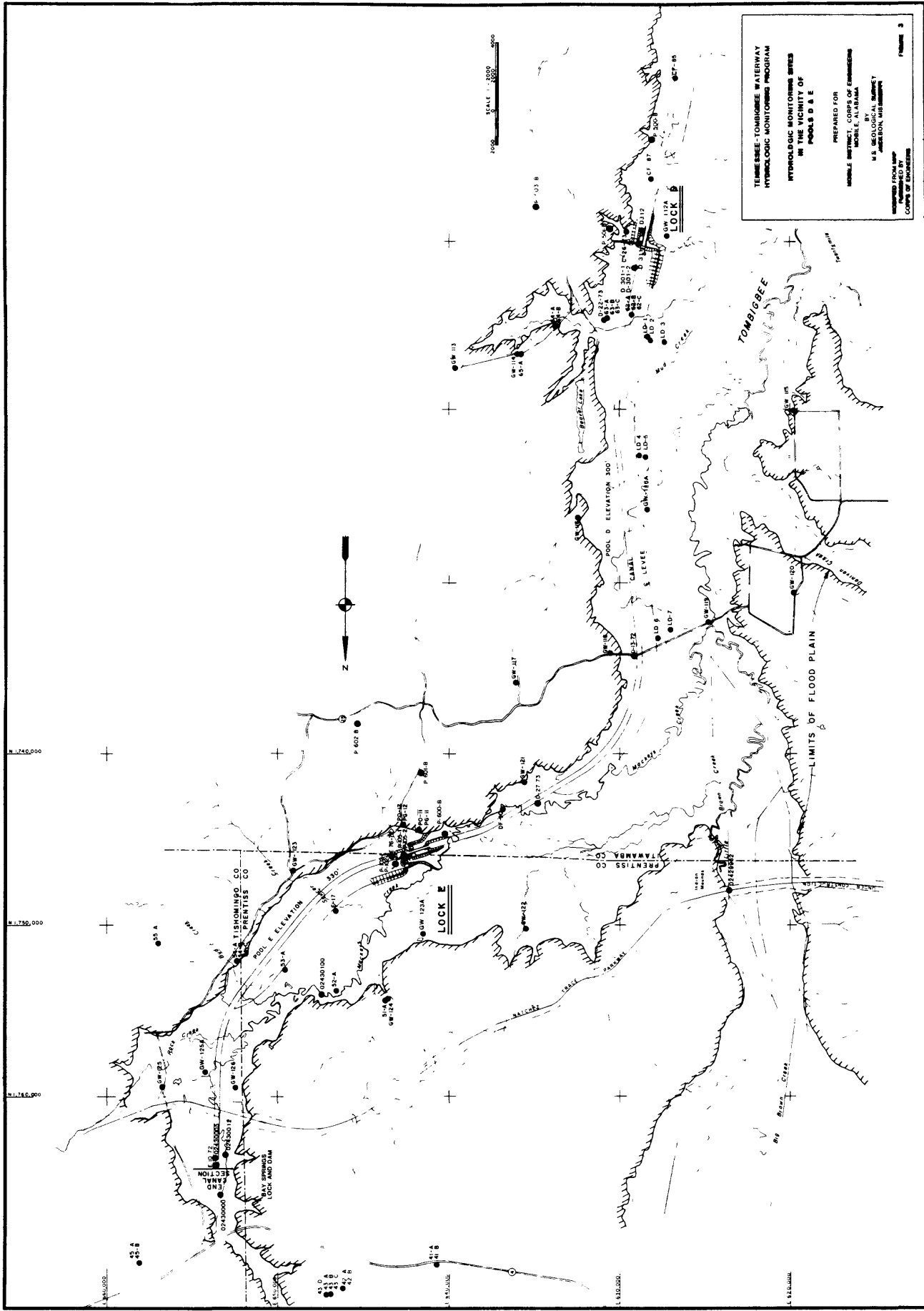


NOT SHOWN ON MAP  
 8033  
 THAMER SCHOOL  
 (4 MILES WEST)  
 8034  
 THAMER W.A.  
 (4 MILES WEST)  
 8035  
 W. Candler W.A.  
 (5 MILES WEST)

NOT SHOWN ON MAP  
 8041  
 (8 MILES WEST)  
 8042  
 (8 MILES WEST)  
 8043  
 (8 MILES WEST)

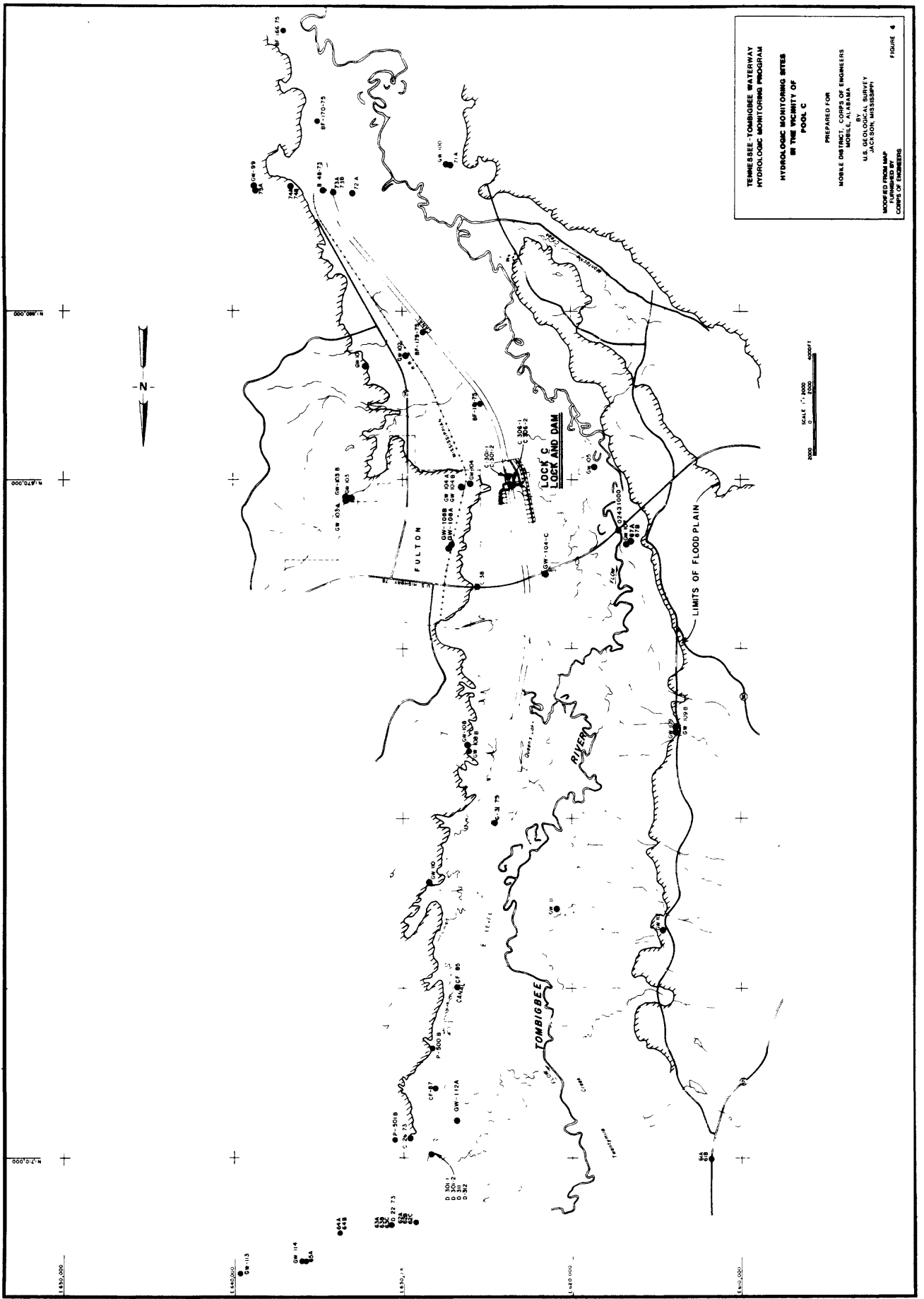
NOT SHOWN ON MAP  
 0359230  
 YELLOW CREEK AT GOAT  
 ISLAND NEAR DOGIE MS  
 MOUTH  
 0359230  
 YELLOW CREEK NEAR PINE  
 HALL MS MOUTH  
 0359230  
 YELLOW CREEK NEAR  
 HALL MS MOUTH

**TENNESSEE-TOMBIGBEE WATERWAY**  
**HYDROLOGIC MONITORING PROGRAM**  
**HYDROLOGIC MONITORING SITES**  
**IN THE DIVIDE SECTION**  
 PREPARED FOR  
 MOBILE DISTRICT, CORPS OF ENGINEERS  
 MOBILE, ALABAMA  
 U.S. GEOLOGICAL SURVEY  
 JACKSON, MISSISSIPPI  
 MODIFIED FROM MAP  
 BY THE CORPS OF ENGINEERS  
 FIGURE 2



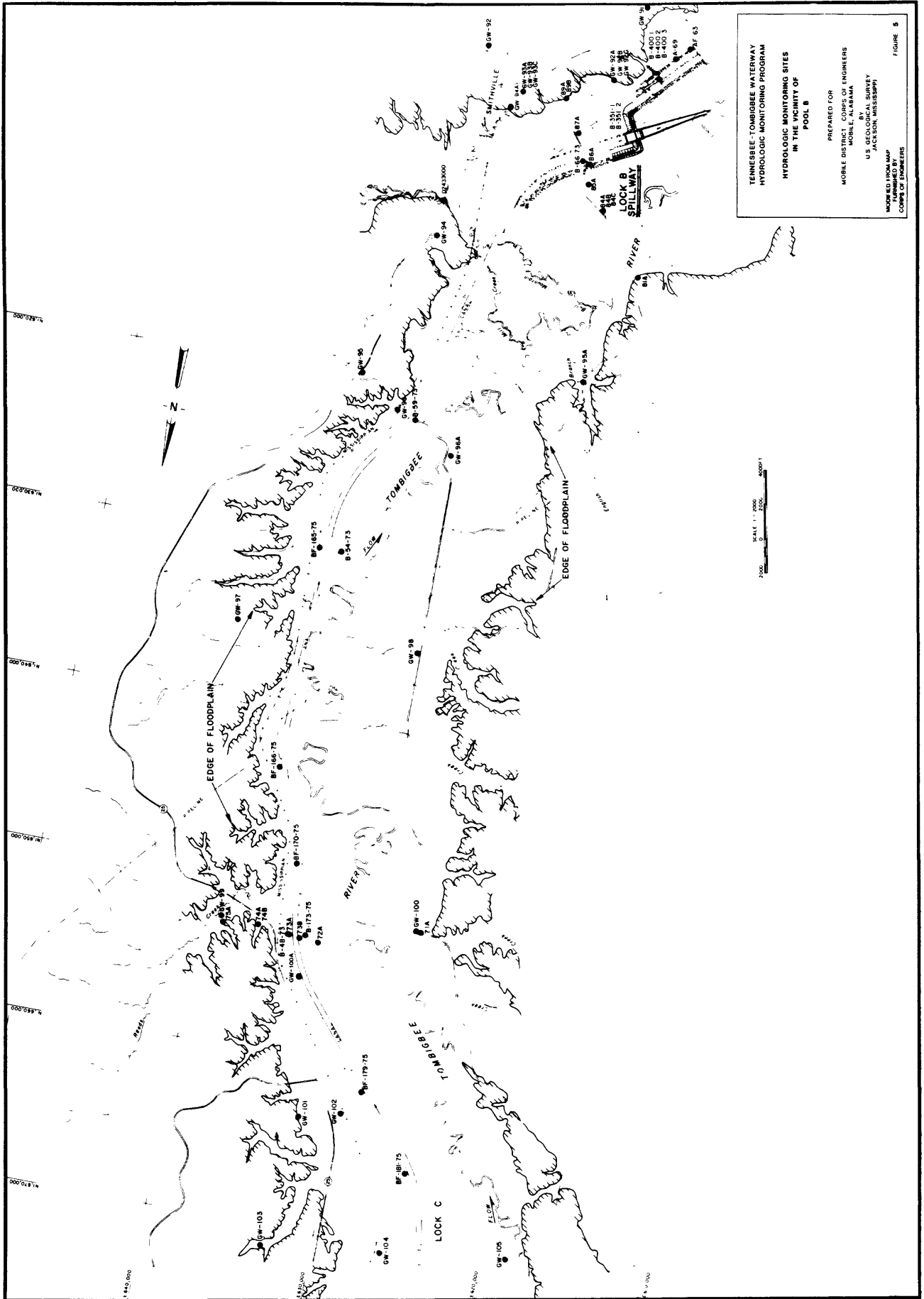
TENNESSEE-TOMBIGBEE WATERWAY  
 HYDROLOGIC MONITORING PROGRAM  
 HYDROLOGIC MONITORING SITES  
 IN THE VICINITY OF  
 POOLS D & E  
 PREPARED FOR  
 MOBILE DISTRICT, CORPS OF ENGINEERS  
 MOBILE, ALABAMA  
 BY  
 U.S. GEOLOGICAL SURVEY  
 JACKSON, MISSISSIPPI

DERIVED FROM MAP  
 PREPARED BY  
 CORPS OF ENGINEERS  
 FIGURE 3

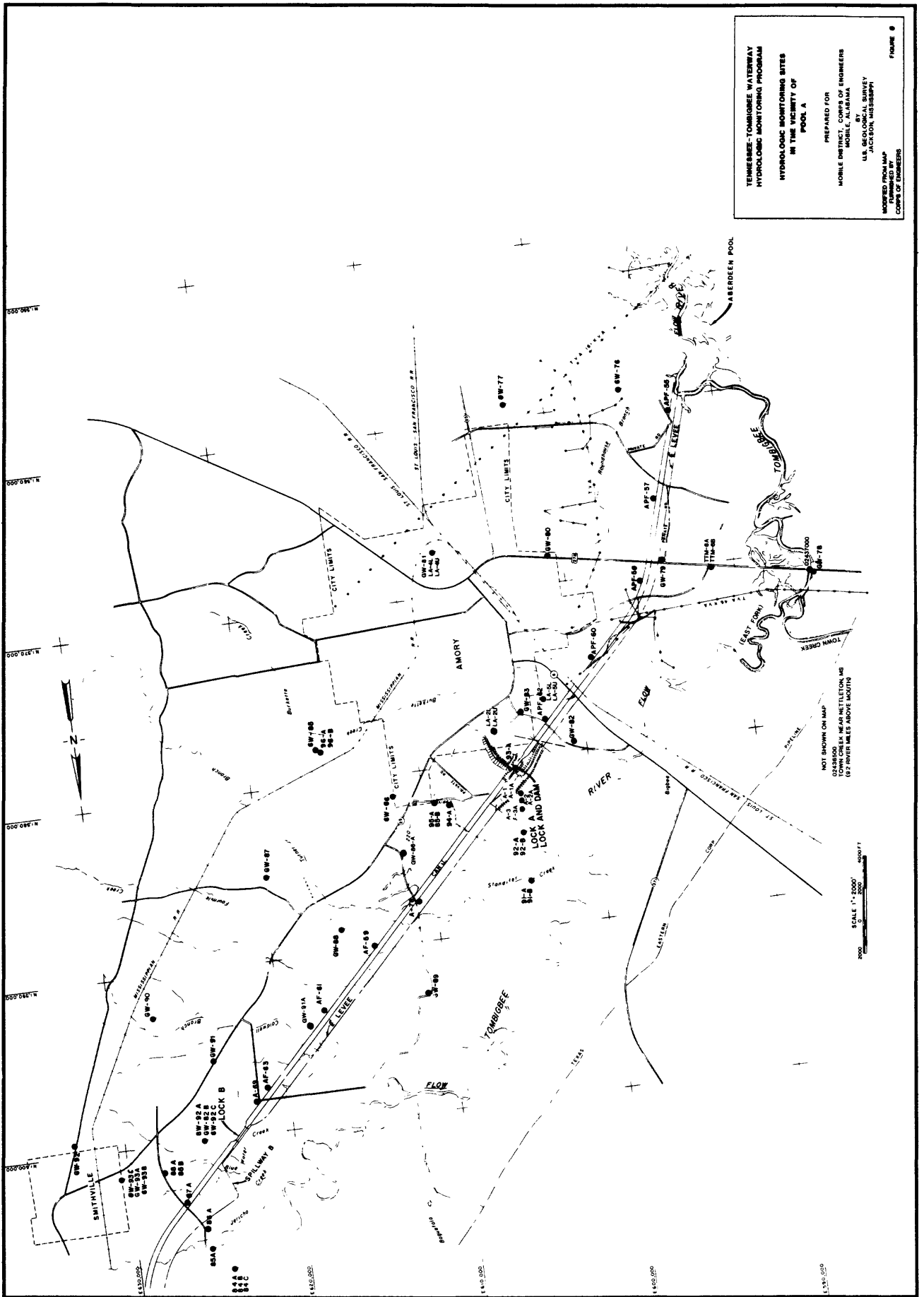


TENNESSEE-TOMBIGBEE WATERWAY  
 HYDROLOGIC MONITORING PROGRAM  
 HYDROLOGIC MONITORING SITES  
 IN THE VICINITY OF  
 POOL C  
 PREPARED FOR  
 MOBILE DISTRICT, CORPS OF ENGINEERS  
 MOBILE, ALABAMA  
 U.S. GEOLOGICAL SURVEY  
 MISSISSIPPI  
 JACKSON, MISSISSIPPI  
 MODIFIED FROM MAP  
 OF THE DISTRICT  
 CORPS OF ENGINEERS

FIGURE 4

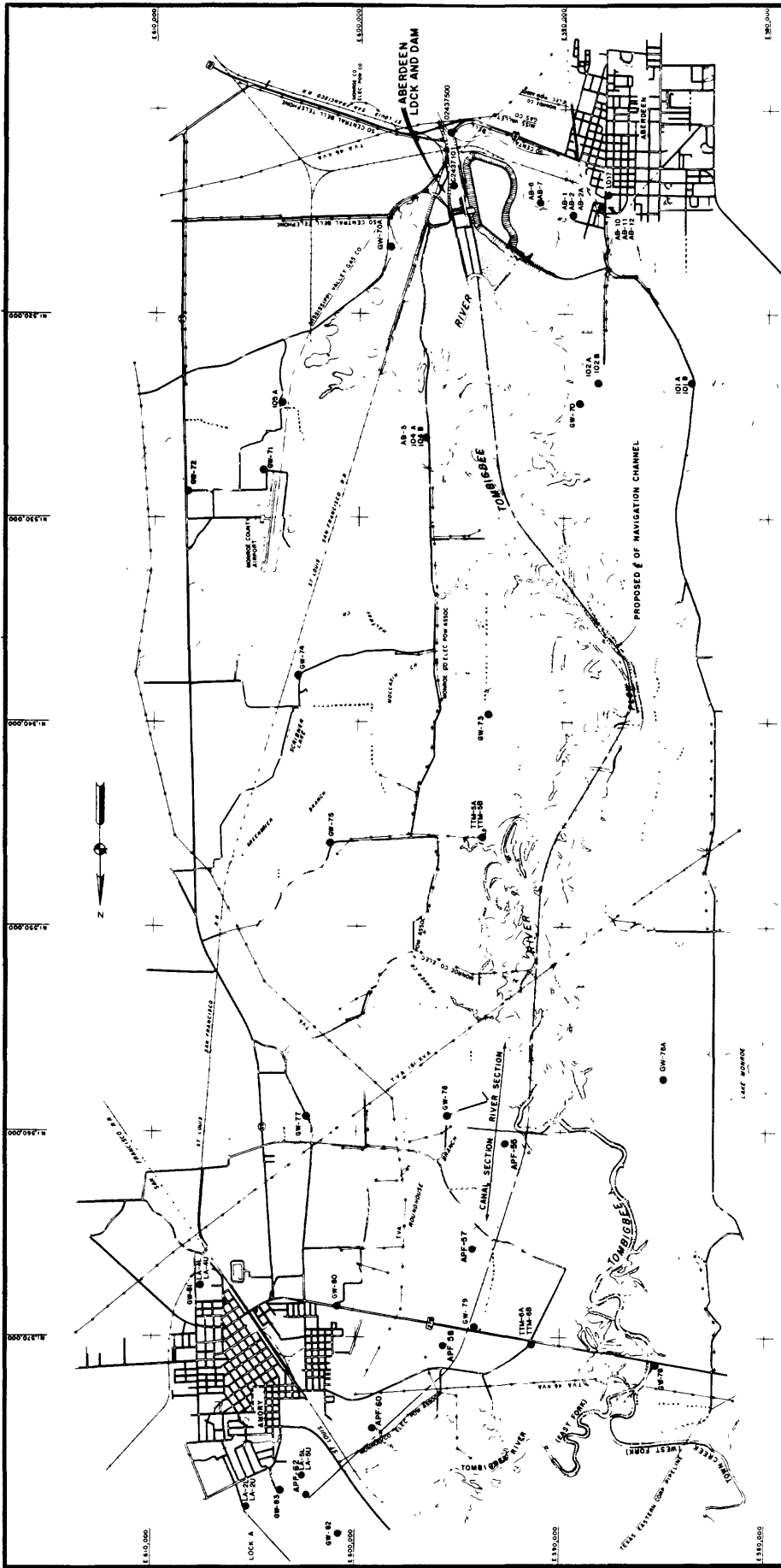


TENNESSEE-TOMBIGBEE WATERWAY  
 HYDROLOGIC MONITORING PROGRAM  
 HYDROLOGIC MONITORING SITES  
 IN THE VICINITY OF  
 POOL B  
 PREPARED FOR  
 MOBILE DISTRICT, CORPS OF ENGINEERS  
 MOBILE, ALABAMA  
 BY  
 U.S. GEOLOGICAL SURVEY  
 JACKSON, MISSISSIPPI  
 MODIFIED FROM MAP  
 FURNISHED BY  
 CORPS OF ENGINEERS



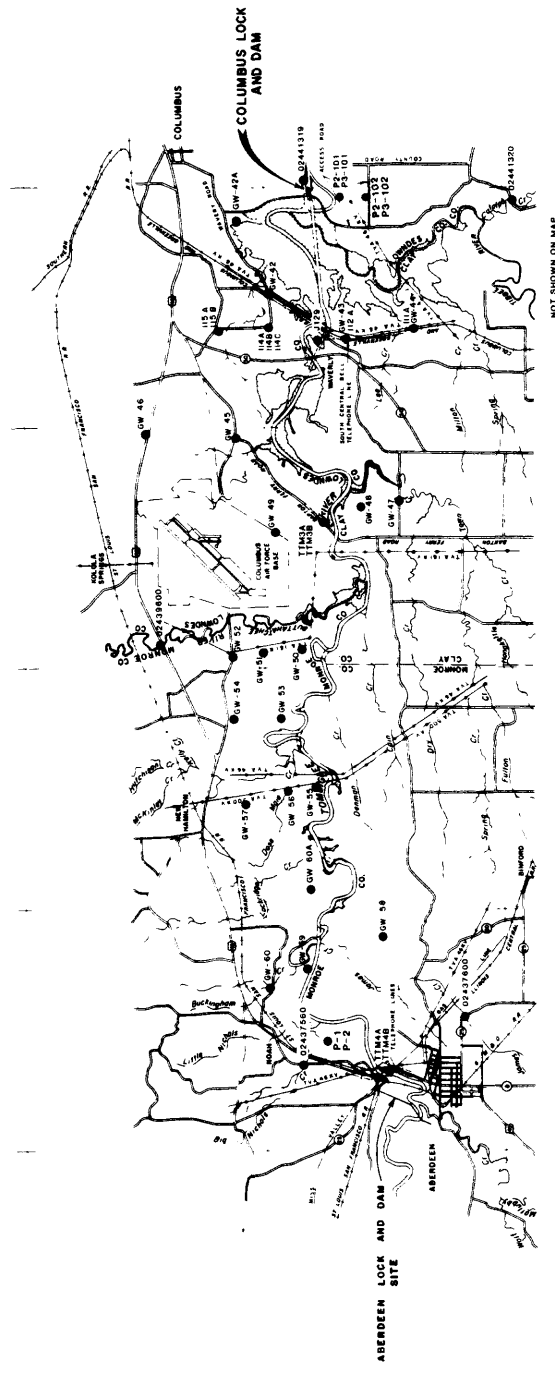
TENNESSEE-TOMBIGBEE WATERWAY  
 HYDROLOGIC MONITORING PROGRAM  
 HYDROLOGIC MONITORING SITES  
 IN THE VICINITY OF  
 POOL A  
  
 PREPARED FOR  
 MOBILE DISTRICT, CORPS OF ENGINEERS  
 MOBILE, ALABAMA  
 BY  
 U.S. GEOLOGICAL SURVEY  
 JACKSON, MISSISSIPPI  
 MONITORING MAP  
 DRAWN BY  
 CORPS OF ENGINEERS

FIGURE 8



TENNESSEE-TOMBIGBEE WATERWAY  
 HYDROLOGIC MONITORING PROGRAM  
 HYDROLOGIC MONITORING SITES  
 IN THE VICINITY OF  
 ABERDEEN DAM  
 PREPARED FOR  
 MOBILE DISTRICT, CORPS OF ENGINEERS  
 MOBILE, ALABAMA  
 BY  
 U.S. GEOLOGICAL SURVEY  
 JACKSON, MISSISSIPPI  
 MODIFIED FROM MAP  
 FURNISHED BY  
 CORPS OF ENGINEERS

NOT SHOWN ON MAP  
 0243800 BUTTAMATCHEE RIVER  
 BELOW HAMILTON, ALTA RIVER  
 RIVER NEAR KOLA SPRINGS, MS

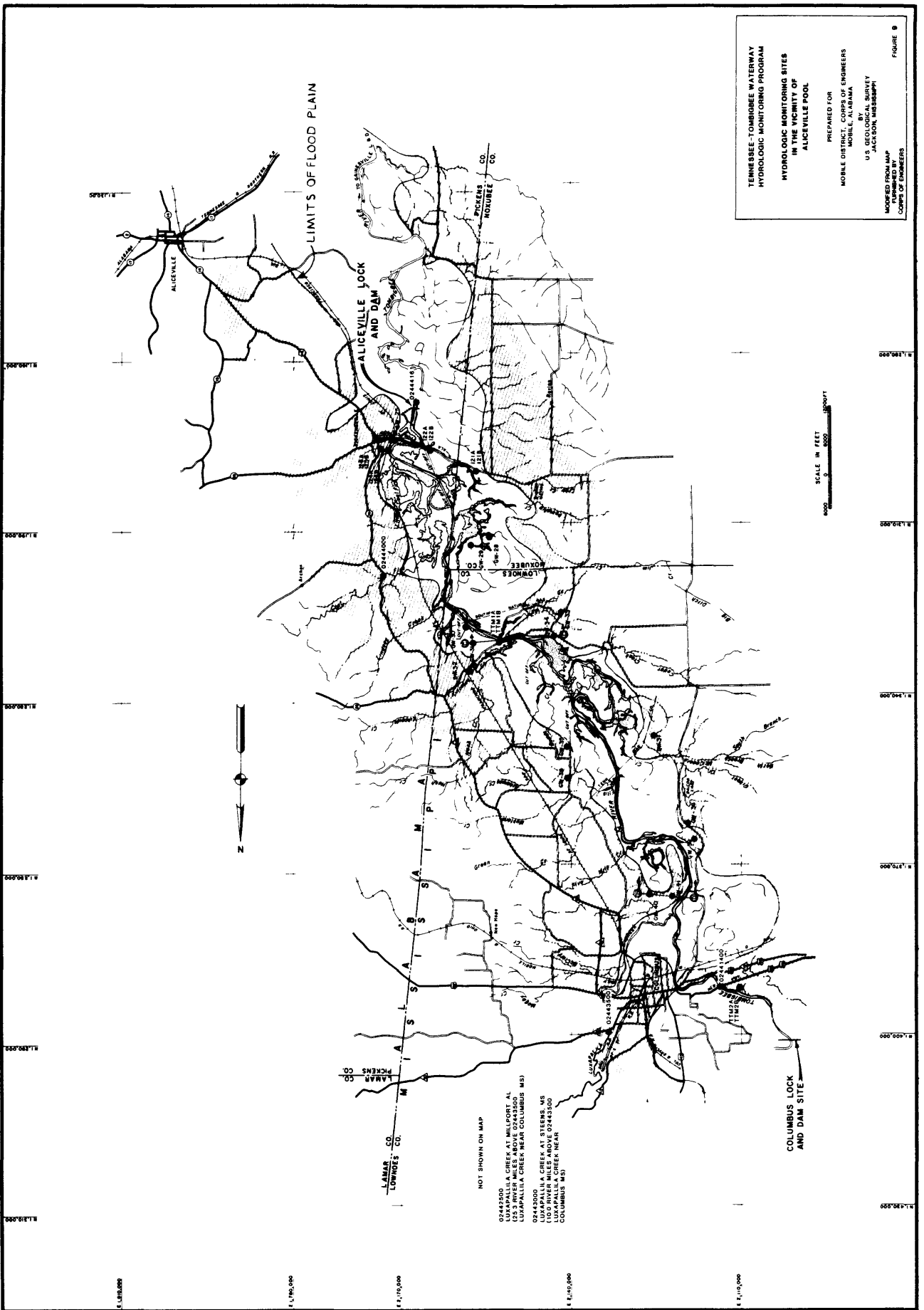


NOT SHOWN ON MAP  
 GREAT CREEK NEAR TIBEE, MS  
 (177 RIVER MILES ABOVE MOUTH)



TENNESSEE-TOMBIGBEE WATERWAY  
 HYDROLOGIC MONITORING PROGRAM  
 HYDROLOGIC MONITORING SITES  
 IN THE VICINITY OF  
 COLUMBUS POOL  
 PREPARED FOR  
 MOBILE DISTRICT, CORPS OF ENGINEERS  
 BY  
 U.S. GEOLOGICAL SURVEY  
 JACKSON, MISSISSIPPI  
 MODELS FROM MAP  
 DRAINAGE BY  
 CORPS OF ENGINEERS

FIGURE 8



TENNESSEE-TOMBIGBEE WATERWAY  
 HYDROLOGIC MONITORING PROGRAM  
 HYDROLOGIC MONITORING SITES  
 IN THE VICINITY OF  
 ALICEVILLE POOL

PREPARED FOR  
 MOBILE DISTRICT COMMANDER  
 U.S. ARMY CORPS OF ENGINEERS  
 JACKSON, MISSISSIPPI

U.S. GEOLOGICAL SURVEY  
 MOBILE DISTRICT OFFICE  
 JACKSON, MISSISSIPPI  
 EXPANDED BY  
 COMPS OF ENGINEERS

FIGURE 9

SCALE IN FEET  
 0 1000 2000 3000 4000

NOT SHOWN ON MAP  
 OXAPALLIA CREEK AT MILLPORT AL  
 (25.3 RIVER MILES ABOVE 02443500)  
 OXAPALLIA CREEK NEAR COLUMBUS MS  
 (100 RIVER MILES ABOVE 02443500)  
 OXAPALLIA CREEK AT STEENS MS  
 (100 RIVER MILES ABOVE 02443500)  
 COLUMBUS CREEK NEAR  
 COLUMBUS MS





During the 1985 reporting period, 122 observation wells in the network were measured quarterly. An additional 317 observation wells that had previously been monitored by the U.S. Army Corps of Engineers were added to the monitoring program during the 1985 reporting period. Of the 439 observation wells, two (14B and APF60) were destroyed, two (61A and 61B) were discontinued, and 10 (23D, 23L, 23O, 43A, 45A, GW3B, GW97, GW100, NE2-1, and 6DP165) were either dry or could not be measured. Hydrographs of the wells showing water-level variations for the period of U.S. Geological Survey record through September 1985 are presented in Appendix A.

Thirty-two of the observation wells were equipped with recorders to provide refined definition of short-term hydrologic events. The water levels in these wells were recorded at 1-hour intervals. Water-level records from these 32 recorders are on file at the Jackson, Miss., or Tuscaloosa, Ala., offices of the U.S. Geological Survey. Recorders were moved systematically during the construction phase to ensure monitoring of strategic wells near areas of active Waterway construction. Wells that show greater than normal water-level variations are usually monitored until any abnormal conditions stabilize or are accounted for.

#### Ground-Water Quality

A total of 22 wells in the ground-water network were sampled during the 1985 reporting period by the U.S. Geological Survey. Five additional sites selected by the U.S. Army Corps of Engineers were also sampled. The results of the 27 U.S. Geological Survey analyses are given in Appendix A.

#### Surface Water

##### Surface-Water Network

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

##### Surface-Water Stage and Discharge

Surface-water stage and discharge data were collected at numerous sites in the area of the Tennessee-Tombigbee Waterway, including most sites at which water-quality data were collected. The collection of stage and discharge data at most of these sites was not part of this project. These data were collected at stations operated under cooperative programs with various State and Federal agencies. The data collected at sites not included in this project are available in the Jackson, Miss., or Tuscaloosa, Ala., offices of the U.S. Geological Survey. Data collected at stations operated for this project include: stage data at 03592824 Tenn-Tom Waterway at Cross Roads, MS; and stage and discharge data at 02430100 Mackeys Creek near Moores Mill, MS, and 03592718 Little Yellow Creek East near Burnsville, MS (Appendix B).

## Surface-Water Quality

Water-quality data were collected at 17 surface-water sites in the network at various frequencies during the 1985 reporting period as a part of this and other studies. Four sites, 02430005 Tenn-Tom Waterway below Bay Springs Lock and Dam, MS, 02437101 Tombigbee River below Aberdeen Lock and Dam, MS, 02441391 Tombigbee River below Columbus Lock and Dam, MS, and 02467001 Tombigbee River below Demopolis Lock and Dam, AL, were added and two sites, 02446500 Sipsey River near Elrod, AL, and 02448500 Noxubee River near Geiger, AL, were reactivated at the beginning of the 1985 reporting period. Sampling at six sites, 02429975 Black Branch at Paden, MS, 02429985 Sandy Hook Creek near Paden, MS, 02437500 Tombigbee River at Aberdeen, MS, 02437560 Nichols Creek near Aberdeen, MS, 02441400 Tombigbee River near Columbus, MS, and 03592708 Little Yellow Creek near Holts Spur, MS, was discontinued at the beginning of the 1985 reporting period.

The results of analyses of water samples obtained at 02441000 Tibbee Creek near Tibbee, MS, are not necessarily representative of the stream conditions upstream of the sampling site. The normal pool elevation of 163.00 feet National Geodetic Vertical Datum of 1929 for Columbus Lake creates a stage of about 8.8 ft at the Tibbee Creek site resulting in variable backwater conditions. The backwater condition causes a large cross-sectional area and extremely low velocities; therefore, measurements of stream discharge are not practical for water samples collected during these conditions.

A water-quality monitor was operated at 03592824 Tenn-Tom Waterway at Cross Roads, MS. The parameters monitored include: specific conductance, pH, water temperature, turbidity, and dissolved oxygen. These parameters were recorded at 1-hour intervals. A US PS-69 pumping suspended-sediment sampler, automatically activated at 12-hour intervals, was also operated at this site.

The results of these analyses and summaries of daily water-quality values recorded by the monitor during the 1985 reporting period are presented in Appendix B.

Data for suspended-sediment concentration, particle-size distribution of suspended sediment, and surface bed material were collected at 02436500 Town Creek near Nettleton, MS, and 02448000 Noxubee River at Macon, MS. Specific conductance and temperature were measured daily at two sites on the lower Tombigbee River: 02449000 Tombigbee River at Gainesville, AL, and 02469762 Tombigbee River below Coffeerville Lock and Dam, AL. The results of these measurements as well as results of analyses of water samples collected at 02469762 Tombigbee River below Coffeerville Lock and Dam, AL, are also presented in Appendix B. The collection of data at these sites was not part of this project.

In August 1985, a water-quality reconnaissance was made at 69 miscellaneous surface-water sampling sites along the Waterway from the upper end of Lock "E" Pool to the lower end of Demopolis Lake, in con-

junction with routine sampling of the 18 sites in the surface-water network. These 69 sites included sites located near the center of selected bendways, below canal section gated spillway structures, above and below canal section minimum flow structures, in the upper and lower portions of each Lake and Pool, and below Lock and Dam minimum flow structures. Field determinations included: Secchi Disk and vertical profile for temperature, specific conductance, dissolved oxygen, and pH, at all sites; instantaneous discharge at canal section minimum flow structures; and fecal coliform at sites in the upper and lower portions of each Lake and Pool. Descriptions of the sites and the results of the field determinations are presented in Appendix B.

### Disposal Area

#### Disposal Area Network

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

#### Disposal Area Water Levels

Except for two dry wells, water levels in the disposal area wells were measured quarterly during the 1985 reporting period. Water levels and water-quality analyses for four wells in the disposal areas are tabulated in Appendix C.

#### Disposal Area Water Quality

Four wells in the network were sampled quarterly by the U.S. Geological Survey during the 1985 reporting period. In order to ensure that the samples were representative of water in the cast overburden material, the wells were bailed to near the bottom, allowed to recover, and then sampled. The results of analyses of these samples are given in Appendix C.

#### Disposal Area Rainfall

Three tipping-bucket rain gages with recorders were operated and rainfall amounts were recorded at 15-minute intervals at sites in three disposal areas. Daily summaries of rainfall measured at each rain gage during the 1985 reporting period are presented in Appendix C.

## QUALITY ASSURANCE

### Ground-Water Levels

The collection, analysis, and computation of ground-water level records are conducted in accordance with techniques and procedures established by the U.S. Geological Survey and are within the guidelines recommended in the "National Handbook of Recommended Methods 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). The field activities are presented in three chapters entitled "General Procedures for Gaging Streams" (Carter and Davidian, 1968), "Stage Measurements at Gaging Stations" (Buchanan and Somers, 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

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

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

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

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

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- 1980, Hydrologic monitoring in the area of the Tennessee-Tombigbee Waterway, Mississippi-Alabama, Fiscal Year 1979: U.S. Geological Survey Open-File Report, 153 p.



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APPENDIXES

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

PRINCIPAL AQUIFER

<u>Geologic unit code</u>	<u>Aquifer name and age</u>
110ALVM	QUATERNARY ALLUVIUM, QUATERNARY
110TRCS	UNDIFFERENTIATED TERRACE DEPOSITS, QUATERNARY
111ALVM	HOLOCENE ALLUVIUM, HOLOCENE
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
300PLZC	PALEOZOIC ERATHEM, PALEOZOIC
330MSSP	MISSISSIPPIAN SYSTEM, MISSISSIPPIAN
337FRPN	FORT PAYNE CHERT, LOWER 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.

WATER-QUALITY REMARKS

<u>Remark Code</u>	<u>Remark</u>
E	Estimated value
>	Actual value is known to be greater than the value shown
<	Actual value is known to be less than the value shown
K	Results based on colony count outside the acceptance range (non-ideal colony count)

WATER-QUALITY SAMPLE SOURCE AND CONDITION

Numerical codes have been assigned to describe the source of the sample and the conditions under which it was collected. A numerical code will not be given in a water-quality table except to describe unusual conditions. The codes that may be given in this report are as follows:

<u>Sample source</u>	<u>Sampling condition</u>
26 Pump	0.10 Pumping
33 Bailer	0.11 Pumped recently
1004 Cast overburden	15 Bailing

APPENDIX A  
GROUND-WATER DATA

APPENDIX A  
GROUND-WATER DATA  
DESCRIPTIONS OF WELLS

DESCRIPTIONS OF WELLS

LOCAL NUMBER	OWNER	PRINCIPAL AQUIFER	LAND NET LOCATION	DATE COMPLETED	ALTITUDE OF LAND SURFACE (FEET)	DEPTH OF WELL (FEET)	CASING DIAMETER (INCHES)	DISCHARGE (GALLONS PER MINUTE)	USGS ELECTRIC LOG NUMBER
GREENE COUNTY									
0001	USCE 134A	111ALVM	NMNEWS25T22NR2W	09/12/1972	117.8	28	4	7.0	--
0002	USCE 135A	111ALVM	SENEWS24T22NR2W	09/12/1972	112.8	38	4	30	--
P013	USCE 136A	111ALVM	NENMS19T22NR1W	09/11/1972	108.1	27	4	7.0	--
W003	USCE GW1A	211EJTW	SENEWS4T21NR1W	08/25/1974	110.1	278	4	--	W03
W004	USCE GW1B	111ALVM	SENEWS4T21NR1W	08/26/1974	109.6	32	4	--	--
GW2	USCE GW2	111ALVM	NENMS12T22NR02W	08/22/1974	120.00	38	2	--	--
GW3	USCE GW3	111ALVM	NEWS01T22NR02W	08/26/1974	117.00	31	2	--	--
GW3B	USCE GW3B	111ALVM	NWSES06T22NR01W	08/28/1974	146.00	31	2	--	--
GW5	USCE GW5	111ALVM	NESES14T23NR02W	09/10/1974	125.00	17	2	--	--
GW6	USCE GW6	111ALVM	NWSES13T23NR02W	08/30/1974	126.00	23	2	--	--
GW9	USCE GW9	111ALVM	S02T23NR02W	09/10/1974	123.00	20	2	--	--
GW11	USCE GW11	111ALVM	SWS02T23NR02W	09/11/1974	119.00	22	2	--	--

GROUND-WATER NETWORK

PICKENS COUNTY

P019	USCE 122A	211EJTW	SENEWS15T21SR17W	09/28/1972	140	134	2	8.5	P19
P020	USCE 122B	111ALVM	SENEWS15T21SR17W	09/28/1972	139.8	30	4	8.5	--
P021	USCE 124A	211EJTW	SWS13T21SR17W	08/29/1972	160	195	4	30	P21
P022	USCE 124B	211EJTW	SWS13T21SR17W	08/30/1972	160.0	66	4	1.0	P22
P023	USCE 125A	211EJTW	SWS13T21SR17W	08/31/1972	222	230	4	50	P23
P024	USCE 125B	211EJTW	SWS13T21SR17W	09/06/1972	222	180	4	30	P24
P025	USCE GW21A	211EJTW	SESESWS34T21SR17W	09/16/1974	139.6	139	4	--	P25
P026	USCE GW21B	111ALVM	SESESWS34T21SR17W	09/16/1974	139.8	14	4	--	--
AA48	USCE GW12A	211EJTW	SESNWS34T24NR2W	09/04/1974	135.6	91	4	--	AA48
AA49	USCE GW12B	111ALVM	SESNWS34T24NR2W	09/04/1974	135.8	18	4	--	--
AA55	USCE GW12D	211EJTW	SWSSES22T24NR02W	05/29/1980	140.00	125	4	--	--
AA56	USCE GW12C	111ALVM	SWSSES22T24NR02W	05/29/1980	140.00	19	4	--	--
AA57	USCE GW12E	111ALVM	SWSSES22T24NR02W	05/29/1980	115.00	14	4	--	--
GW10	USCE GW10	111ALVM	NESES04T23NR02W	09/17/1974	125.00	25	2	--	--
GW13	USCE GW13	111ALVM	NESES34T24NR02W	09/11/1974	132.00	19	2	--	--

DESCRIPTIONS OF WELLS--Continued

LOCAL NUMBER	OWNER	PRINCIPAL AQUIFER	LAND NET LOCATION	DATE COMPLETED	ALTITUDE OF LAND SURFACE (FEET)	DEPTH OF WELL (FEET)	CASING DIAMETER (INCHES)	DISCHARGE (GALLONS PER MINUTE)	USGS ELECTRIC LOG NUMBER
PICKENS COUNTY--Continued									
GM14	USCE GW14	1111ALVM	SEWWS30T24NR2W	09/19/1974	125.3	23	2	--	--
GM15	USCE GW15	1111ALVM	NENES25T24NR03W	09/20/1974	124.00	19	2	--	--
GM16	USCE GW16	1111ALVM	SESW08T24NR02W	09/25/1974	131.00	38	2	--	--
GM17	USCE GW17	1111ALVM	NENES08T24NR02W	10/01/1974	130.00	48	2	--	--
GM18	USCE GW18	1111ALVM	NENES08T24NR02W	09/24/1974	133.00	36	2	--	--
GM19	USCE GW19	1111ALVM	MWNES19T22SR16W	09/30/1974	134.00	41	2	--	--
GM20	USCE GW20	1111ALVM	SWWS26T22SR17W	01/29/1975	169.00	24	2	--	--
GM21	USCE GW21	1111ALVM	SWNES22T22SR17W	09/24/1974	143.1	10	2	--	--
GM23B	USCE GW23B	1111ALVM	NENWS24T22SR17W	10/01/1974	136.00	28	2	--	--
GM24	USCE GW24	1111ALVM	SEWS12T22SR17W	10/02/1974	142.00	30	2	--	--
SUMTER COUNTY									
F009	USCE 131A	2111EUTW	MWWS21T22NR2W	09/15/1972	141	390	2	8.5	F09
F010	USCE 132A	2111EUTW	MWWS22T22NR2W	09/20/1972	159.7	370	2	8.5	F10
F011	USCE GW1	1111ALVM	SEWWS27T22NR2W	08/20/1974	111.1	24	4	--	--
GM4	USCE GW4	1111ALVM	MWWS28T23NR2W	06/13/1974	122.3	23	2	--	--
GM7	USCE GW7	1111ALVM	SEWS15T23NR02W	09/03/1974	122.00	32	2	--	--
ALCORN COUNTY									
L034	USCE NW1-1	2111GORD	NENES32T03SR09E	04/28/1978	500.00	259	1.50	--	--
L035	USCE NW1-2	2111EUTW	NENES32T03SR09E	05/09/1978	500.00	250	1.50	--	--
L036	USCE NW1-3	2111EUTW	NENES32T03SR09E	05/12/1978	500.00	207	1.50	--	--
L037	USCE NW1-4	2111EUTW	NENES32T03SR09E	05/16/1978	500.00	166	1.50	--	--
L038	USCE NW2-2	2111GORD	MWWS06T04SR09E	04/06/1978	600.00	400	1.50	--	--
L039	USCE NW2-1	300PLZC	MWWS06T04SR09E	12/14/1977	590.00	621	1.50	--	--
L040	USCE NW2-3	2111EUTW	MWWS06T04SR09E	04/13/1978	580.00	327	1.50	--	--
L041	USCE NW3-1	2111GORD	NENWS01T04SR08E	05/01/1980	590.00	429	1.50	--	--
L042	USCE NW3-2	2111GORD	NENWS01T04SR08E	04/28/1980	590.00	398	1.50	--	--
L043	USCE NW3-3	2111EUTW	NENWS01T04SR08E	06/09/1980	590.00	320	1.50	--	--

DESCRIPTIONS OF WELLS--Continued

LOCAL NUMBER	OWNER	PRINCIPAL AQUIFER	LAND NET LOCATION	DATE COMPLETED	ALTITUDE OF LAND SURFACE (FEET)	DEPTH OF WELL (FEET)	CASING DIAMETER (INCHES)	DISCHARGE (GALLONS PER MINUTE)	USGS ELECTRIC LOG NUMBER
ALCORN COUNTY--Continued									
L044	USCE NW3-4	211EUTW	NENWS01T04SR08E	06/12/1980	590.00	270	1.50	--	--
L045	USCE NW4-1	211GORD	NMSWS02T04SR08E	04/25/1983	520.00	415	1.50	--	--
L046	USCE W4-1	211GORD	SESES06T03SR09E	03/26/1981	600.00	460	1.50	--	--
L047	USCE W4-2	211EUTW	SESES06T03SR09E	04/02/1981	600.00	259	3	--	--
L048	USCE W4-3	211EUTW	SESES06T03SR09E	04/01/1981	600.00	315	3	--	--
L049	USCE W7-1	211GORD	SMSWS17T03SR09E	03/26/1982	600.00	430	1.50	--	--
L050	USCE W7-2A	211EUTW	SMSWS17T03SR09E	00/00/1981	600.00	380	1.50	--	--
L051	USCE W8-1	211GORD	SESES05T04SR09E	03/21/1982	537.00	340	1.50	--	--
L052	USCE W8-2	211GORD	SESES05T04SR09E	03/28/1983	537.00	263	3	--	--
L053	USCE W8-3	211EUTW	SESES05T04SR09E	03/03/1983	537.00	177	3	--	--
CLAY COUNTY									
J097	USCE 111A	211EUTW	SESW26T17SR07E	08/16/1972	180	110	4	--	040
J098	USCE 112A	211EUTW	SWNS30T17SR08E	08/17/1972	190	58	4	--	039
J132	USCE GW43	110ALVM	NESWS30T17SR08E	03/20/1975	216.20	12	1.50	--	--
J133	USCE GW44	110ALVM	SWS26T17SR07E	03/20/1975	180.60	14	1.50	--	--
J134	USCE GW47	110ALVM	NMSWS01T17SR07E	03/27/1975	179.70	15	1.50	--	--
J135	USCE GW48	110ALVM	NMSWS01T17SR07E	03/26/1975	180.60	24	1.50	--	--
ITAWAMBA COUNTY									
A023	USCE GW118	211MCSN	SENE36T07SR08E	07/08/1975	325.70	23	1.50	--	--
A024	USCE GW119	110ALVM	NESES35T07SR08E	07/10/1975	295.00	38	1.50	--	--
A025	USCE GW120	110ALVM	SESES34T07SR08E	07/14/1975	297.20	21	1.50	--	--
B005	USCE GW117	110ALVM	SMSWS29T07SR09E	07/16/1975	359.20	21	1.50	--	--
B007	USCE P6008	211GORD	SENE20T07SR09E	05/08/1978	319.60	60	1.50	--	--
B008	USCE P6018	211GORD	SMSWS21T07SR09E	05/16/1978	440.00	187	1.50	--	--
B009	USCE P6028	211GORD	NWNE28T07SR09E	06/23/1978	450.00	200	1.50	--	--
D034	USCE 61B	211EUTWR	SMSWS21T08SR08E	08/05/1975	300	74	4	--	--
D035	USCE 61A	211GORD	NMSWS02T08SR08E	08/21/1975	300.00	214	4	--	059
D039	USCE CF87	211EUTW	NMSWS25T08SR08E	10/01/1975	271.10	66	1.50	--	--



DESCRIPTIONS OF 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)	USGS ELECTRIC LOG NUMBER
ITAWAMBA COUNTY--Continued									
D040	USCE GW110	110AL VM	NENES12T09SR08E	07/02/1975	282.70	23	1.50	--	--
D041	USCE GW112A	110AL VM	NENES25 T08SR08E	06/19/1975	275.00	28	1.50	--	--
D042	USCE GW115	110AL VM	SESES10 T08SR08E	07/15/1975	299.20	29	1.50	--	--
D043	USCE GW116	211EUTW	SESW06 T08SR09E	07/08/1975	333.50	30	1.50	--	--
D044	USCE GW116A	110AL VM	SWSES01 T08SR08E	06/17/1980	285.00	25	1.50	--	--
D045	USCE P5008	211GORD	SWSES25 T08SR08E	08/28/1978	290.00	124	1.50	--	--
D046	USCE P5018	211GORD	SESES24 T08SR08E	05/01/1978	308.50	152	1.50	--	--
E005	USCE 65A	211GORD	SESES18 T08SR09E	05/18/1972	325	130	4	7.0	044
E009	USCE GW113	110AL VM	SWNES17 T08SR09E	07/07/1975	329.50	26	1.50	--	--
E010	USCE GW114	110AL VM	NESES18 T08SR09E	07/03/1975	311.70	12	1.50	--	--
F011	USCE P5038	211GORD	MNES30 T08SR09E	05/15/1978	420.00	221	1.50	--	--
G065	USCE 67A	211GORD	SESW27 T09SR08E	08/12/1975	270	179	4	--	058
G066	USCE 67B	211EUTW	SESW27 T09SR08E	08/13/1975	270	71	4	--	--
G067	USCE GW106B	211GORD	SWSES25 T09SR08E	04/19/1978	284.00	175	2	--	--
G068	USCE GW106A	110AL VM	SWSES25 T09SR08E	04/19/1978	290.00	10	2	--	--
G070	USCE GW104C	110AL VM	S26T09SR08E	01/01/1980	260.00	24	2	--	--
G072	USCE C38	110AL VM	SWNS25 T09SR08E	04/12/1973	263.20	33	1.50	--	--
G074	USCE GW104A	211GORD	NESES36 T09SR08E	04/20/1978	290.00	88	1.50	--	--
G075	USCE GW104B	211GORD	NESES36 T09SR08E	04/20/1978	290.00	138	1.50	--	--
G076	USCE GW105	110AL VM	NESES34 T09SR08E	07/11/1975	254.60	29	1.50	--	--
G077	USCE GW107	110AL VM	SWSES27 T09SR08E	07/02/1975	273.30	31	1.50	--	--
G078	USCE GW108	211EUTW	NEWS13 T09SR08E	07/02/1975	284.50	14	1.50	--	--
G079	USCE GW108B	211GORD	NEWS13 T09SR08E	04/27/1978	284.50	150	1.50	--	--
G080	USCE GW109	110AL VM	MWSWS15 T09SR08E	07/03/1975	278.20	24	1.50	--	--
G081	USCE GW109B	211GORD	MWSWS15 T09SR08E	05/05/1978	278.20	198	1.50	--	--
G082	USCE GW111	110AL VM	SESW02 T09SR08E	07/23/1975	270.90	35	1.50	--	--
G083	USCE GW112	110AL VM	MWSWS03 T09SR08E	09/01/1975	292.90	24	1.50	--	--
G084	USCE GW104	110AL VM	SWNS36 T09SR08E	07/01/1975	240.00	26	2	--	--
K039	USCE 71A	211GORD	MNES24 T10SR08E	06/20/1972	273	170	4	7.0	048
K041	USCE GW100	110AL VM	NESES24 T10SR08E	06/24/1975	269.20	21	1.50	--	--
K042	USCE BF179-75	211GORD	S12T10SR08E	01/14/1976	250.00	46	2	--	--
L014	USCE 74A	211GORD	SWWS17 T10SR09E	06/22/1972	270.00	150	4	200	047
L016	USCE 75A	211GORD	SEWS17 T10SR09E	06/22/1972	300	144	4	195	049
L017	USCE 72A	110AL VM	SEWS18 T10SR09E	06/11/1972	249	21	4	7.0	--
L019	USCE 74B	110 TRCS	SWWS17 T10SR09E	01/01/1948	270.00	16	24	--	--

DESCRIPTIONS OF 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)	USGS ELECTRIC LOG NUMBER
ITAWAMBA COUNTY--Continued									
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	NWINS18T10SR09E	07/08/1980	255.00	32	1.50	--	--
L025	USCE GW101	110ALVM	SESW06T10SR09E	06/26/1975	304.80	21	1.50	--	--
L026	USCE GW102	110ALVM	SESE01T10SR08E	06/22/1975	277.10	21	1.50	--	--
N028	USCE 81A	211GORD	SWNES26T11SR08E	07/13/1972	246	180	4	8.0	048
N029	USCE GW95A	110ALVM	SENES23T11SR08E	06/16/1975	242.40	35	1.50	--	--
0010	USCE GW94	110ALVM	SESES20T11SR09E	06/18/1975	278.00	23	1.50	--	--
0011	USCE GW95	110ALVM	SWSWS17T11SR09E	06/19/1975	325.40	29	1.50	--	--
0012	USCE GW96	110ALVM	NWSES18T11SR09E	06/20/1975	262.90	23	1.50	--	--
0013	USCE GW96A	110ALVM	SWNWS20T11SR09E	06/22/1975	238.60	24	1.50	--	--
0014	USCE GW97	110ALVM	SESW14T10SR09E	06/25/1975	393.90	60	1.50	--	--
0015	USCE GW98	110ALVM	SWSWS31T10SR09E	06/23/1975	267.20	23	1.50	--	--
0016	USCE BF165-75	110ALVM	SWSWS05T11SR09E	01/14/1976	250.00	50	2	--	--
0017	USCE B54-73	110ALVM	SWSWS05T11ST09E	05/01/1973	240.00	27	2	--	--
LOWMEDES COUNTY									
A033	USCE T1M3A	211EUTW	NWNS36T16SR19W	04/17/1975	182.0	78	4	--	062
A034	USCE T1M3B	110ALVM	NWNS36T16SR19W	04/17/1975	182.0	31	6	--	--
A038	USCE GW49	110ALVM	SWSES30T16SR18W	05/15/1975	181.80	35	1.50	--	--
C099	USCE 115A	211EUTW	S19T17SR18W	08/25/1972	172	84	4	--	051
C100	USCE 114B	110TRCS	S27T17SR19W	08/23/1972	170	47	4	--	050
C101	USCE 114C	211EUTW	S24T17SR19W	08/25/1972	170	92	4	--	050
C102	USCE 115B	110TRCS	S19T17SR18W	08/25/1972	172	24	4	--	051
C130	USCE GW42	110ALVM	SESES25T18SR19W	03/21/1975	168.90	32	1.50	--	--
C131	USCE GW45	110ALVM	SWNES07T17SR19W	03/20/1975	198.30	22	1.50	--	--
F073	USCE T1M2A	211EUTW	NWNES25T19NR17E	04/01/1975	160	162	4	--	060
F074	USCE T1M2B	110ALVM	NEWS25T19NR17E	04/02/1975	160	19	6	--	060
F081	USCE P2-101	211EUTW	SES15T18SR17E	11/15/1976	208.00	140	1.50	--	--
F082	USCE P2-102	211EUTW	NWMS15T18SR17E	11/12/1976	204.00	143	1.50	--	--
F083	USCE P3-101	211EUTW	SES15T18SR17E	11/15/1976	208.00	200	1.50	--	--
F084	USCE P3-102	211EUTW	NWMS15T18SR17E	11/12/1976	210.00	236	1.50	--	--

DESCRIPTIONS OF 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)	USGS ELECTRIC LOG NUMBER
LOWNDES COUNTY--Continued									
G197	USCE GW40	110AL VM	NENES04T19SR18W	10/17/1974	162.30	25	1.50	--	--
G198	USCE GW41	110AL VM	NHINW504T19SR18W	10/15/1974	160.40	28	1.50	--	--
G199	USCE GW42A	110AL VM	S06T18SR19W	06/06/1980	160.00	37	1.50	--	--
L051	USCE GW35	110AL VM	S25T19SR18W	10/07/1974	152.30	22	1.50	--	--
L052	USCE GW36	110AL VM	S24T19SR18W	10/07/1974	179.00	32	1.50	--	--
L053	USCE GW38	110AL VM	SEINWS20T18NR18W	01/23/1975	160.00	40	1.50	--	--
L054	USCE GW39	110AL VM	SWS17T18NR18W	01/22/1975	160.00	32	1.50	--	--
P026	USCE GW33	110AL VM	S25T17NR18E	11/18/1974	160.00	20	1.50	--	--
P027	USCE GW34	110AL VM	S24T17NR18E	01/17/1975	160.00	17	1.50	--	--
P028	USCE GW37	110AL VM	S04T17NR18E	01/20/1975	170.00	22	1.50	--	--
Q012	USCE TTM1A	211EUTW	SWNES17T20SR17W	04/04/1975	150	141	4	--	361
Q013	USCE TTM1B	110AL VM	SWNES17T20SR17W	04/05/1975	150	24	6	--	--
Q014	USCE GW30	110AL VM	S28T20SR17W	10/07/1974	144.20	24	1.50	--	--
Q015	USCE GW31	110AL VM	S16T20SR17W	10/03/1974	142.60	25	1.50	--	--
Q016	USCE GW32	110AL VM	S09T20SR17W	07/31/1975	152.80	35	1.50	--	--

MONROE COUNTY

B068	USCE APF58	211EUTW	NEINWS34T12SR19W	01/15/1976	210.00	60	2	--	--
C051	USCE 84A	211GORD	NHINWS36T11SR08E	06/29/1972	234	170	4	30	076
C052	USCE 84B	211GORD	NHINWS36T11SR08E	07/10/1972	234	110	4	10	076
C053	USCE 84C	110AL VM	NHINWS36T11SR08E	07/10/1972	234	27	4	10	076
C054	USCE 85A	110AL VM	NHINWS36T11SR08E	07/11/1972	235	21	4	18	074
C057	USCE 89A	211GORD	NEINWS01T12SR08E	06/30/1972	245	166	4	20	071
C058	USCE 89B	211MCSN	NEINWS01T12SR08E	07/06/1972	245	45	4	2.0	071
C059	USCE 95A	211GORD	SWINWS21T12SR08E	08/30/1972	220	166	4	4.0	078
C060	USCE 96A	211GORD	NHINWS20T12SR18W	07/25/1972	253.00	164	4	--	080
C061	USCE 91A	211MCSN	SWINWS17T12SR08E	07/00/1972	218	88	4	--	081
C062	USCE 92A	211GORD	SWINWS20T12SR08E	07/00/1972	216	200	4	--	082
C066	USCE 94A	110AL VM	SESE20T12SR08E	07/00/1972	217	20	4	--	--
C067	USCE 95B	110AL VM	SWINWS21T12SR08E	08/30/1972	220	20	4	7.0	078
C068	USCE 92B	110AL VM	SWINWS20T12SR08E	08/30/1972	216	19	4	7.0	082
C069	USCE 91B	110AL VM	SWINWS17T12SR08E	08/00/1972	218	20	4	4.0	081

DESCRIPTIONS OF 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)	USGS ELECTRIC LOG NUMBER
MONROE COUNTY--Continued									
C070	USCE 96B	110TRCS	SEMS20T12SR18W	08/00/1972	257	16	24	--	--
C080	USCE T1M6A	211TBGB	NENES33T13SR19W	05/14/1975	210	65	4	--	104
C081	USCE T1M6B	110AL VM	NENES33T13SR19W	05/16/1975	210	38	6	--	--
C085	USCE A1A	110AL VM	SMSWS20T12SR08E	06/17/1982	215.00	5	1.50	--	--
C086	USCE A1	110AL VM	SMSWS20T12SR08E	06/17/1982	215.00	24	1.50	--	--
C087	USCE A2	110AL VM	MWNMS29T12SR08E	06/18/1982	215.00	29	1.50	--	--
C088	USCE A2A	110AL VM	MWNMS29T12SR08E	06/18/1982	215.00	5	1.50	--	--
C089	USCE A3	110AL VM	MWNMS29T12SR08E	06/21/1982	215.00	25	1.50	--	--
C090	USCE A3A	110AL VM	MWNMS29T12SR08E	07/01/1982	215.00	5	1.50	--	--
C091	USCE APF60	211EUTW	MWS26T12SR19W	07/02/1975	210.50	70	1.50	--	--
C092	USCE GW80	110AL VM	SWNES35T12SR19W	05/28/1975	236.40	33	1.50	--	--
C093	USCE GW81	110AL VM	MWSES36T12SR19W	05/29/1975	235.70	25	1.50	--	--
C094	USCE GW83	110AL VM	SESES30T12SR08E	06/02/1975	213.20	33	1.50	--	--
C095	USCE GW85	110AL VM	SWSES20T12SR18W	06/10/1975	257.60	26	1.50	--	--
C096	USCE GW86	110AL VM	MWNES19T12SR18W	06/09/1975	247.10	24	1.50	--	--
C097	USCE GW86A	110AL VM	NESWS21T12SR08E	06/23/1980	210.00	31	1.50	--	--
C098	USCE GW87	110AL VM	SENWS16T12SR18W	06/18/1975	258.00	30	1.50	--	--
C099	USCE GW88	110AL VM	SMSWS15T12SR08E	06/05/1975	244.20	24	1.50	--	--
C100	USCE GW89	110AL VM	SEWS09T12SR08E	06/04/1975	225.20	30	1.50	--	--
C101	USCE GW90	110AL VM	NENWS13T12SR08E	06/13/1975	270.00	26	1.50	--	--
C102	USCE GW91	110AL VM	SENES11T12SR08E	06/12/1975	261.30	23	1.50	--	--
C104	USCE GW92A	211GORD	MWWS01T12SR08E	04/14/1975	257.30	215	1.50	--	--
C105	USCE GW92B	211EUTW	MWWS01T12SR08E	04/14/1975	257.30	122	1.50	--	--
C106	USCE GW92C	211EUTW	MWWS01T12SR08E	04/14/1975	257.40	100	1.50	--	--
C107	USCE LA2L	211GORD	SWNWS24T12SR19W	05/01/1975	220.00	147	1.50	--	--
C108	USCE LA2U	211EUTW	SWNWS24T12SR19W	05/02/1975	220.00	67	1.50	--	--
C109	USCE LA4L	211GORD	NESES36T12SR19W	05/03/1975	235.00	90	1.50	--	--
C110	USCE LA4U	211GORD	NESES36T12SR19W	05/04/1975	235.00	122	1.50	--	--
C111	USCE LA5L	211GORD	SWSES30T12SR08E	05/05/1975	210.00	205	1.50	--	--
C112	USCE LA5U	211EUTW	SWSES30T12SR08E	05/06/1975	210.00	57	1.50	--	--
C113	USCE AF63	211EUTW	SWSES03T12SR08E	01/20/1976	230.00	54	2	--	--
D032	USCE GW92	110AL VM	NENWS06T12SR09E	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	110AL VM	SWNWS06T12SR09E	05/15/1975	259.40	20	1.50	--	--

DESCRIPTIONS OF 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)	USGS ELECTRIC LOG NUMBER
MONROE COUNTY--Continued									
G036	USCE GW94A	110AL VM	NMWS06T12SR09E	06/26/1975	255.00	27	1.50	--	--
G052	USCE APF55	211EUTW	SWS03T13SR19W	08/05/1975	205.70	69	1.50	--	--
G053	USCE APF57	211EUTW	SESMS34T12SR19W	07/22/1975	207.30	50	1.50	--	--
G054	USCE GW73	110AL VM	SESMS27T13SR07E	05/23/1975	198.00	32	1.50	--	--
G055	USCE GW74	110AL VM	SMNWS36T13SR19W	05/26/1975	214.30	32	1.50	--	--
G056	USCE GW76	110AL VM	NMES10T13SR19W	06/02/1975	203.40	45	1.50	--	--
G057	USCE GW76A	110AL VM	NMES15T13SR07E	06/18/1975	202.40	25	1.50	--	--
G058	USCE GW77	110AL VM	NENES11T13SR19W	05/31/1975	234.20	46	1.50	--	--
G059	USCE GW78	110AL VM	NENWS03T13SR07E	05/20/1975	205.30	36	1.50	--	--
G060	USCE GW75	110AL VM	NMES23T13SR19W	05/21/1975	200.00	30	2	--	--
H017	USCE TTM5A	211EUTW	SMSES22T13SR19W	05/08/1975	200	90	4	--	103
H018	USCE TTM5B	110AL VM	SMSES22T13SR19W	05/08/1975	200	26	6	--	--
L062	USCE 105A	211EUTW	SMWS19T14SR19W	08/11/1972	210	64	4	--	087
L063	USCE 101A	211EUTW	SMWS15T14SR07E	08/09/1972	202	90	4	--	084
L064	USCE 102A	211EUTW	NMWS23T14SR07E	08/04/1972	191	50	4	--	085
L065	USCE 104A	211EUTW	SESES10T14SR19W	08/14/1972	194	55	4	--	086
L067	USCE 104B	110AL VM	SESES10T14SR19E	08/15/1972	194	24	4	--	086
L068	USCE 102B	110AL VM	NMWS23T14SR07E	08/07/1972	191	30	4	--	085
L069	USCE 101B	110TRCS	SMWS15T14SR07E	08/09/1972	202.00	20	4	--	--
L073	USCE TTM4A	211EUTW	NW S36T14SR07E	04/10/1975	200	177	4	--	102
L074	USCE TTM4B	110AL VM	NW S36T14SR07E	04/00/1975	200	26	6	--	--
L075	USCE AB11	211MCSN	SMWS26T14SR07E	12/11/1976	200.00	224	4	--	105
L077	USCE AB10	211EUTW	SMWS26T14SR07E	12/15/1976	200.00	145	4	--	--
L078	USCE AB12	211EUTW	SMWS26T14SR07E	12/17/1976	200.00	90	4	--	--
L084	USCE AB1	211EUTW	NMWS26T14SR07E	10/28/1976	195.00	80	1.50	--	--
L085	USCE AB2	211EUTW	NMWS26T14SR07E	10/28/1976	195.00	146	1.50	--	--
L086	USCE AB2A	211EUTW	NMWS26T14SR07E	11/06/1976	195.00	119	1.50	--	--
L087	USCE AB5	211EUTW	NESES10T14SR19W	10/14/1976	192.00	150	1.50	--	--
L088	USCE AB6	211EUTW	S26T14SR07E	11/07/1976	190.00	70	1.50	--	--
L089	USCE AB7	211EUTW	S26T14SR07E	11/07/1976	187.40	133	1.50	--	--
L090	USCE GW70	110AL VM	SMWS14T14SR07E	05/28/1975	193.30	26	1.50	--	--
L091	USCE GW70A	110AL VM	NMWS23T14SR19W	06/17/1980	193.00	27	1.50	--	--
L092	USCE GW71	110AL VM	NENWS12T14SR19W	05/15/1975	225.40	32	1.50	--	--
L093	USCE GW72	110AL VM	SESES01T14SR19W	05/19/1975	220.80	30	1.50	--	--
L095	USCE P1	211EUTW	NENWS35T14SR19W	10/05/1982	190.00	38	1.50	--	--

DESCRIPTIONS OF WELLS--Continued

LOCAL NUMBER	OWNER	PRINCIPAL AQUIFER	LAND NET LOCATION	DATE COMPLETED	ALTITUDE OF LAND SURFACE (FEET)	DEPTH OF WELL (FEET)	CASING DIAMETER (INCHES)	DISCHARGE (GALLONS PER MINUTE)	USGS ELECTRIC LOG NUMBER
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MONROE COUNTY--Continued

L096	USCE P2	211EUTW	NENWS35T14SR19W	10/01/1982	190.00	42	1.50	--	--
P077	USCE GW58	110ALVM	NWNS18T15SR08E	03/11/1975	203.30	9	1.50	--	--
Q083	USCE GW50	110ALVM	SWNS13T16SR19W	03/20/1980	193.20	9	1.50	--	--
Q084	USCE GW51	110ALVM	SWNS18T16SR18W	03/18/1975	204.90	21	1.50	--	--
Q085	USCE GW52	110ALVM	SENE18T16SR18W	03/19/1975	199.80	19	1.50	--	--
Q086	USCE GW53	110ALVM	NWSES01T16SR19W	03/28/1975	180.80	29	1.50	--	--
Q087	USCE GW54	110ALVM	NENES06T16SR18W	03/20/1975	199.10	18	1.50	--	--
Q088	USCE GW55	110ALVM	NENES35T15SR19W	03/25/1975	179.20	33	1.50	--	--
Q089	USCE GW56	110ALVM	NWNE36T15SR19W	03/21/1975	185.50	30	1.50	--	--
Q090	USCE GW57	110ALVM	SWNS30T15SR18W	03/21/1975	205.40	20	1.50	--	--
Q091	USCE GW59	110ALVM	NWNS01T15SR19W	03/25/1975	189.90	42	1.50	--	--
Q092	USCE GW60	110ALVM	SENE01T15SR19W	03/12/1975	184.10	21	1.50	--	--
Q095	USCE GW60A	110ALVM	SWNS13T15SR19W	06/13/1980	184.00	24	1.50	--	--

NOXUBEE COUNTY

E025	USCE 121A	211EUTWR	SENS14T16NR19E	09/26/1972	140	150	4	--	026
E026	USCE 121B	110ALVM	SENS14T16NR19E	09/27/1972	140	28	4	9.0	026
E031	USCE GW28	110ALVM	SW02T16NR19E	10/20/1974	143.00	24	2	--	--
E032	USCE GW29	110ALVM	SENE02T16NR19E	10/20/1974	146.00	35	2	--	--

PRENTISS COUNTY

D027	USCE MW1-1	211EUTW	NWNE33T04SR09E	08/16/1977	510.00	242	1.50	--	--
D028	USCE MW1-2	211EUTW	NWNE33T04SR09E	08/18/1977	510.00	158	1.50	--	--
D029	USCE MW1-3	211EUTW	NWNE33T04SR09E	08/22/1977	510.00	63	1.50	--	--
D030	USCE MW1-4	211GORD	NE33T04SR09E	09/04/1978	510.00	285	1.50	--	--
D031	USCE MW2-1	211GORD	SENE31T04SR09E	03/11/1980	440.00	270	1.50	--	--
D032	USCE MW2-2	211GORD	SENE31T04SR09E	03/18/1980	440.00	220	1.50	--	--
D033	USCE MW2-3	211EUTW	SENE31T04SR09E	03/25/1980	440.00	181	1.50	--	--
D034	USCE MW2-4	211EUTW	SENE31T04SR09E	03/27/1980	440.00	129	1.50	--	--
D035	USCE MW2-5	211EUTW	SENE31T04SR09E	03/31/1980	440.00	60	1.50	--	--
D036	USCE W1-1	211GORD	SWNS08T04SR09E	07/07/1980	580.00	371	1.50	--	--

DESCRIPTIONS OF WELLS--Continued

LOCAL NUMBER	OWNER	PRINCIPAL AQUIFER	LAND NET LOCATION	DATE COMPLETED	ALTITUDE OF LAND SURFACE (FEET)	DEPTH OF WELL (FEET)	CASING DIAMETER (INCHES)	DISCHARGE (GALLONS PER MINUTE)	USGS ELECTRIC LOG NUMBER
PRENTISS COUNTY--Continued									
D037	USCE W1-2	211EUTW	SNWMS08T04SR09E	07/07/1980	580.00	280	1.50	--	--
D039	USCE W3-1	211GORD	SESW515T04SR09E	12/04/1980	495.00	215	1.50	--	--
D040	USCE W3-2	211EUTW	SESW515T04SR09E	12/10/1980	495.00	180	1.50	--	--
D041	USCE W5-1	211GORD	NEWS21T04SR09E	02/11/1982	580.00	250	1.50	--	--
D042	USCE W5-2	211EUTW	NEWS21T04SR09E	02/17/1980	580.00	192	1.50	--	--
H023	USCE SW2-1	330MSSP	SWSES10T05SR09E	11/18/1977	480.00	533	1.50	--	--
H025	USCE SW2-2	211GORD	SWSES10T05SR09E	12/08/1977	480.00	256	1.50	--	--
H026	USCE SW2-3	211GORD	SWSES10T05SR09E	12/13/1977	480.00	217	1.50	--	--
H027	USCE SW3-1	211GORD	SNWMS16T05SR09E	01/24/1980	450.00	258	1.50	--	--
H028	USCE SW3-2	211GORD	SNWMS16T05SR09E	02/04/1980	450.00	192	1.50	--	--
H029	USCE SW3-3	211EUTW	SNWMS16T05SR09E	07/02/1980	450.00	132	1.50	--	--
H030	USCE SW3-4	211EUTW	SNWMS16T05SR09E	02/12/1980	450.00	80	1.50	--	--
H031	USCE SW2-4	211MCSN	SWSES10T05SR09E	01/01/1977	480.00	133	1.50	--	--
H032	USCE W6-1	211GORD	SESES10T05SR09E	03/02/1982	480.00	225	1.50	--	--
H033	USCE W6-2	211GORD	SESES10T05SR09E	03/04/1982	480.00	162	1.50	--	--
H034	USCE W6-3	211EUTW	SESES10T05SR09E	03/09/1982	480.00	92	1.50	--	--
M016	USCE 53A	211GORD	SESN510T07SR09E	05/00/1972	332	35	4	3.0	060
M017	USCE 43C	211EUTWR	NWNS27T06SR09E	05/00/1972	445	90	4	--	062
M018	USCE 43B	211MCSN	NWNS27T06SR09E	05/00/1972	460	120	4	--	062
M019	USCE 52A	211GORD	SENE509T07SR09E	05/00/1972	324	40	4	20	064
M020	USCE 51A	211GORD	NWSES09T07SR09E	05/00/1972	356	64	4	6.0	063
M021	USCE 41A	211GORD	NWSES28T06SR09E	05/00/1972	480	226	4	--	058
M022	USCE 41B	211EUTW	NWSES28T06SR09E	05/00/1972	480	176	4	16	058
M023	USCE 43A	211GORD	NWNS27T06SR09E	05/00/1972	460	170	4	--	062
M025	USCE 43D	211EUTWR	NWNS27T06SR09E	05/00/1975	460	118	4	--	070
M026	USCE 42A	211EUTW	NENES28T06SR09E	05/00/1975	420	69	4	--	071
M027	USCE 42B	211EUTW	NENES28T06SR09E	05/00/1975	420	49	4	--	--
M028	USCE GW123A	110ALVM	S16T07SR09E	01/01/1980	316.00	23	2	--	--
M030	USCE GW122	110ALVM	SWSES07T07SR09E	02/21/1975	330.00	23	2	--	--
M031	USCE GW123	110ALVM	SESW515T07SR09E	07/15/1975	354.00	22	2	--	--
M032	USCE GW124	110ALVM	SESN509T07SR09E	07/18/1975	350.00	39	2	--	--

DESCRIPTIONS OF WELLS--Continued

LOCAL NUMBER	OWNER	PRINCIPAL AQUIFER	LAND NET LOCATION	DATE COMPLETED	ALTITUDE OF LAND SURFACE (FEET)	DEPTH OF WELL (FEET)	CASING DIAMETER (INCHES)	DISCHARGE (GALLONS PER MINUTE)	USGS ELECTRIC LOG NUMBER
TISHOMINGO COUNTY									
A014	USCE 8DP169	211EUTW	SENES24T02SR09E	03/26/1973	425.00	49	3	--	--
A015	USCE 8DP170	211EUTW	SENES24T02SR09E	03/27/1973	425.00	38	3	--	--
A016	USCE 10DP176	211EUTW	NE NWS36T02SR09E	05/07/1973	430.00	68	4	--	--
A017	USCE 10DP177	211GORD	NE NWS36T02SR09E	05/14/1973	430.00	48	4	--	--
A018	USCE 10DP178	211EUTW	NE NWS36T02SR09E	05/15/1973	430.00	26	4	--	--
A019	USCE 2MW16	211EUTW	NWSES35T02SR09E	00/00/1981	500.00	108	1.50	--	--
A020	USCE 2MW17	211GORD	NWSES35T02SR09E	00/00/1981	500.00	119	1.50	--	--
A021	USCE 2MW18	211GORD	NWSES35T02SR09E	00/00/1981	500.00	138	1.50	--	--
D036	USCE 1DP138	337FRPN	NW SWS35T03SR09E	00/00/1972	462	378	12	--	055
D037	USCE 14A	211GORD	SE NWS36T03SR09E	03/06/1972	545	184	2	--	56
D040	USCE 12A	211GORD	SENES34T03SR09E	03/09/1972	485	190	6	--	--
D041	USCE 12B	211EUTWR	SENES34T03SR09E	03/17/1972	485	150	8	60	--
D042	USCE 12C	211EUTWR	SENES34T03SR09E	03/21/1972	485	88	6	58	--
D043	USCE 14B	211EUTWR	SE NWS36T03SR09E	03/01/1972	545	154	2	--	--
D044	USCE 14C	211EUTW	SE NWS36T03SR09E	02/29/1972	545	106	2	--	--
D045	USCE 1DP139	211GORD	SWNES35T03SR09E	09/01/1972	462.00	288	3	--	--
D046	USCE 1DP140	211GORD	NW SWS35T03SR09E	05/00/1972	462	220	12	--	055
D047	USCE 1DP141	211EUTWR	NW SWS35T03SR09E	05/00/1972	462	134	3	2.0	055
D048	USCE 1DP142	211EUTWR	NW SWS35T03SR09E	05/00/1972	462	75	3	--	055
D050	USCE 11C	211GORD	SWSES33T03SR09E	10/21/1975	505.00	404	6	--	075
D051	USCE 11D	211EUTW	SWSES33T03SR09E	10/21/1976	505.00	210	6	--	--
D054	USCE 3DP150	211GORD	NESES14T03SR09E	08/18/1972	450.00	220	3	--	--
D055	USCE 3DP151	211GORD	NESES14T03SR09E	08/30/1972	450.00	163	3.20	--	--
D056	USCE 3DP152	211EUTW	NESES14T03SR09E	09/11/1972	450.00	100	3.20	--	--
D057	USCE 3DP153	211EUTW	NESES14T03SR09E	09/14/1972	450.00	77	3.20	--	--
D058	USCE 3DP154	211EUTW	NESES14T03SR09E	09/20/1972	450.00	50	3.20	--	--
D059	USCE 7DP167	211GORD	NESES01T03SR09E	03/12/1973	435.00	88	3	--	--
D060	USCE 7DP168	211EUTW	NESES01T03SR09E	03/13/1973	435.00	43	4	--	--
D062	USCE W2-1	211GORD	SW SWS11T03SR09E	10/28/1980	500.00	285	1.50	--	--
D063	USCE W2-2	211GORD	SW SWS11T03SR09E	11/20/1980	500.00	220	1.58	--	--
D064	USCE W2-3	211GORD	SW SWS11T03SR09E	11/03/1980	500.00	172	1.50	--	--
D065	USCE W2-4	211EUTW	SW SWS11T03SR09E	11/06/1980	500.00	104	1.50	--	--
D066	USCE 2MW5	211EUTW	SW SWS01T03SR09E	03/31/1980	455.00	60	1.50	--	--
D067	USCE 2MW6	211GORD	SW SWS01T03SR09E	00/00/1981	455.00	90	1.50	--	--
D068	USCE 2MW7	211EUTW	SWSES02T03SR09E	00/00/1981	455.00	110	1.50	--	--



DESCRIPTIONS OF WELLS--Continued

LOCAL NUMBER	OWNER	PRINCIPAL AQUIFER	LAND NET LOCATION	DATE COMPLETED	ALTITUDE OF LAND SURFACE (FEET)	DEPTH OF WELL (FEET)	CASING DIAMETER (INCHES)	DISCHARGE (GALLONS PER MINUTE)	USGS ELECTRIC LOG NUMBER
TISHOMINGO COUNTY--Continued									
D069	USCE 2M8	211GORD	SMS02T03SR09E	00/00/1981	455.00	131	1.50	--	--
E014	USCE 15A	211GORD	SNMS31T03SR10E	02/15/1972	540	340	2	20	050
E015	USCE 15B	211GORD	SNMS31T03SR10E	02/24/1972	540	204	4	3.0	050
E016	USCE 15C	211EUTWR	SNMS31T03SR10E	02/00/1972	540	130	4	3.0	050
E022	USCE NE2-1	300PLZC	SMS33T03SR10E	12/02/1977	580.00	440	1.50	--	--
E026	USCE NE2-2	211EUTW	SMS33T03SR10E	03/01/1978	580.00	82	1.50	--	--
E027	USCE NE2-3	211GORD	SMS33T03SR10E	03/07/1970	580.00	157	1.50	--	--
E028	USCE NE2-4	211GORD	SMS33T03SR10E	03/24/1978	580.00	340	1.50	--	--
E030	USCE NE3-1	300PLZC	SES26T03SR10E	10/09/1979	585.00	584	1.50	--	--
E031	USCE NE3-2	300PLZC	SES26T03SR10E	11/07/1979	585.00	450	1.50	--	--
E032	USCE NE3-3	300PLZC	SES26T03SR10E	11/15/1979	585.00	270	1.50	--	--
E033	USCE NE3-4	211GORD	SES26T03SR10E	11/21/1979	585.00	135	1.50	--	--
E034	USCE NE3-5	211EUTW	SES26T03SR10E	11/27/1979	585.00	63	1.50	--	--
E040	USCE E2-1	211GORD	SES20T03SR10E	03/08/1983	560.00	156	1.50	--	--
E041	USCE E2-2	211EUTW	SSES20T03SR10E	03/08/1983	560.00	107	1.50	--	--
E042	USCE 2M9	211EUTW	SENMS06T03SR10E	00/00/1981	445.00	36	1.50	--	--
E043	USCE 2M10	211EUTW	SENMS06T03SR10E	00/00/1973	445.00	42	3	--	--
E044	USCE 2M13	211EUTW	SMS36T02SR09E	00/00/1981	445.00	88	1.50	--	--
E045	USCE 2M14	211GORD	NMS36T02SR09E	00/00/1981	445.00	99	1.50	--	--
E046	USCE 2M15	211GORD	NMS36T02SR09E	00/00/1981	445.00	128	1.50	--	--
G004	USCE 21A	211GORD	SMS26T04SR09E	05/24/1971	585	278	4	3.0	022
G005	USCE 21B	211EUTWL	SMS36T04SR09E	05/00/1971	585	235	4	11	022
G013	USCE 35A	211GORD	SNMS33T04SR10E	07/00/1971	600	300	4	6.0	047
G014	USCE 35B	211EUTWR	SNMS33T04SR10E	07/22/1971	600	203	4	5.0	047
G015	USCE 25A	211GORD	SNMS20T04SR10E	07/28/1971	610	235	4	--	025
G016	USCE 25B	211EUTWR	SNMS20T04SR10E	08/03/1971	610	200	4	30	025
G017	USCE 26A	211GORD	SENE20T04SR10E	07/28/1971	565	250	2	--	026
G018	USCE 26B	211EUTWR	SENE20T04SR10E	07/00/1971	565	127	4	--	026
G019	USCE 26C	211EUTWR	SENE20T04SR10E	07/00/1971	565	72	2	5.0	026
G020	USCE 23C	211GORD	NNMS30T04SR10E	08/25/1971	588.0	330	2	--	030
G023	USCE 23G	211GORD	NNMS30T04SR10E	09/15/1971	601.0	260	2	--	036
G027	USCE 23I	30MSSP	NNMS30T04SR10E	10/07/1971	587.0	492	2	--	040
G031	USCE 23J	211GORD	NNMS30T04SR10E	12/02/1971	587.0	380	4	60	045
G032	USCE 23L	211EUTWR	NNMS30T04SR10E	12/08/1971	563.0	126	8	60	046
G033	USCE 23D	211EUTWR	NNMS30T04SR09E	08/31/1971	590.0	145	4	20	030

DESCRIPTIONS OF 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)	USGS ELECTRIC LOG NUMBER
TISHOMINGO COUNTY--Continued									
G034	USCE 23E	211EUTWR	MNWS30T04SR09E	09/30/1971	585.0	92	2	--	030
G038	USCE 22A	211GORD	MNWS25T04SR09E	01/31/1972	625	360	4	--	049
G040	USCE 22B	211EUTWR	MNWS25T04SR09E	02/04/1972	625	240	4	--	049
G041	USCE 23N	211EUTWL	MNWS30T04SR10E	01/24/1972	600.0	200	4	20	036
G042	USCE 23O	211EUTW	MNWS30T04SR10E	02/01/1972	561.0	60	6	9.0	037
G043	USCE 9DP171	211GORD	SESES14T04SR09E	02/00/1972	560	379	3.50	--	--
G078	USCE 6DP162A	211GORD	SESES24T04SR09E	02/07/1973	590.00	332	4	--	--
G079	USCE 6DP163	211GORD	SESES24T04SR09E	02/20/1973	590.00	222	4	--	--
G080	USCE 6DP164	211EUTW	SESES24T04SR09E	02/23/1973	590.00	125	4	--	--
G081	USCE 6DP165	211EUTW	SESES24T04SR09E	02/26/1973	573.00	73	3	--	--
G083	USCE ME1-1	211GORD	NENWS05T04SR10E	10/17/1977	500.00	190	1.50	--	--
G084	USCE ME1-2	211EUTW	NENWS05T04SR10E	10/18/1977	500.00	100	1.50	--	--
G085	USCE ME1-3	211EUTW	NENWS05T04SR10E	06/22/1978	495.00	65	3	--	--
G086	USCE ME1-1	211GORD	NENES21T04SR10E	02/08/1979	560.00	204	1.50	--	--
G087	USCE ME1-2	211EUTWL	NENES21T04SR10E	02/13/1979	560.00	129	1.50	--	--
G088	USCE ME1-3	211EUTW	NENES21T04SR10E	02/14/1979	560.00	71	1.50	--	--
G092	USCE ME2-1	211GORD	MNWS14T04SR10E	02/16/1979	560.00	162	1.50	--	--
G093	USCE ME2-2	211EUTW	MNWS14T04SR10E	02/16/1979	560.00	67	1.50	--	--
G094	USCE ME3-1	330MSSP	SWNES13T04SR10E	07/26/1979	517.00	466	1.50	--	--
G095	USCE ME3-2	211GORD	SWNES13T04SR10E	08/28/1979	517.00	93	1.50	--	--
G099	USCE SE1-1	330MSSP	SWNWS35T04SR10E	03/27/1979	560.00	344	1.50	--	--
G100	USCE SE1-2	211GORD	SWNWS35T04SR10E	06/08/1979	560.00	218	1.50	--	--
G101	USCE SE1-3	211MCSN	SWNWS35T04SR10E	04/26/1979	560.00	130	1.50	--	--
G102	USCE SE1-4	211EUTW	SWNWS35T04SR10E	04/30/1979	560.00	73	1.50	--	--
G103	USCE SE2-1	330MSSP	MNWS25T04SR10E	05/15/1979	580.00	341	1.50	--	--
G104	USCE SE2-2	211GORD	MNWS25T04SR10E	05/17/1979	580.00	183	1.50	--	--
G105	USCE SE2-3	211MCSN	MNWS25T04SR10E	05/22/1979	580.00	137	1.50	--	--
G106	USCE SE2-4	211EUTW	MNWS25T04SR10E	05/24/1979	580.00	103	1.50	--	--
G110	USCE 2DP143	300PLZC	SESMS11T04SR09E	05/22/1972	500.00	647	3.20	--	--
G111	USCE 2DP144A	211GORD	SESMS11T04SR09E	07/17/1972	500.00	270	3.20	--	--
G112	USCE 2DP147	211GORD	SESMS11T04SR09E	07/20/1972	500.00	165	3	--	--
G113	USCE 2DP148	211EUTW	SESMS11T04SR09E	07/25/1972	500.00	130	3	--	--
G114	USCE 2DP149A	211EUTW	SESMS11T04SR09E	08/03/1972	506.00	100	3.20	--	--
G115	USCE 4DP155	211GORD	SESMS31T04SR10E	10/12/1972	500.00	231	3.20	--	--
G116	USCE 4DP156	211GORD	SESMS31T04SR10E	01/01/1973	500.00	153	3.50	--	--

DESCRIPTIONS OF WELLS--Continued

LOCAL NUMBER	OWNER	PRINCIPAL AQUIFER	LAND NET LOCATION	DATE COMPLETED	ALTITUDE OF LAND SURFACE (FEET)	DEPTH OF WELL (FEET)	CASING DIAMETER (INCHES)	DISCHARGE (GALLONS PER MINUTE)	USGS ELECTRIC LOG NUMBER
TISHOMINGO COUNTY--Continued									
G117	USCE 4DP157	211EUTW	SESW31T04SR10E	10/25/1972	500.00	94	4	--	--
G118	USCE 4DP158	211EUTW	SESW31T04SR10E	10/26/1972	500.00	56	4	--	--
G120	USCE 9DP172	211GORD	NESES14T04SR09E	04/17/1973	560.00	255	3	--	--
G121	USCE 9DP173	211GORD	NESES14T04SR09E	04/19/1973	560.00	220	4	--	--
G122	USCE 9DP174	211EUTW	NESES14T04SR09E	04/23/1973	560.00	163	4	--	--
G123	USCE 9DP175	211EUTW	NESES14T04SR09E	04/24/1973	560.00	113	4	--	--
J008	USCE 33A	211EUTWL	NESES06T05SR09E	07/00/1971	515	172	4	--	027
J010	USCE 310	211GORD	NWSES08T05SR10E	00/00/1968	420.00	181	6	20	021
J013	USCE 34A	211GORD	NWNES05T05SR10E	07/00/1971	560	266	6	8.0	028
J014	USCE 34B	211EUTWR	NWNES05T05SR10E	07/00/1971	560	134	4	8.0	028
J016	USCE 33B	211EUTWR	NESES06T05SR09E	07/00/1971	515	90	4	--	027
J017	USCE 33C	211GORD	NESES06T05SR09E	09/01/1971	515	212	2	--	034
J018	USCE 31A	211GORD	SESW01T05SR09E	03/15/1972	473	178	4	1.0	33
J019	USCE 31B	211EUTWR	SESW01T05SR09E	03/27/1972	473	74	4	--	033
J020	USCE 32A	211GORD	NWNS06T05SR10E	04/27/1972	530	240	4	10	032
J021	USCE 32B	211EUTWR	NWNS06T05SR10E	04/00/1972	530	112	4	8.0	032
J066	USCE SW1-2	211EUTW	NWNS12T05SR09E	09/01/1977	550.00	150	1.50	--	--
J067	USCE SW1-3	211EUTW	NWNS12T05SR09E	09/08/1977	550.00	75	1.50	--	--
J075	USCE SW1-1	211GORD	SWNS12T05SR09E	08/25/1977	550.00	264	1.50	--	--
J076	USCE 5DP159	211GORD	NESES08T05SR10E	11/06/1972	440.00	148	4	--	--
J077	USCE 5DP160	211EUTW	NESES08T05SR10E	11/08/1972	440.00	60	3	--	--
J078	USCE 5DP161	211EUTW	NESES08T05SR10E	11/09/1972	440.00	34	3	--	--
J079	USCE E1-1	300PLZC	SWSES09T05SR10E	03/09/1981	520.00	348	1.50	--	--
J080	USCE E1-2	211GORD	SWSES09T05SR10E	02/16/1981	520.00	131	1.50	--	--
J081	USCE E1-3	211EUTW	SWSES09T05SR10E	03/16/1981	520.00	102	1.50	--	--
L029	USCE 54A	211GORD	SWSWS11T07SR09E	04/28/1972	332	27	4	--	058
L030	USCE 55A	211GORD	SESES11T07SR09E	05/11/1972	380	50	4	18	059
L031	USCE 45A	211GORD	NWNS25T06SR09E	03/29/1972	485	92	4	--	057
L032	USCE 45B	211MCSN	NWNS25T06SR09E	03/29/1972	485	76	4	--	057
L033	USCE 54B	110ALVM	SWSWS11T07SR09E	06/06/1972	332	12	4	0.50	058
L034	USCE 54C	110ALVM	SWSWS11T07SR09E	05/01/1972	333	13	2	--	058
L051	USCE GW125	110ALVM	SENES02T07SR09E	07/22/1975	367.10	17	2	--	--

DESCRIPTIONS OF WELLS--Continued

LOCAL NUMBER	OWNER	PRINCIPAL AQUIFER	LAND NET LOCATION	DATE COMPLETED	ALTITUDE OF LAND SURFACE (FEET)	DEPTH OF WELL (FEET)	CASING DIAMETER (INCHES)	DISCHARGE (GALLONS PER MINUTE)	USGS ELECTRIC LOG NUMBER
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WELLS SAMPLED FOR CHEMICAL ANALYSES BUT NOT IN THE GROUND-WATER NETWORK

PRENTISS COUNTY

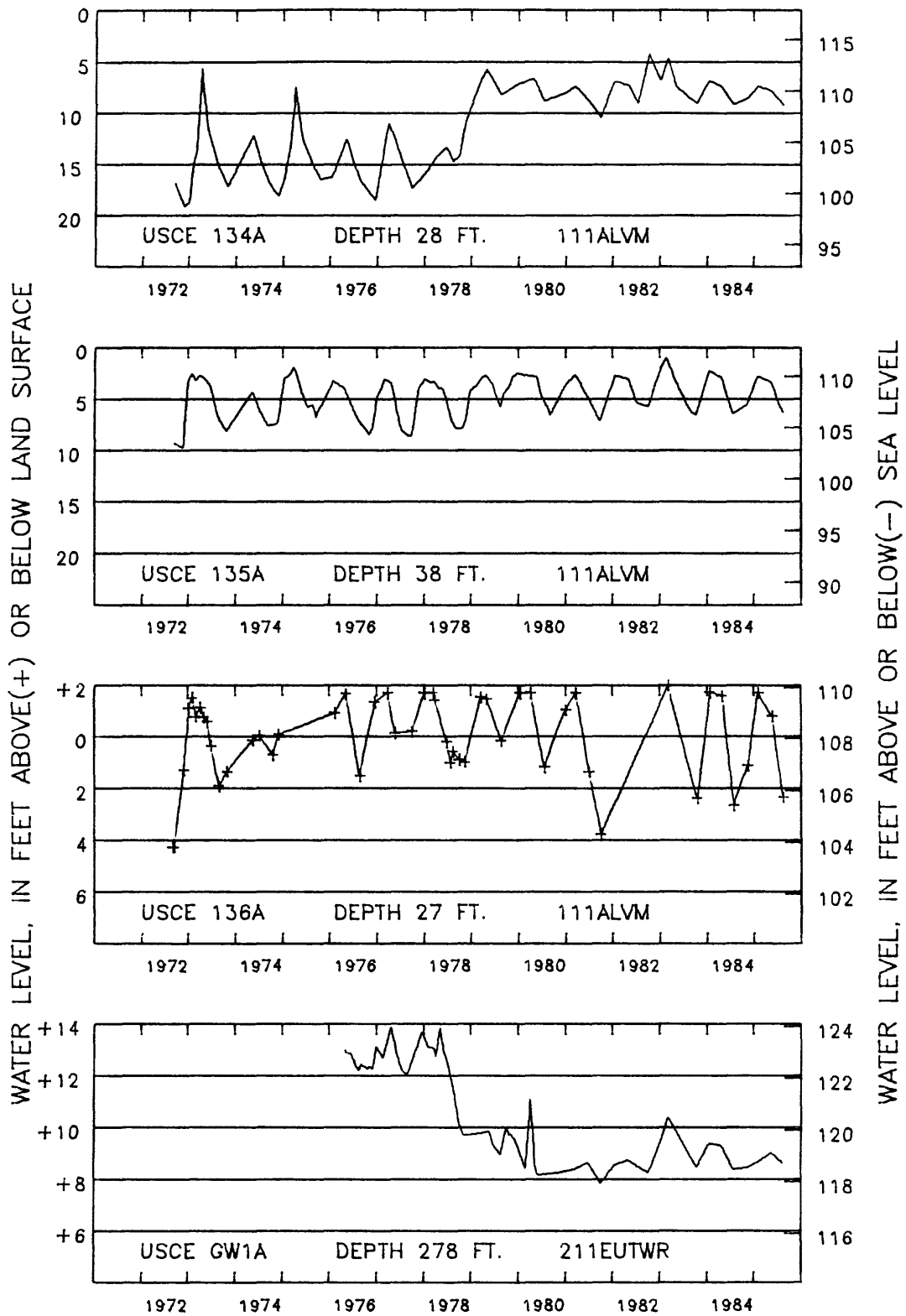
B034	THRASHER W A	211EUTW	SWS23T04SR07E	12/00/1966	520	514	8	200	026
B035	NEW CANDLER W A	211EUTW	NESES25T04SR07E	03/18/1968	540	460	8	125	030
F011	BOONEVILLE	211EUTWL	NEWS09T05SR07E	00/00/1956	495	486	12	500	--

TISHOMINGO COUNTY

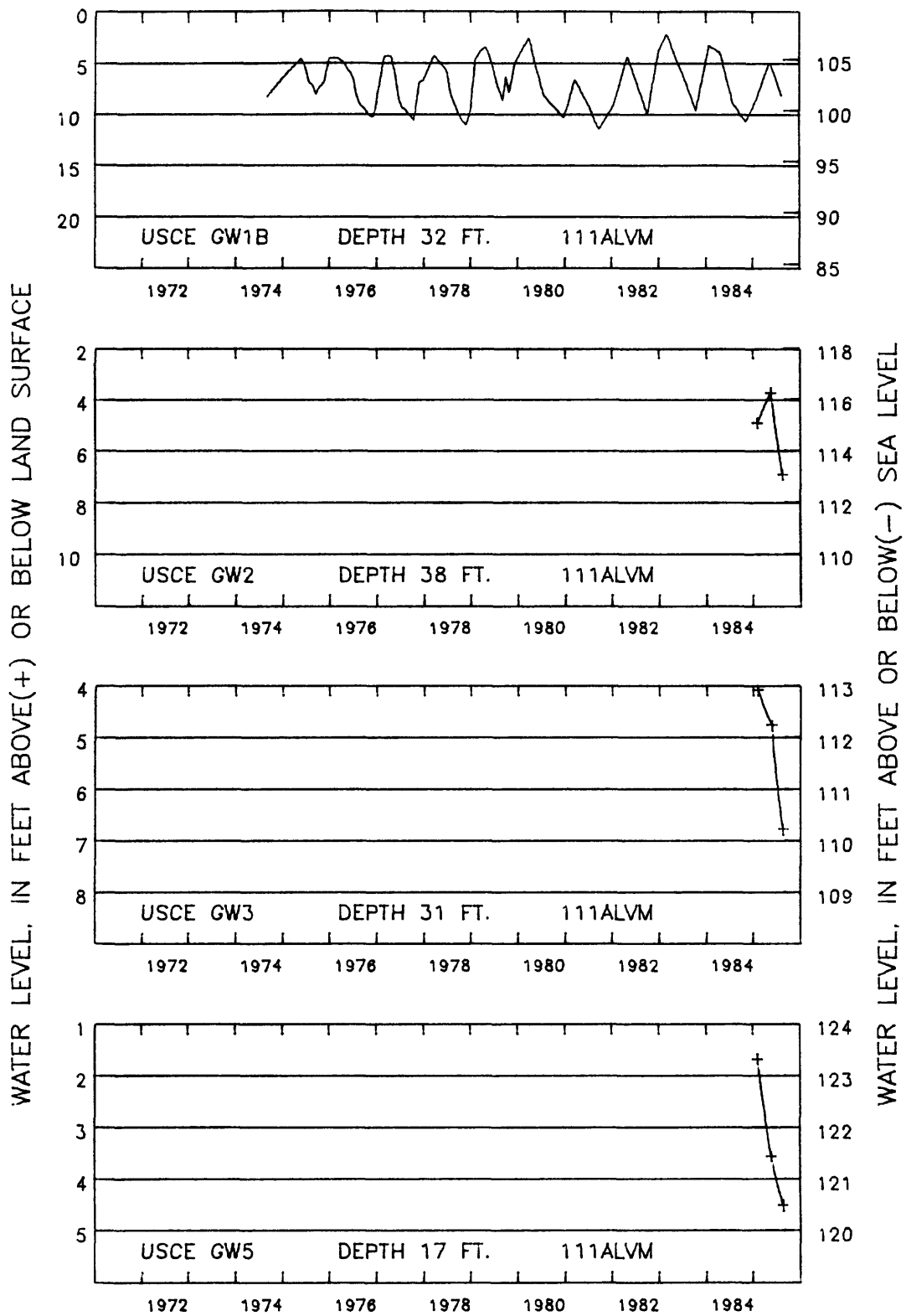
D052	BURNSVILLE	300PLZC	SESW02T03SR09E	07/07/1977	520.00	280	6	350	132
E039	MIDWAY - PLEASANT HILL	211GORD	SESW25T03SR10E	08/01/1984	680.00	400	10	495	141

APPENDIX A  
GROUND-WATER DATA

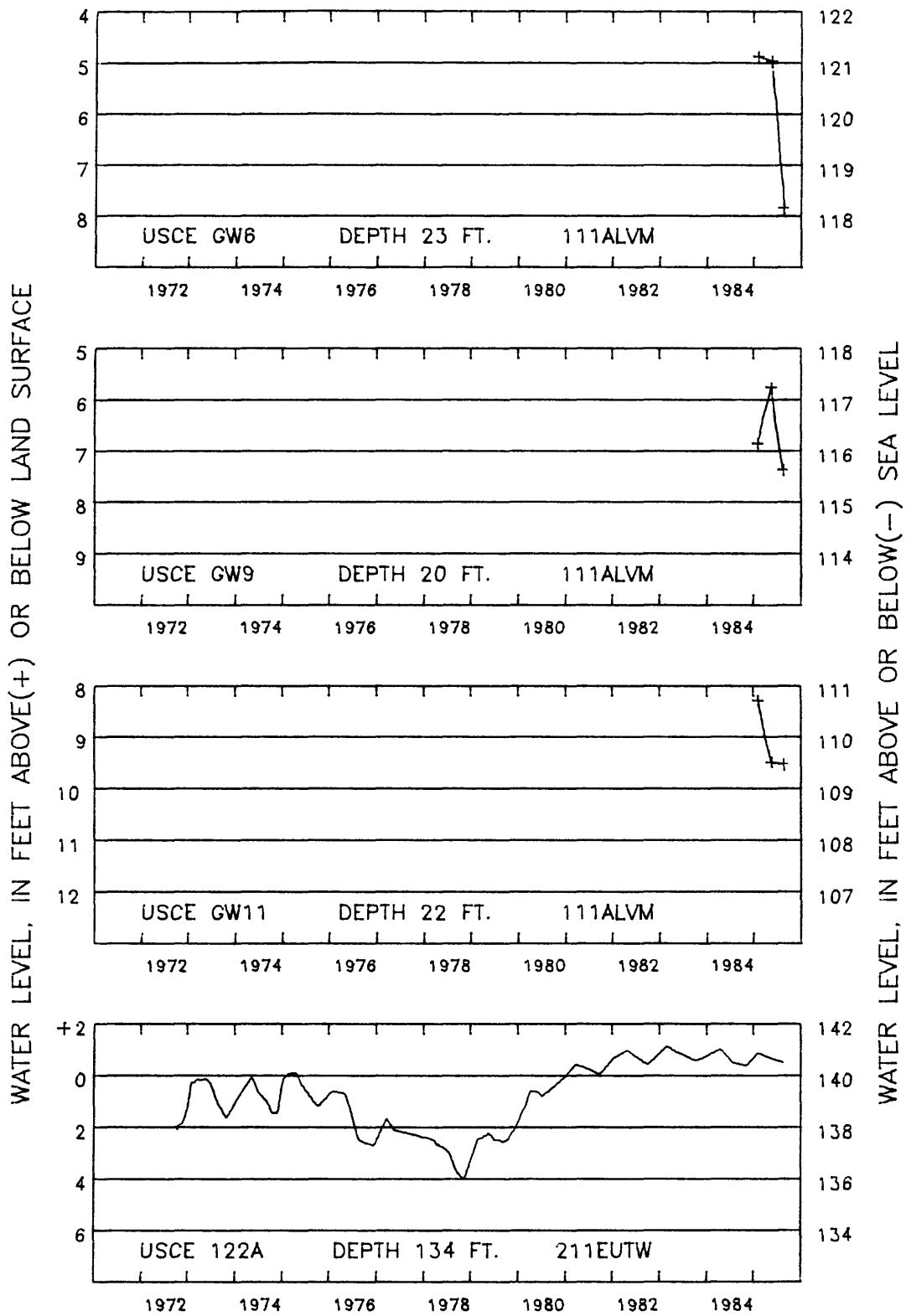
HYDROGRAPHS



HYDROGRAPHS OF TENNESSEE-TOMBIGBEE OBSERVATION WELLS

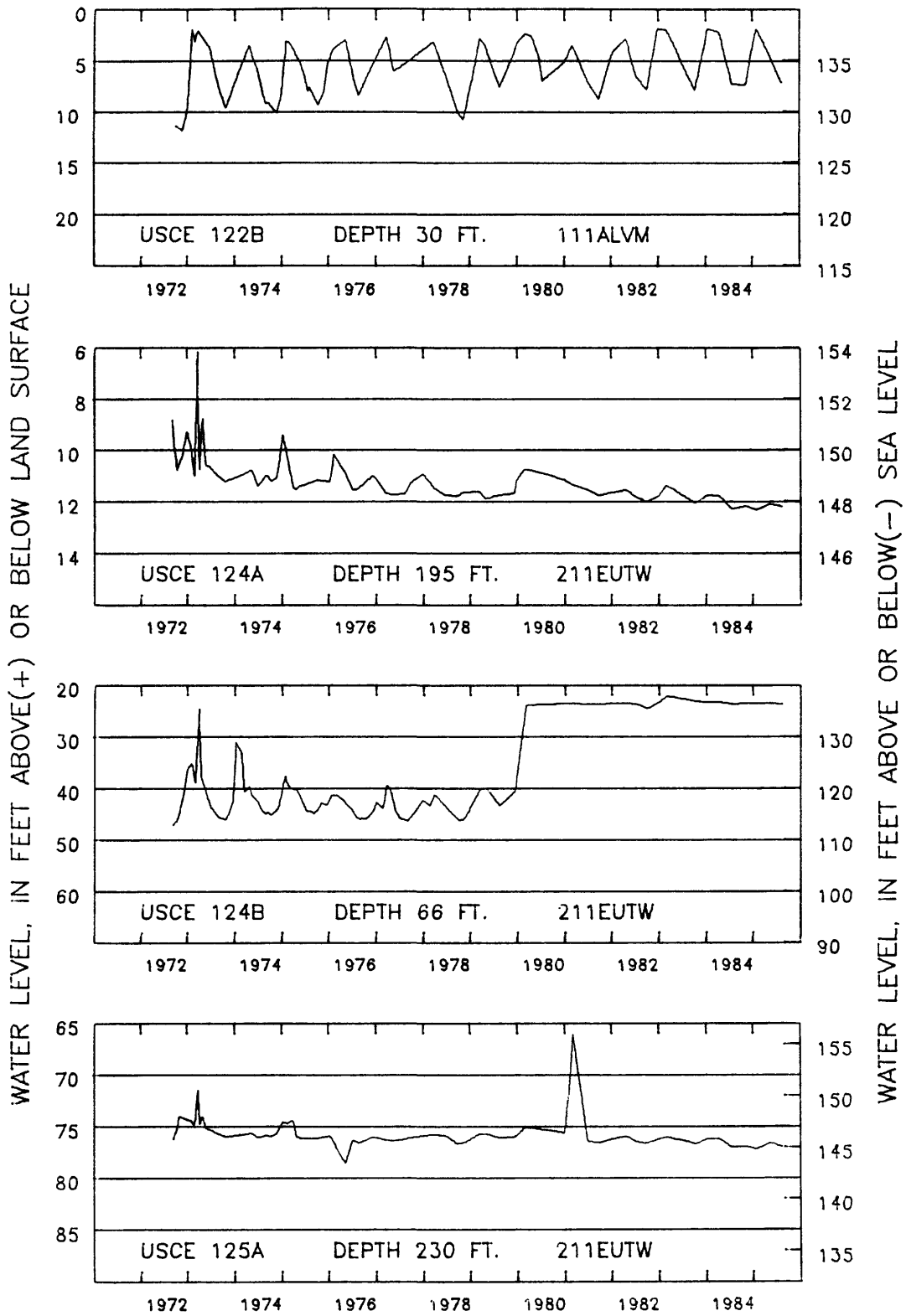


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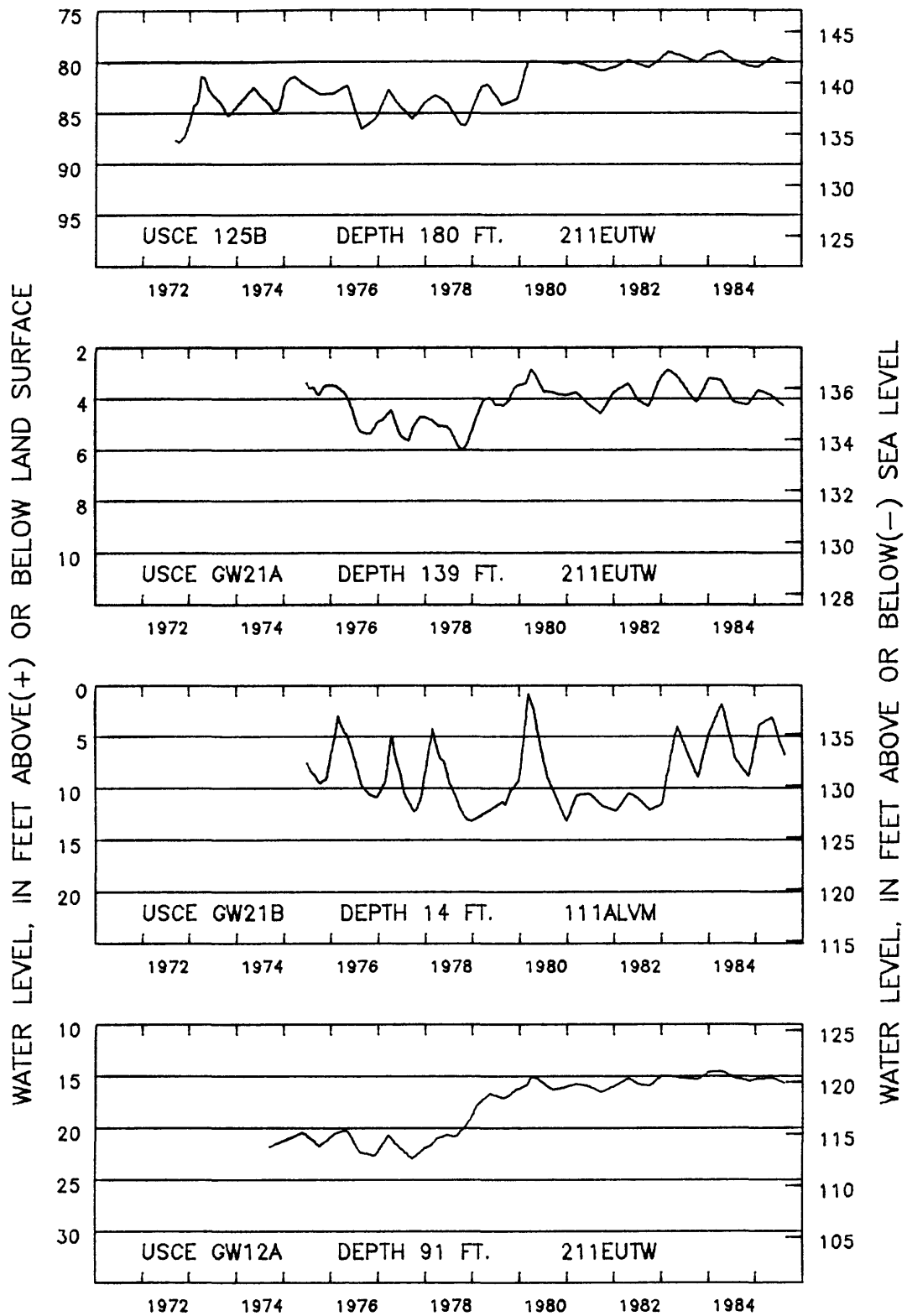


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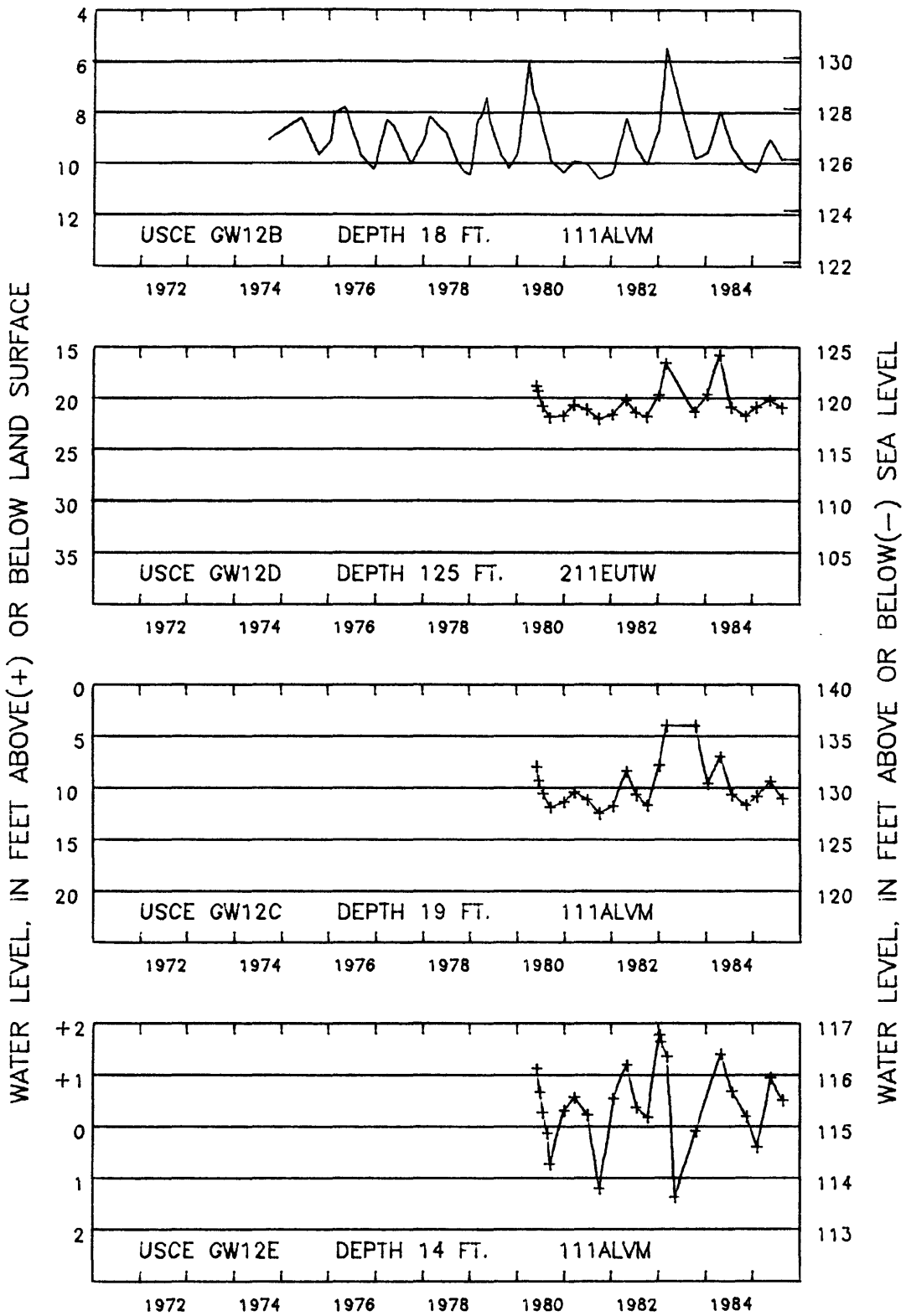




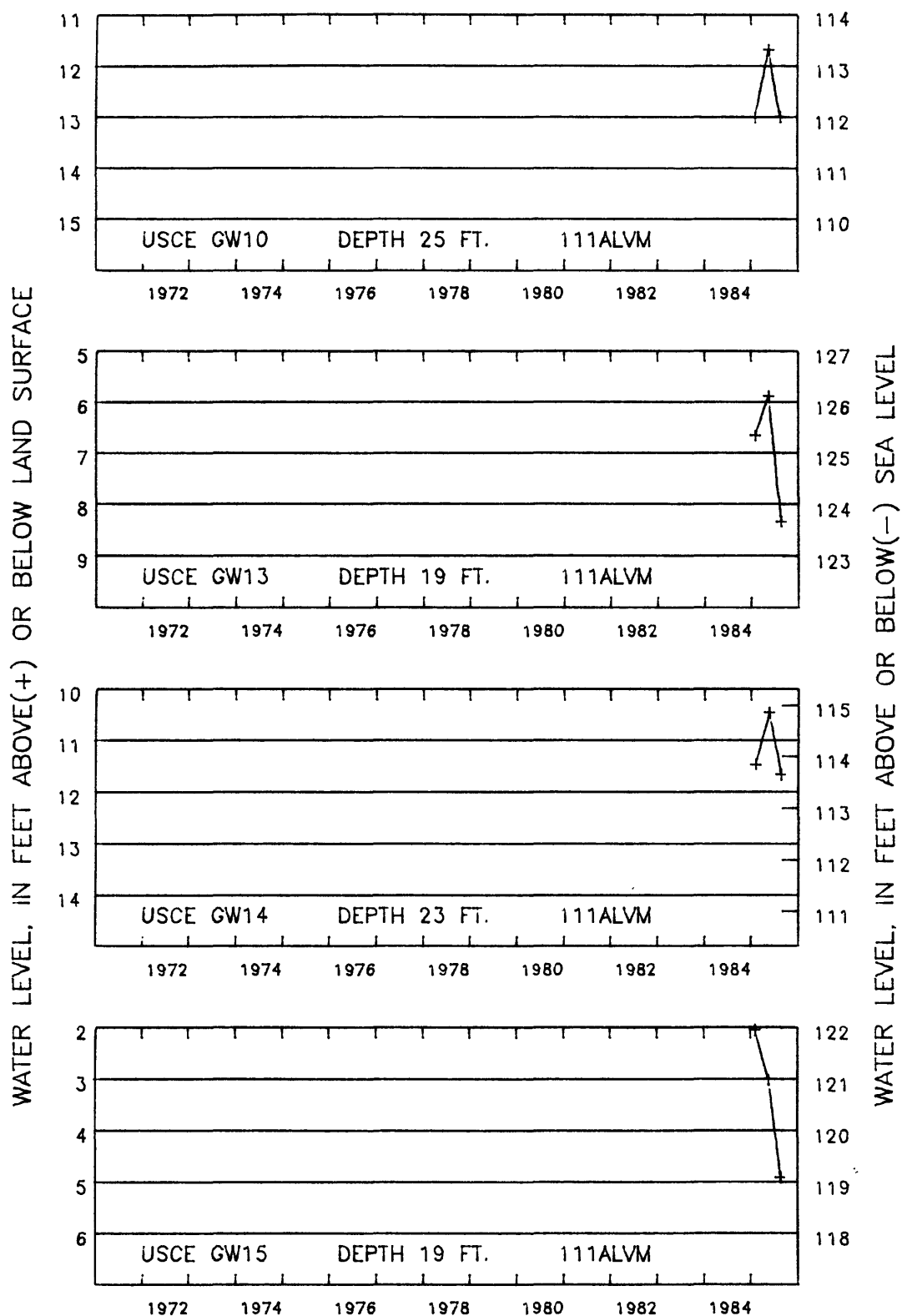
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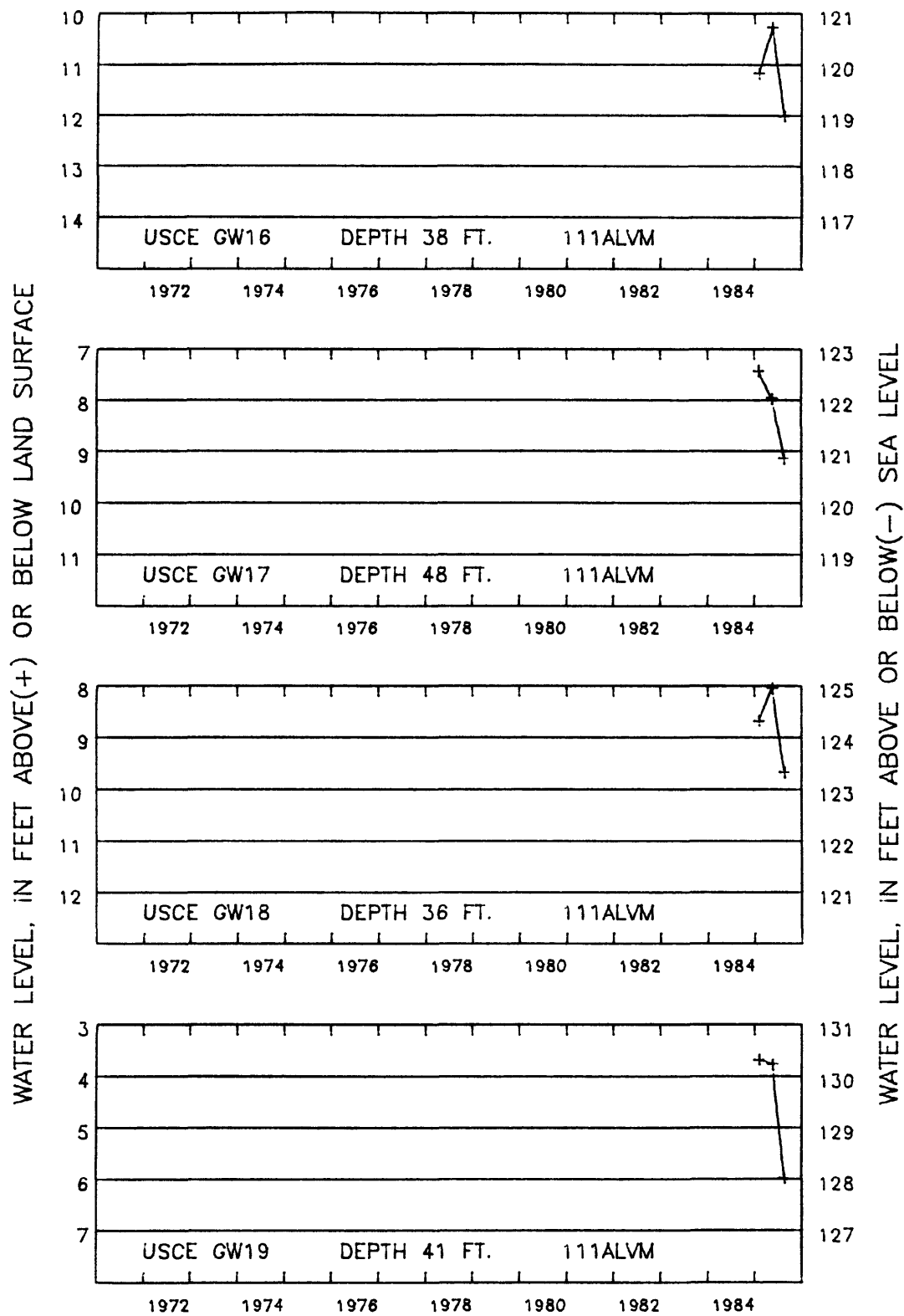
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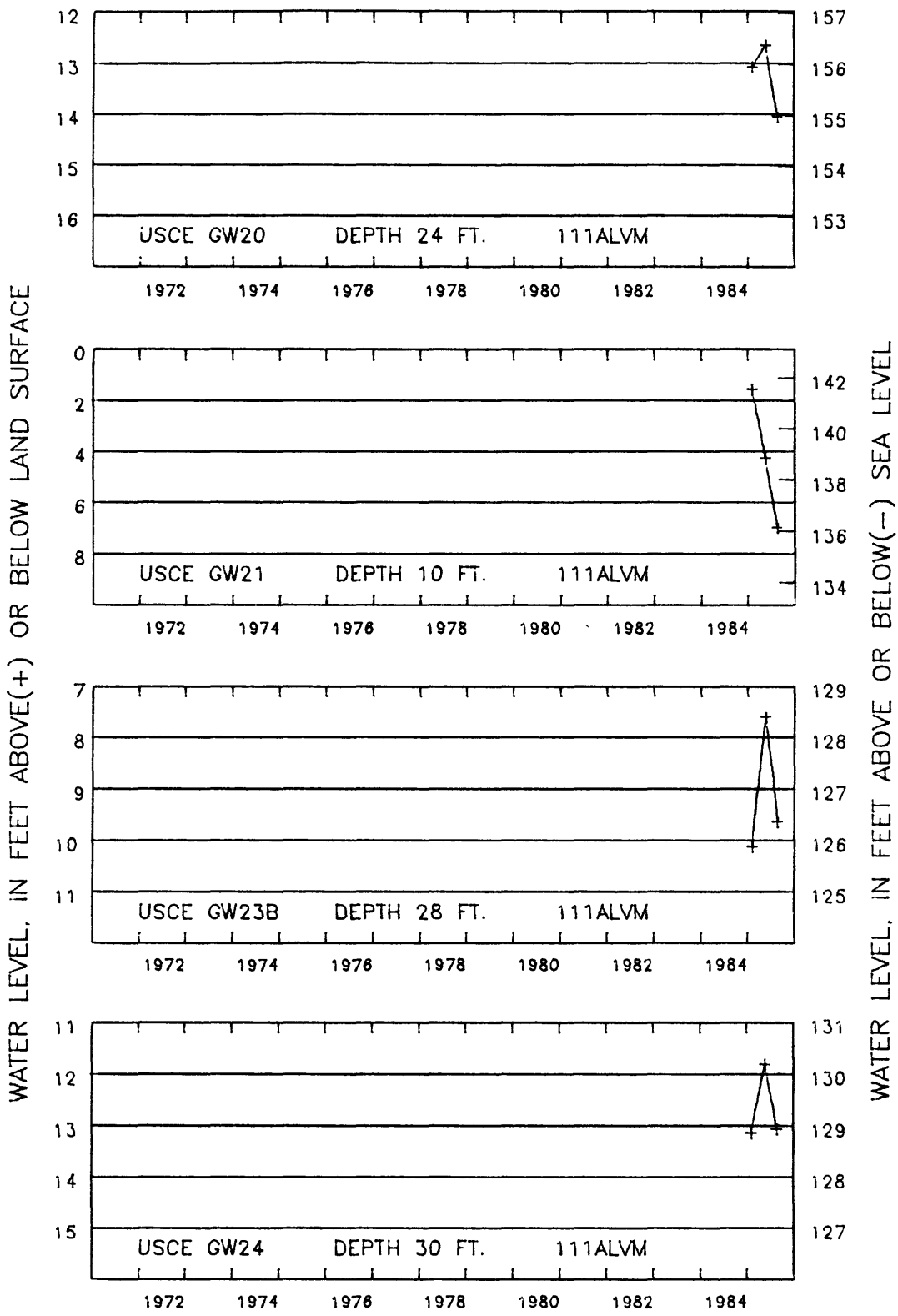
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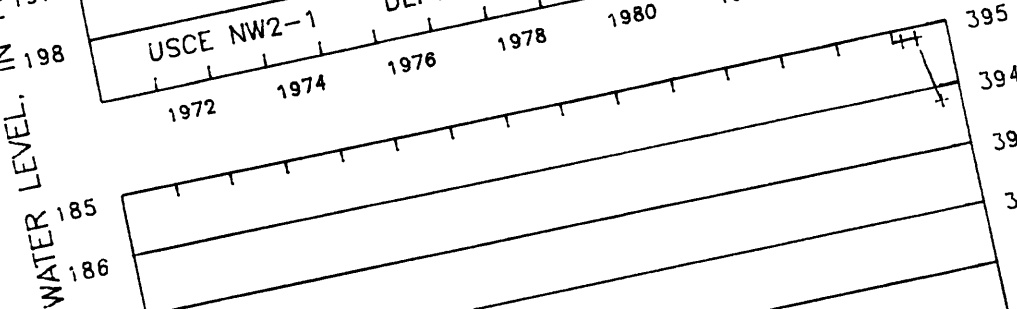
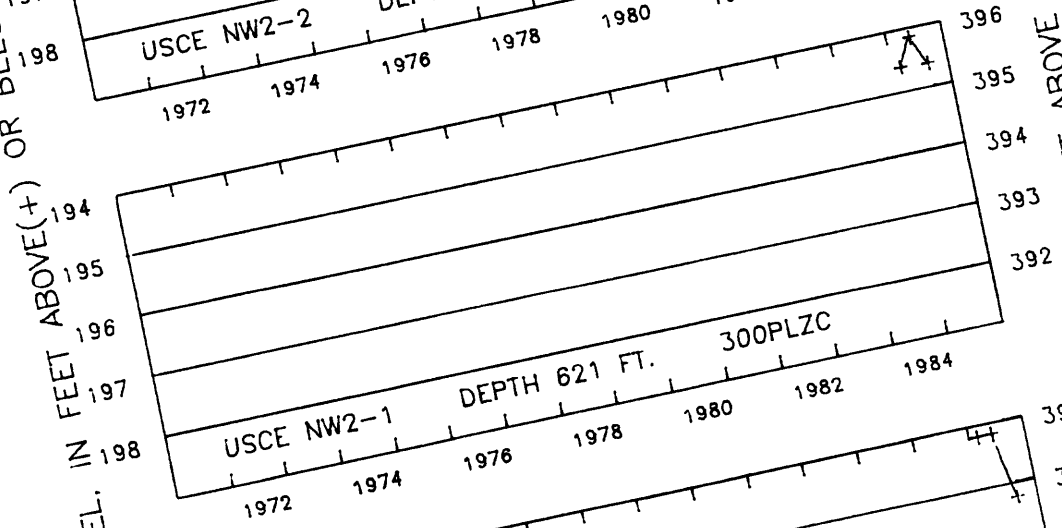
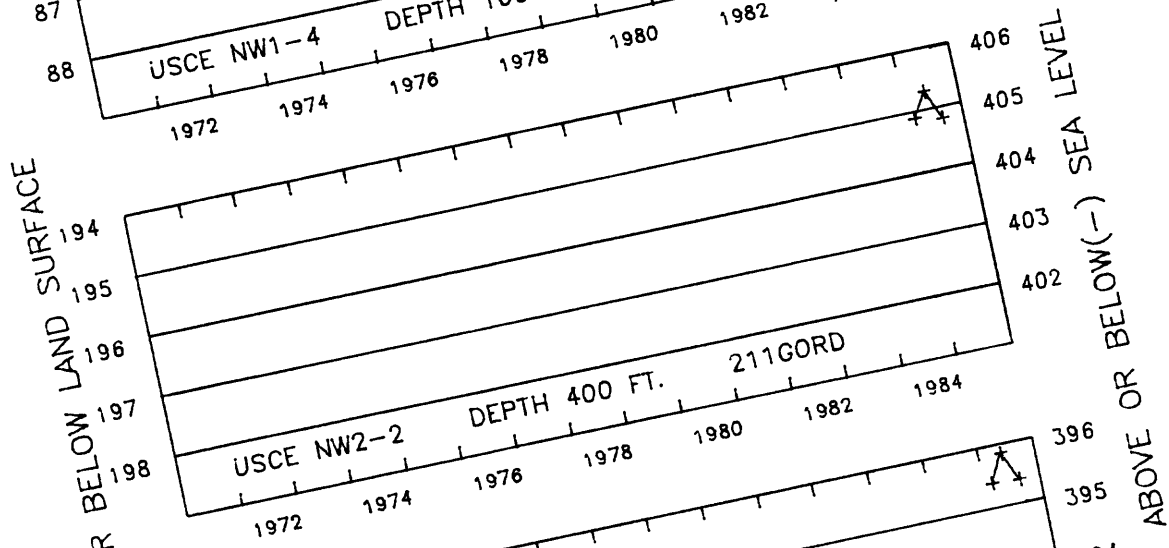
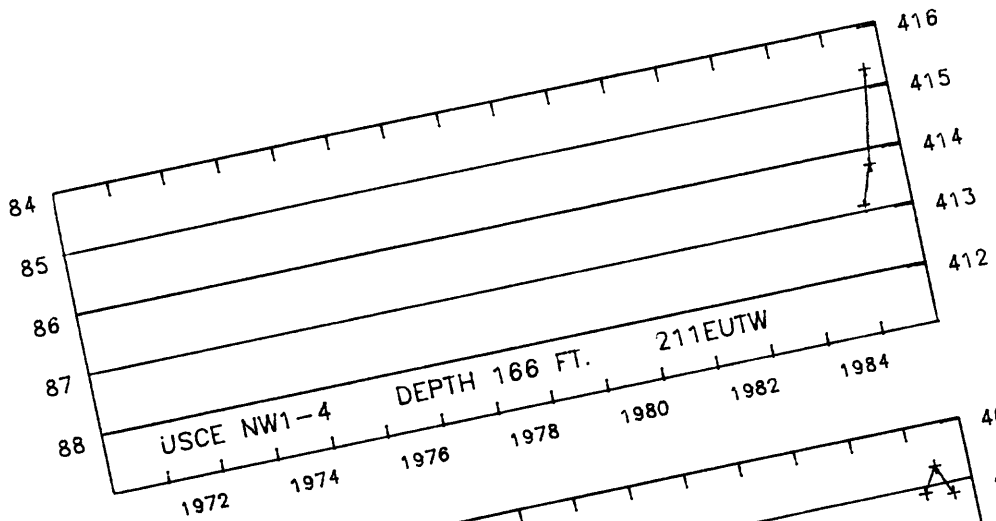
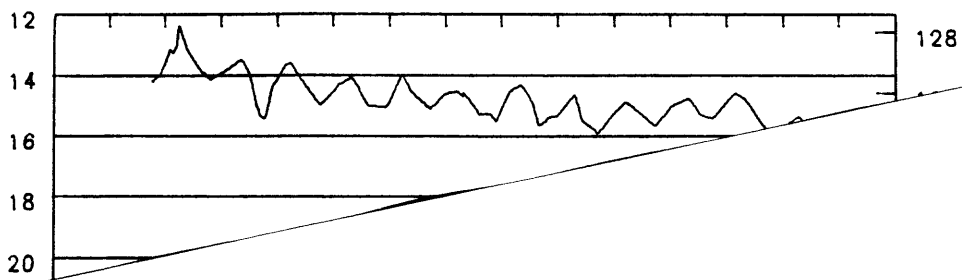
HYDROGRAPHS OF TENNESSEE-TOMBIGBEE OBSERVATION WELLS



HYDROGRAPHS OF TENNESSEE-TOMBIGBEE OBSERVATION WELLS

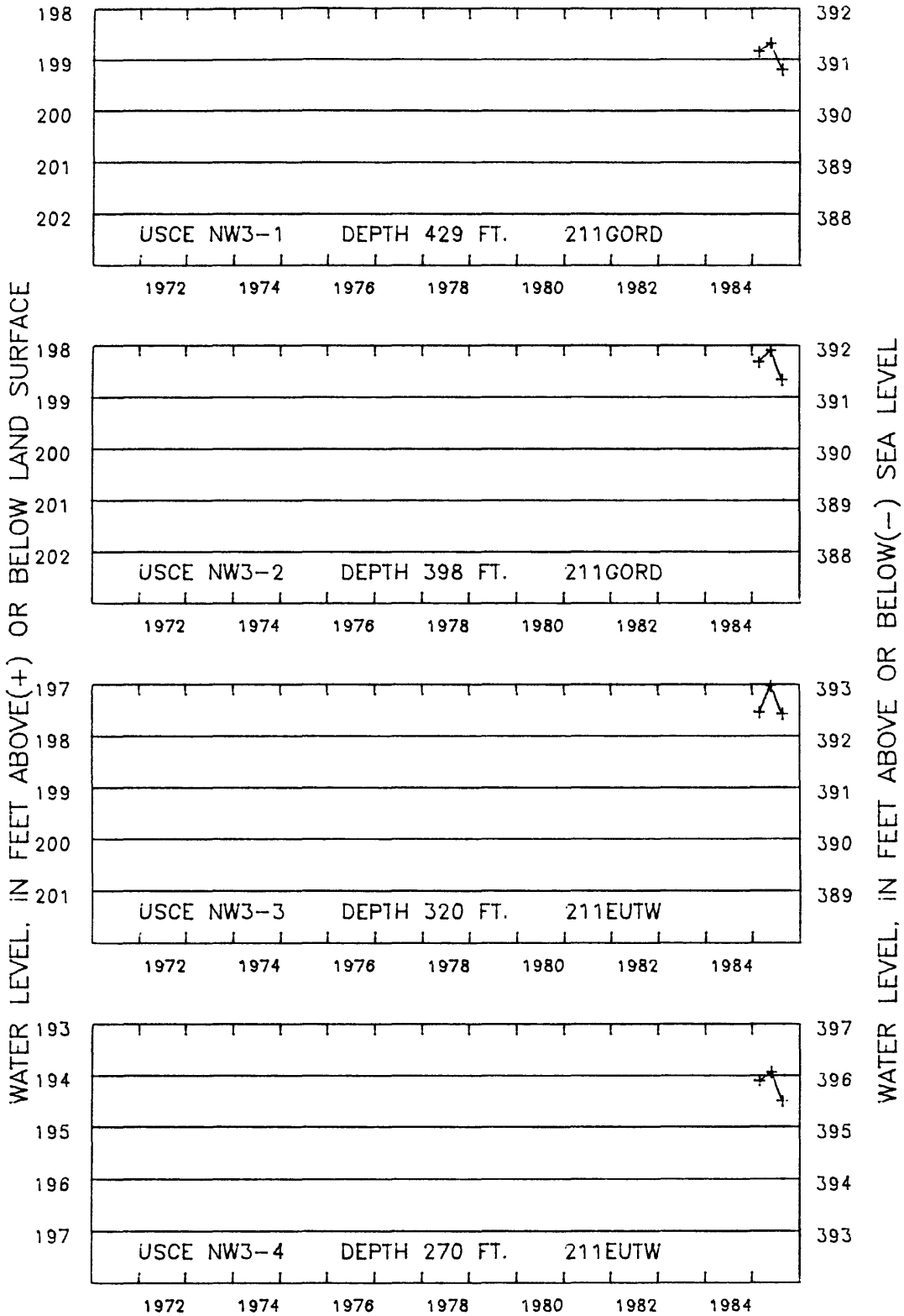


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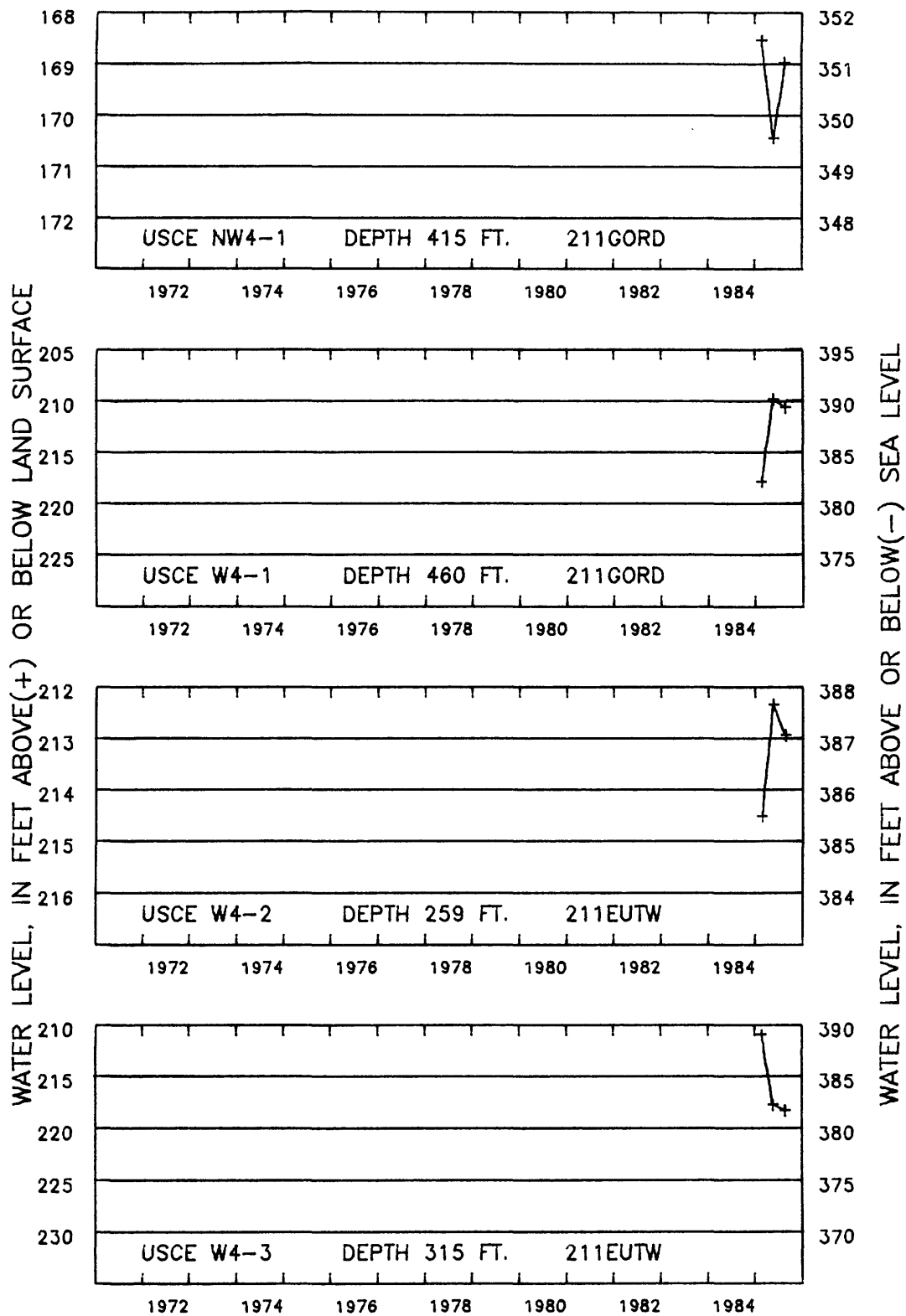
WATER LEVEL IN FEET ABOVE (+) OR BELOW (-) LAND SURFACE

SEA LEVEL IN FEET ABOVE OR BELOW (-) SEA LEVEL

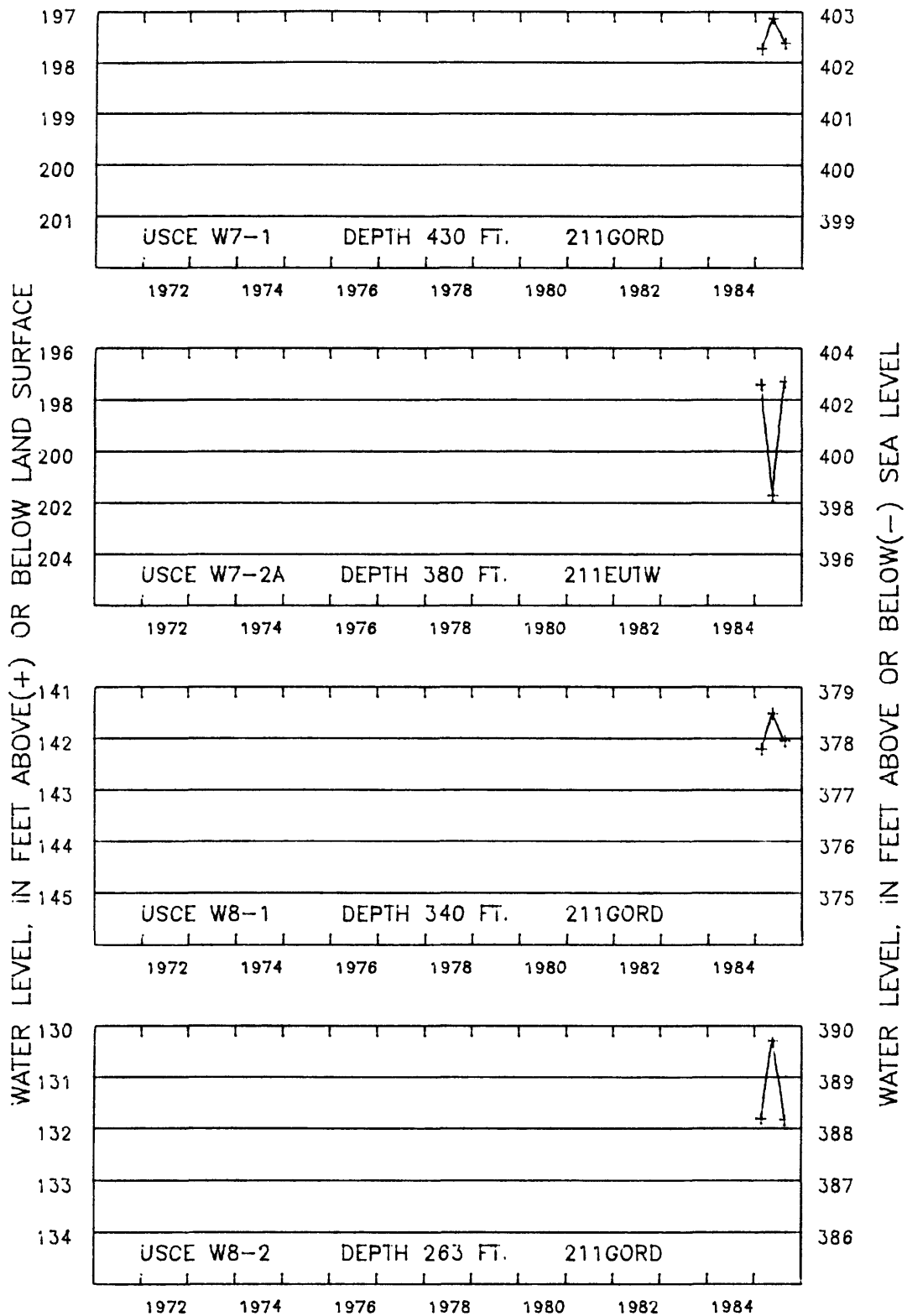


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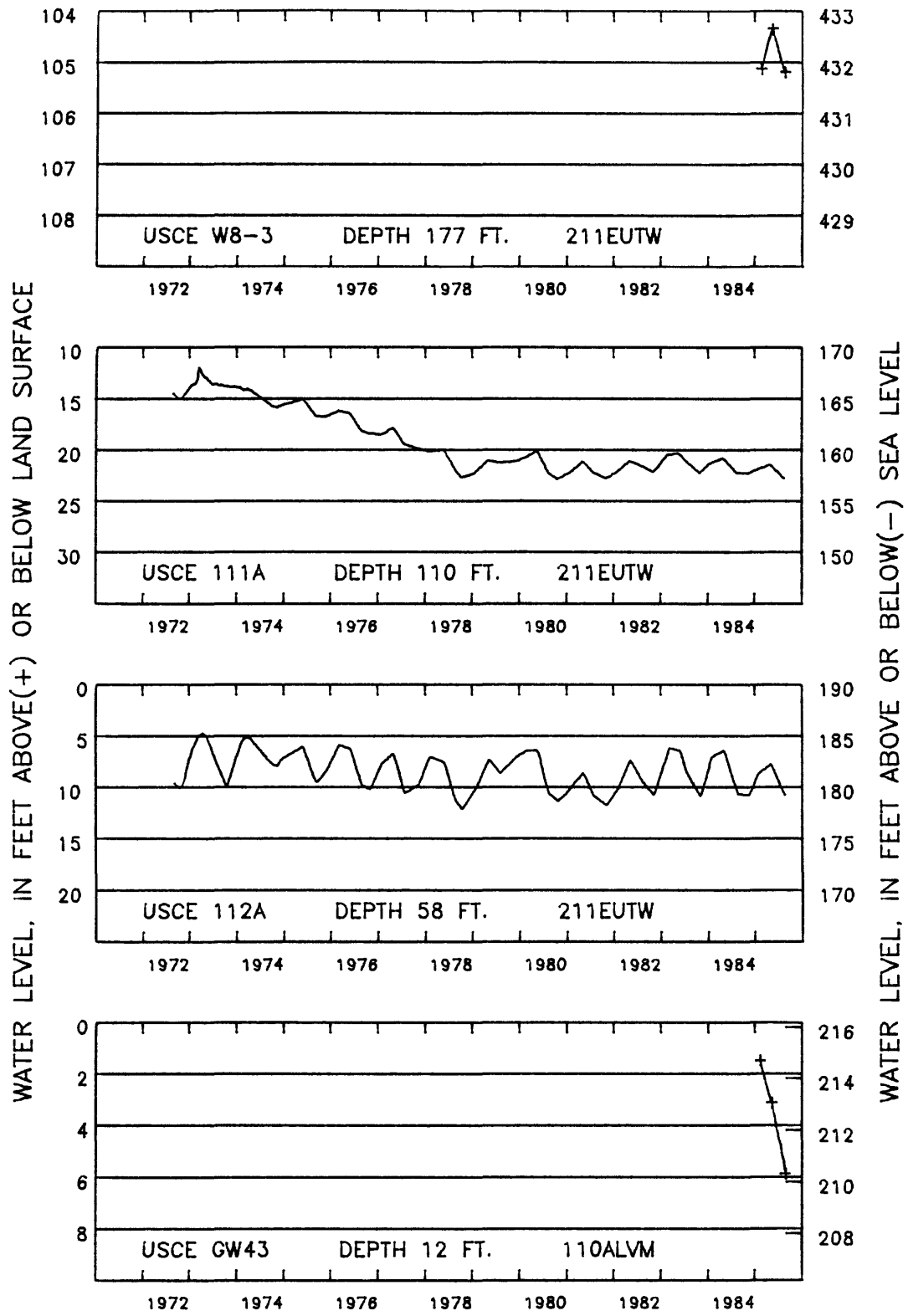




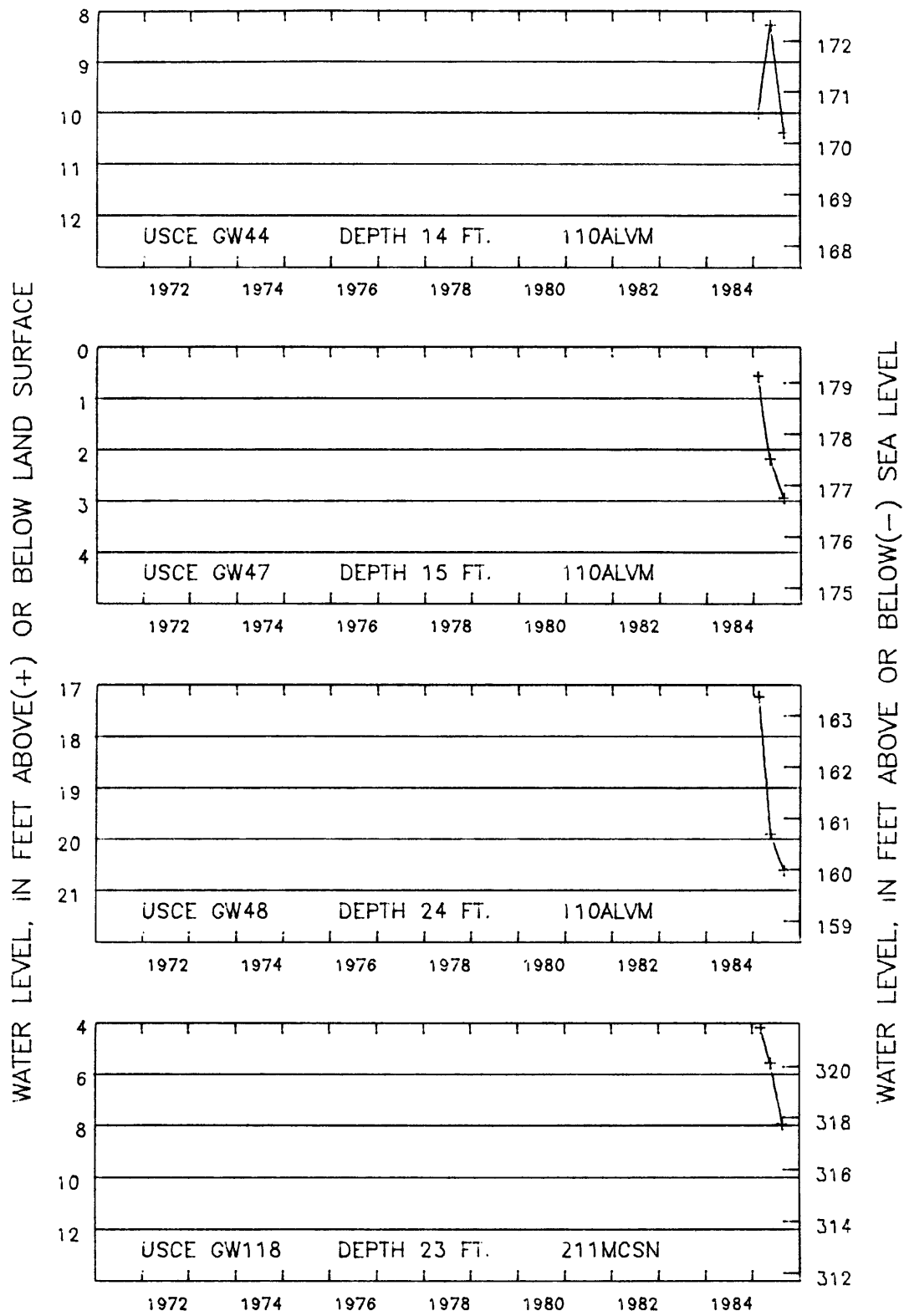
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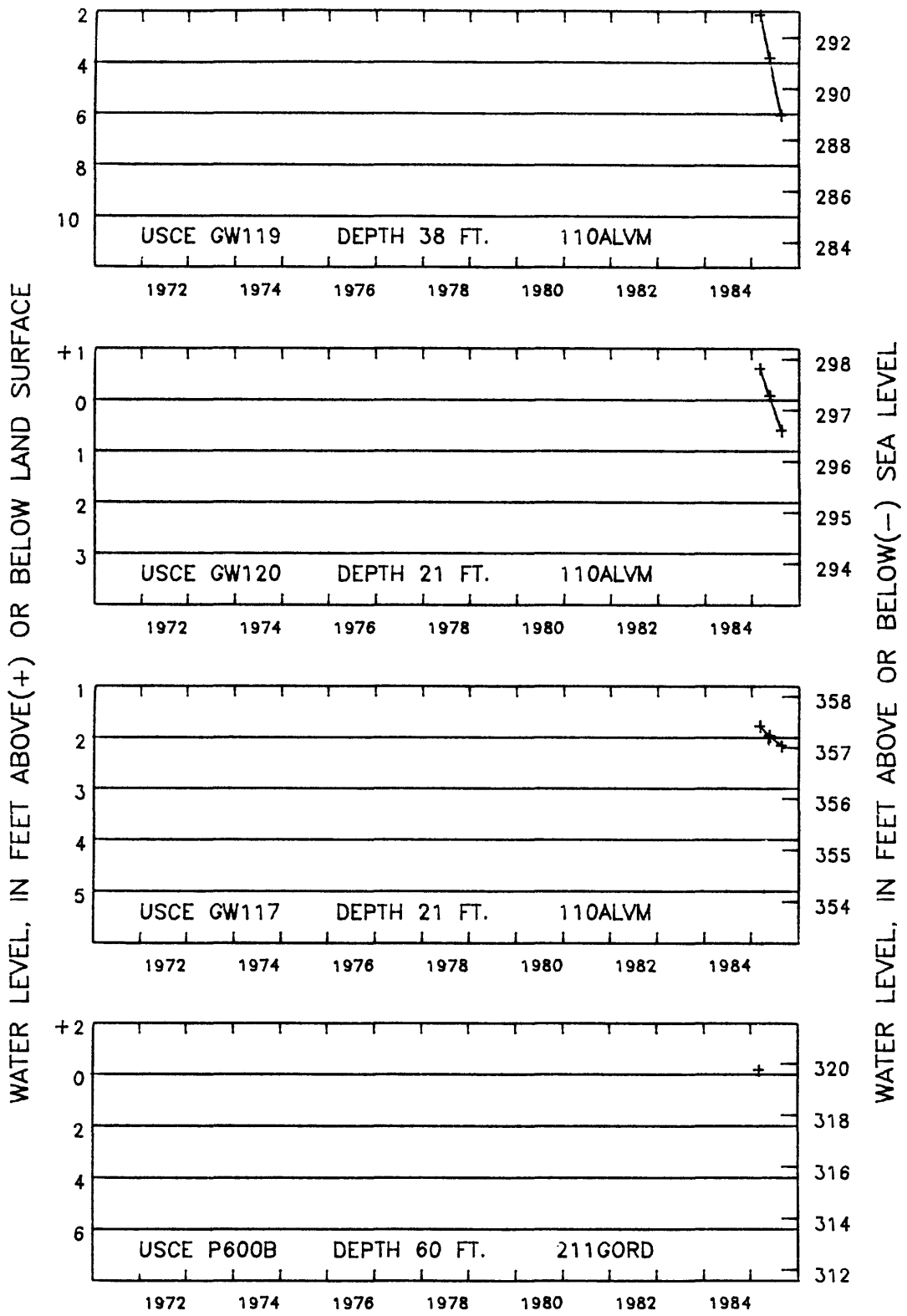
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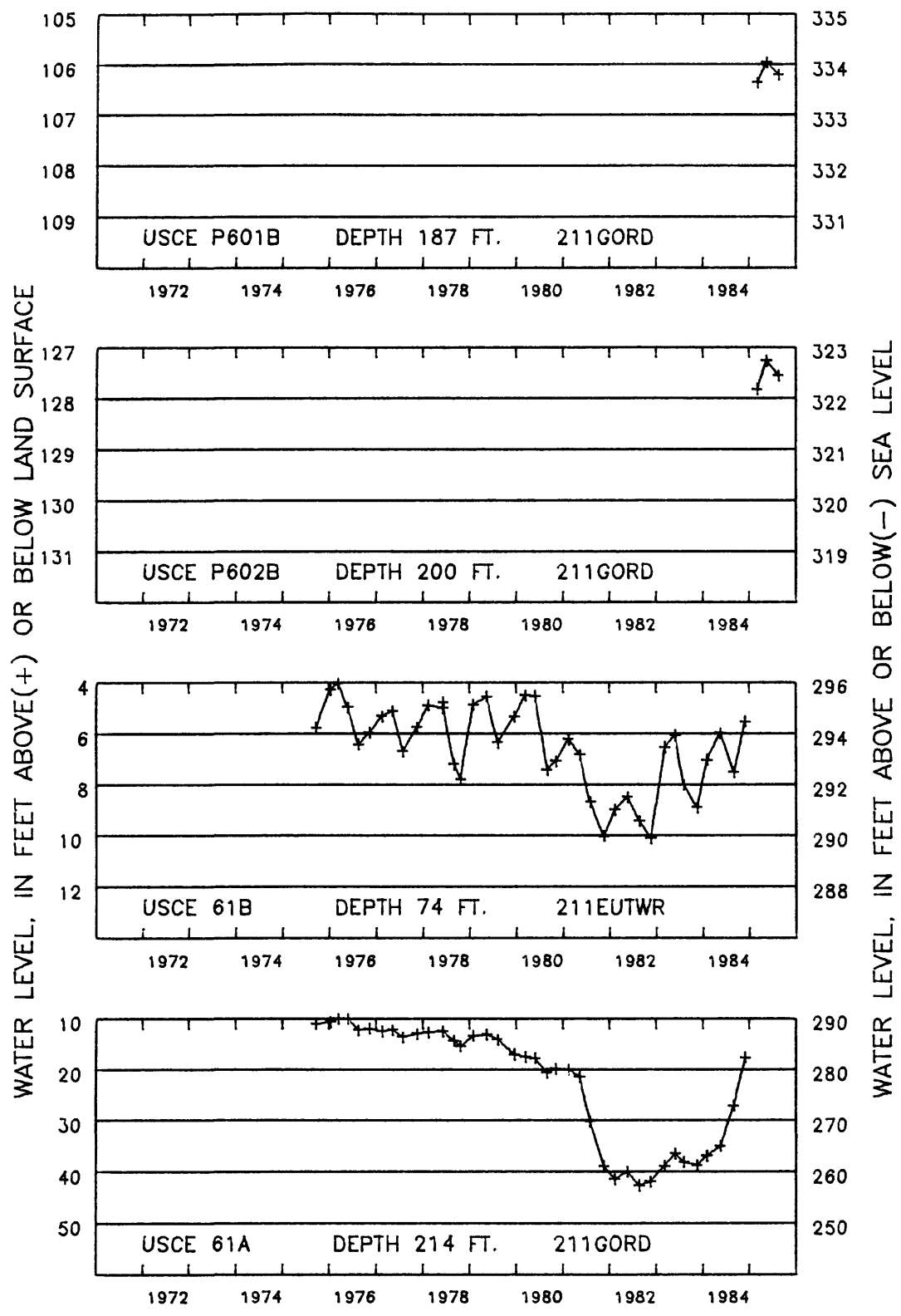
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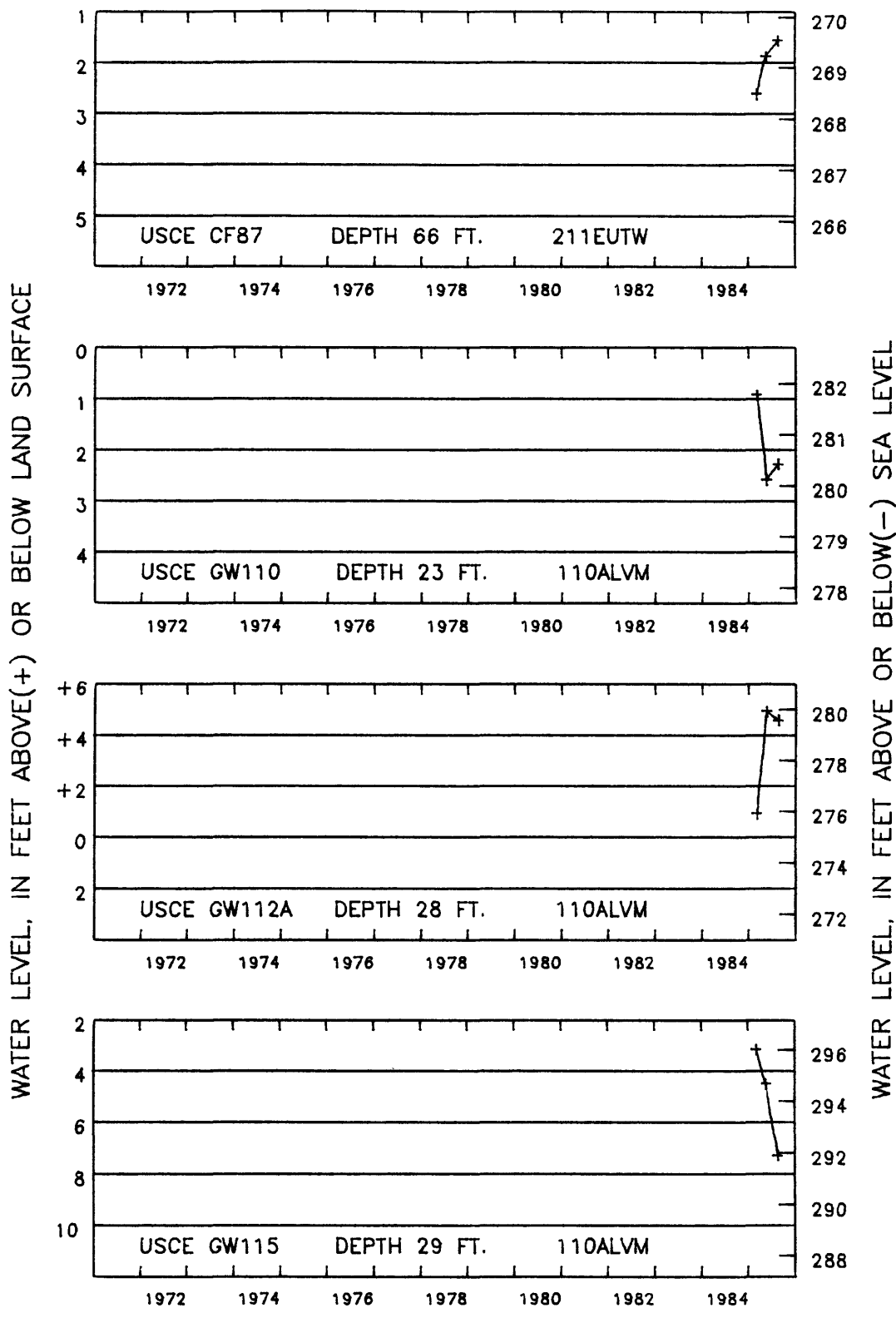
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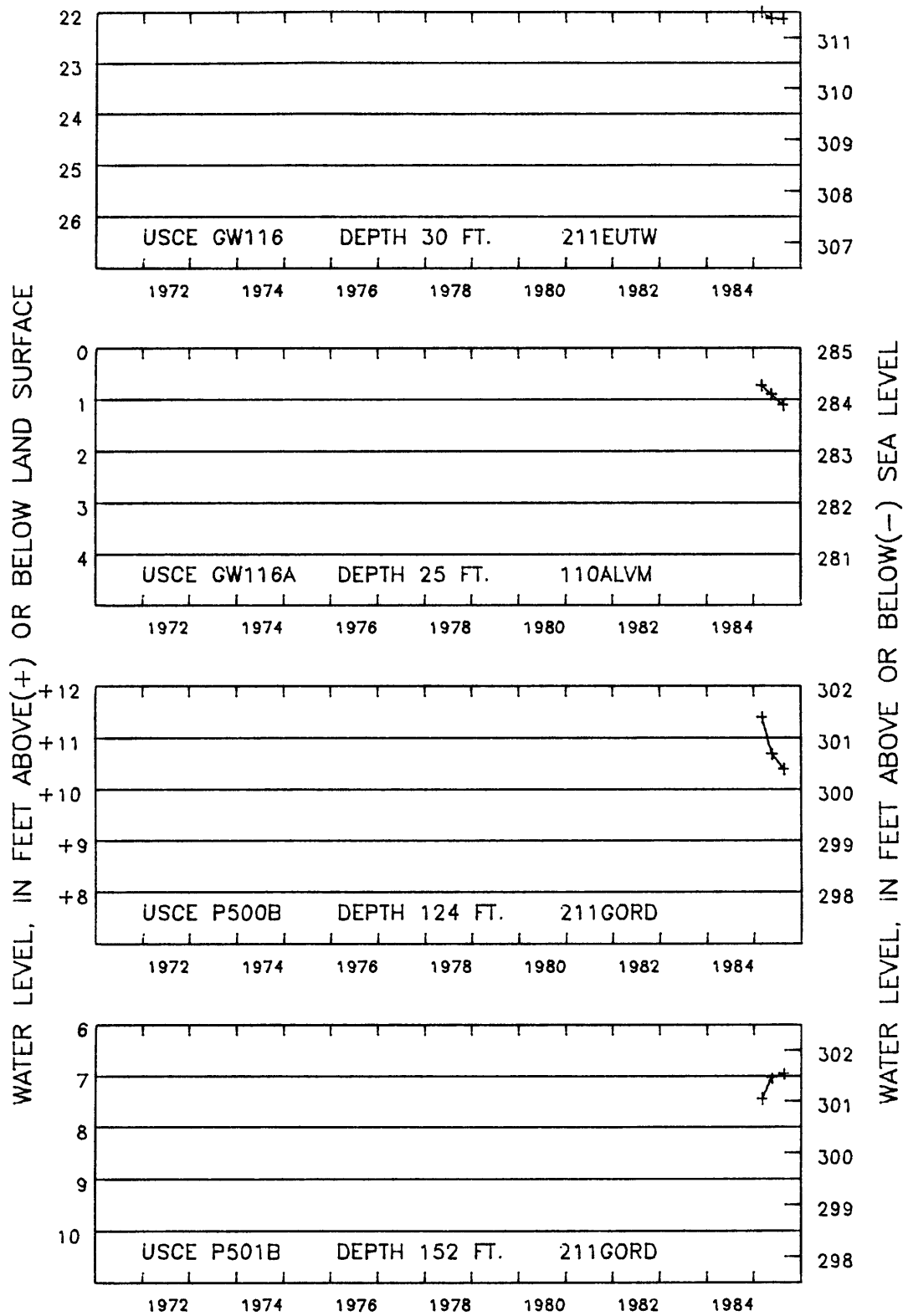
HYDROGRAPHS OF TENNESSEE-TOMBIGBEE OBSERVATION WELLS



HYDROGRAPHS OF TENNESSEE-TOMBIGBEE OBSERVATION WELLS

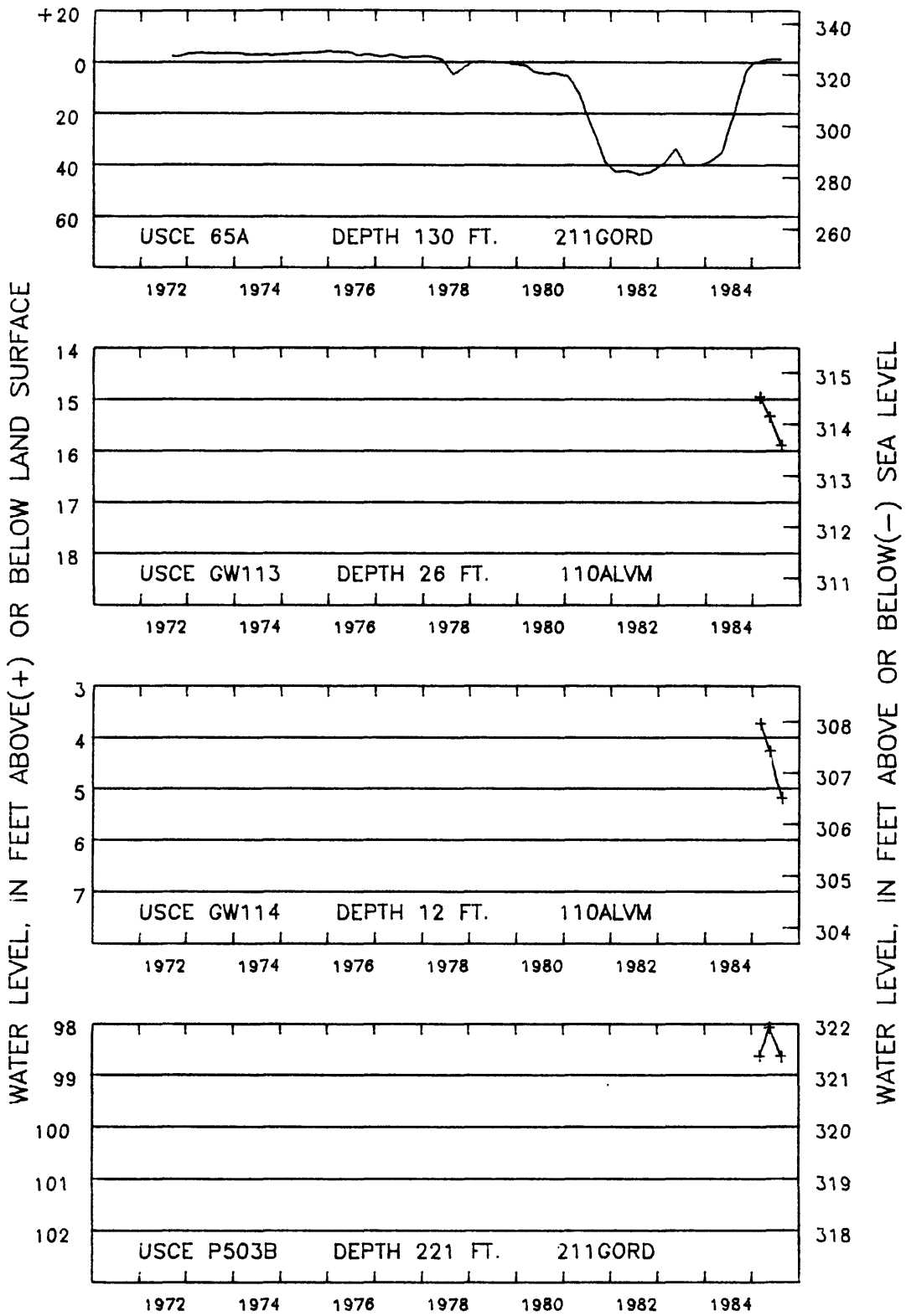


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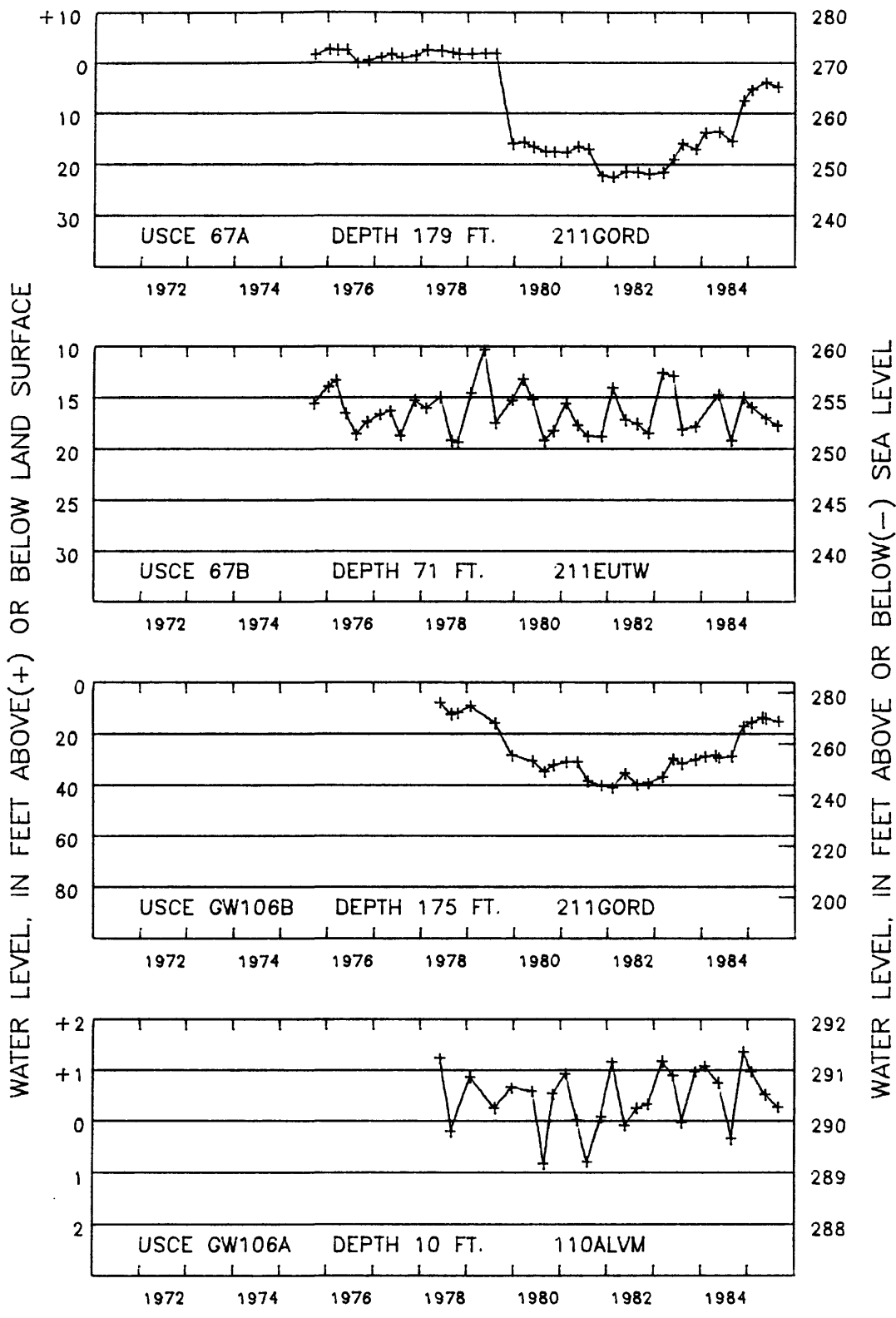


HYDROGRAPHS OF TENNESSEE-TOMBIGBEE OBSERVATION WELLS

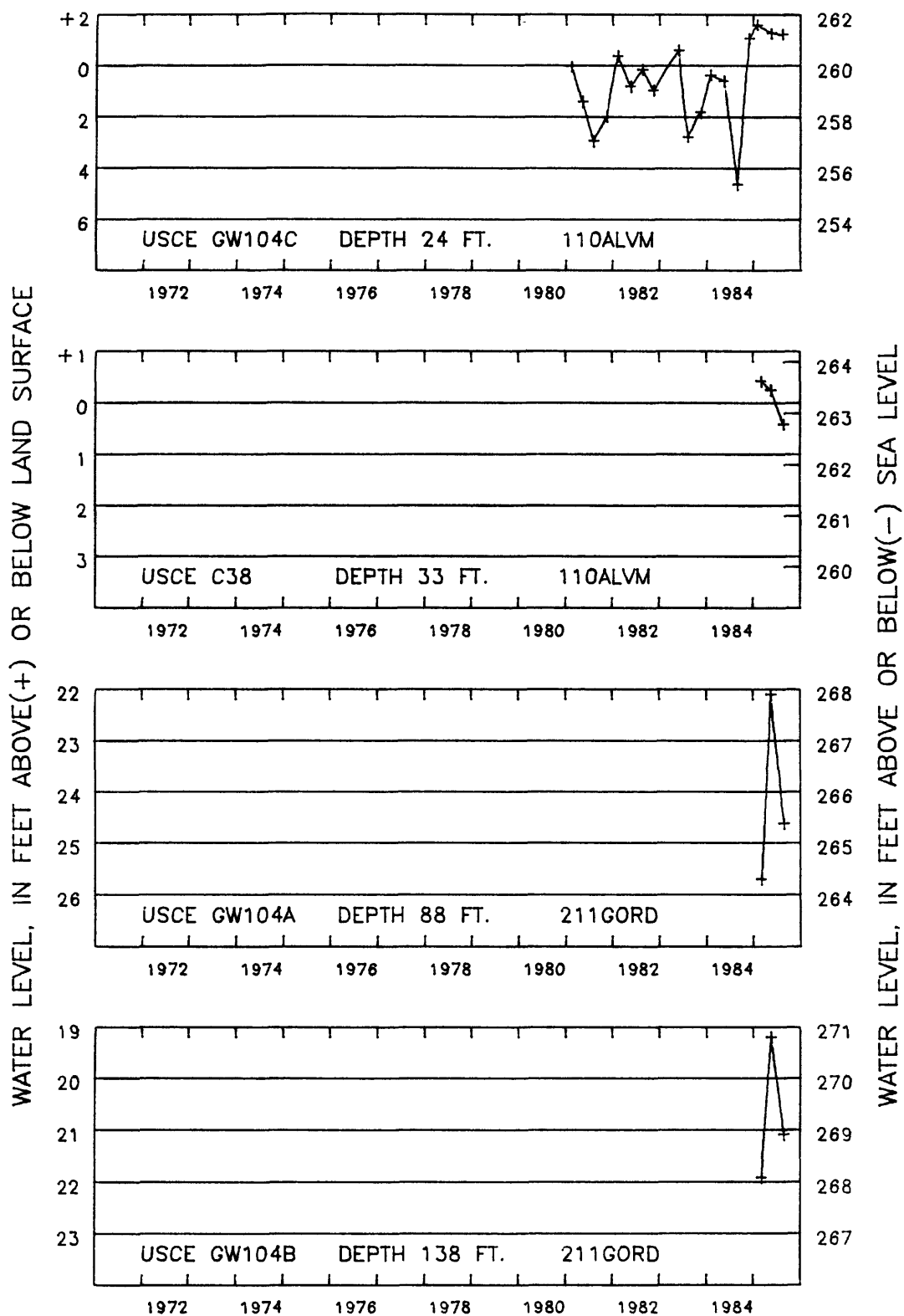




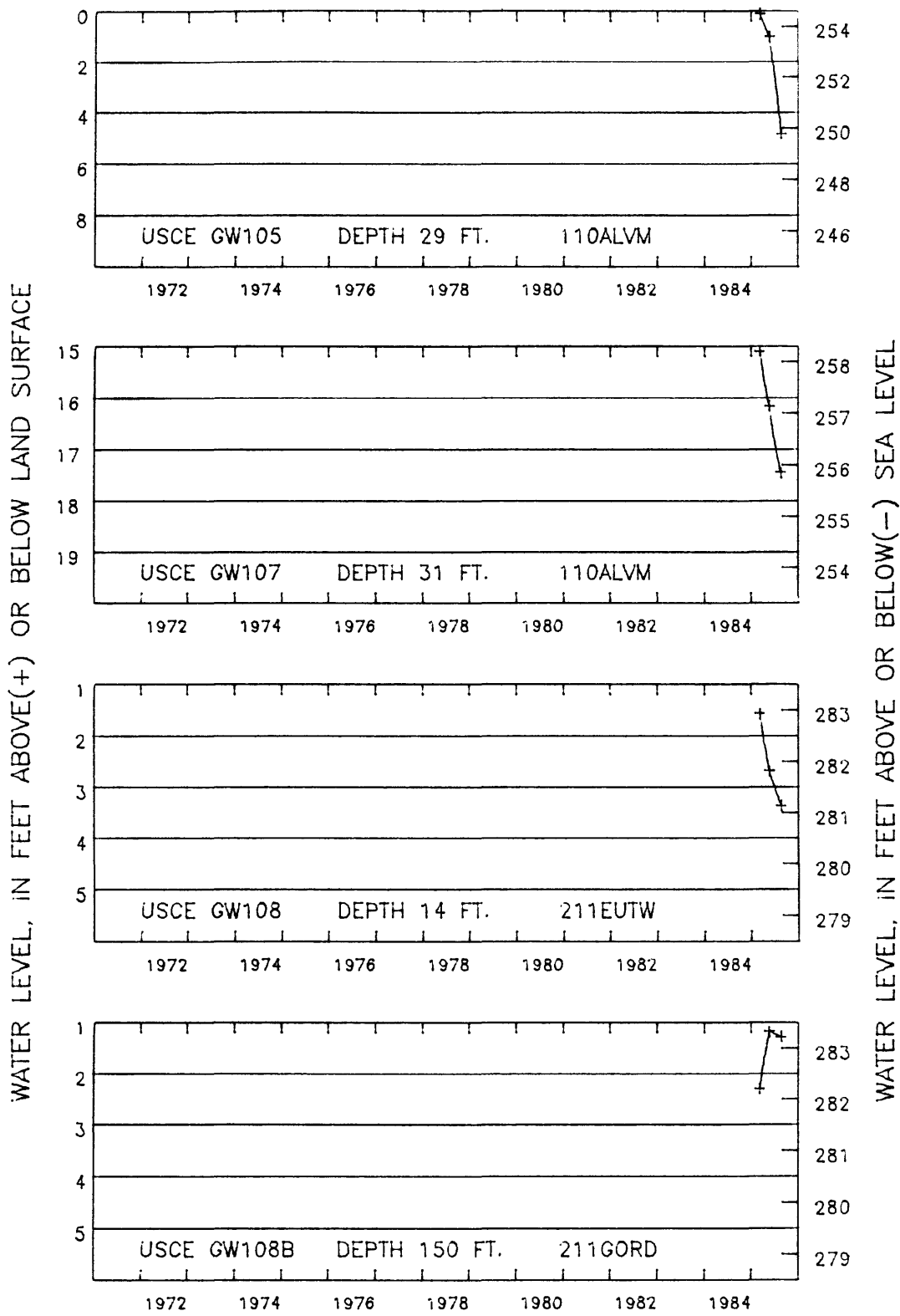
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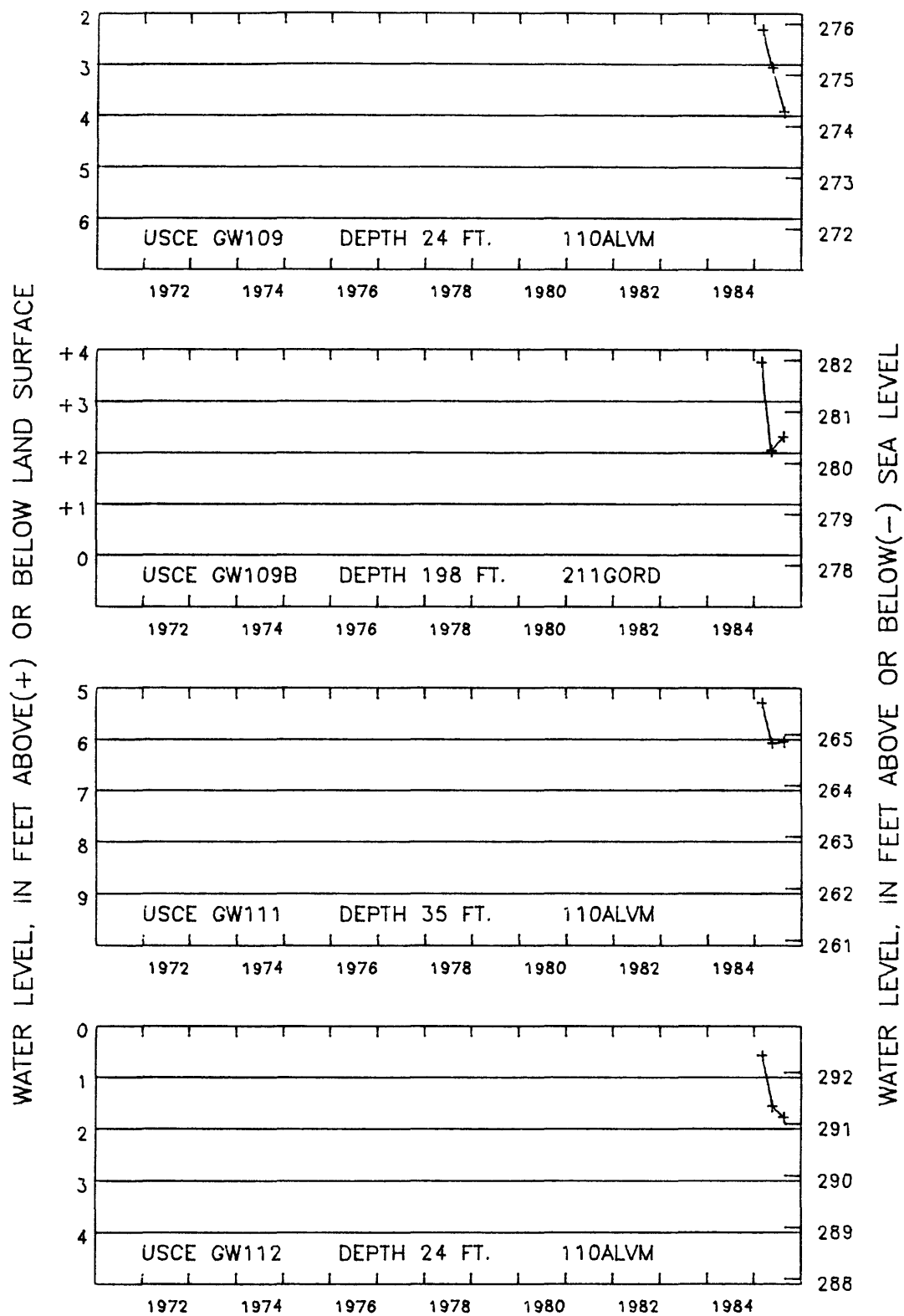
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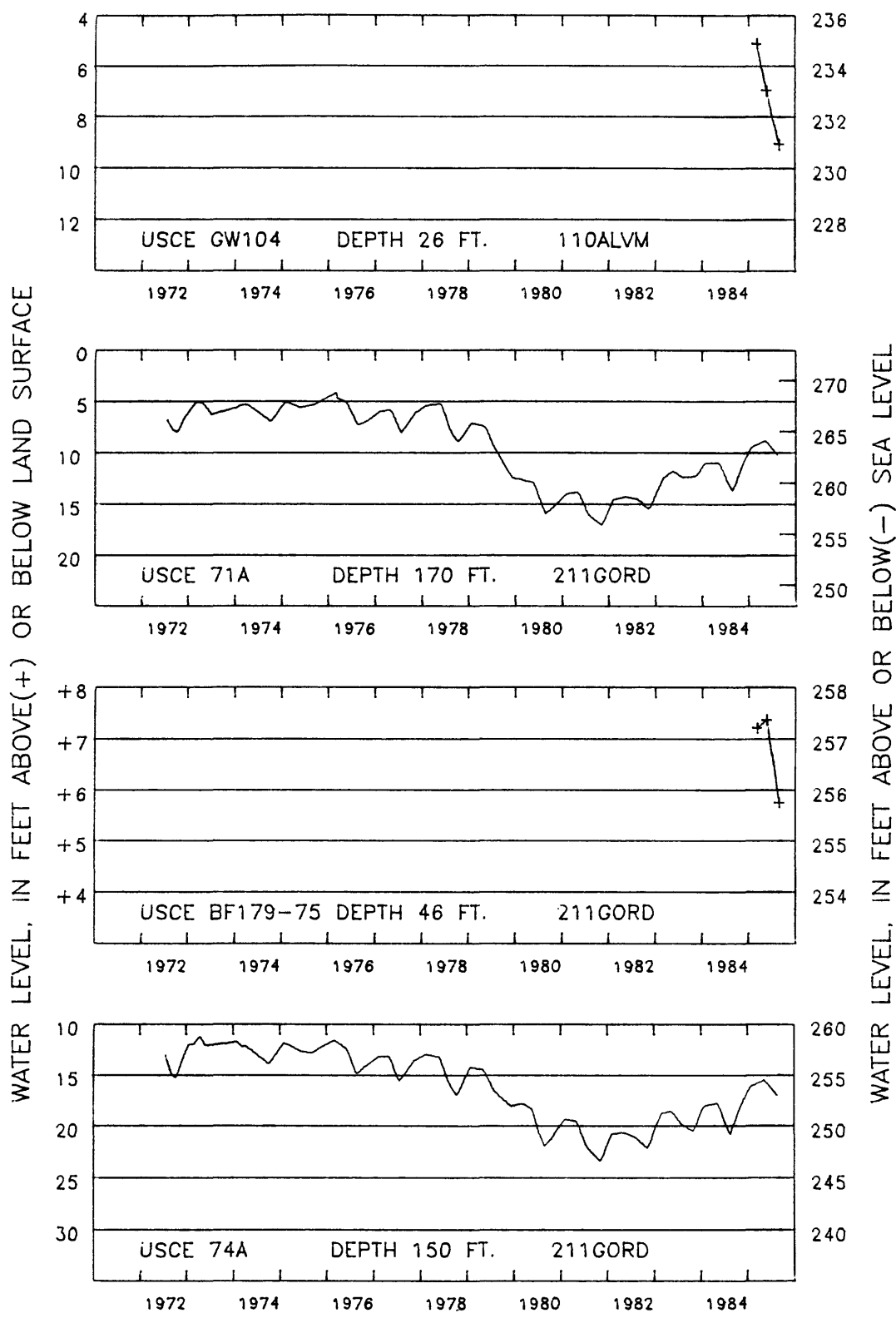
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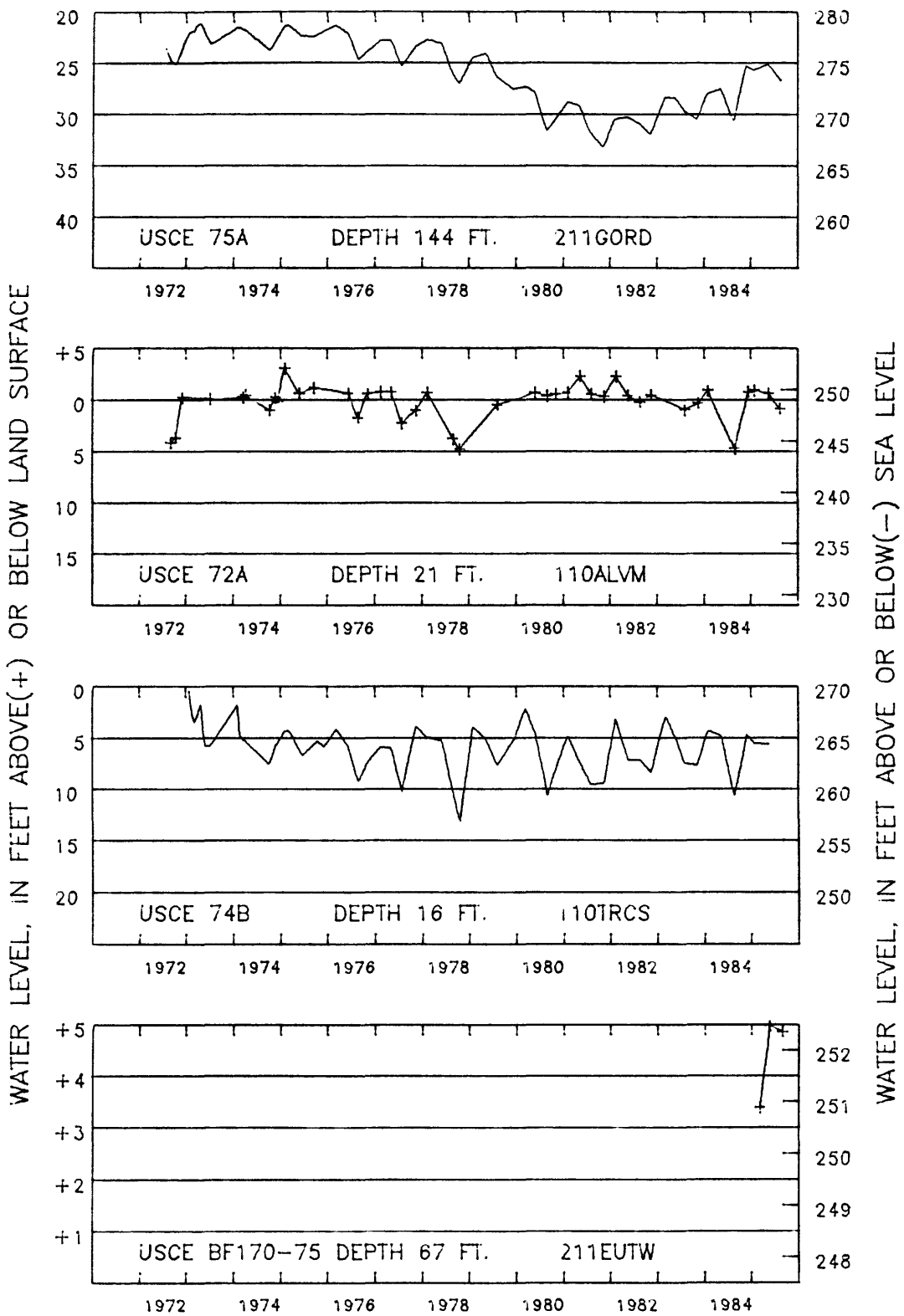
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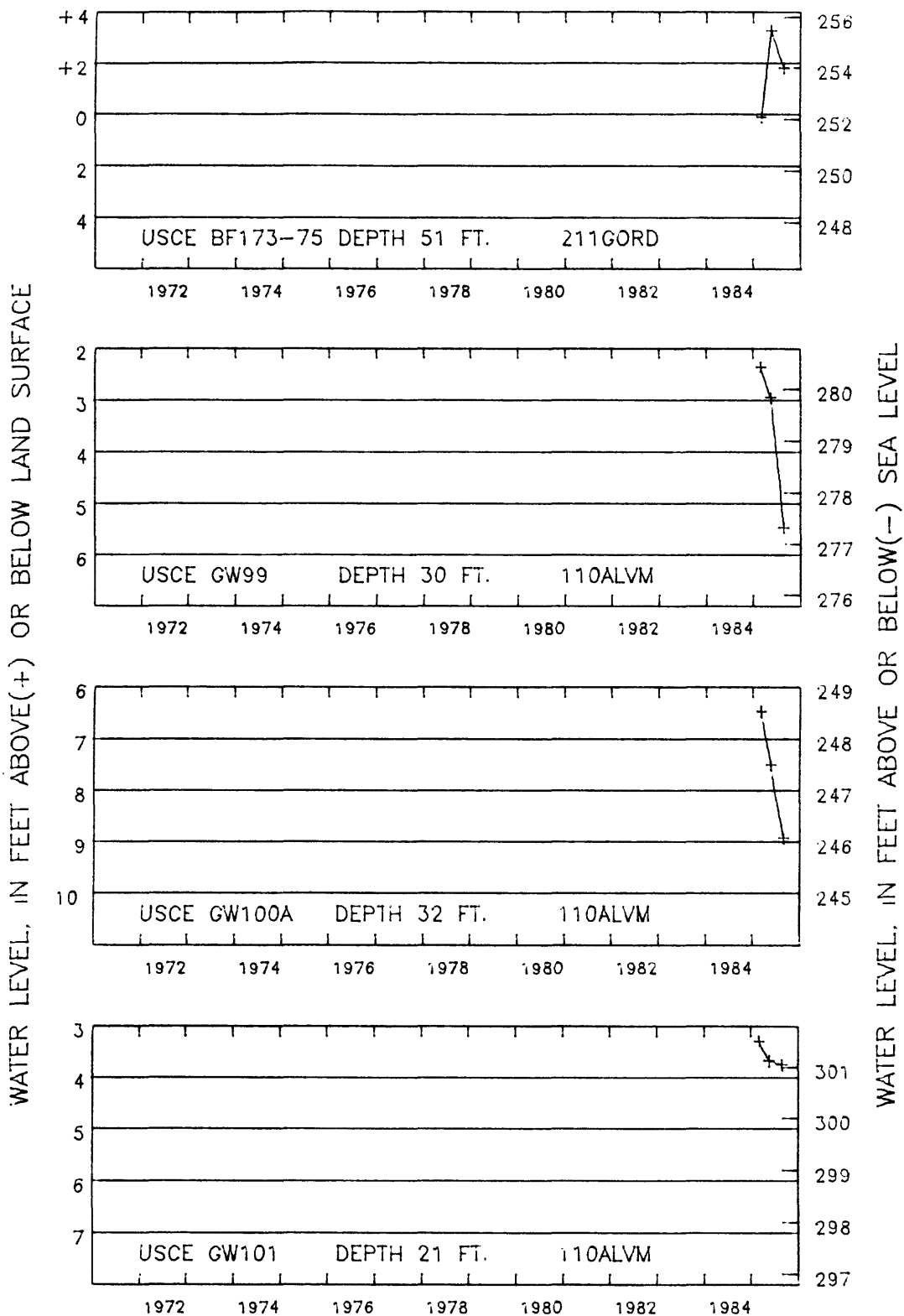
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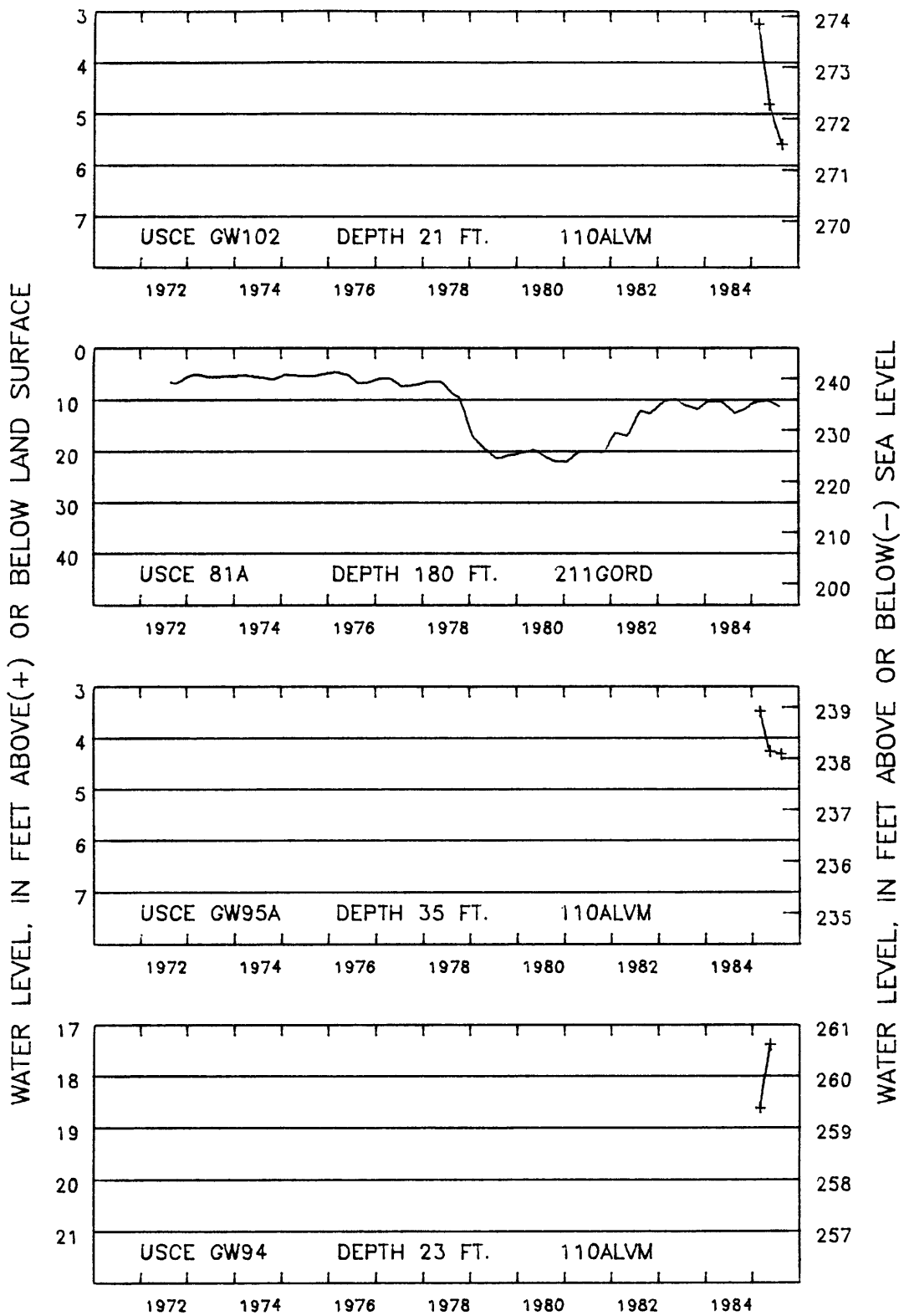


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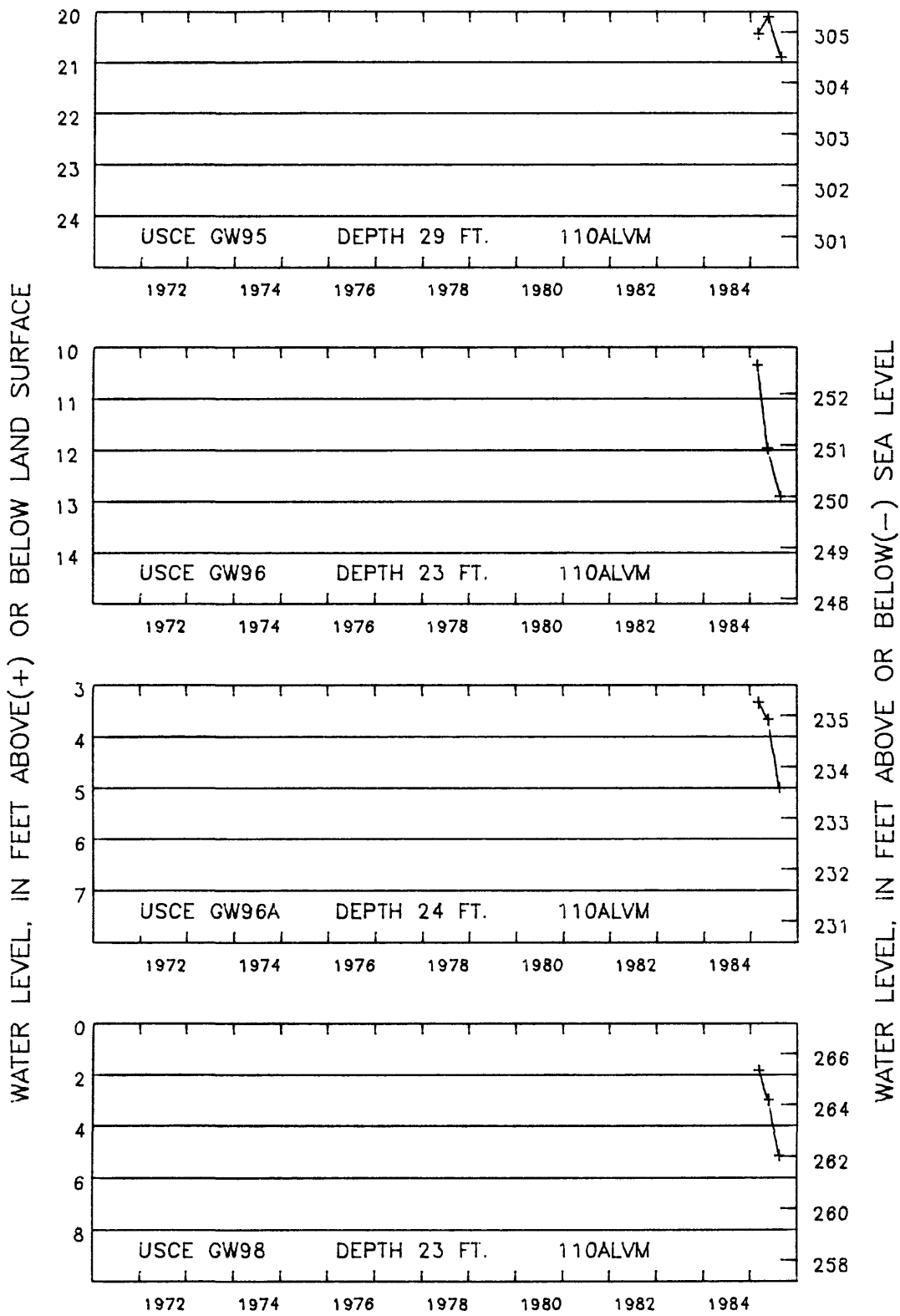


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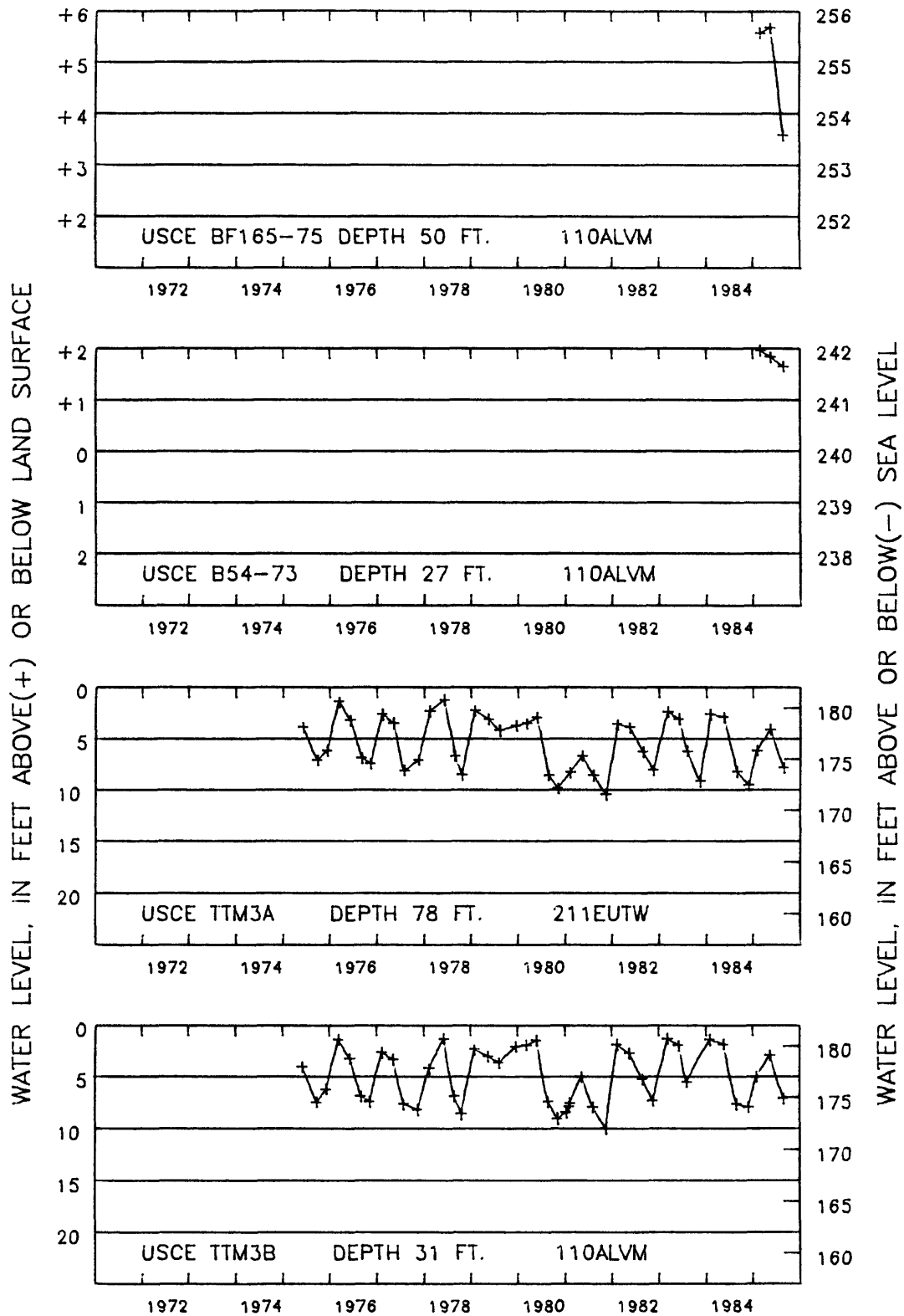




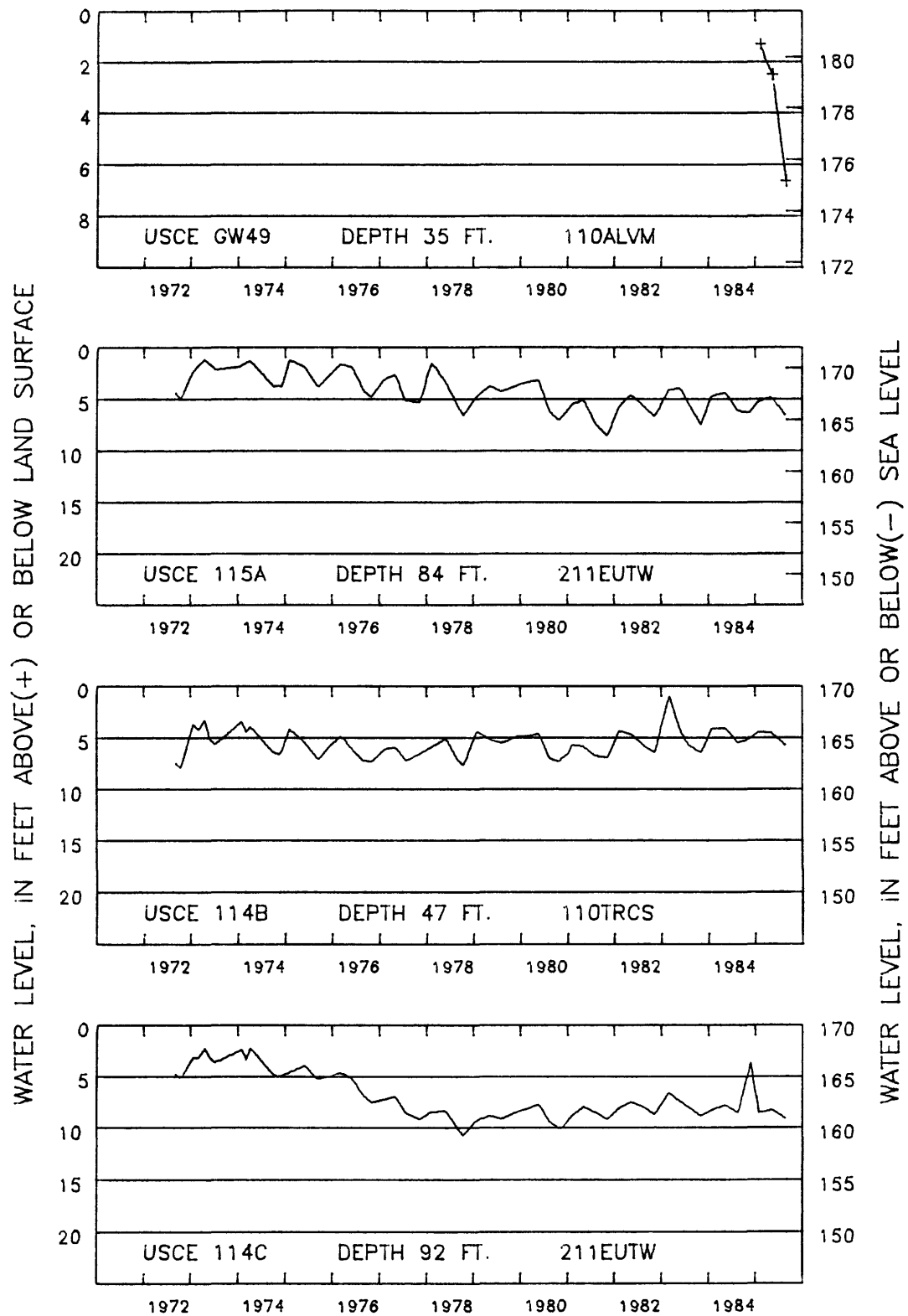
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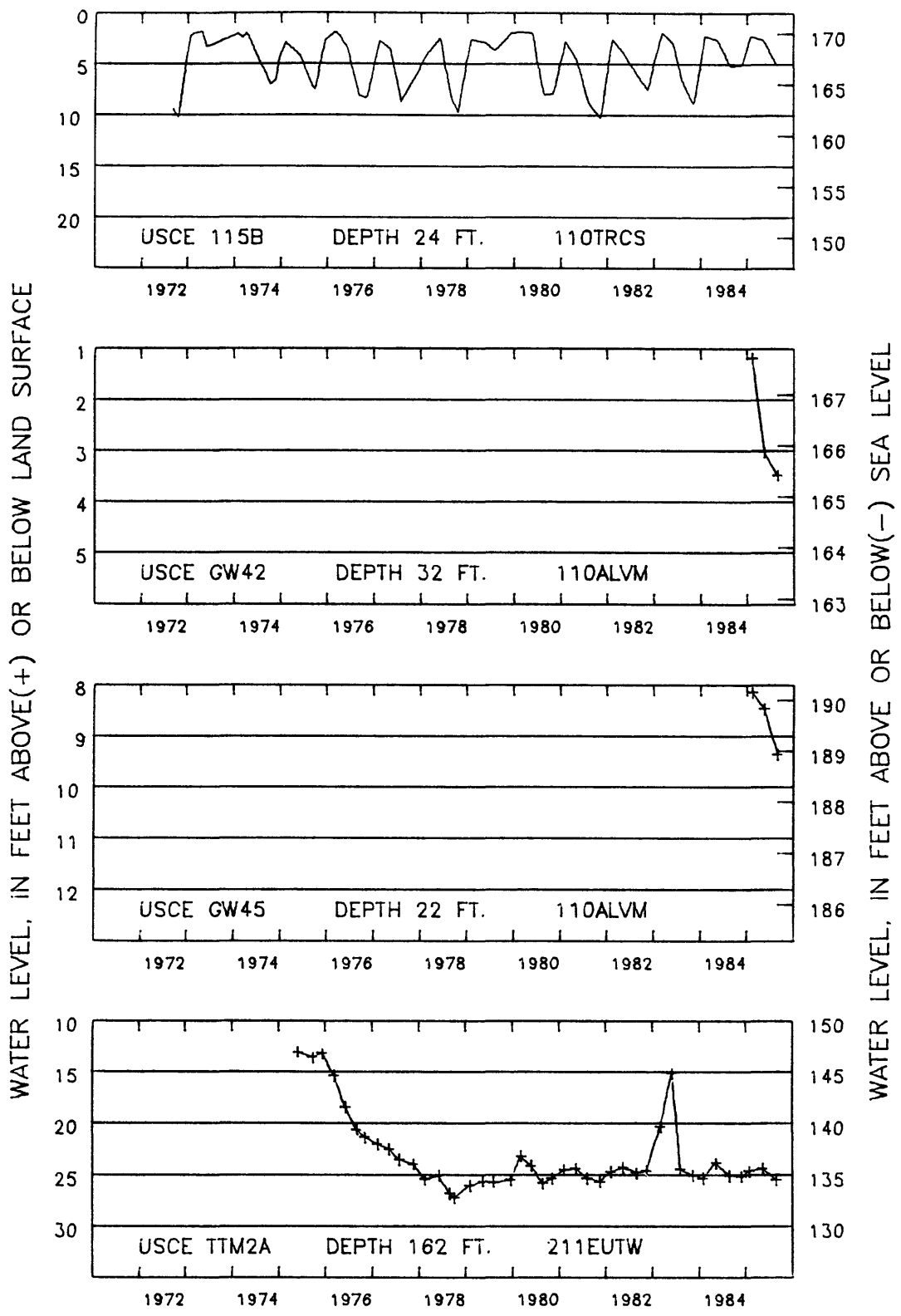
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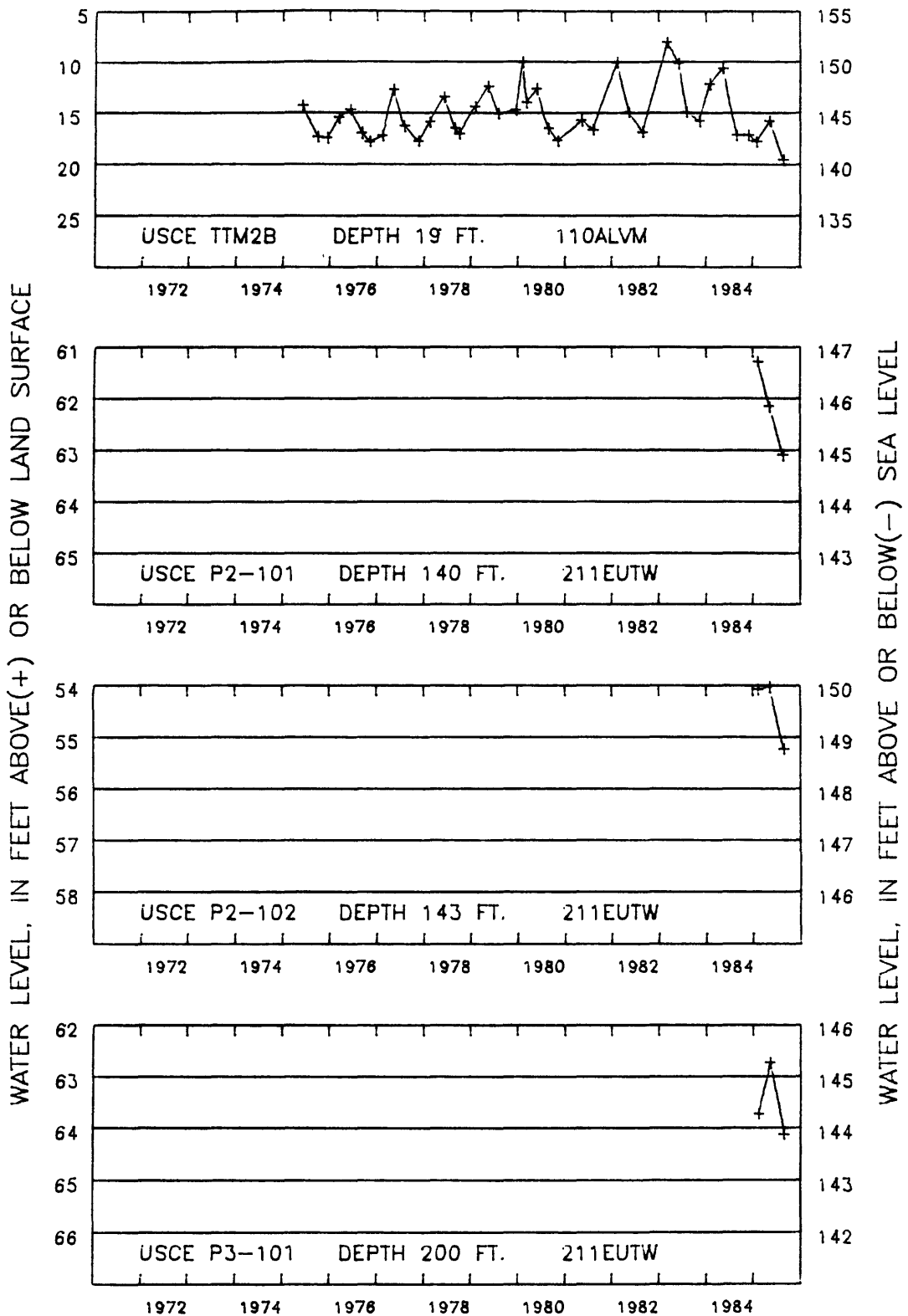
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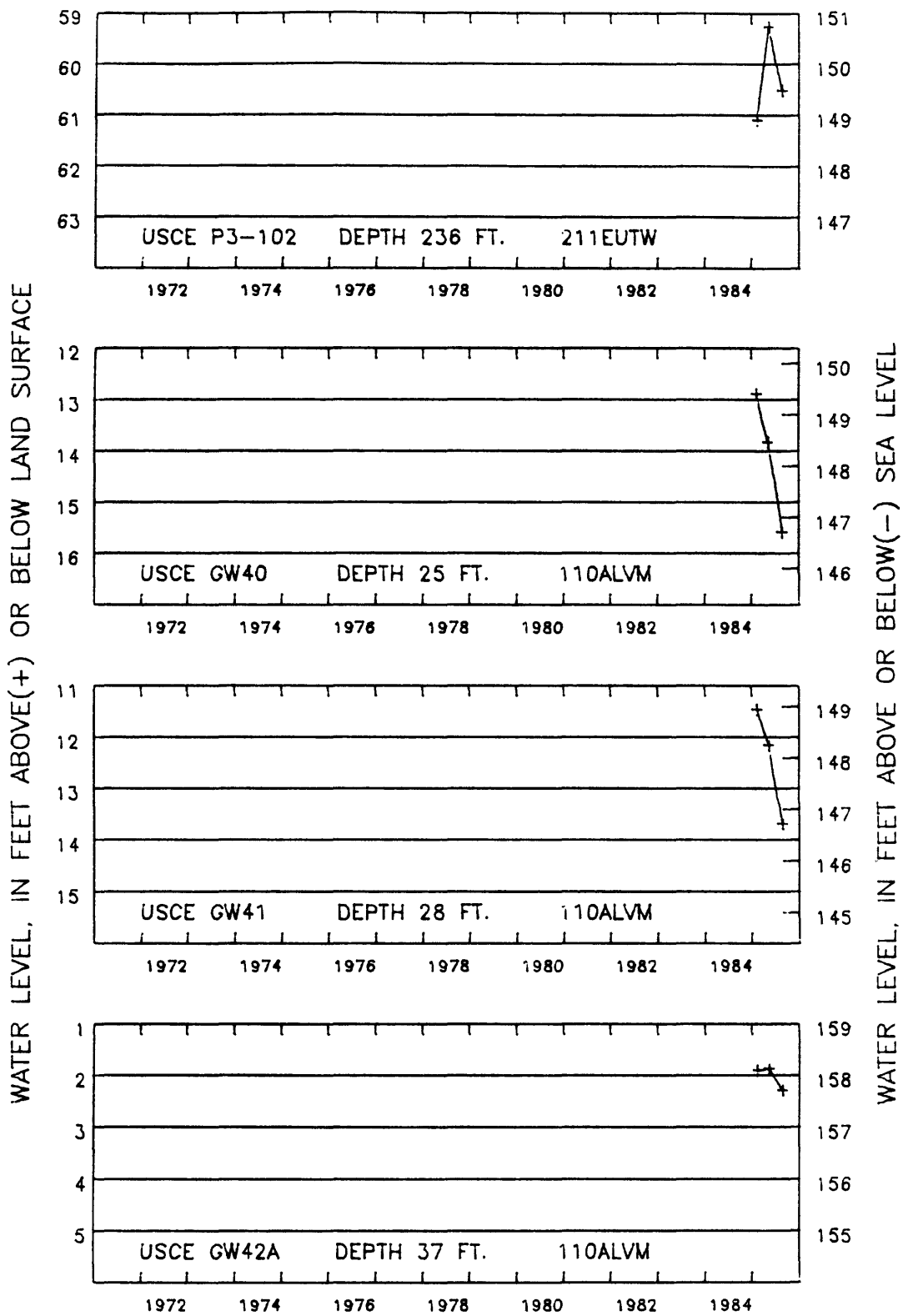
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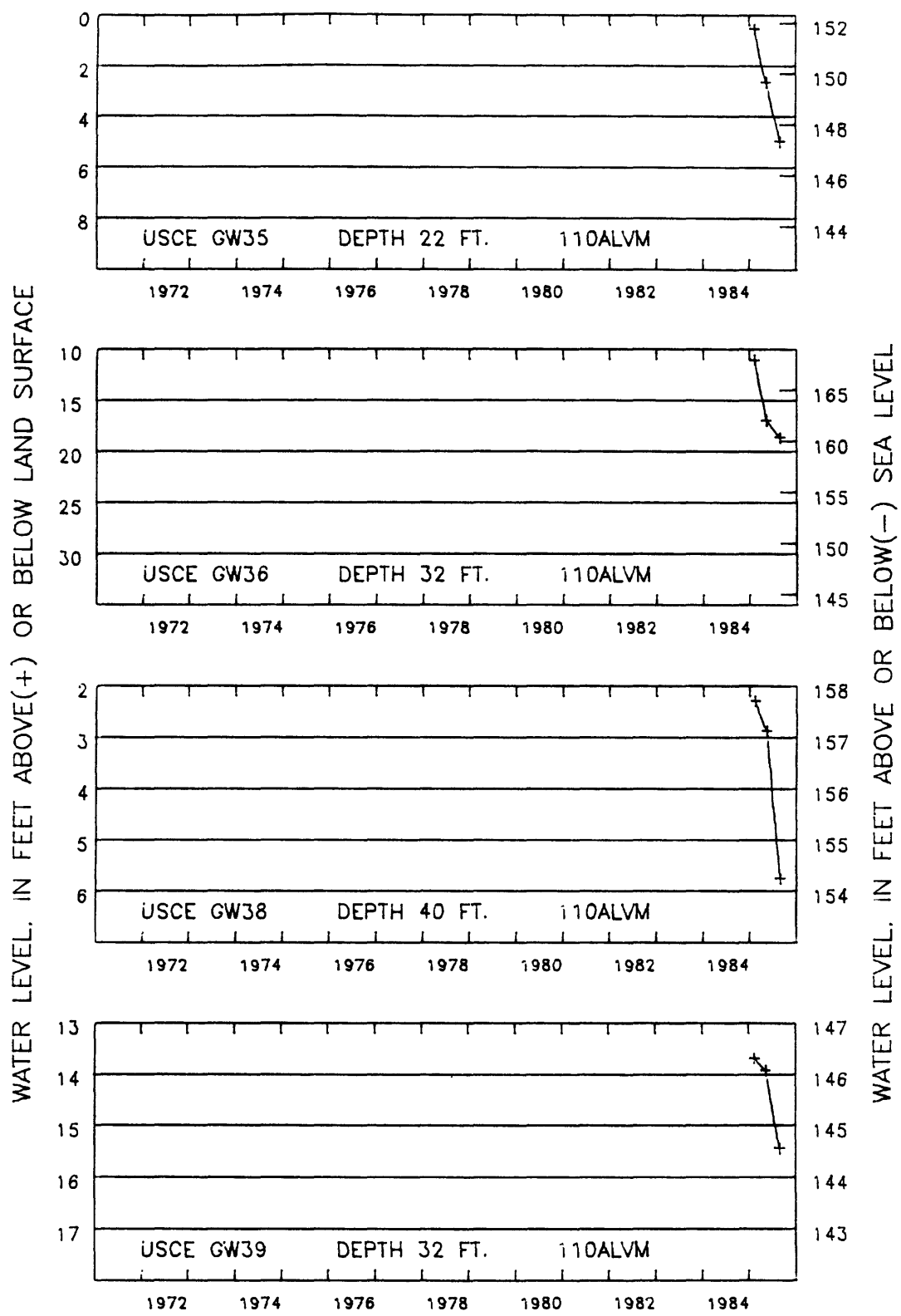
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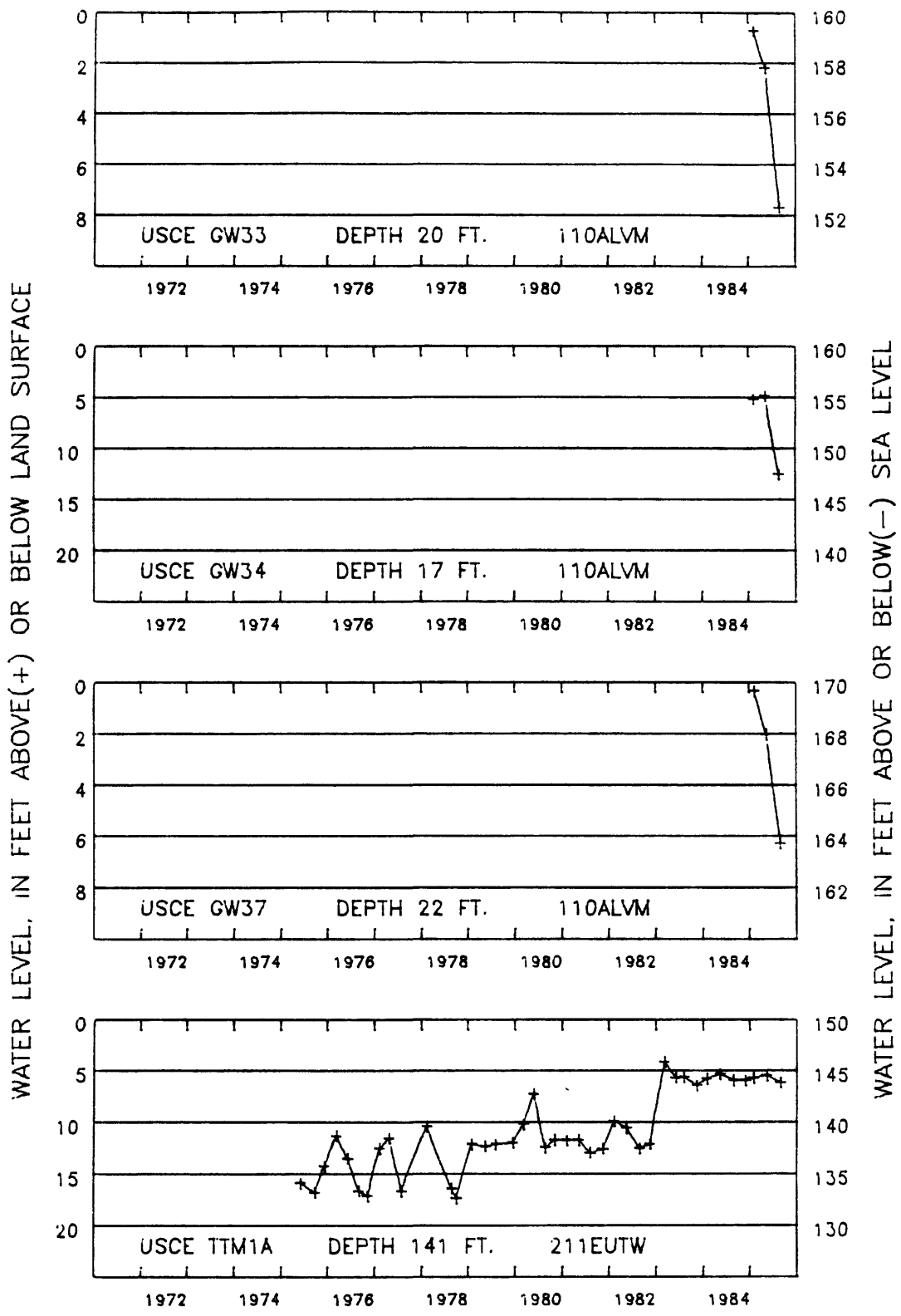


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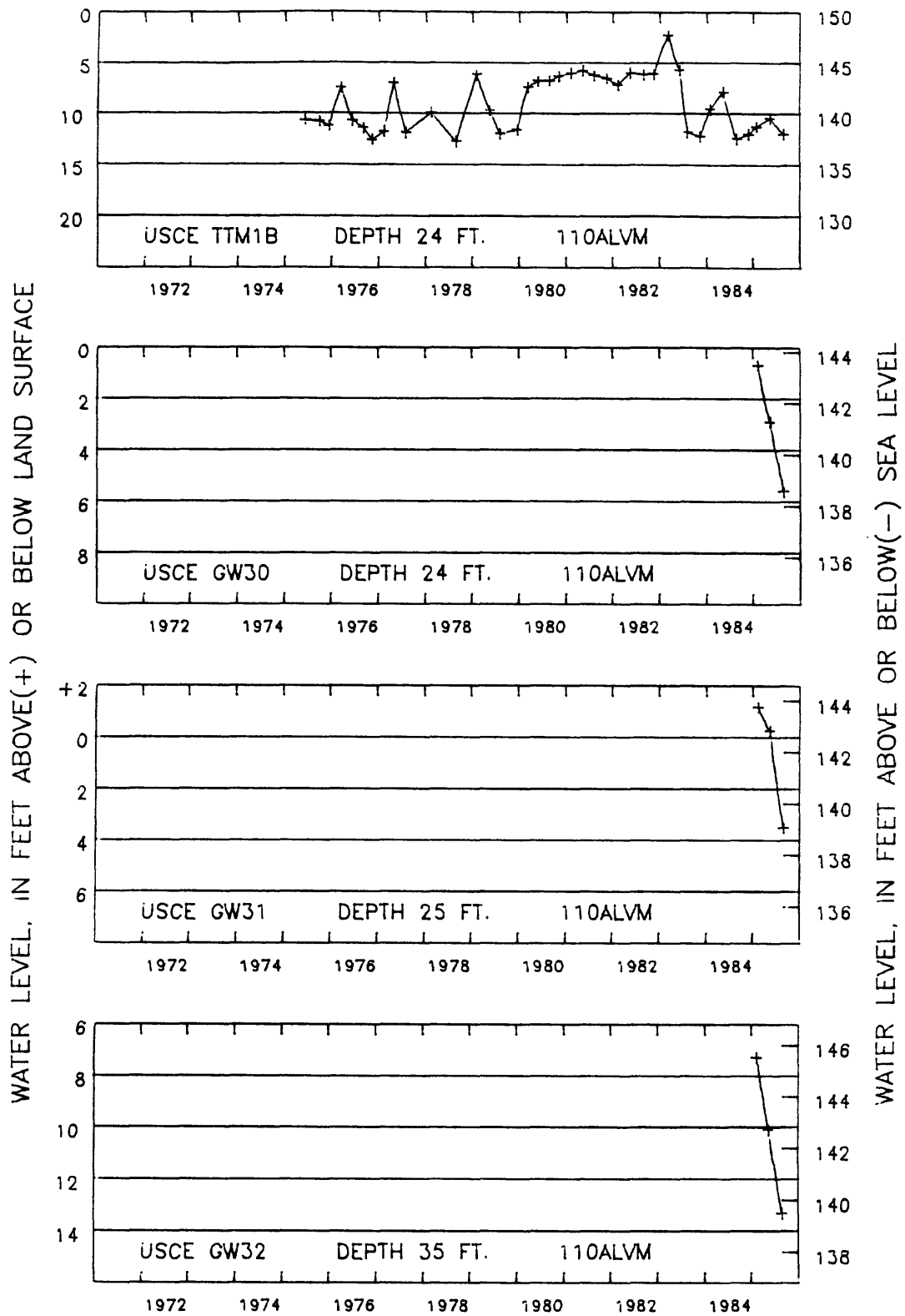


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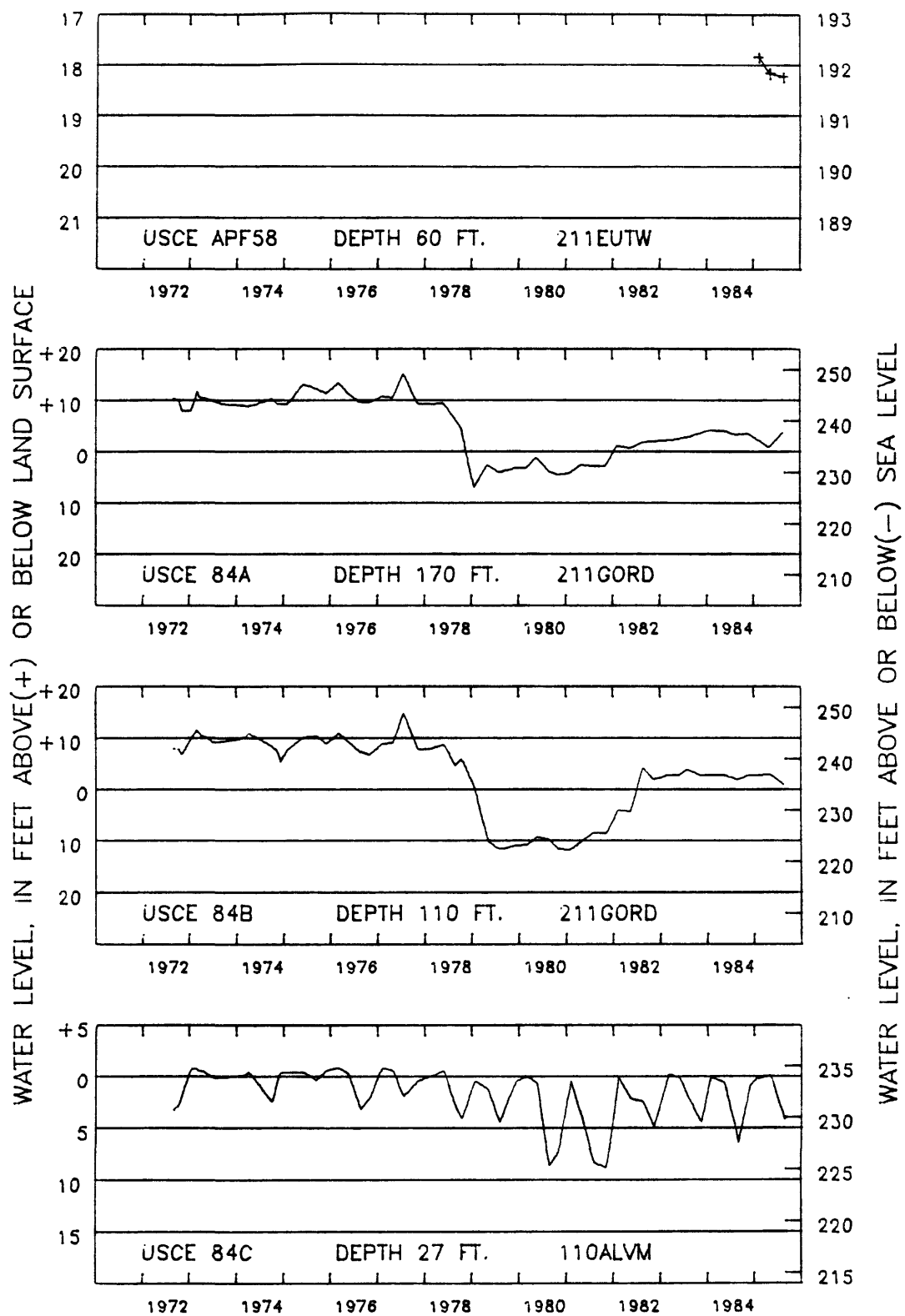




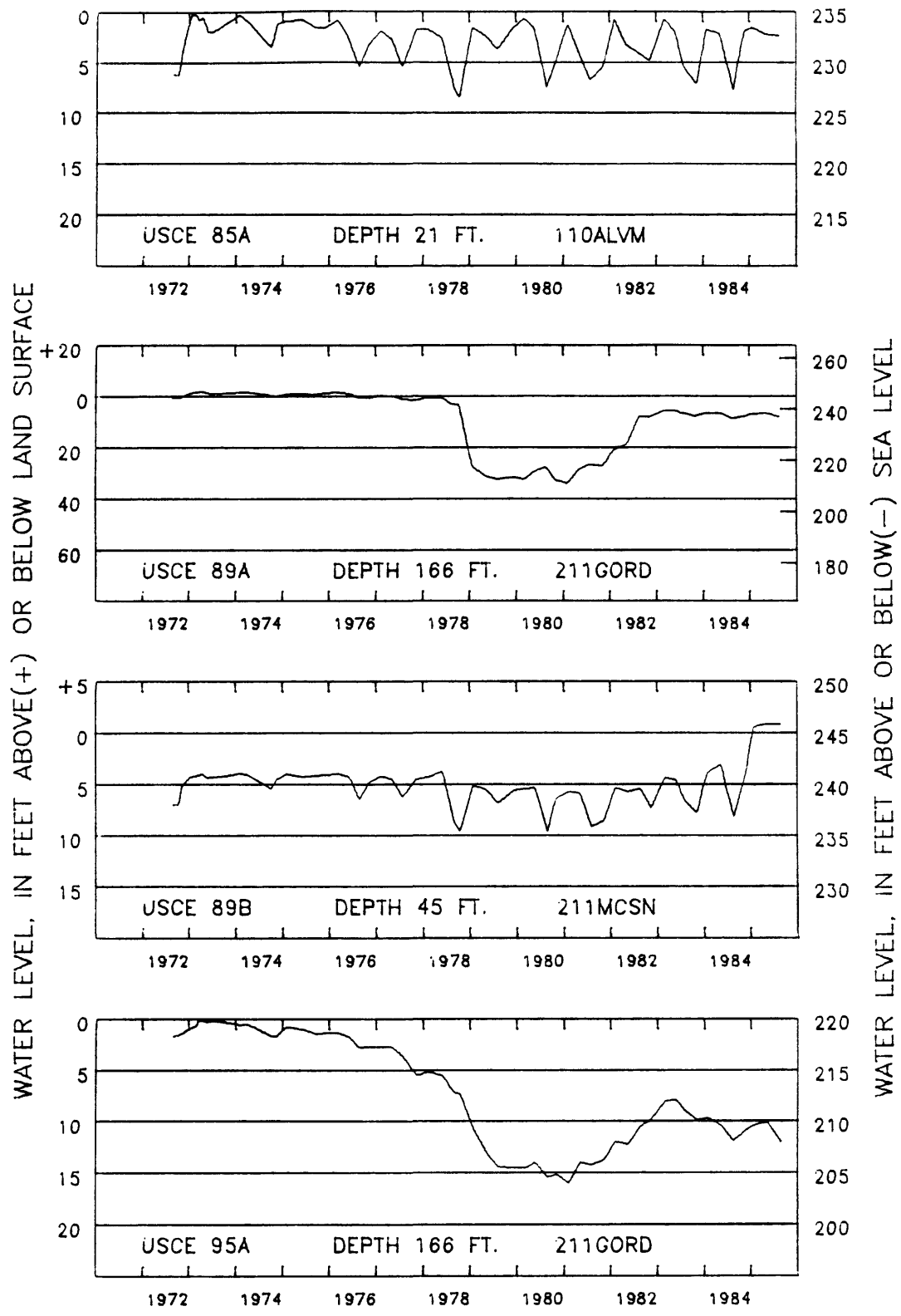
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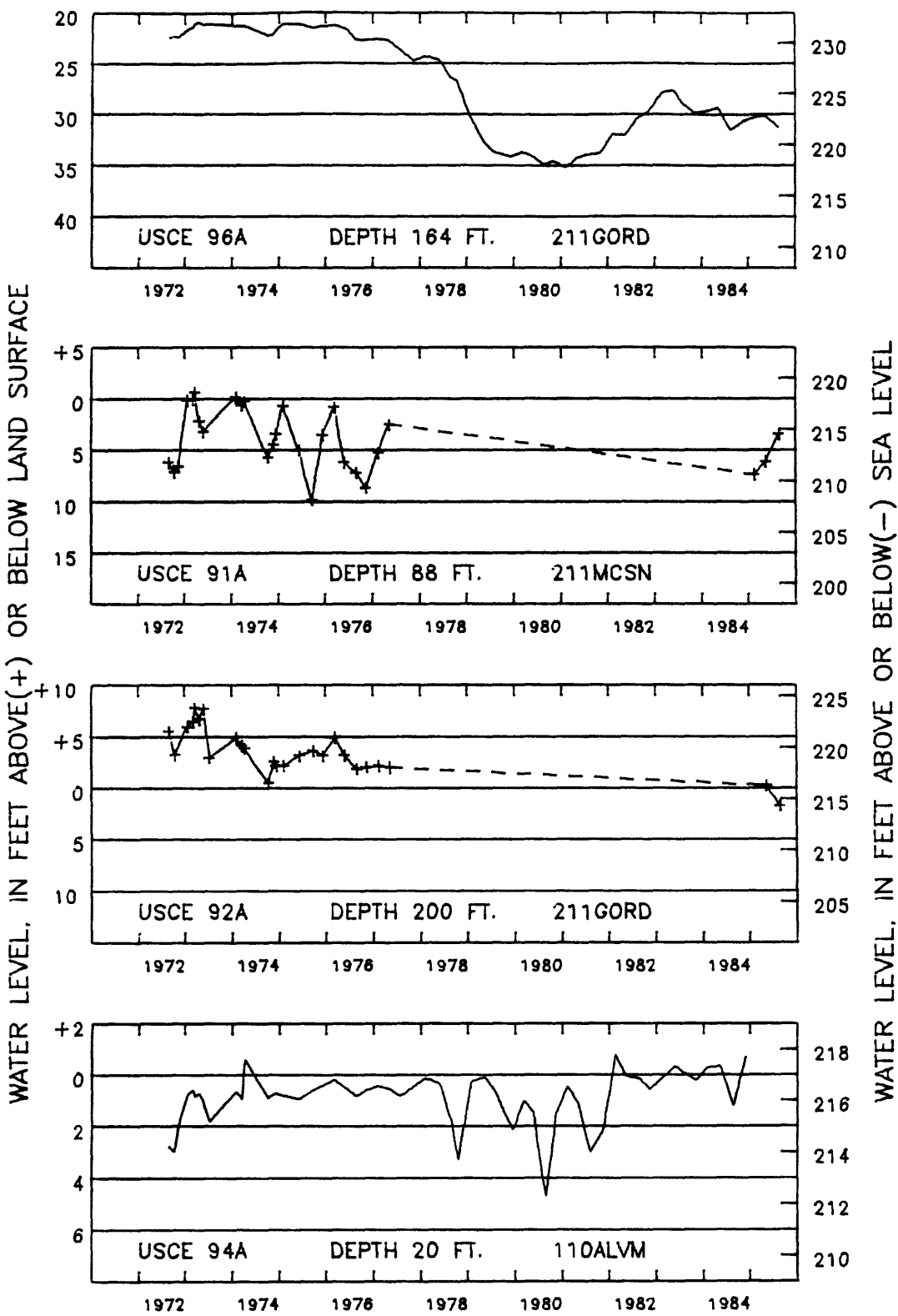
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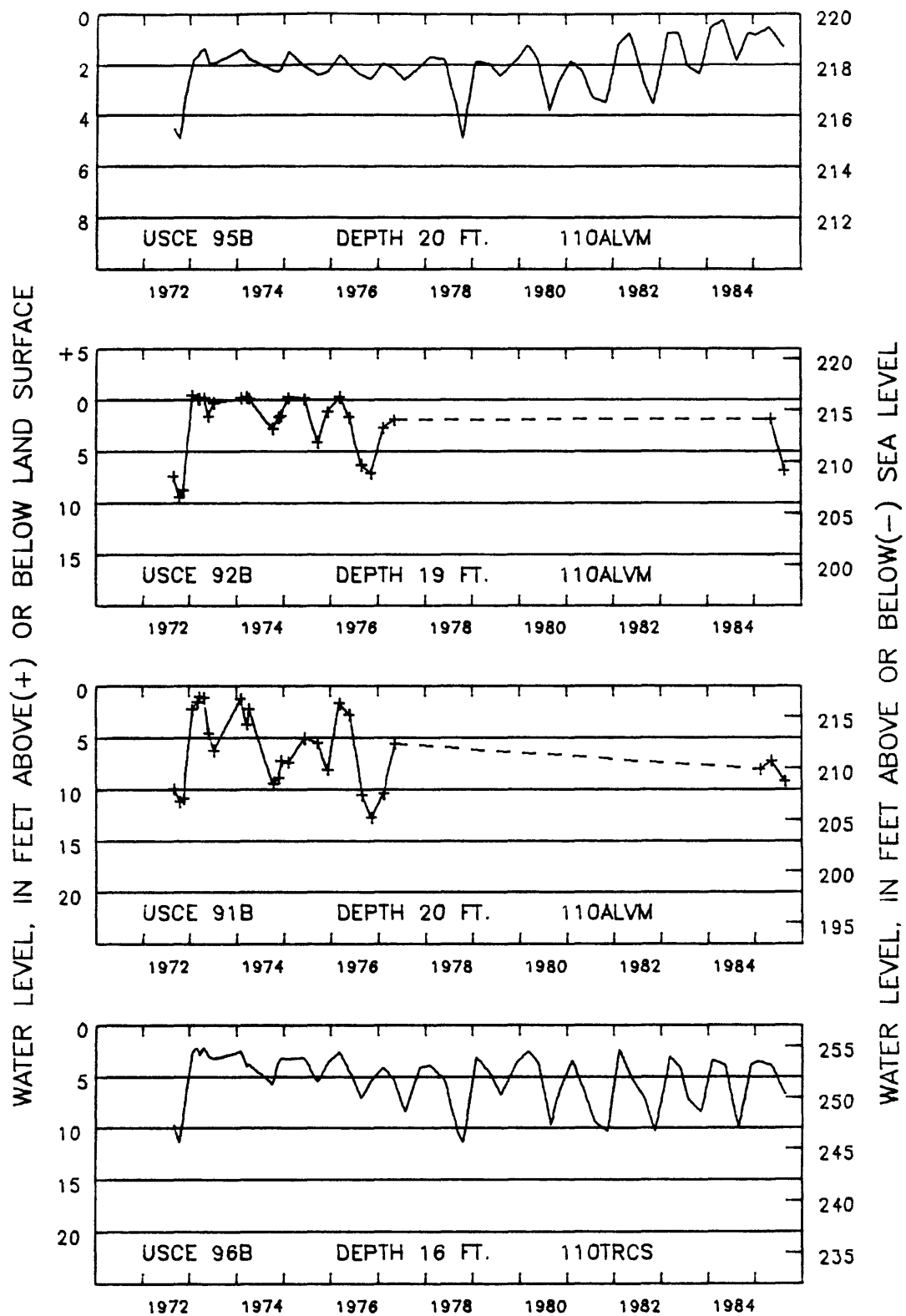
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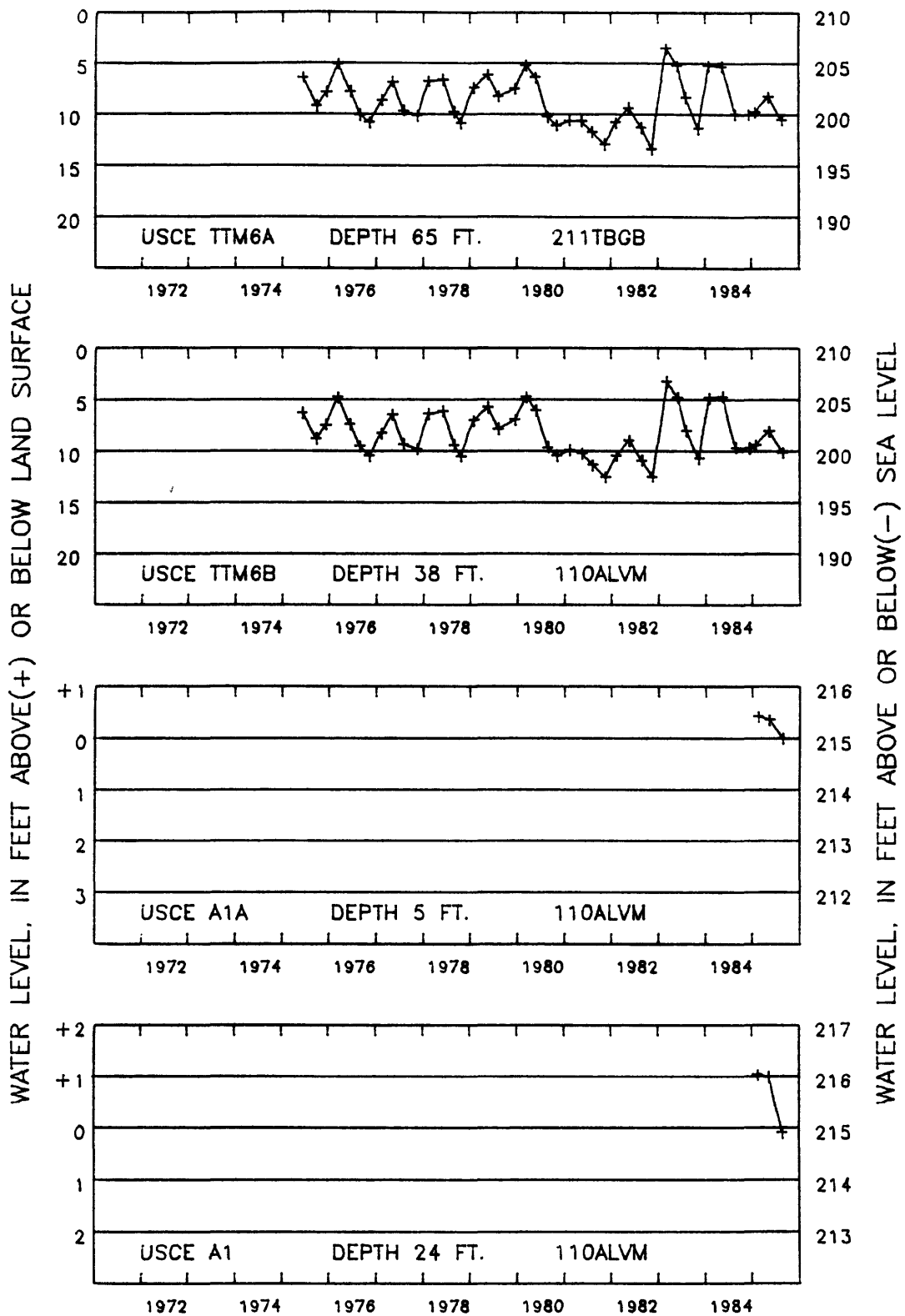
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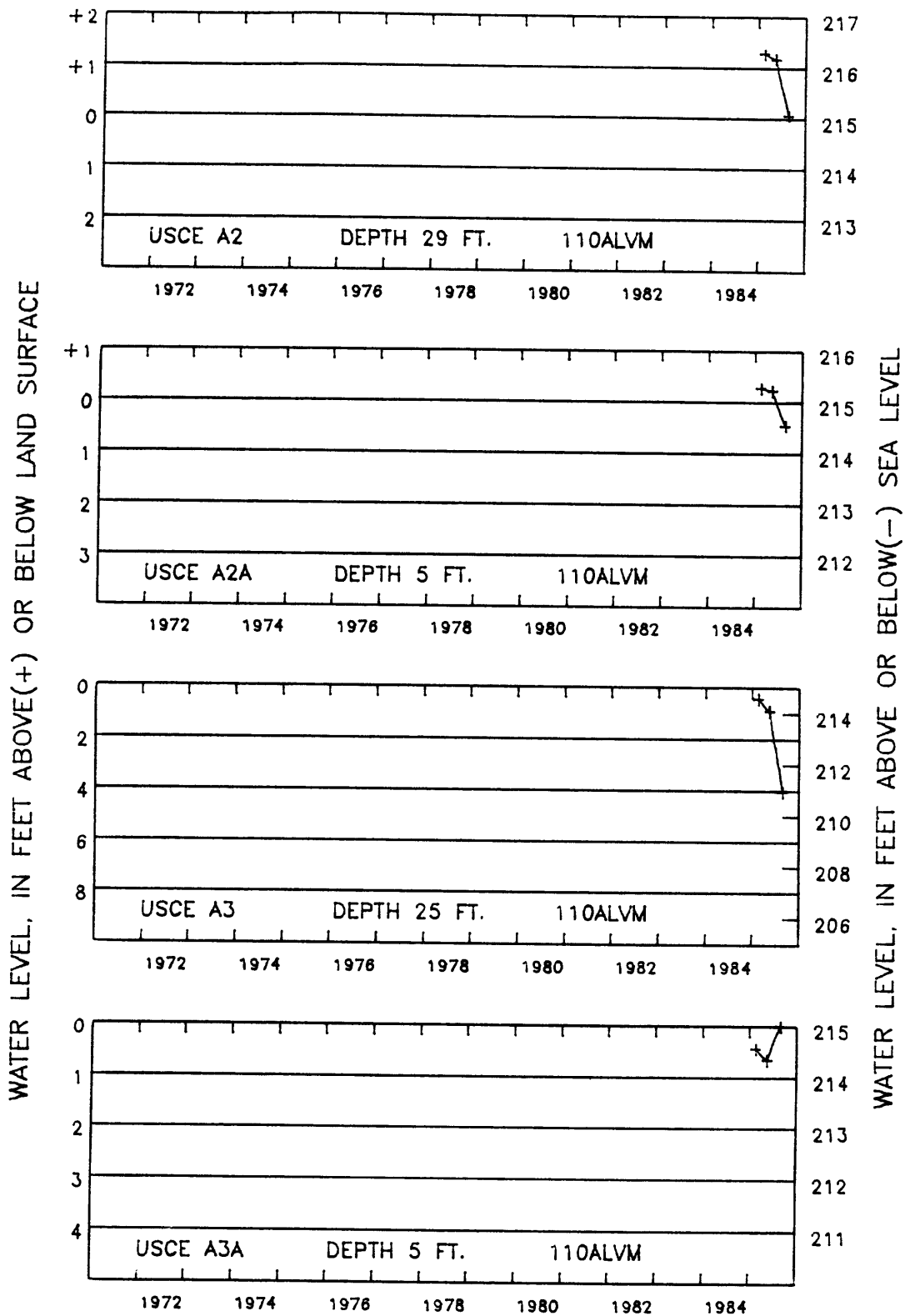
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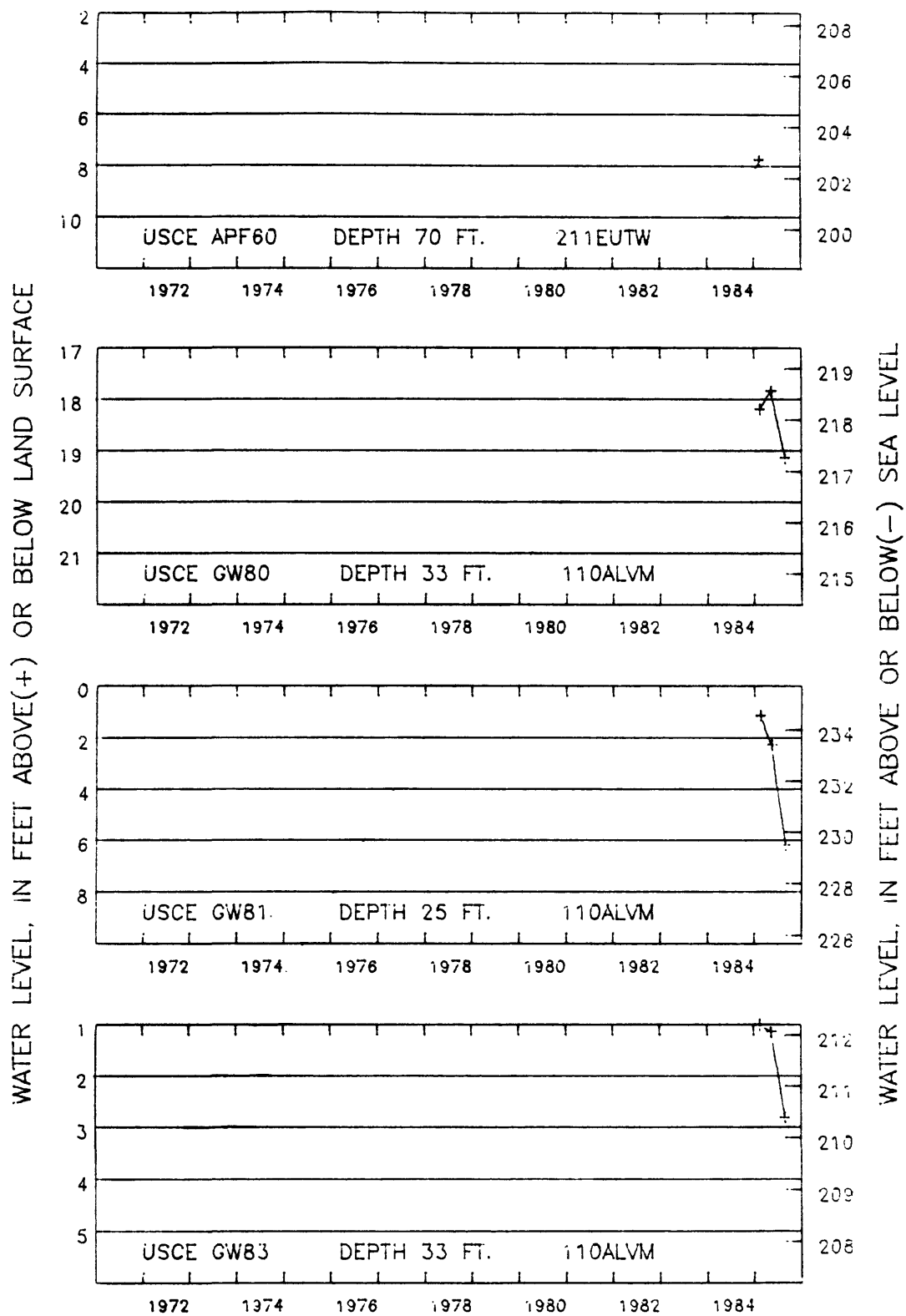


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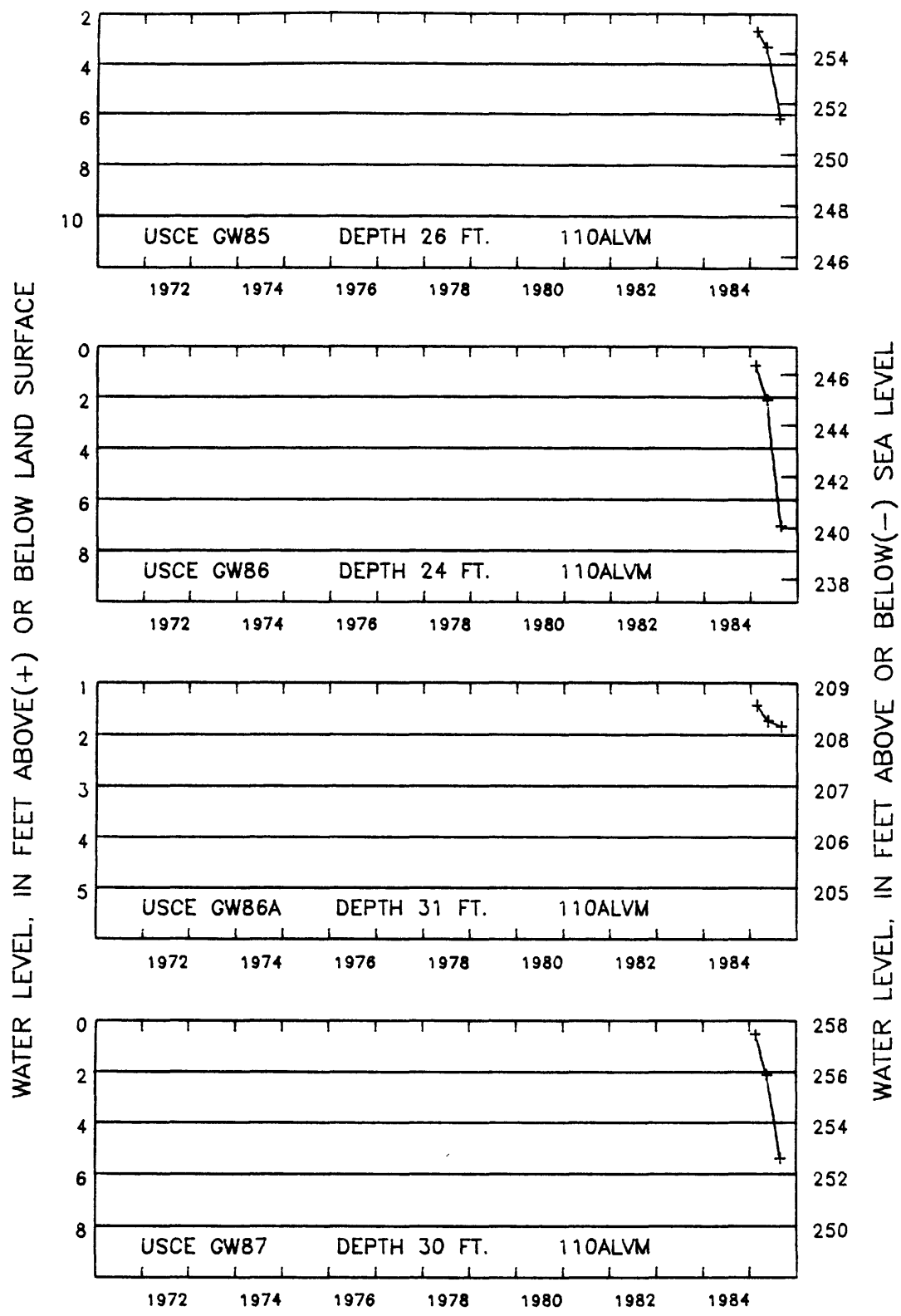


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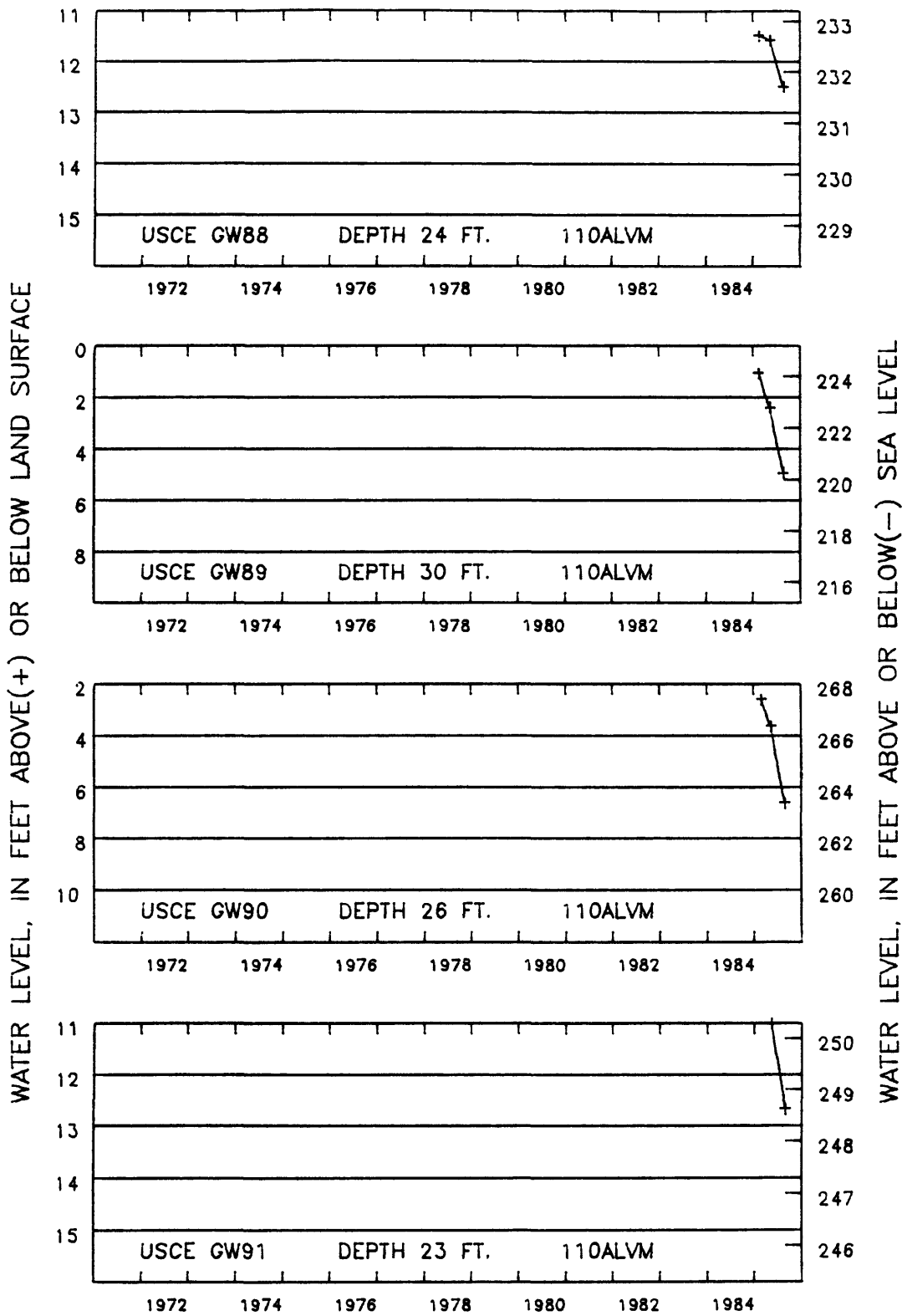




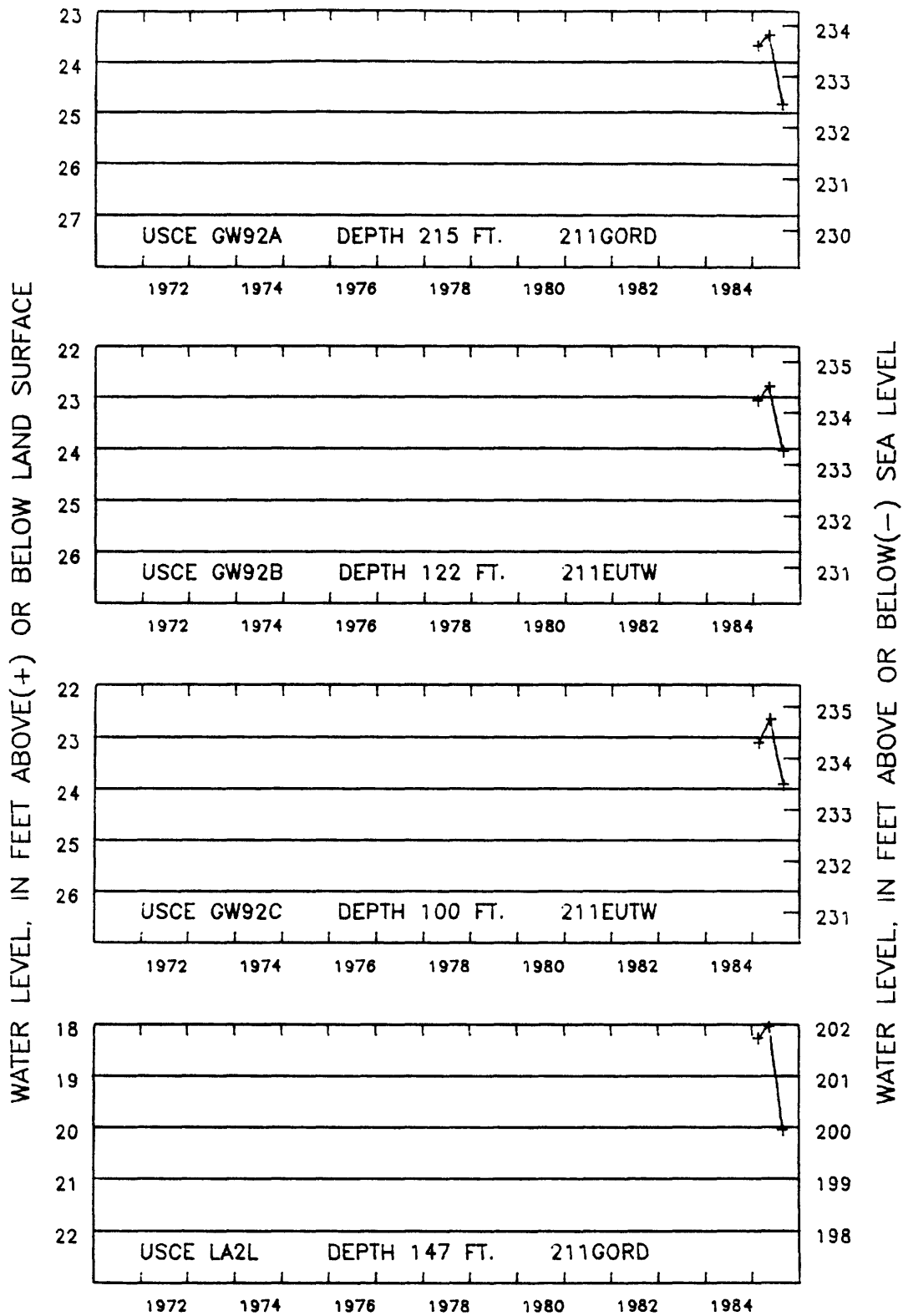
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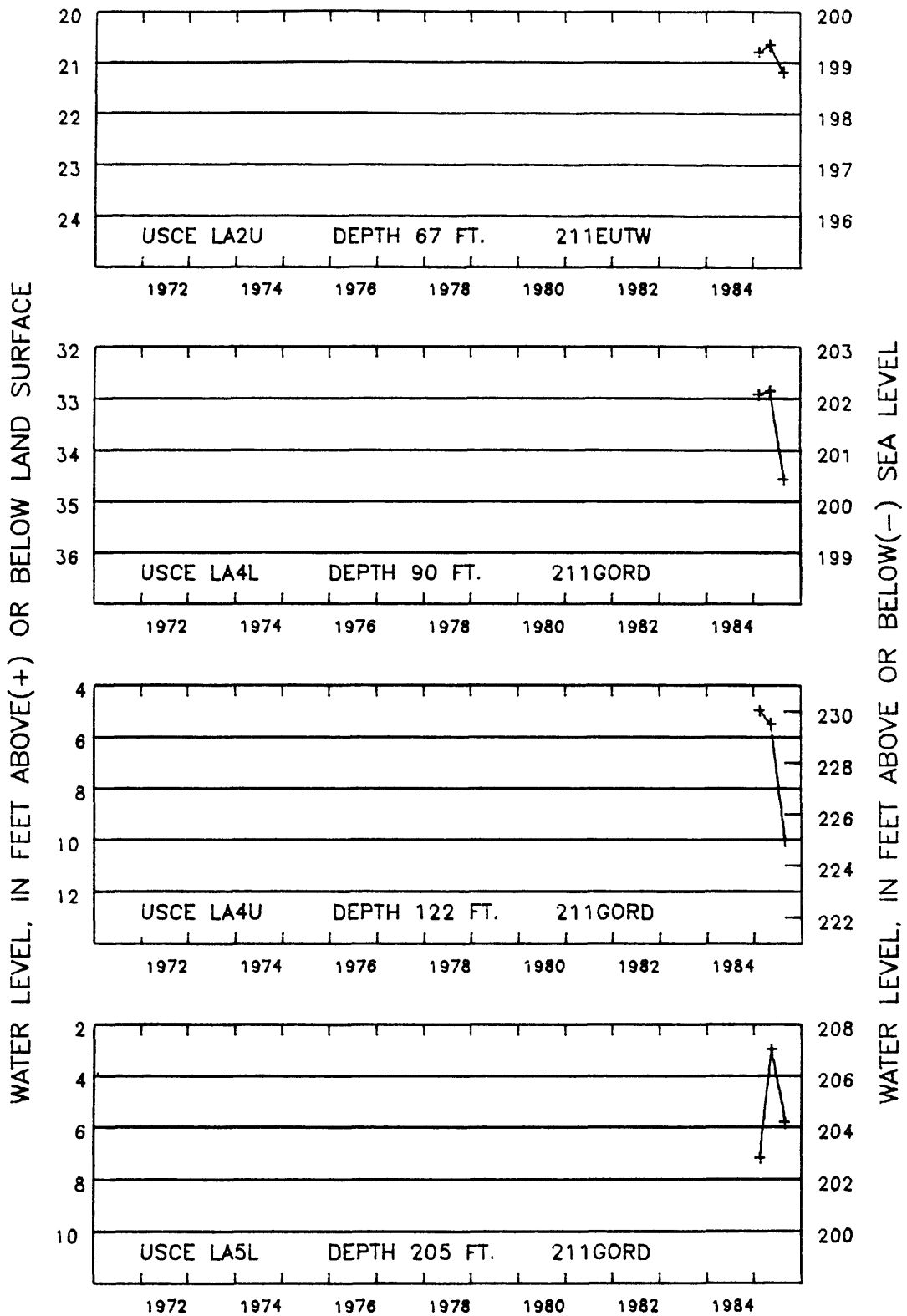
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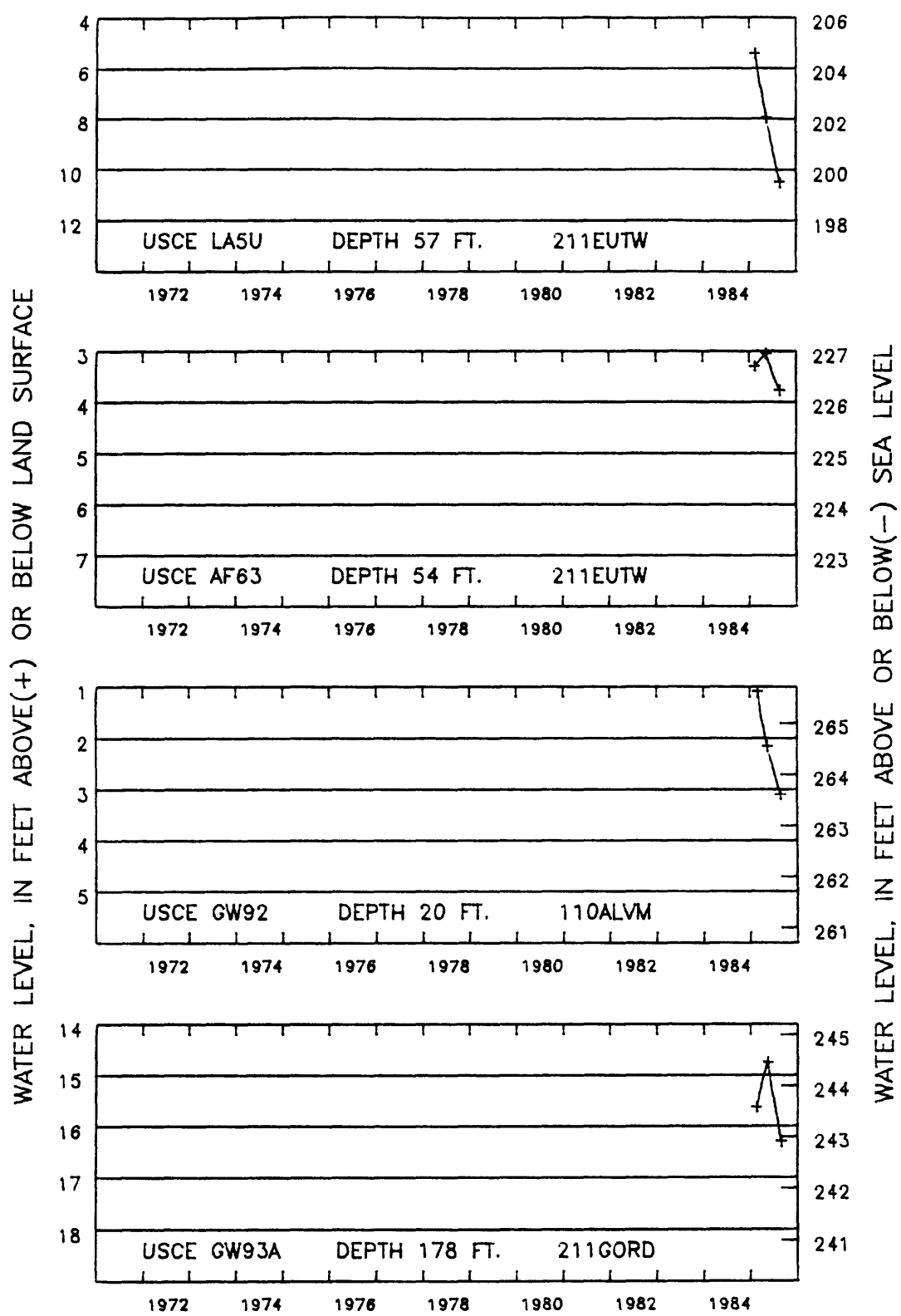
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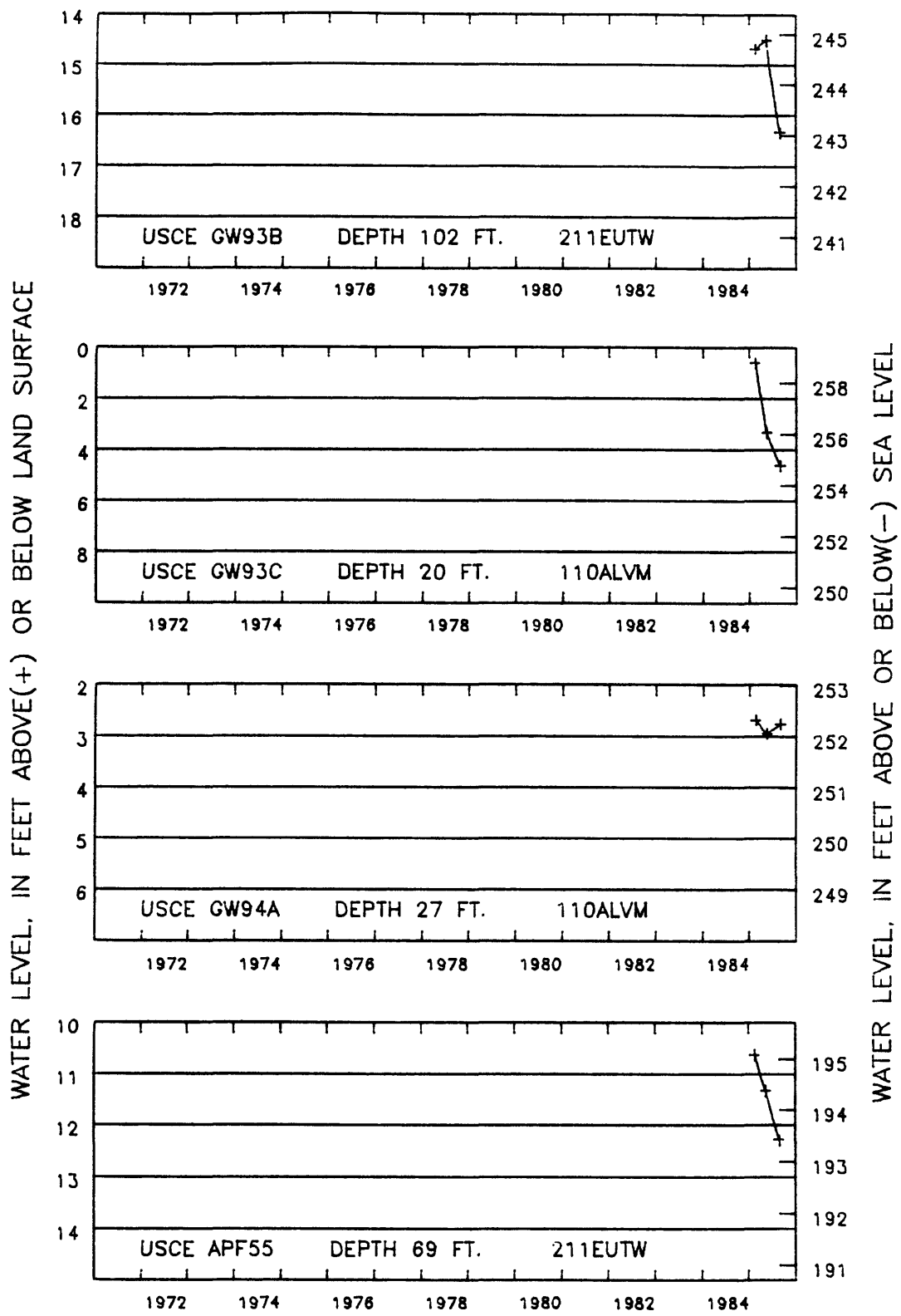
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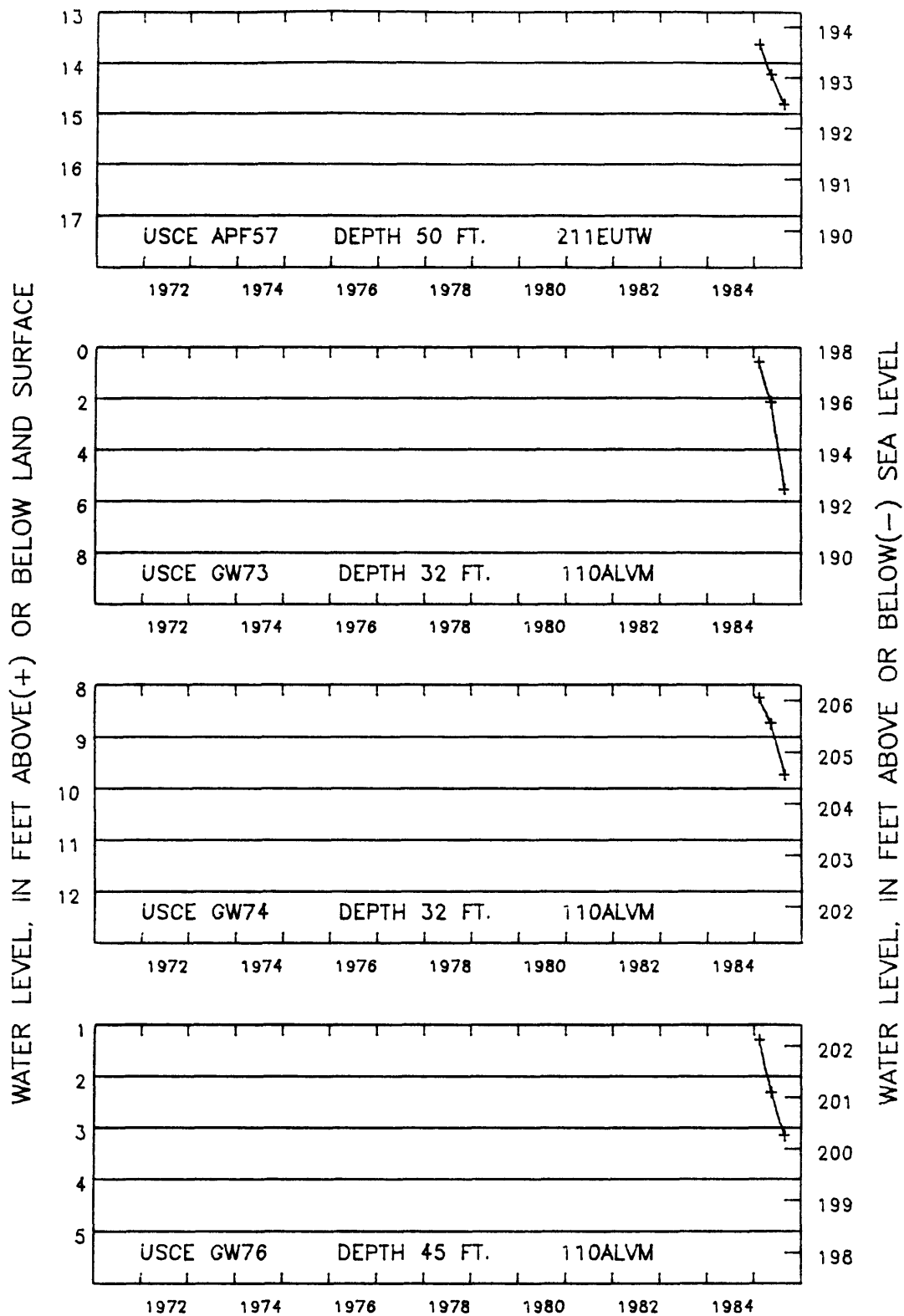
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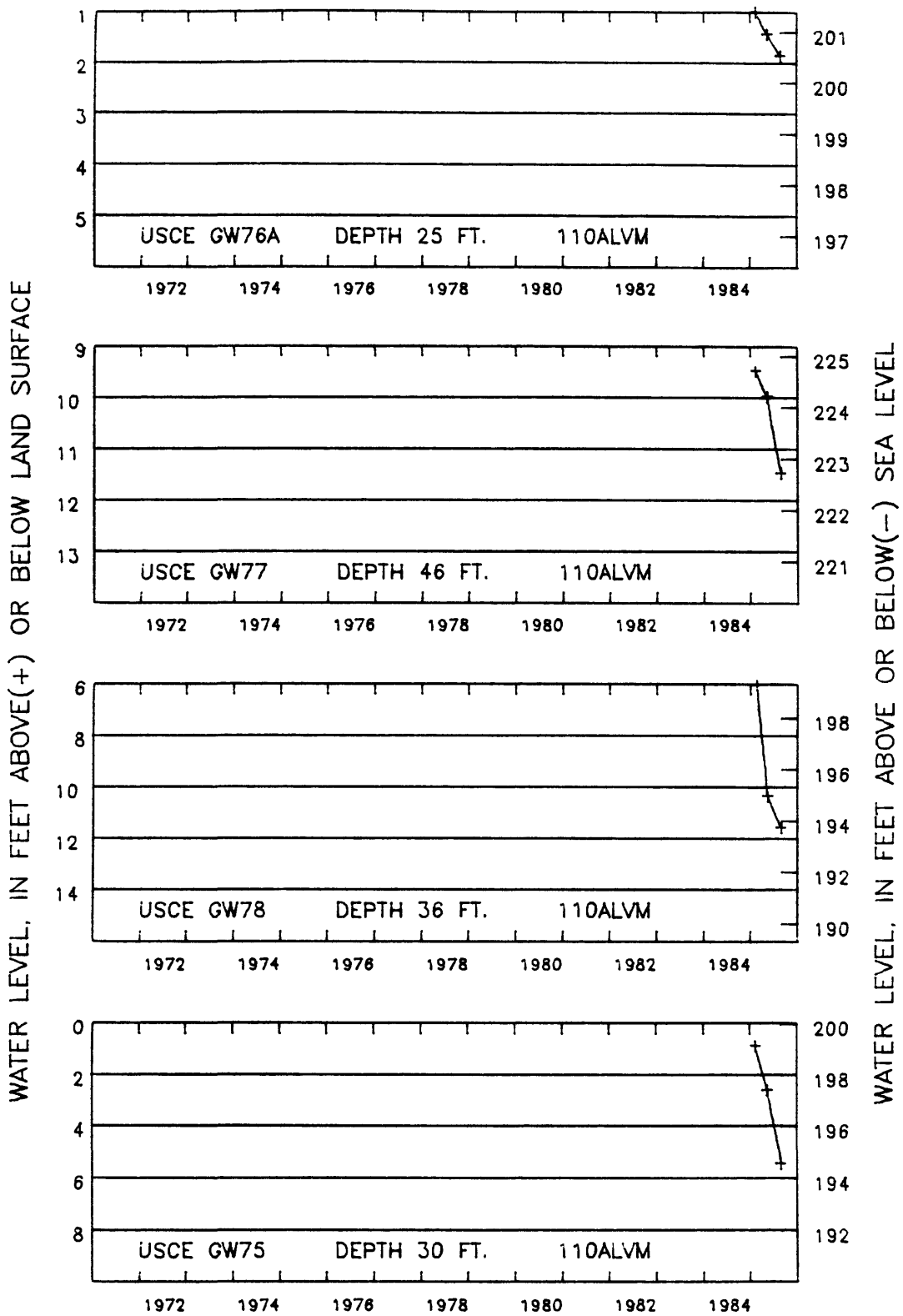


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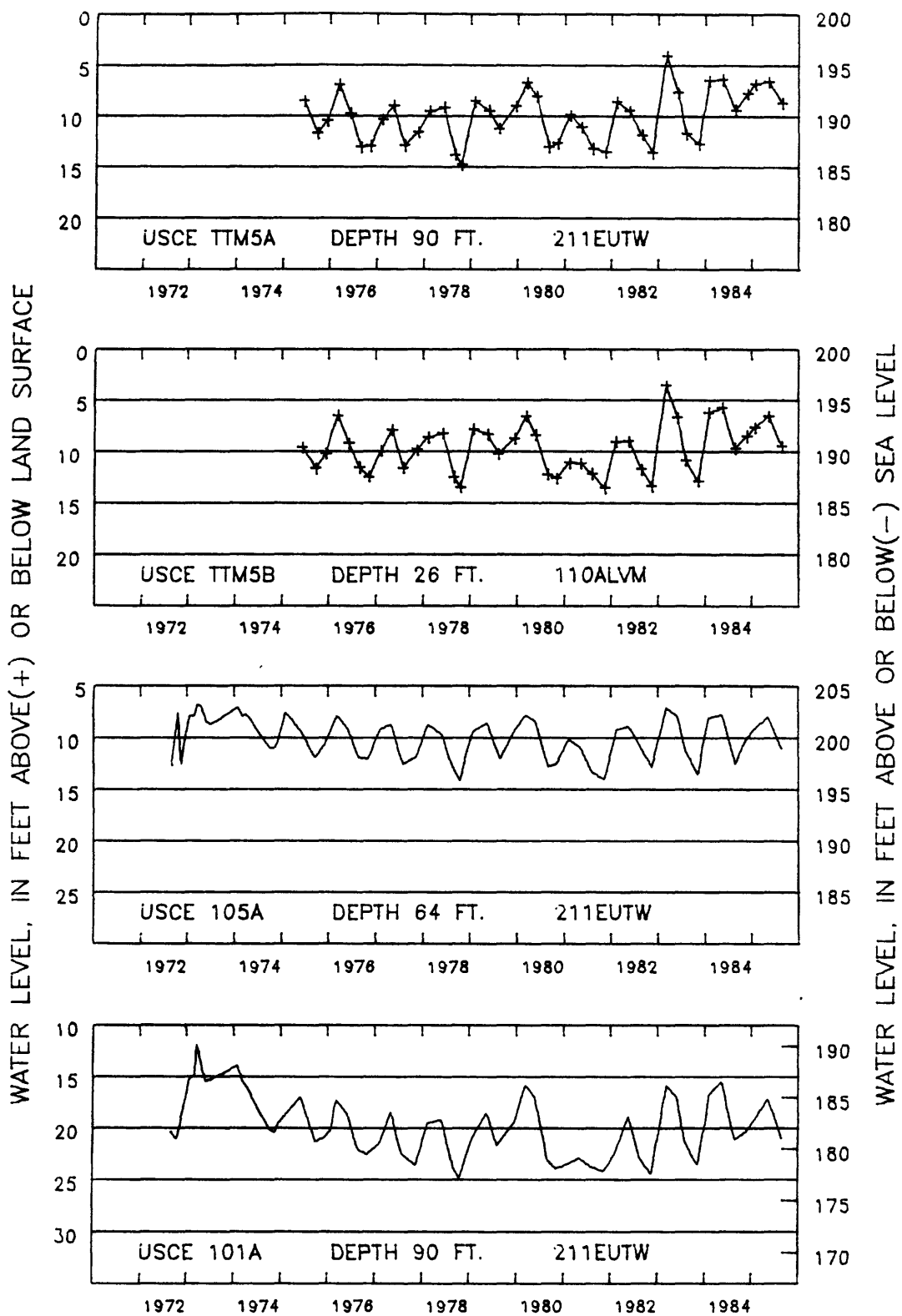


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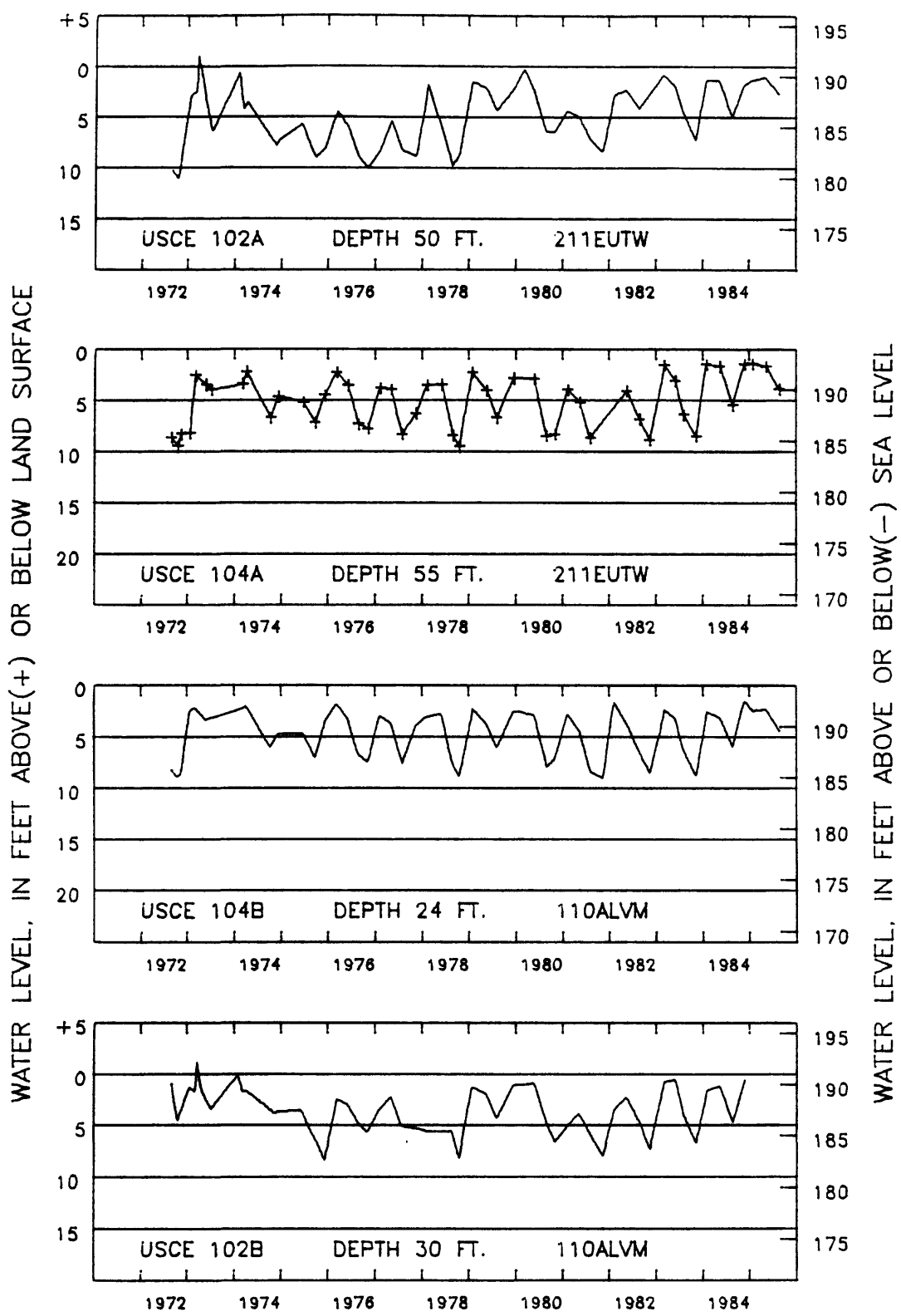




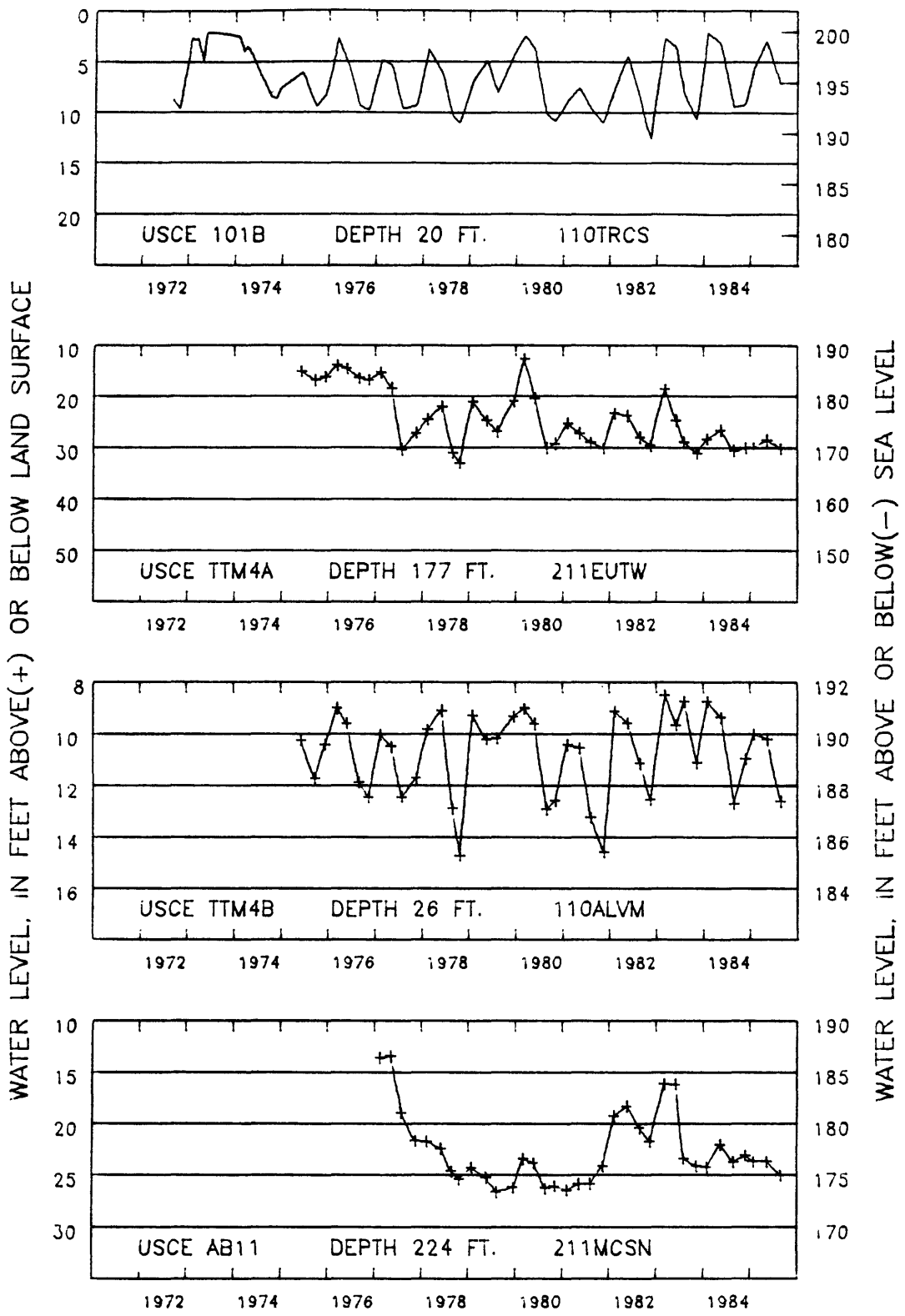
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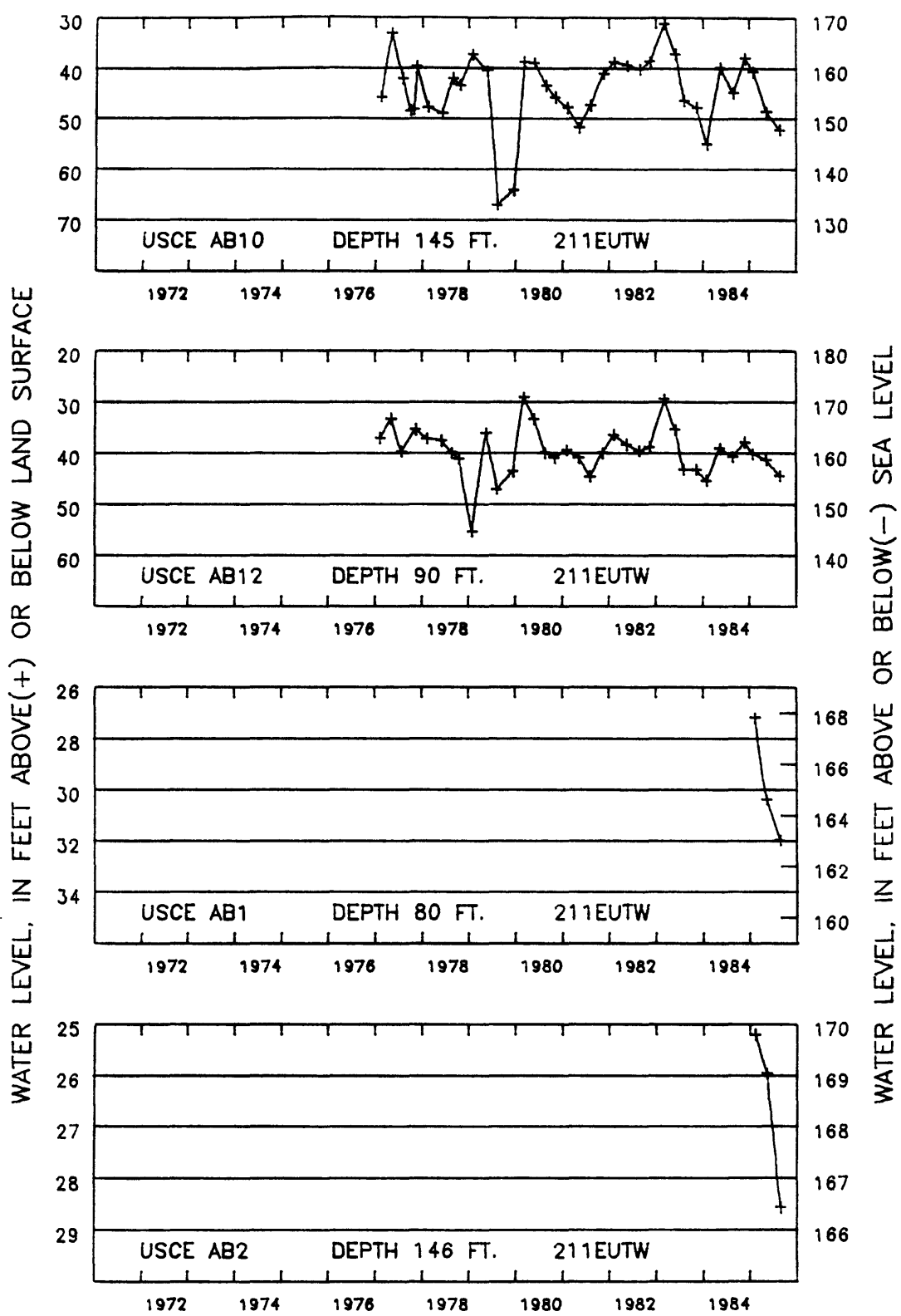
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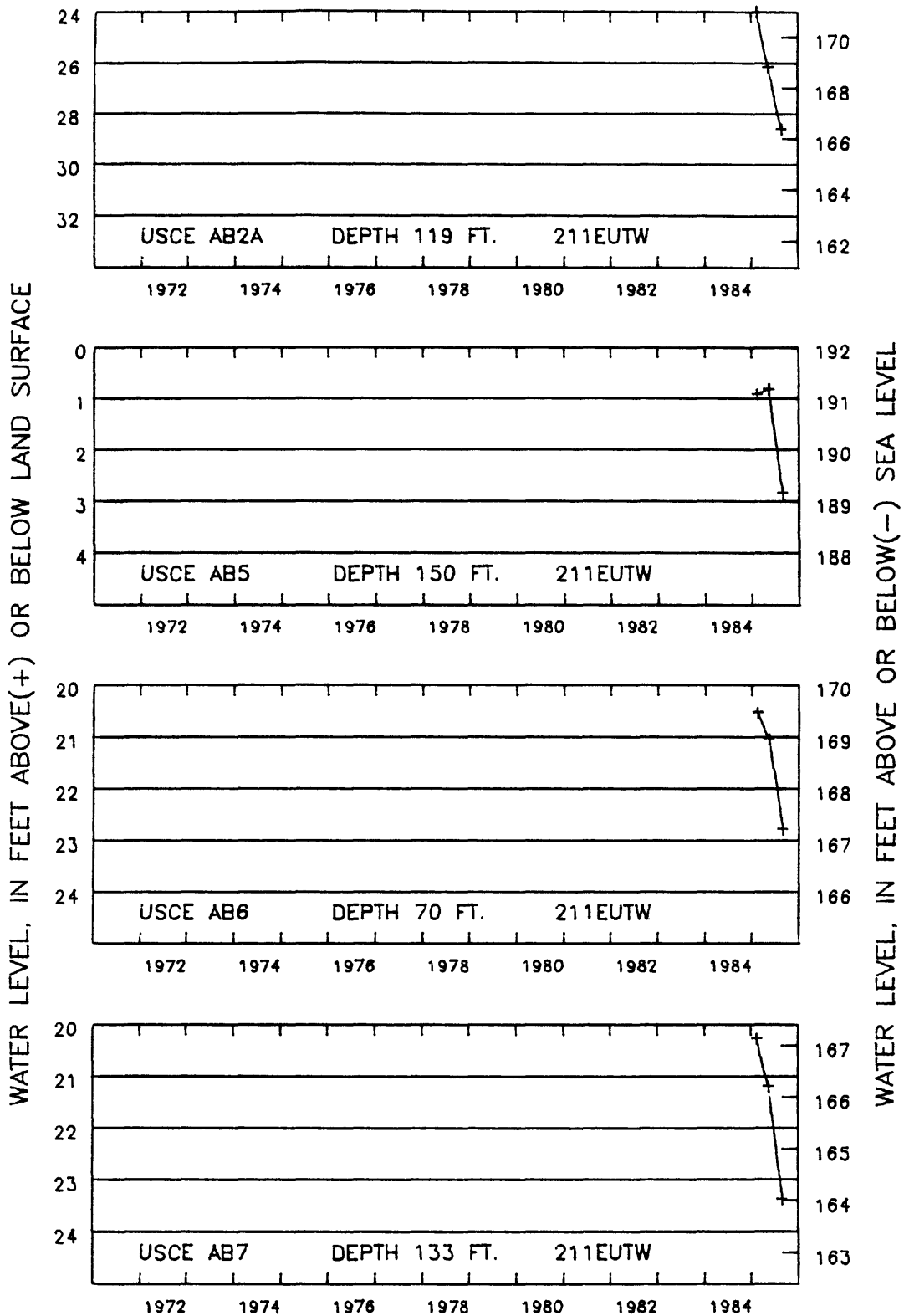
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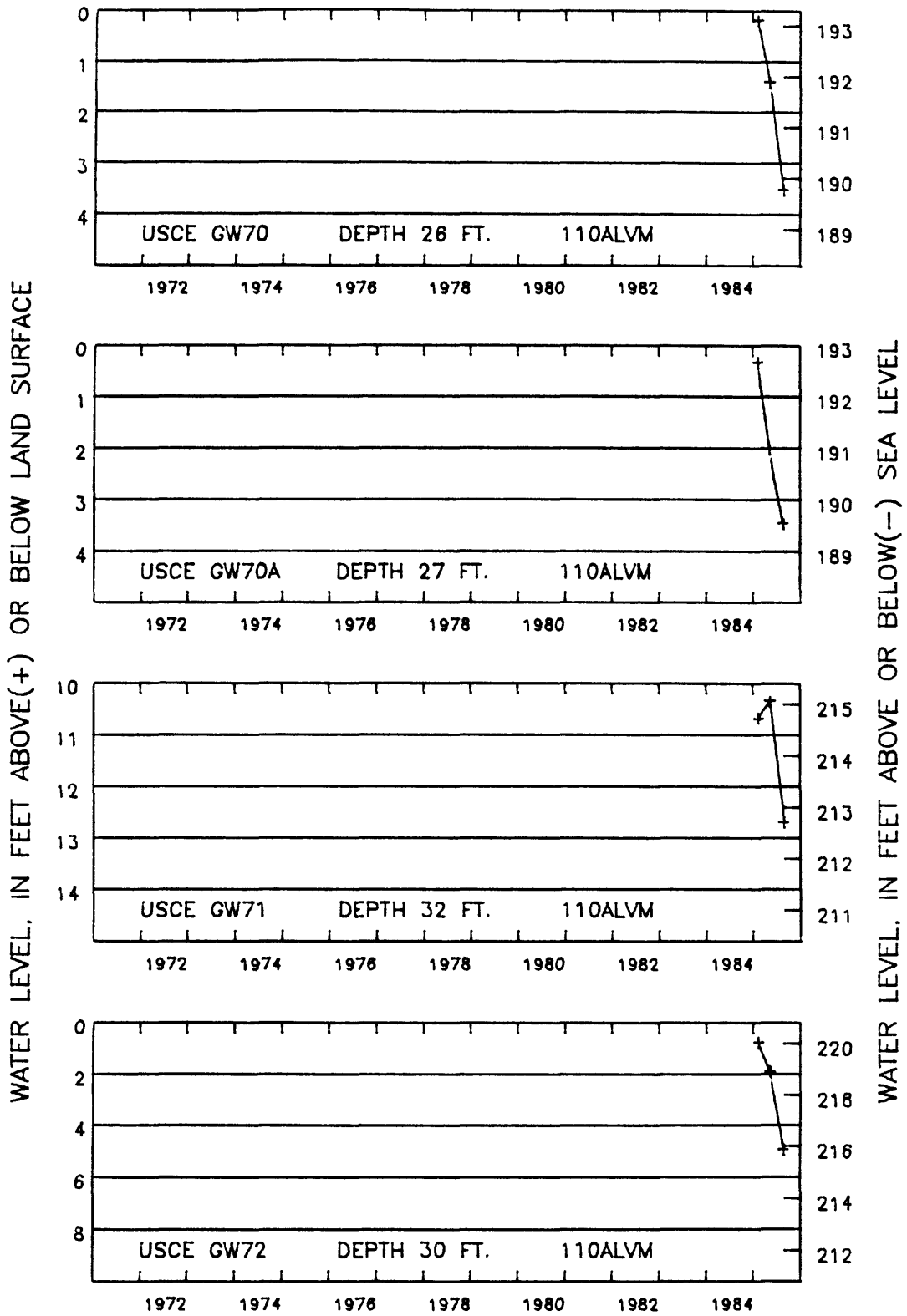
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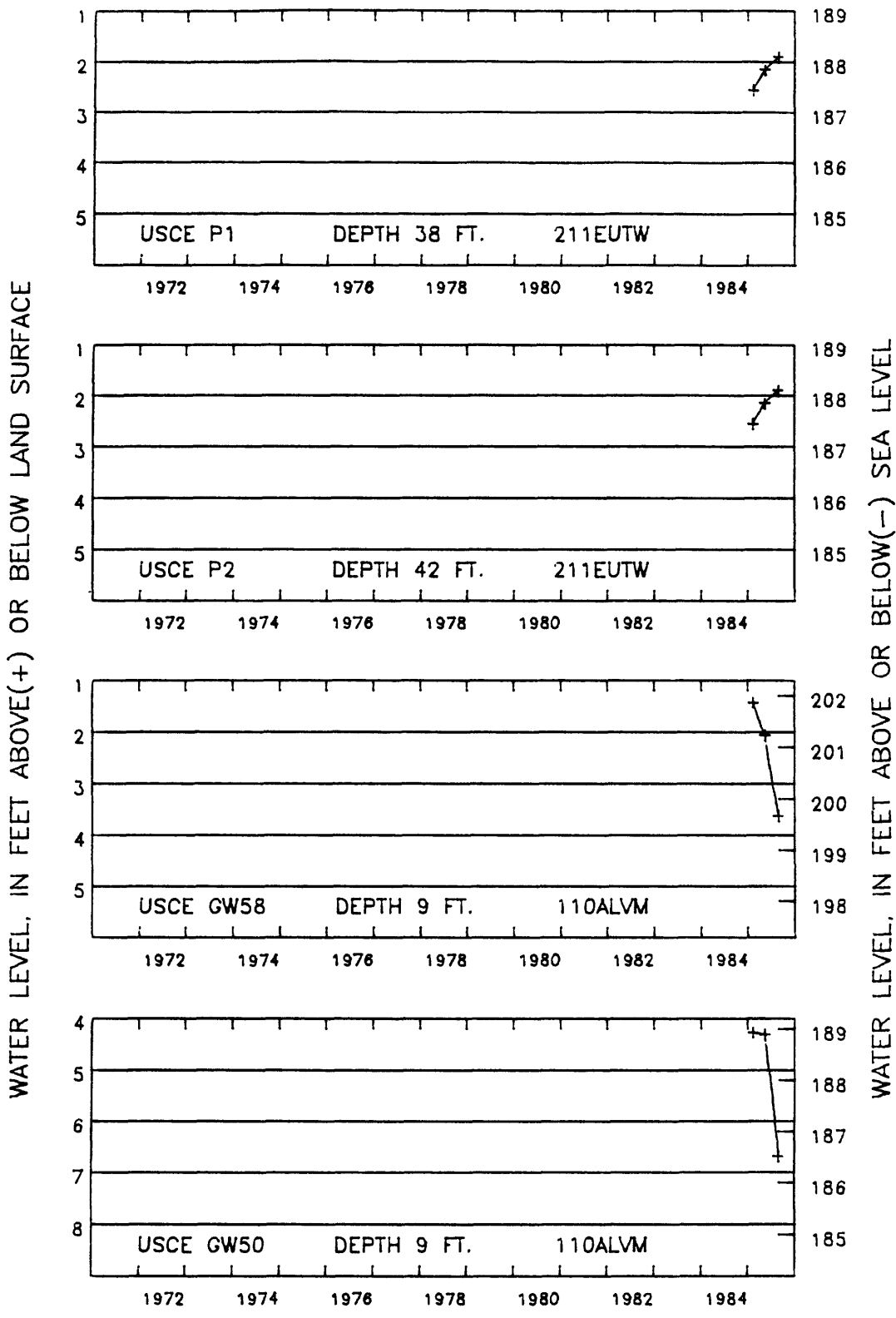
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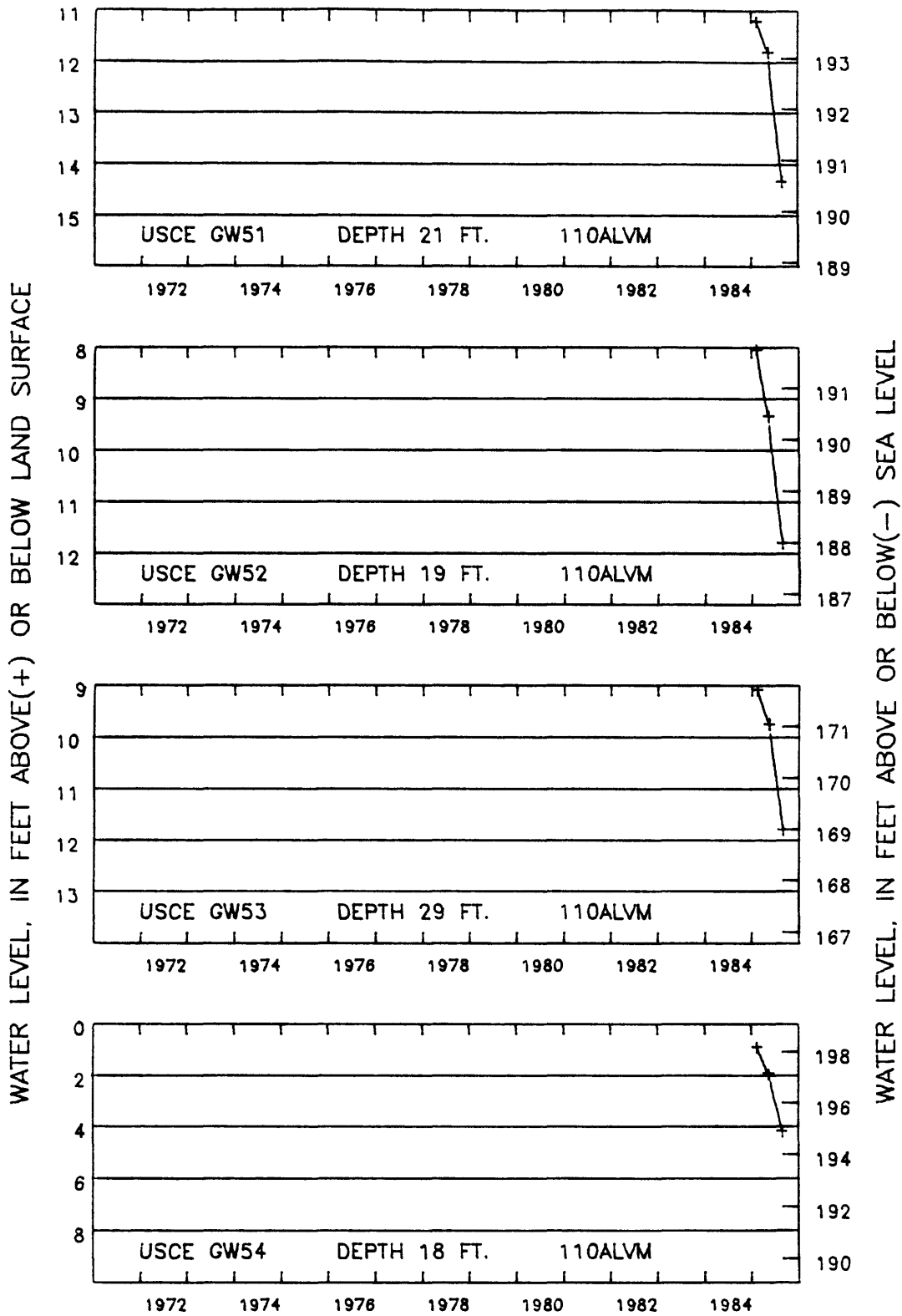


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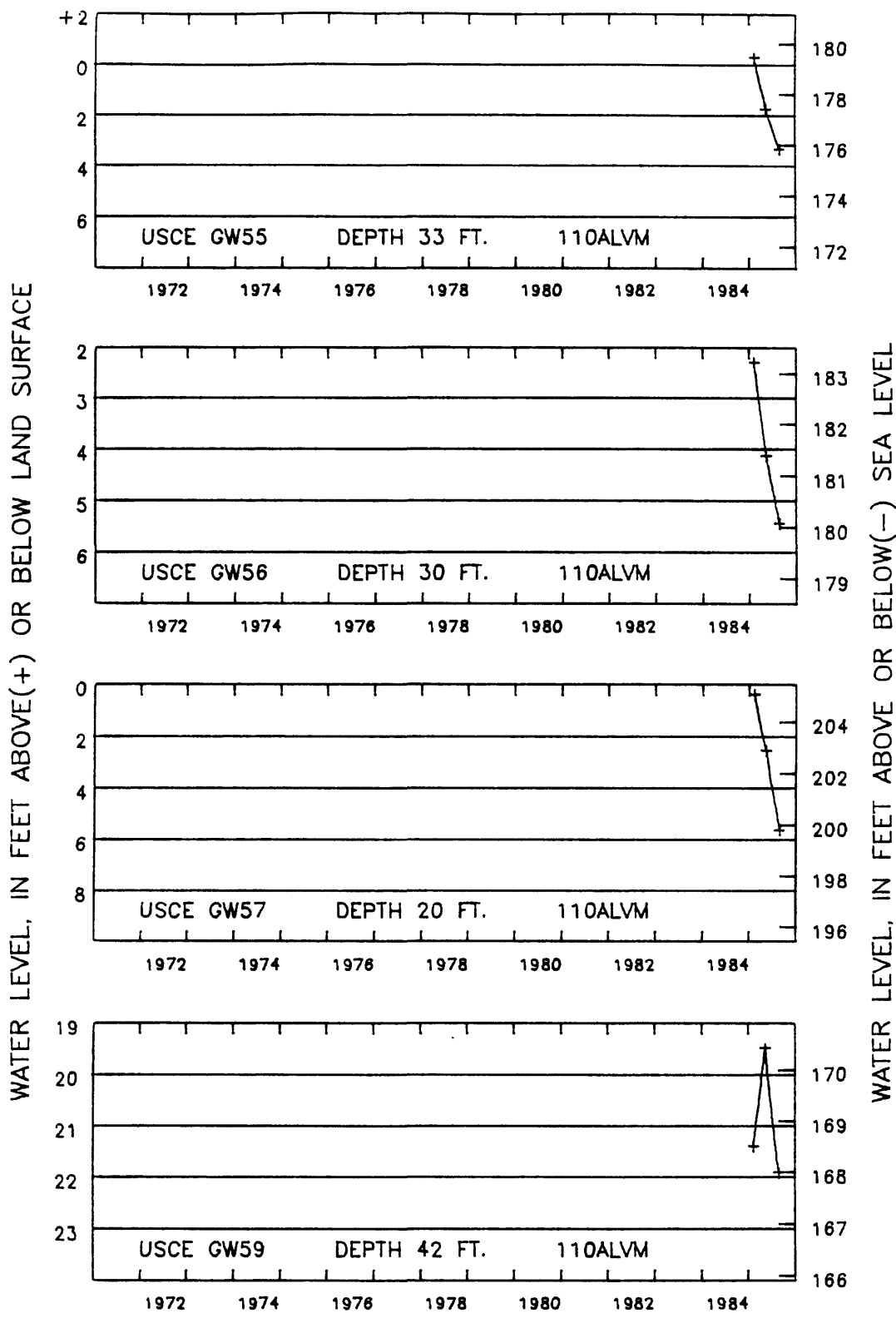


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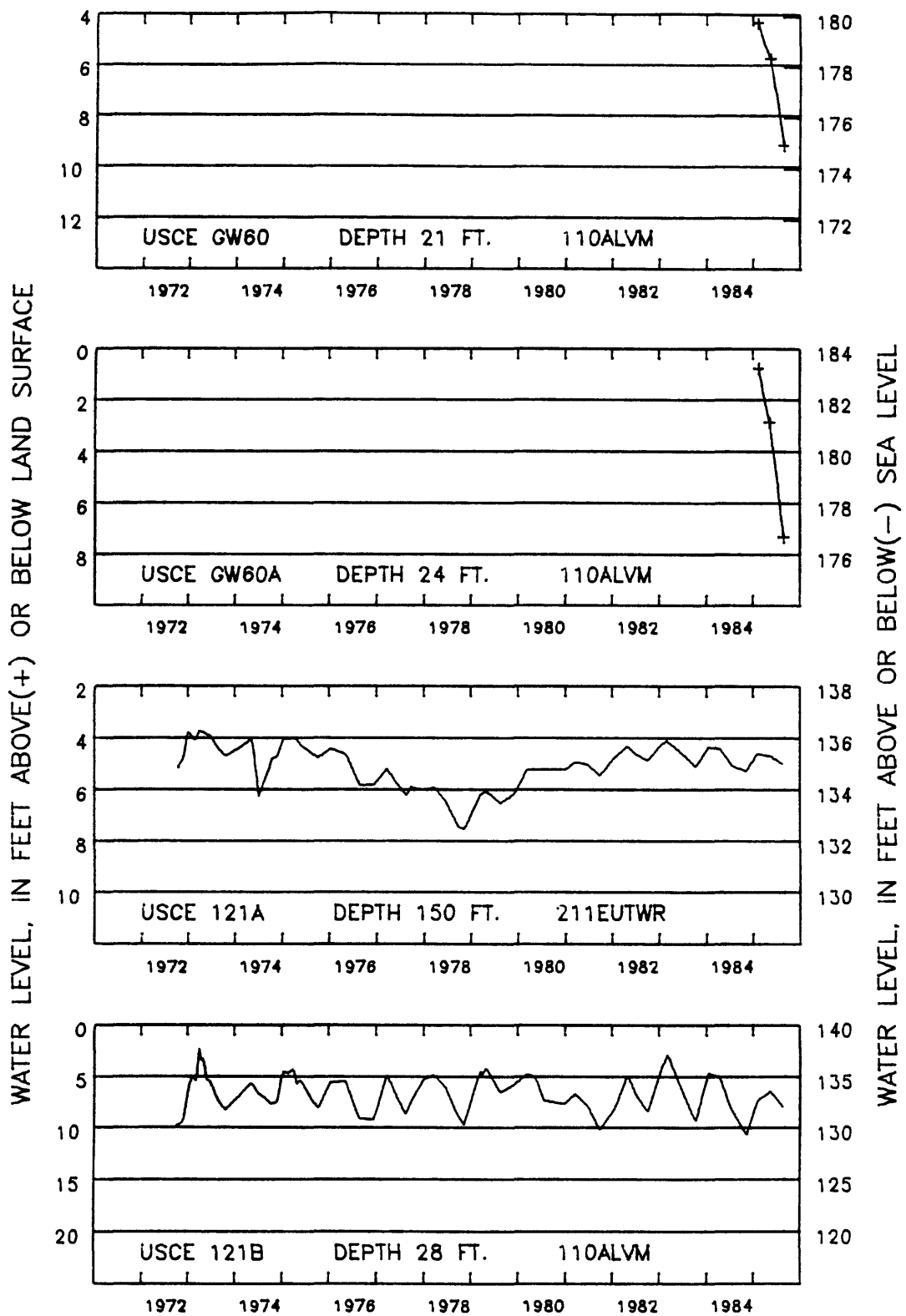




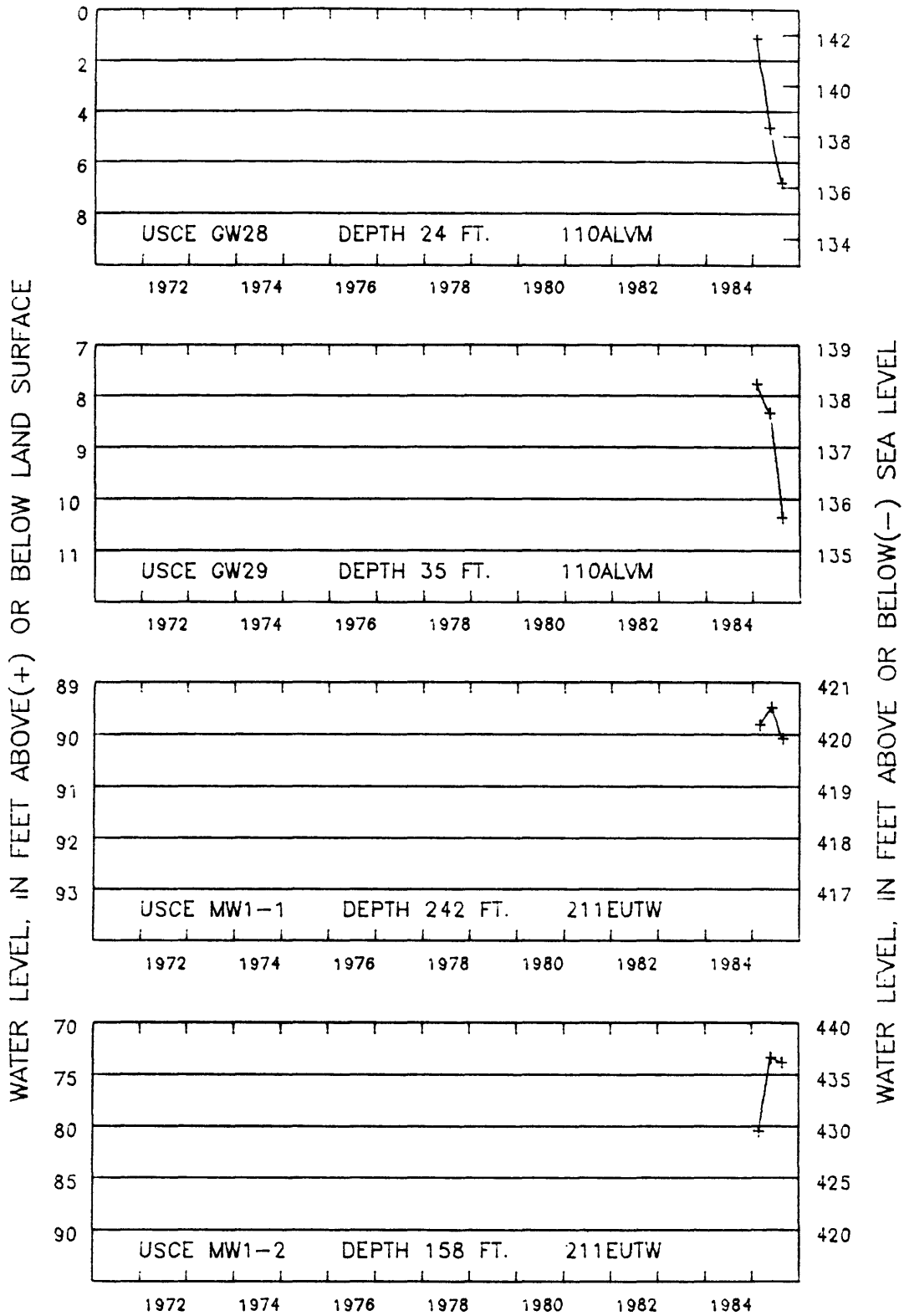
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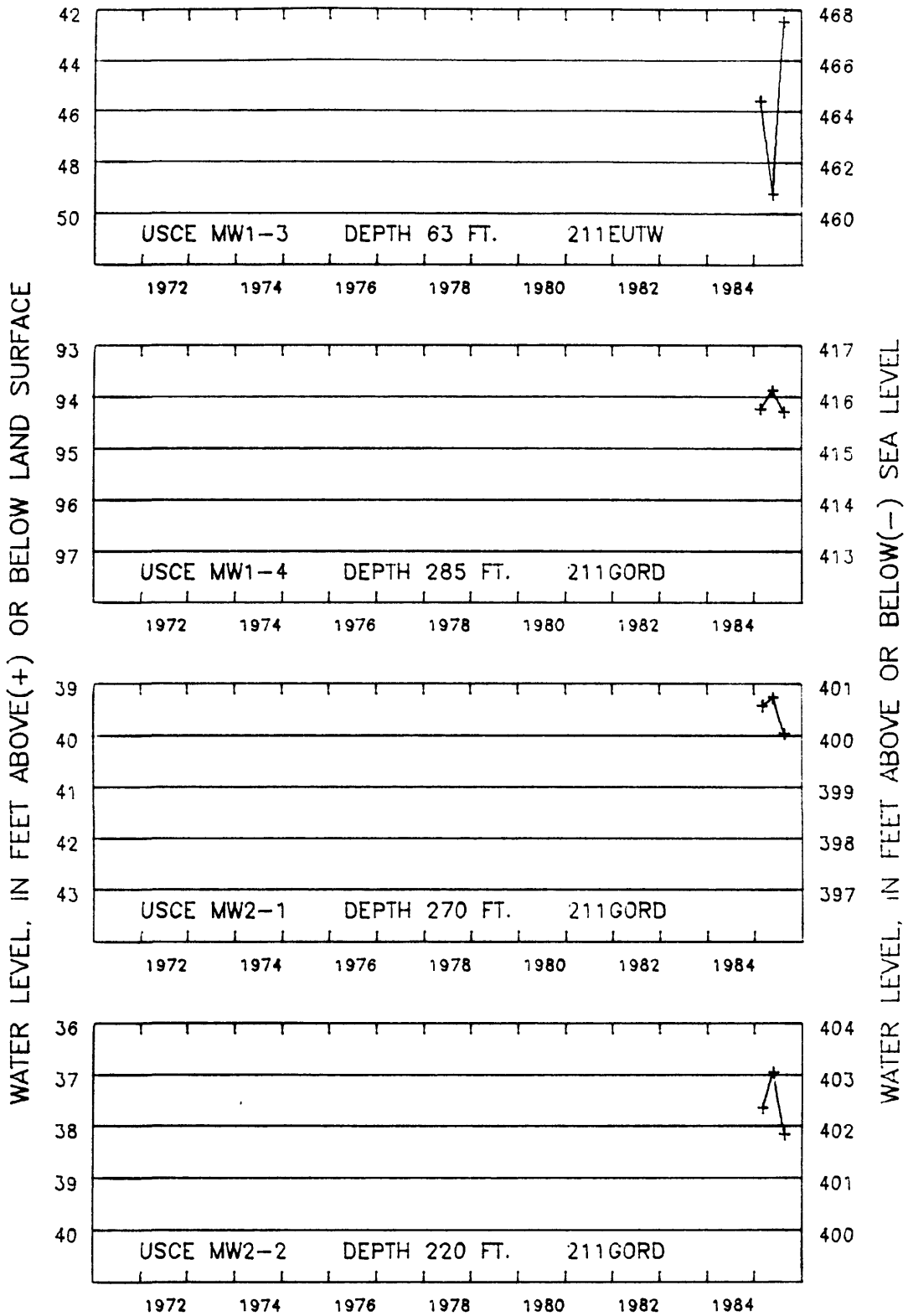
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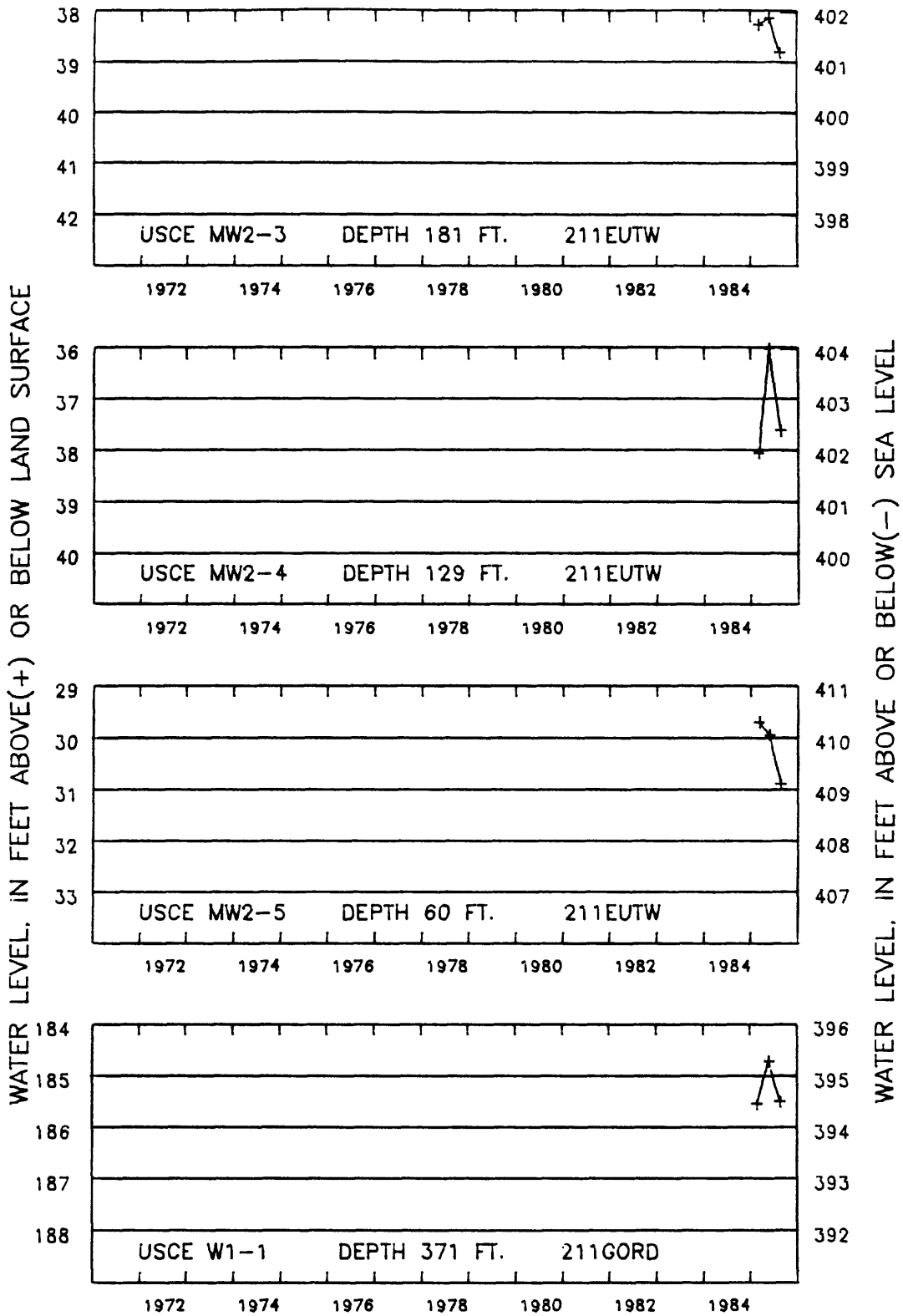
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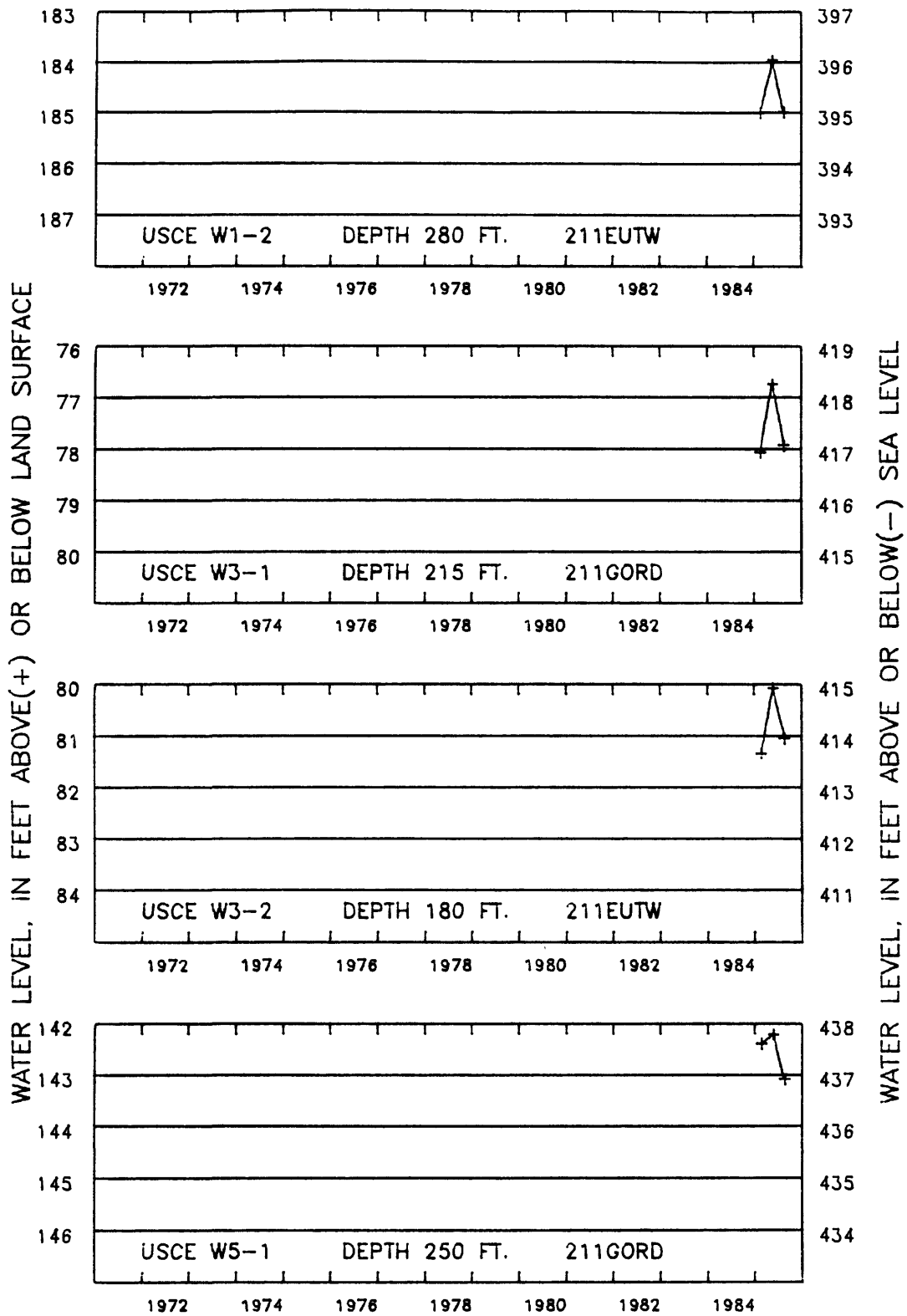
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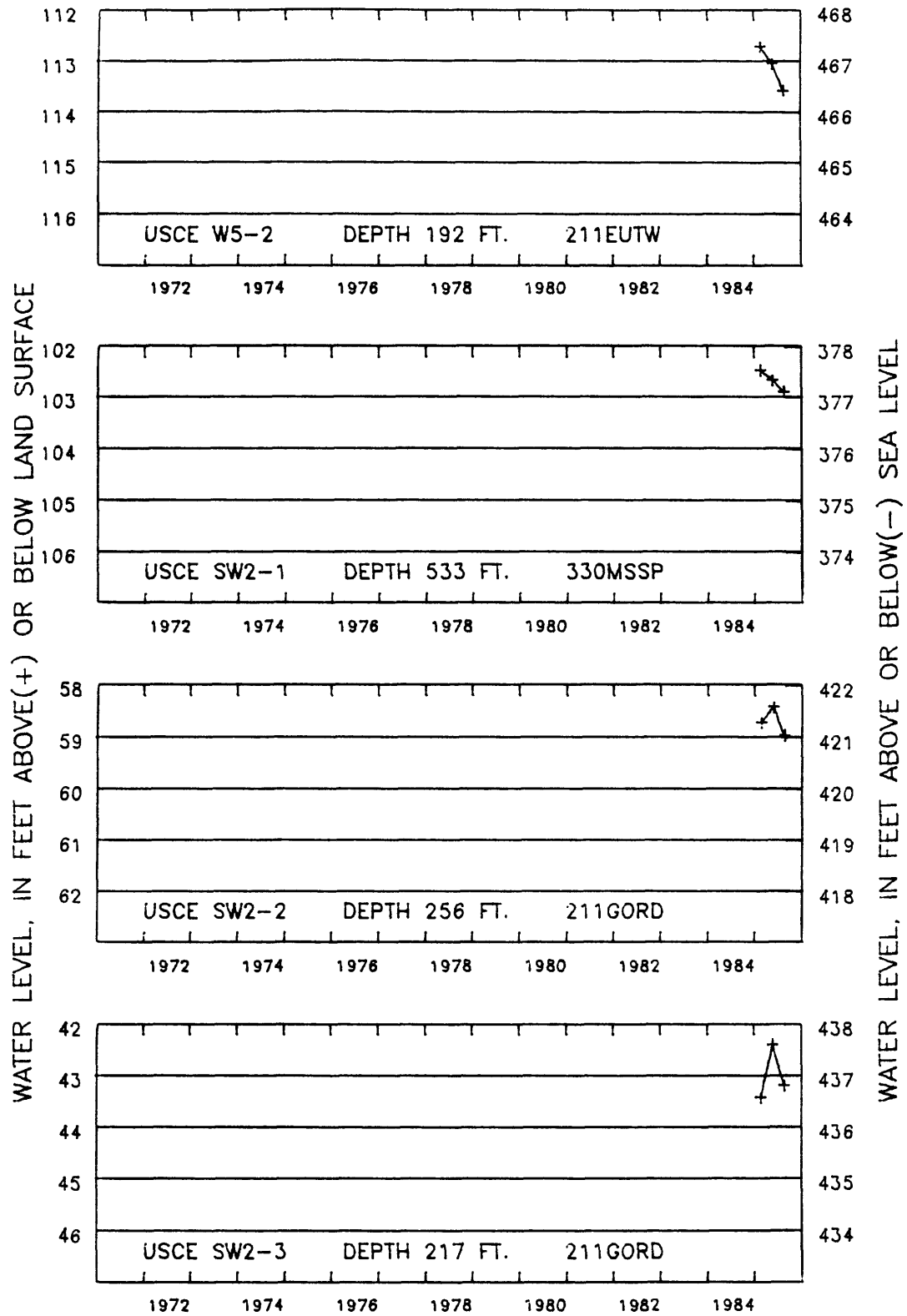
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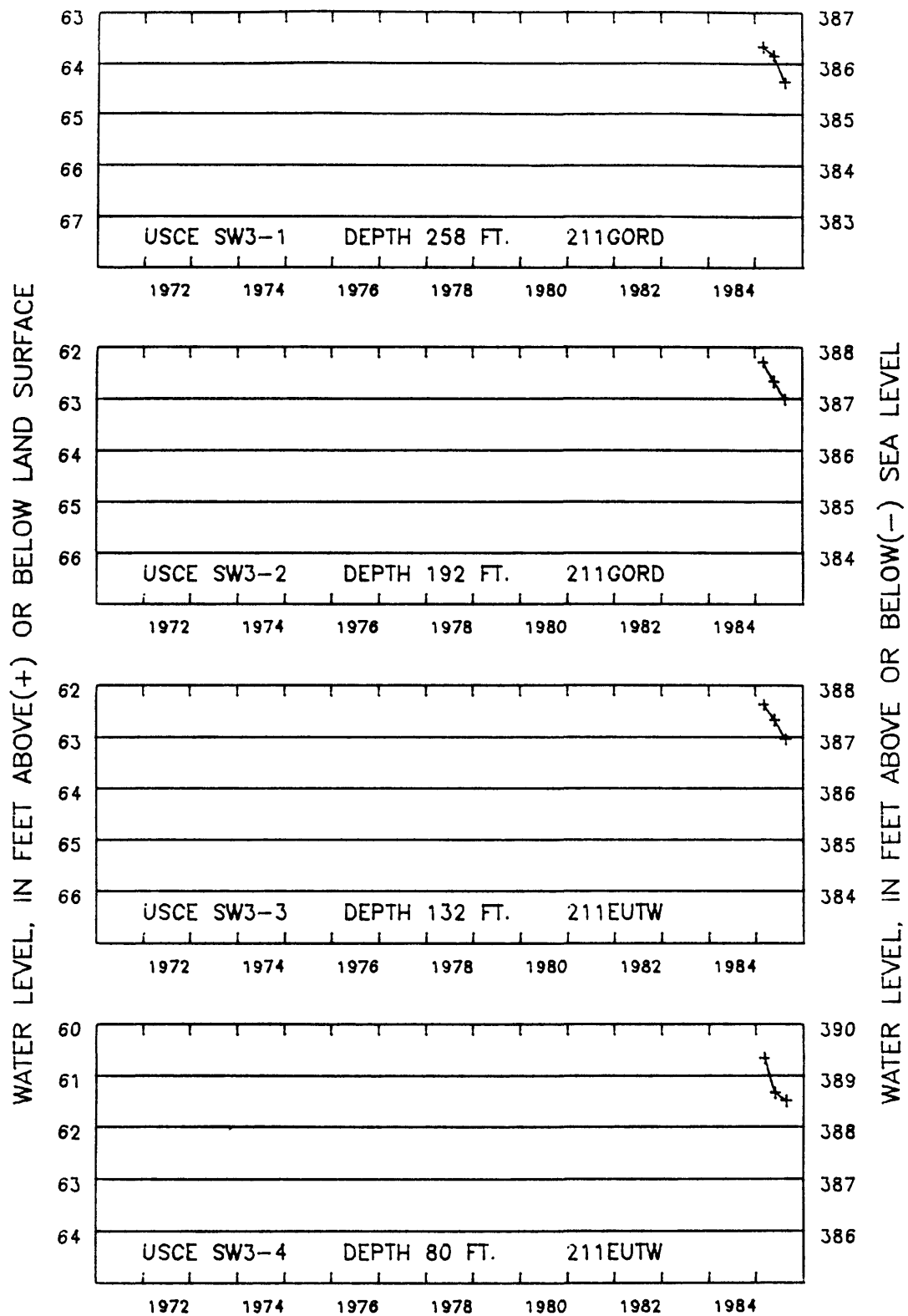


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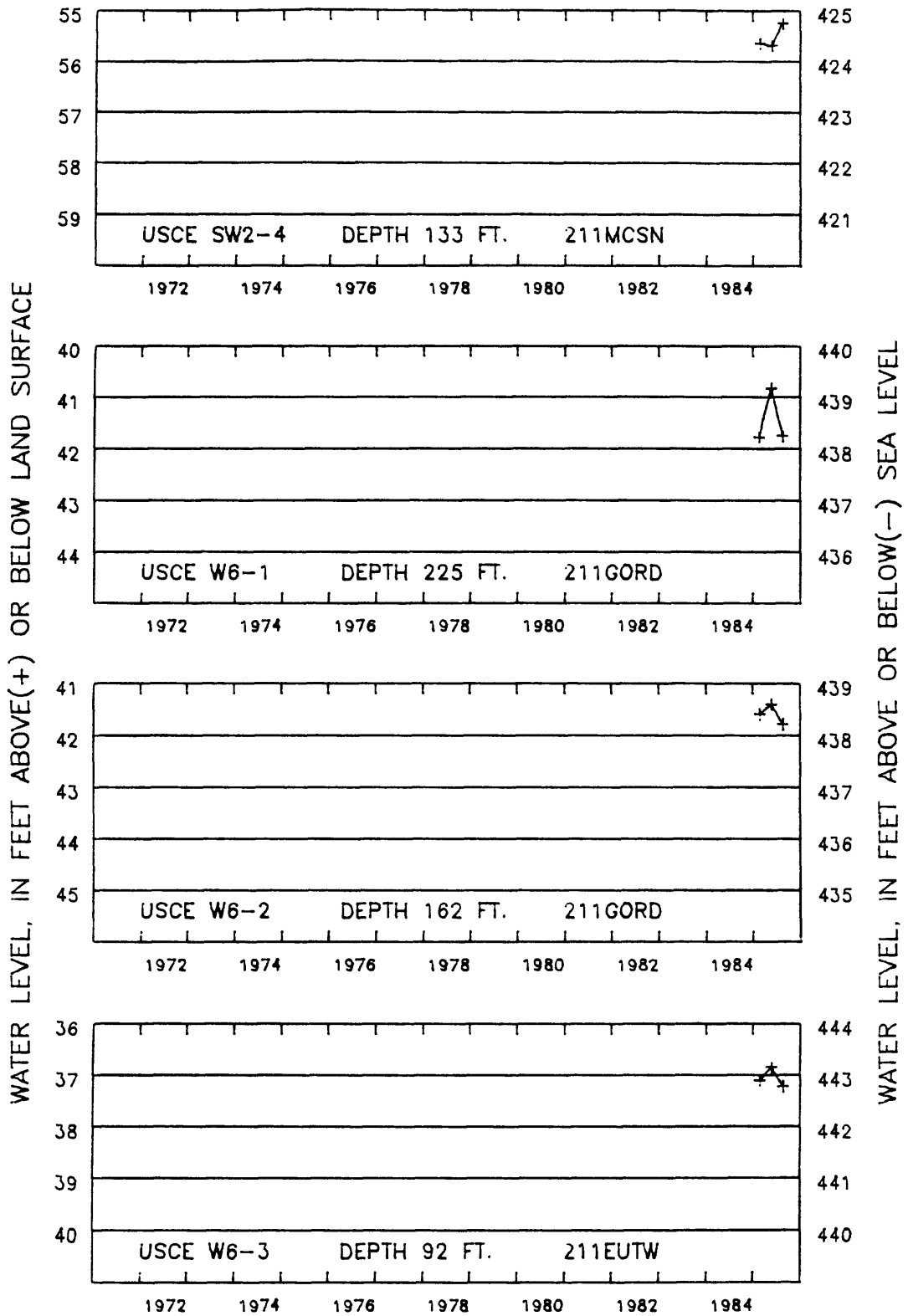


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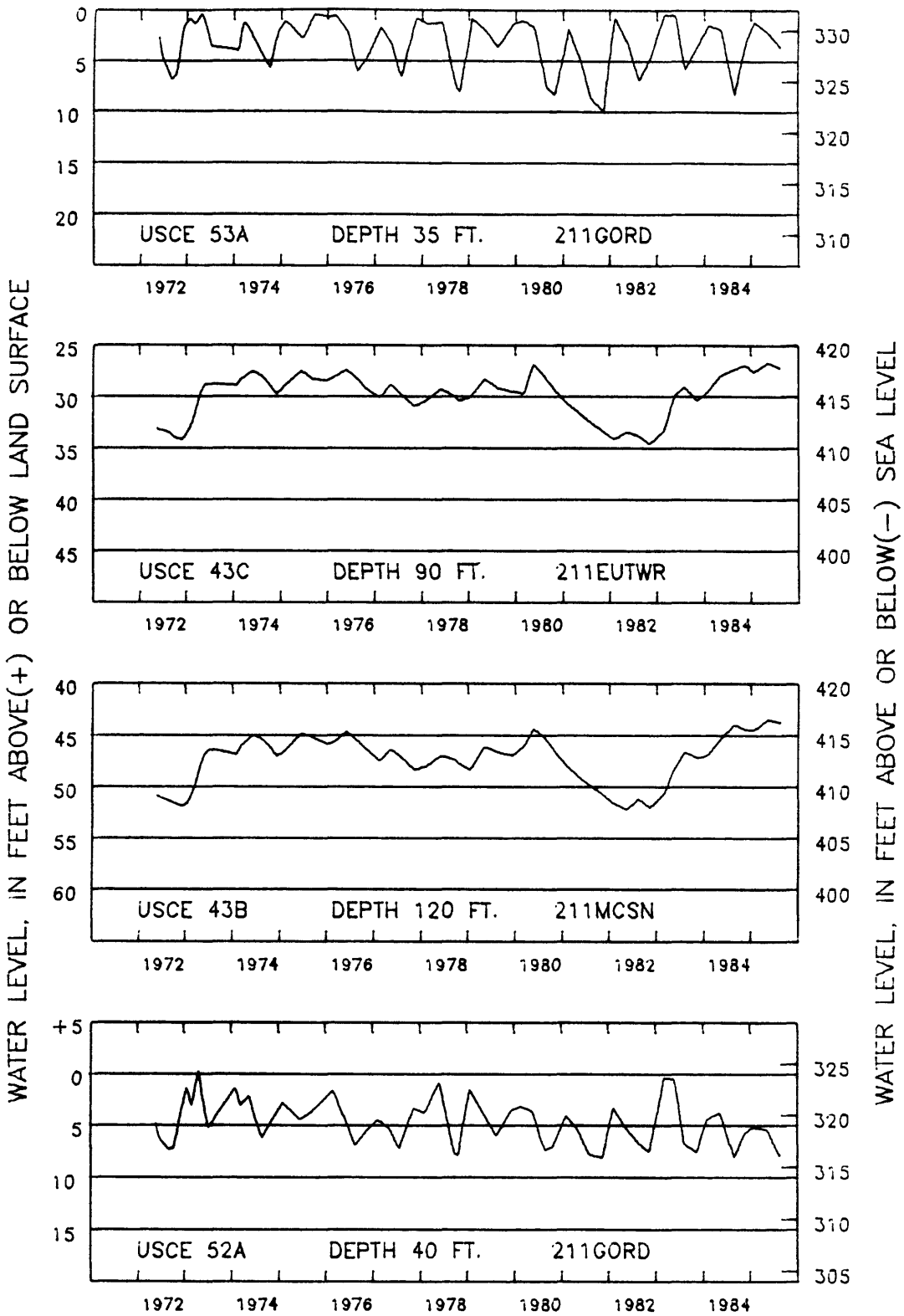




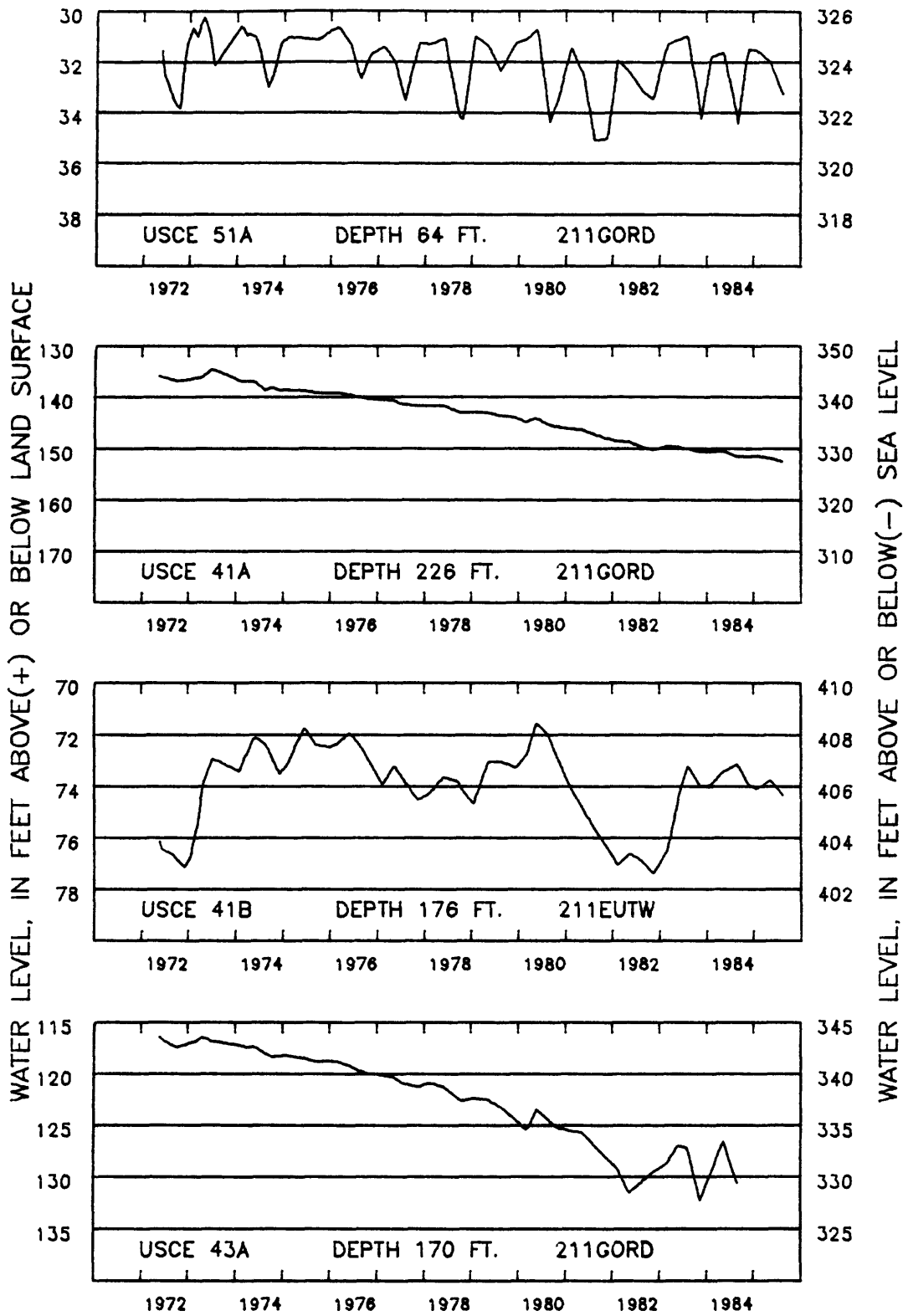
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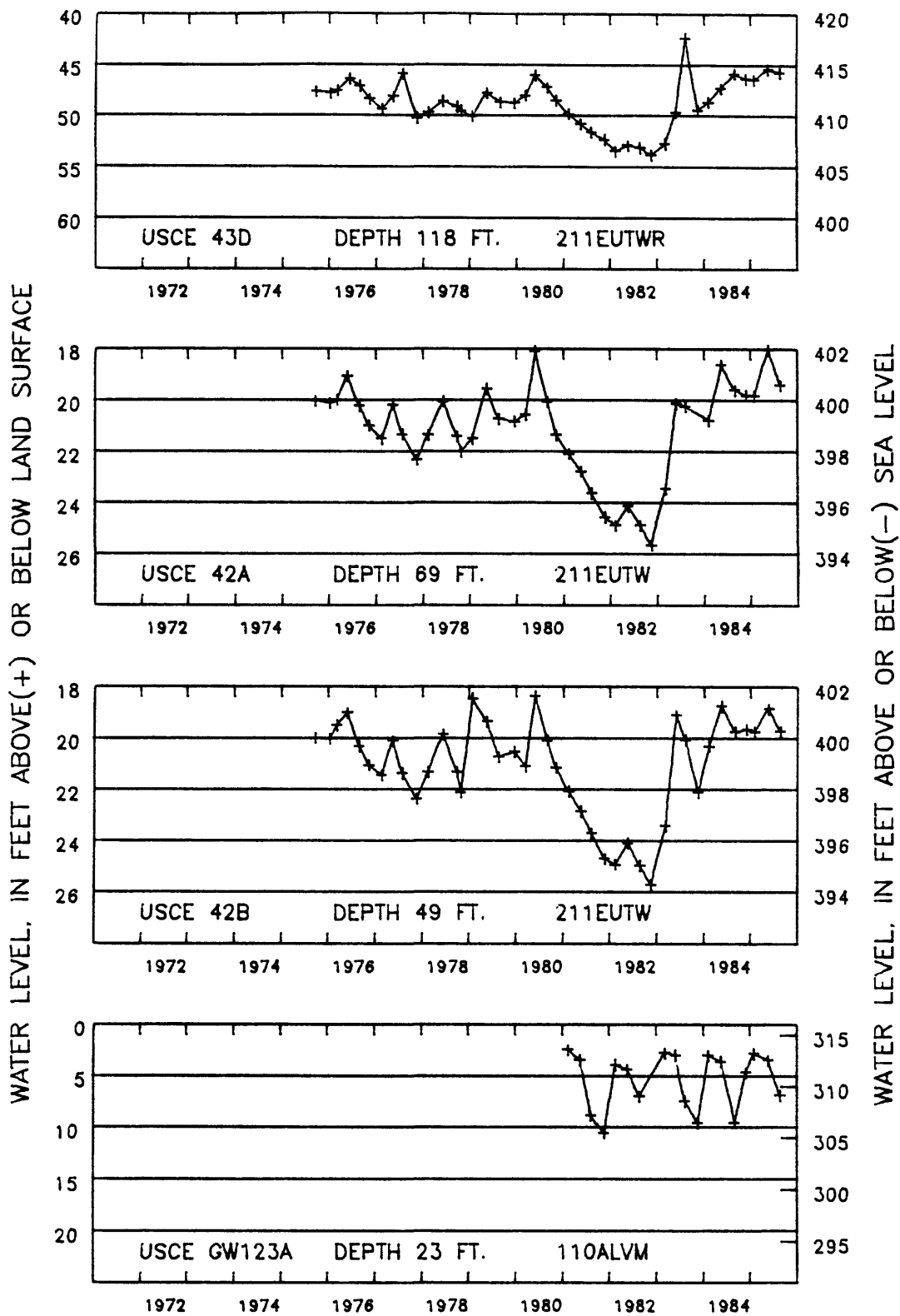
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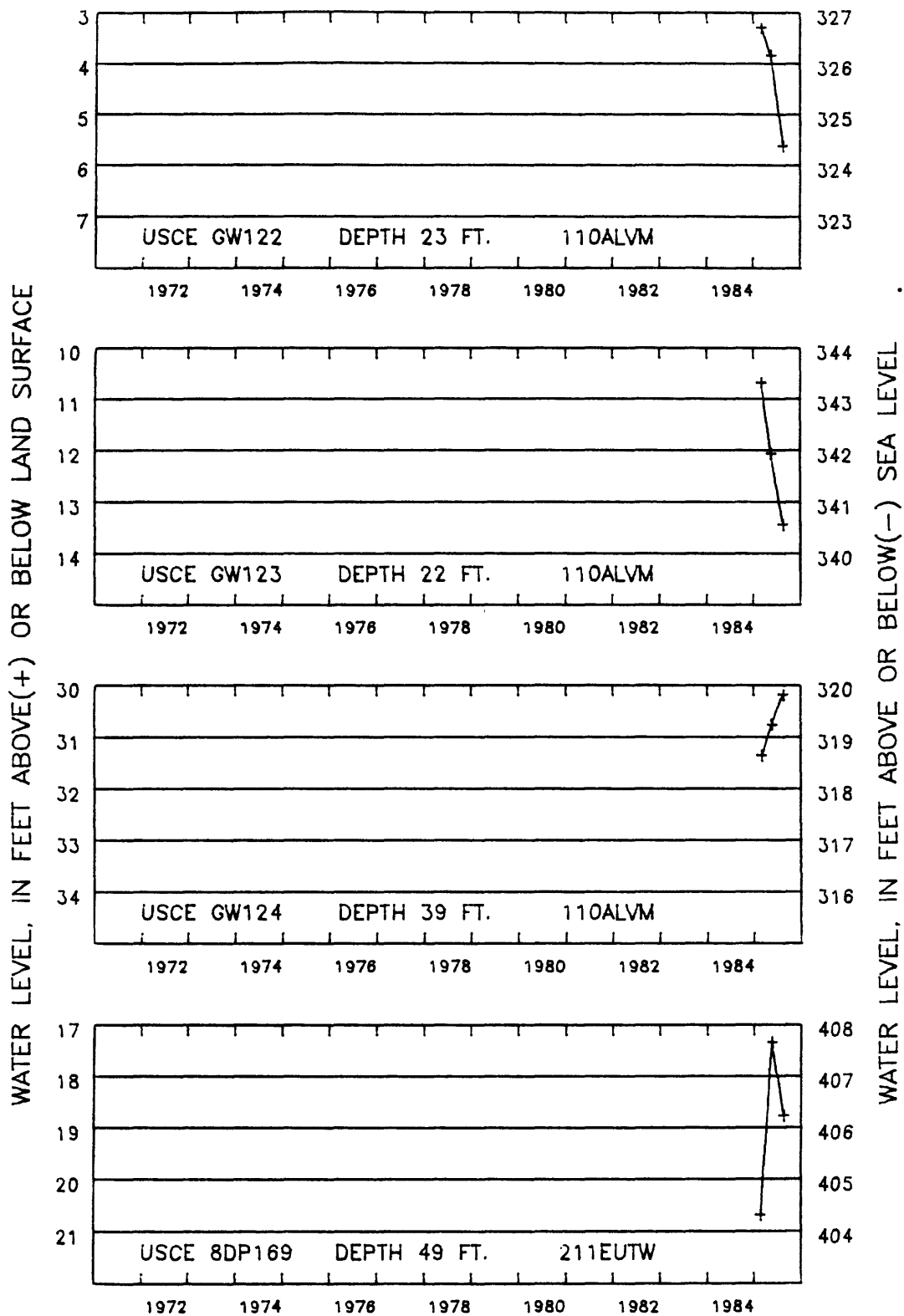
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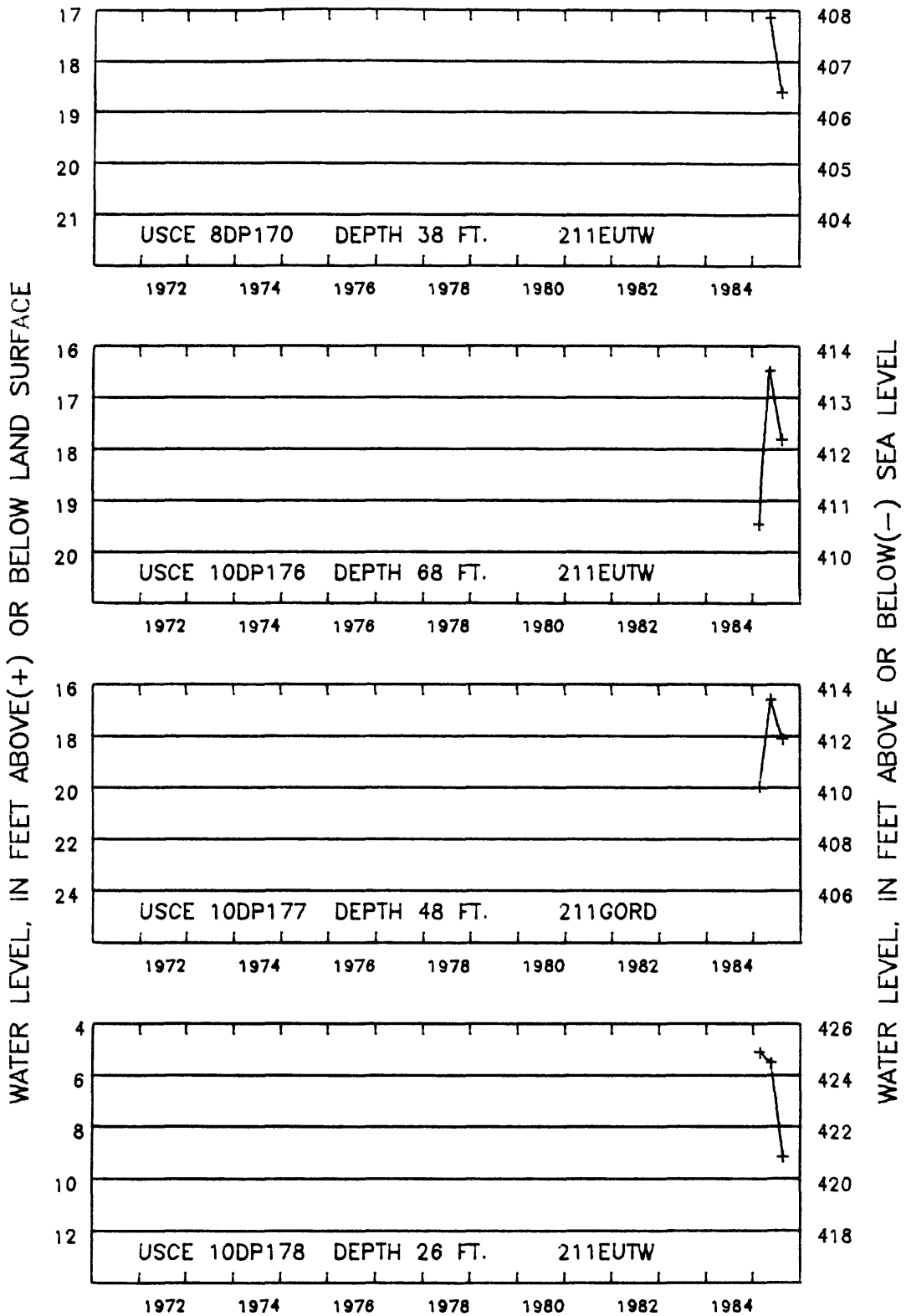
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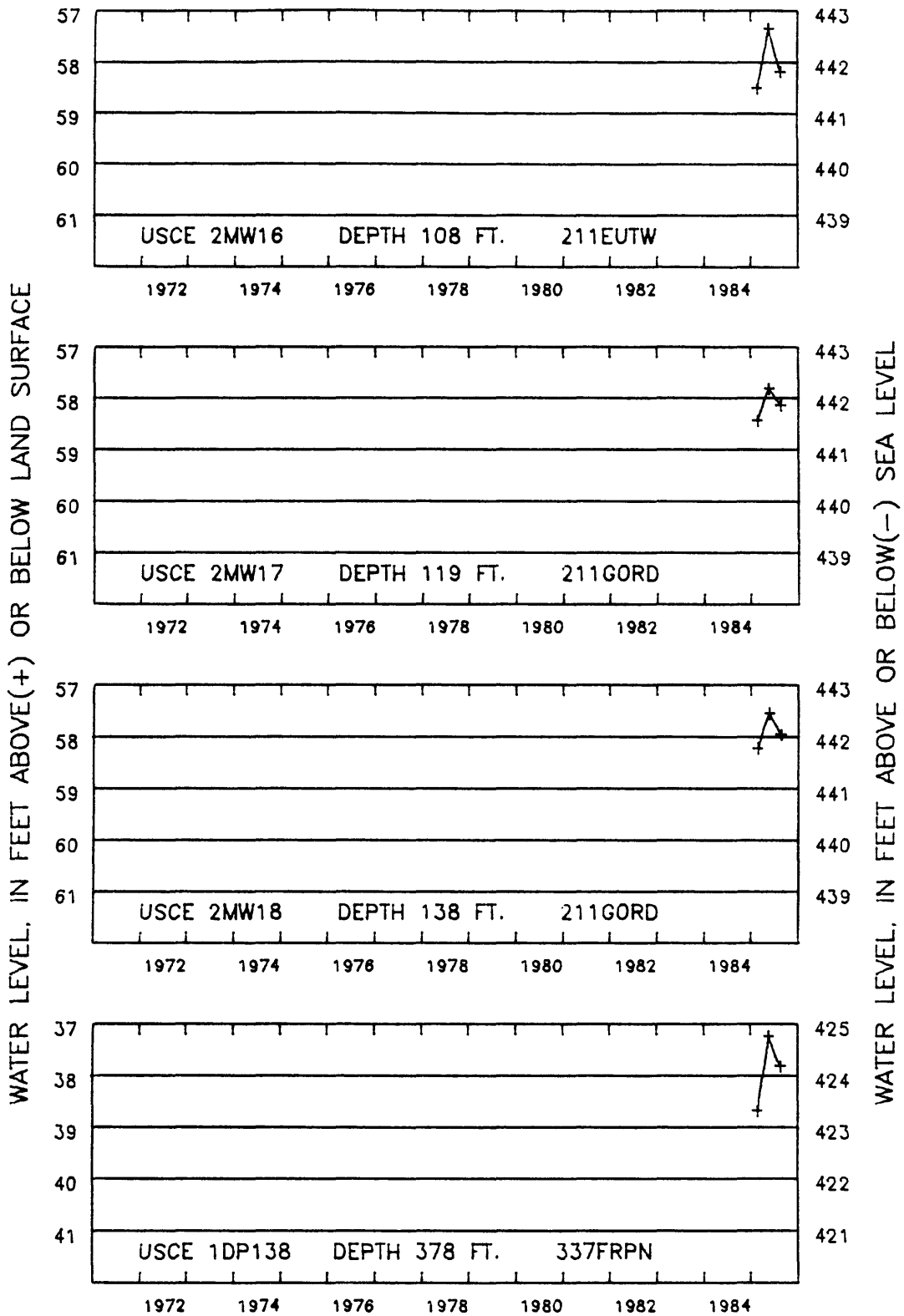
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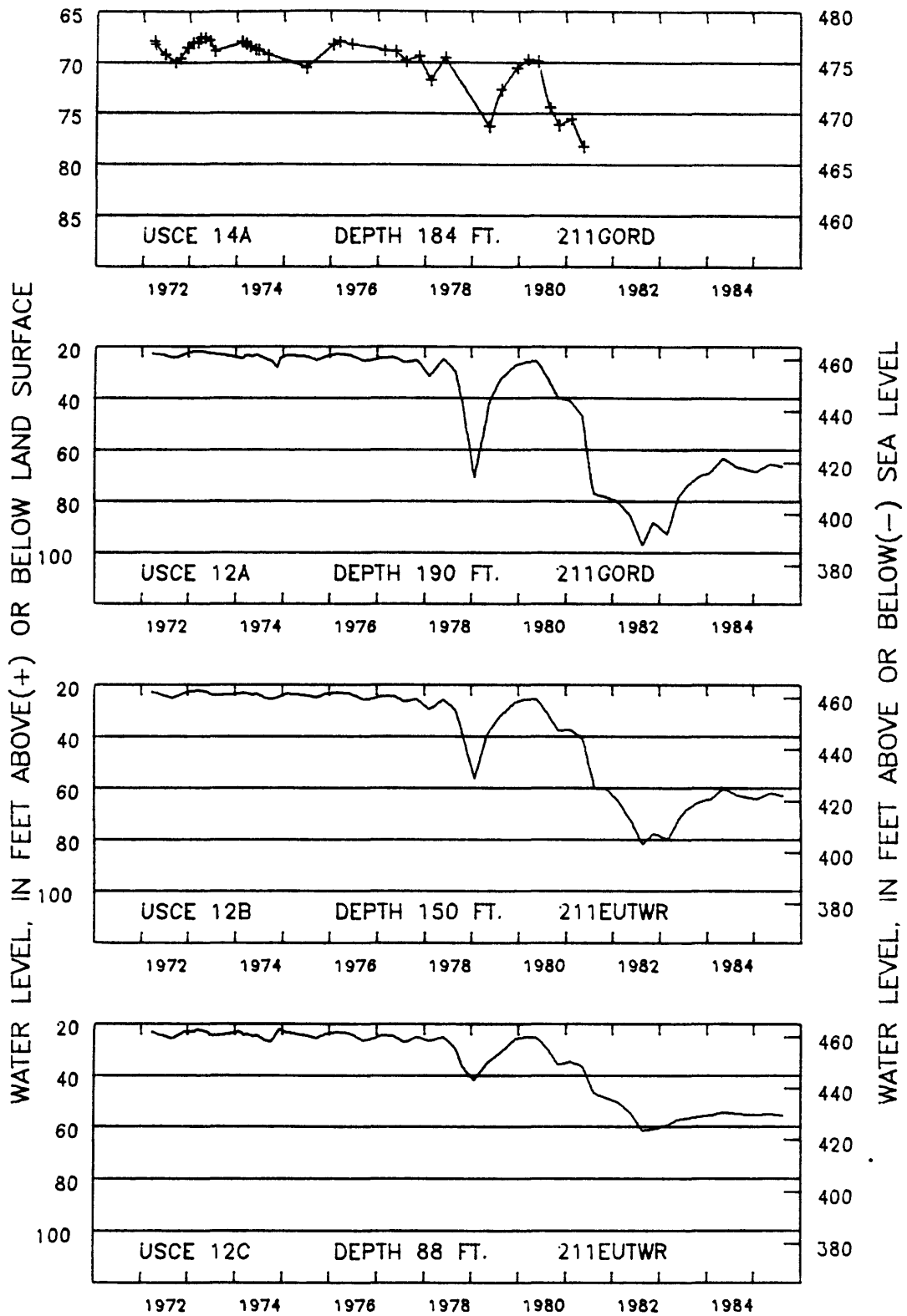


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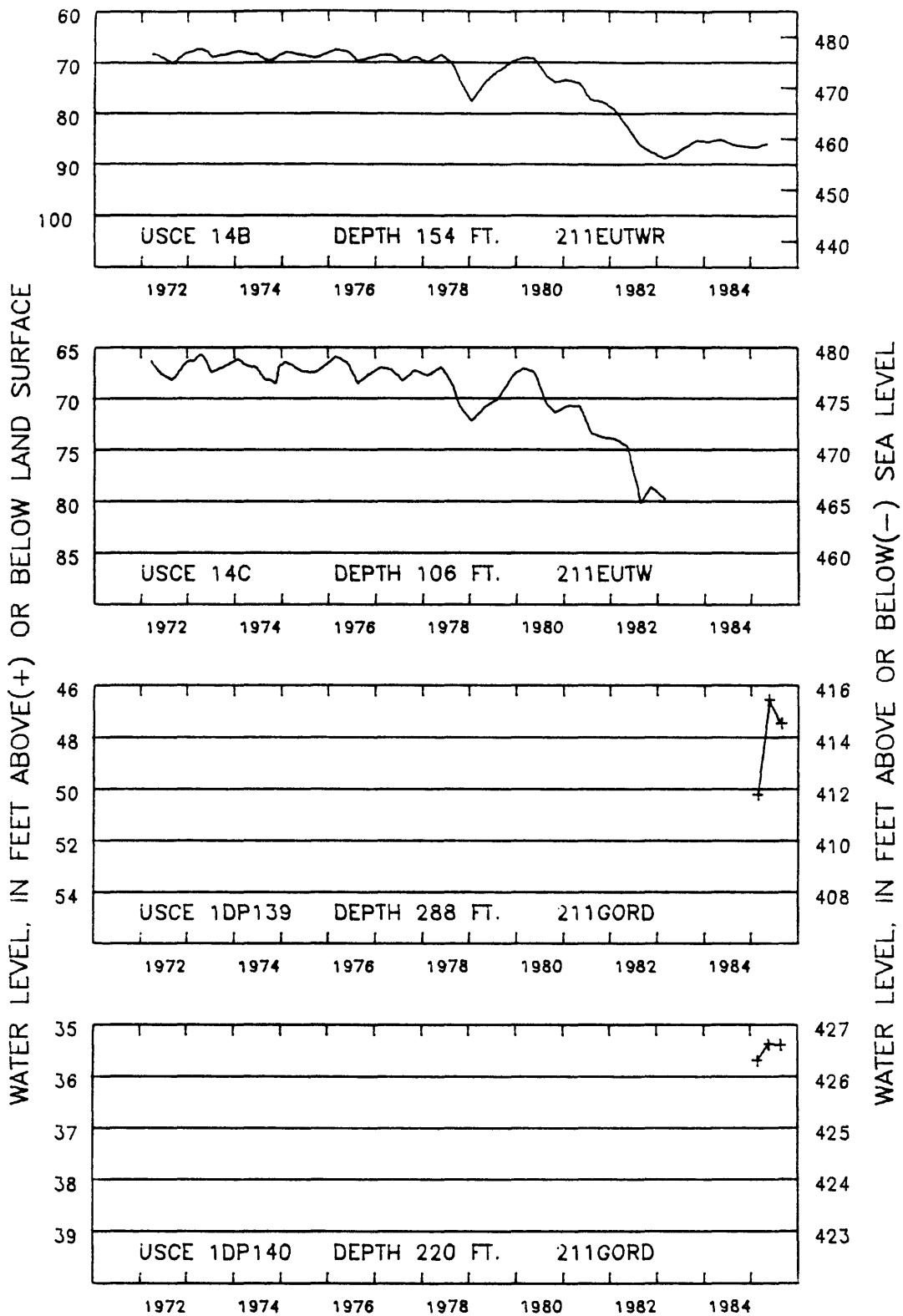


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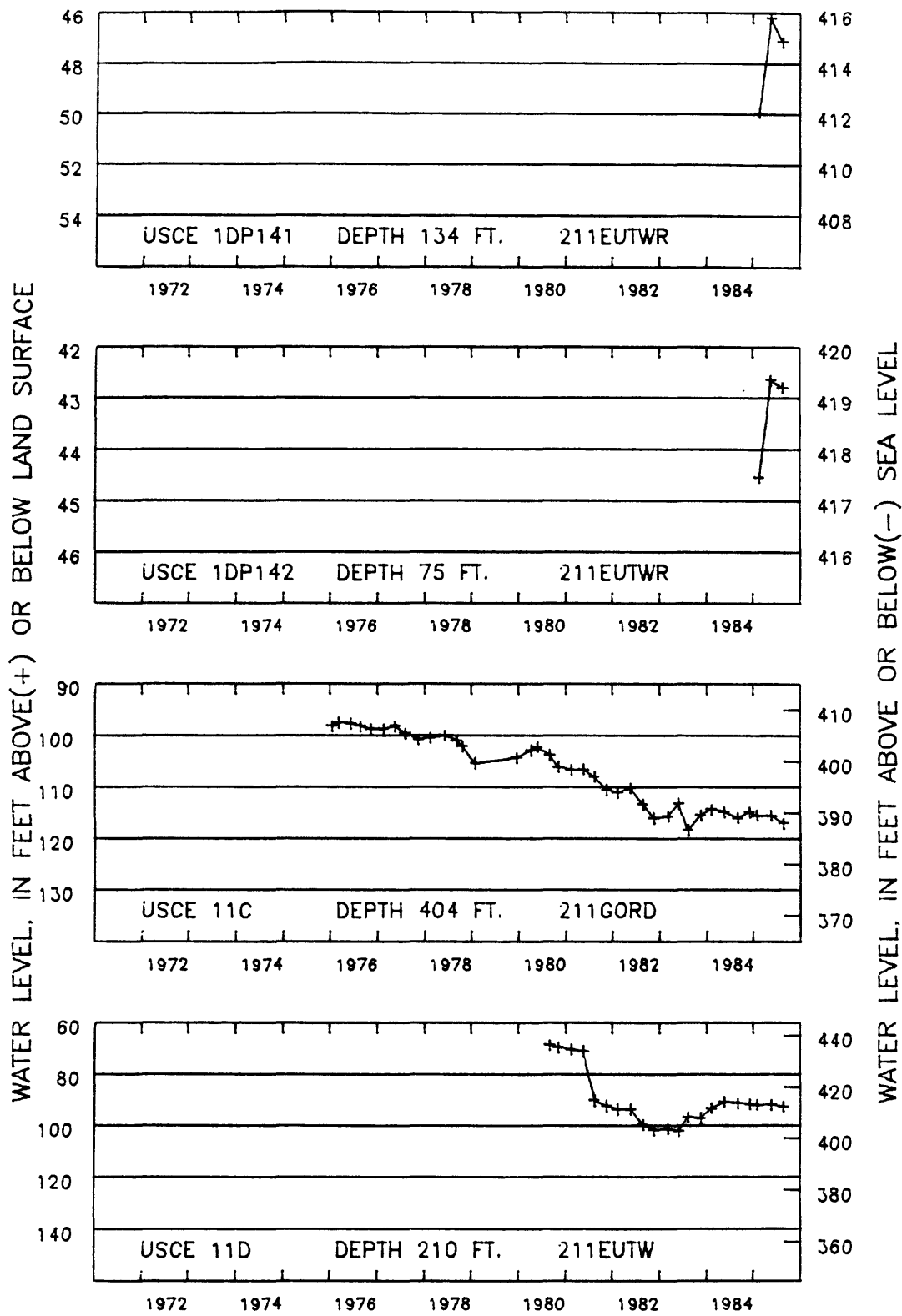




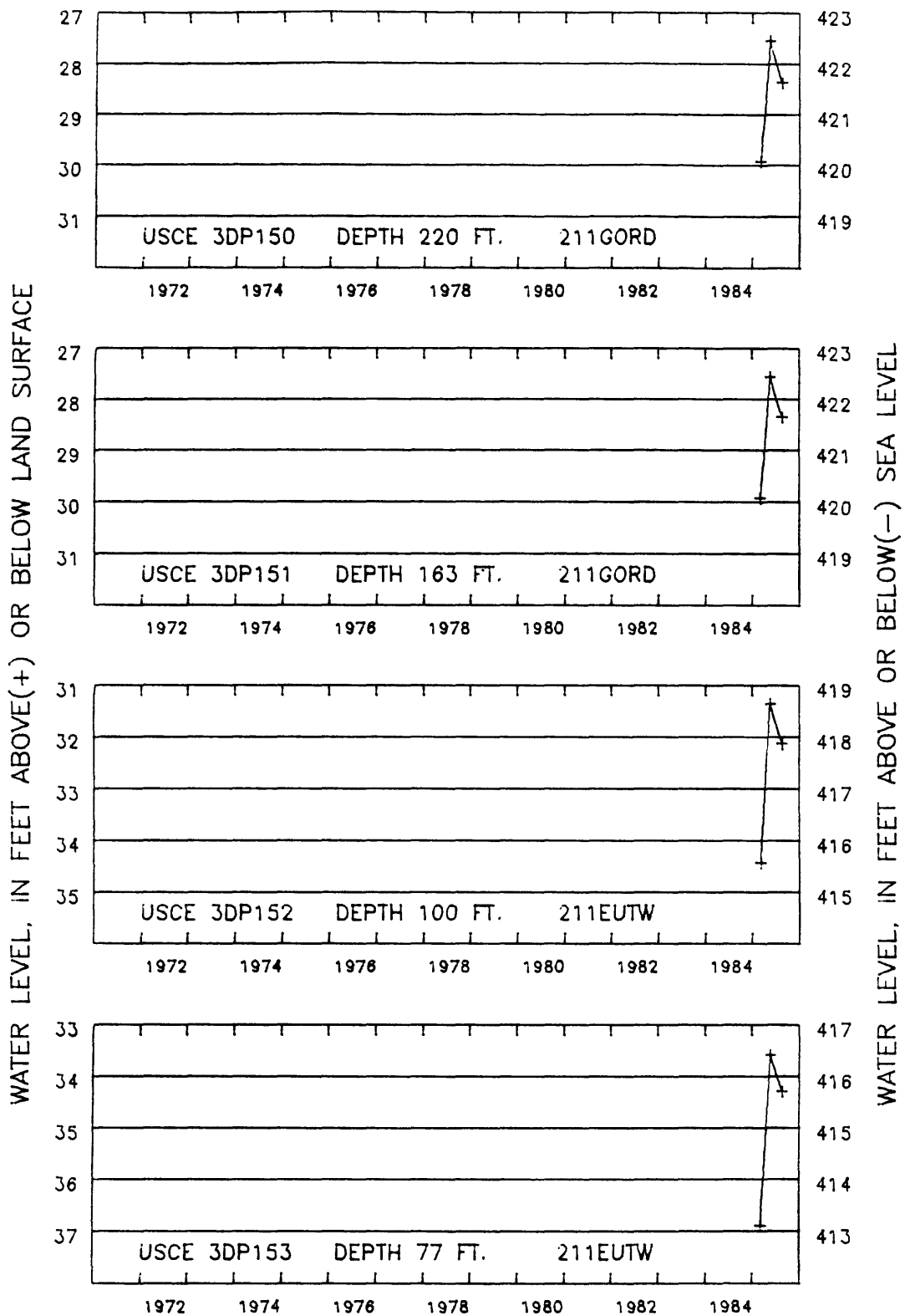
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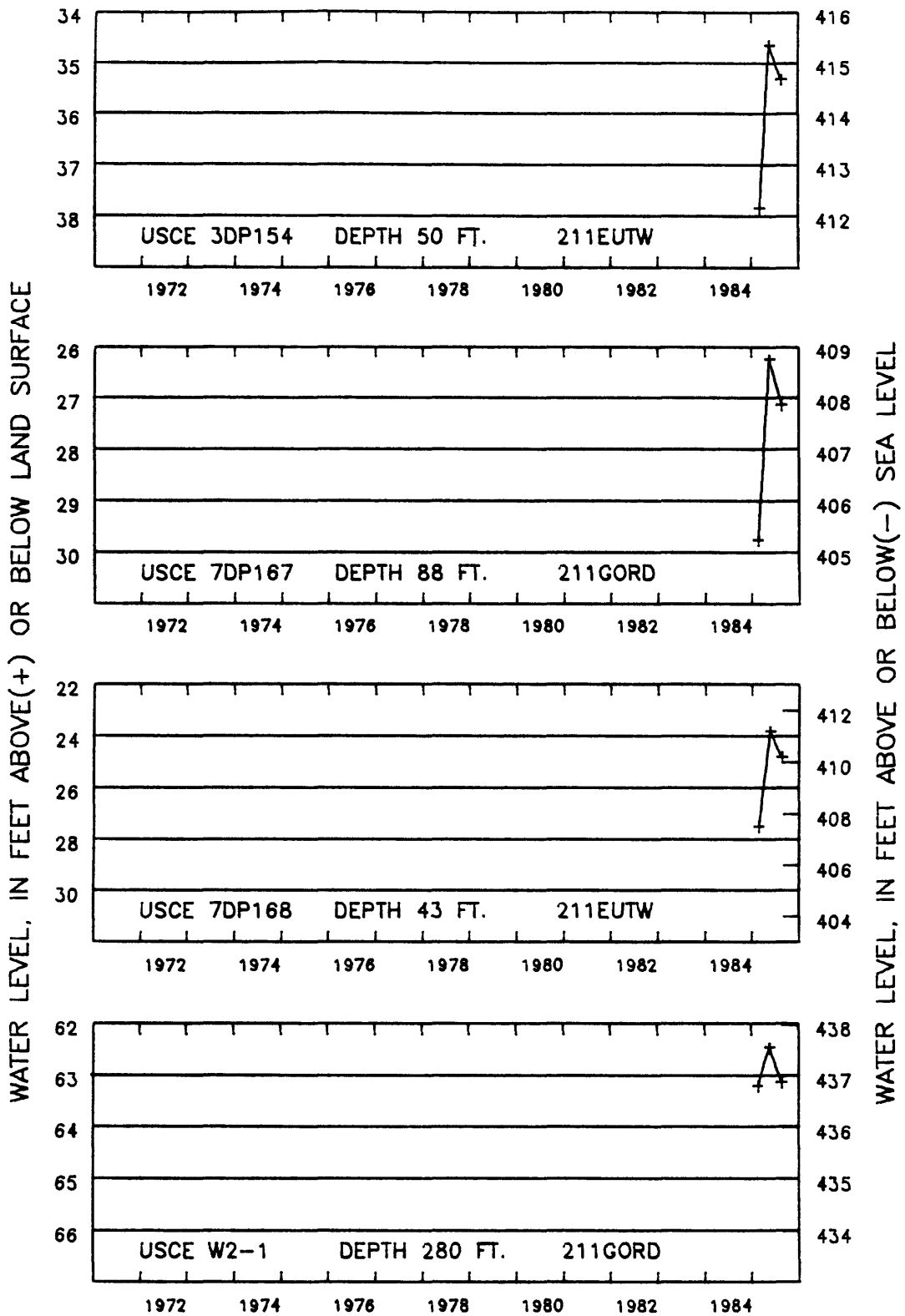
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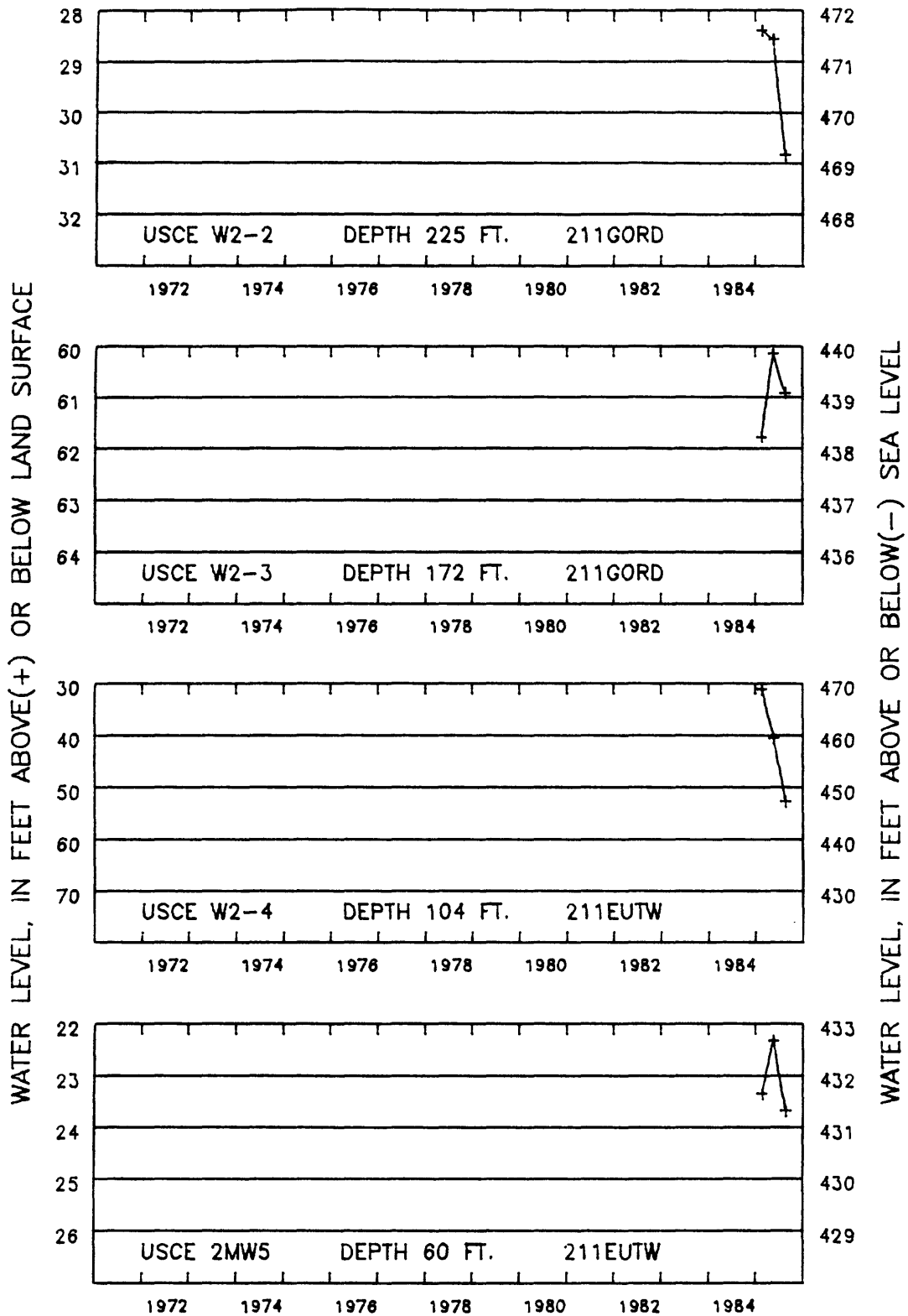
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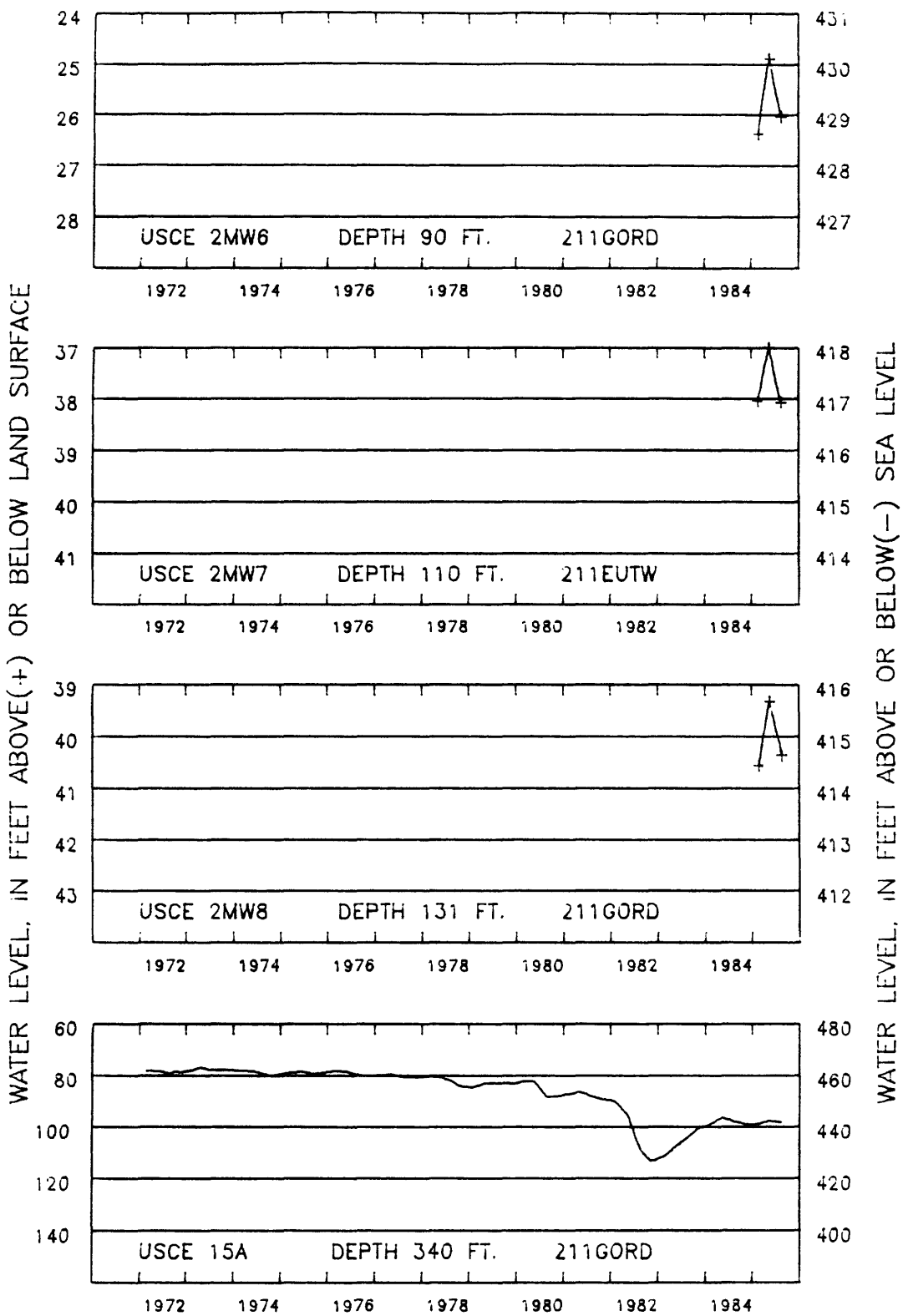
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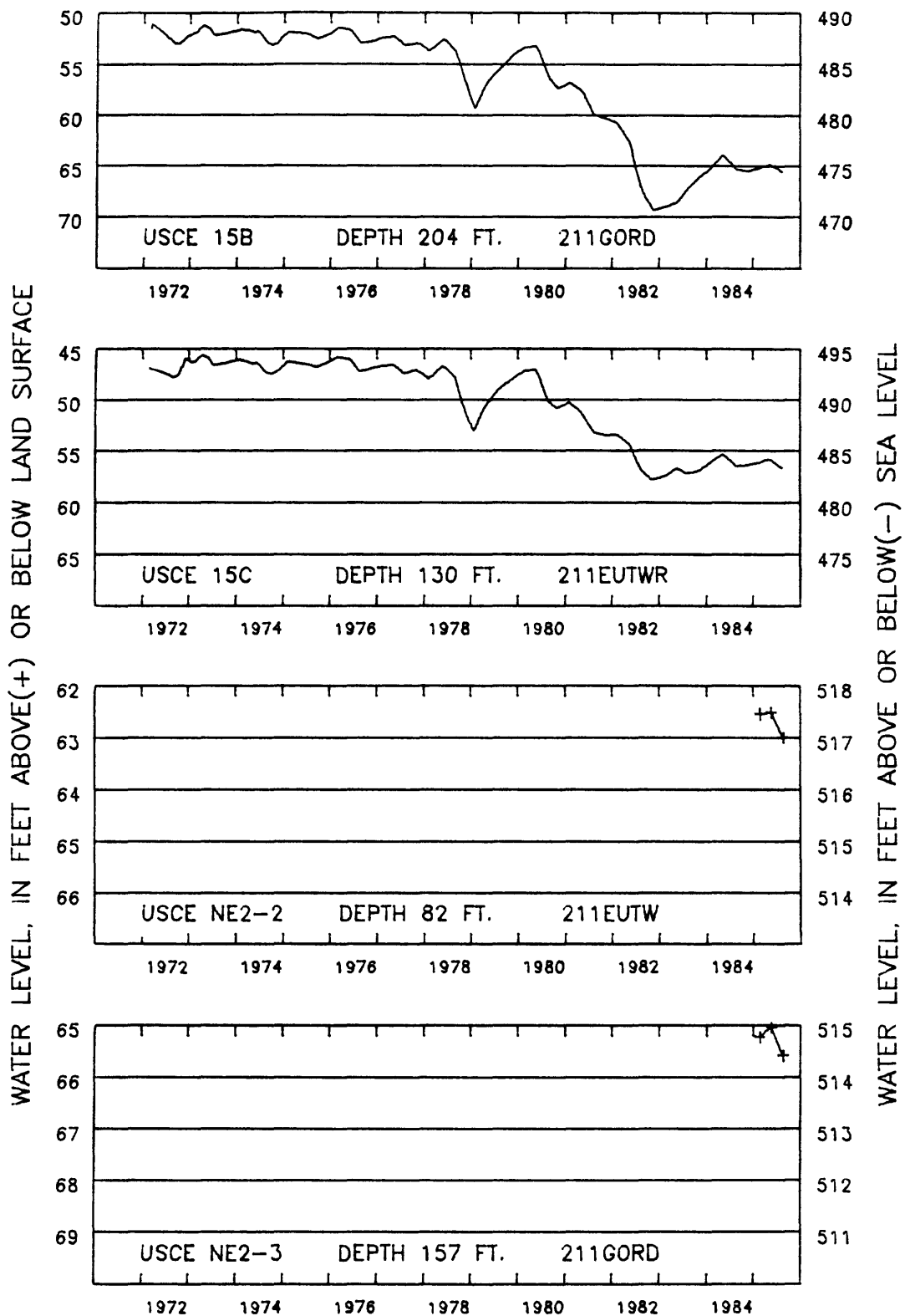
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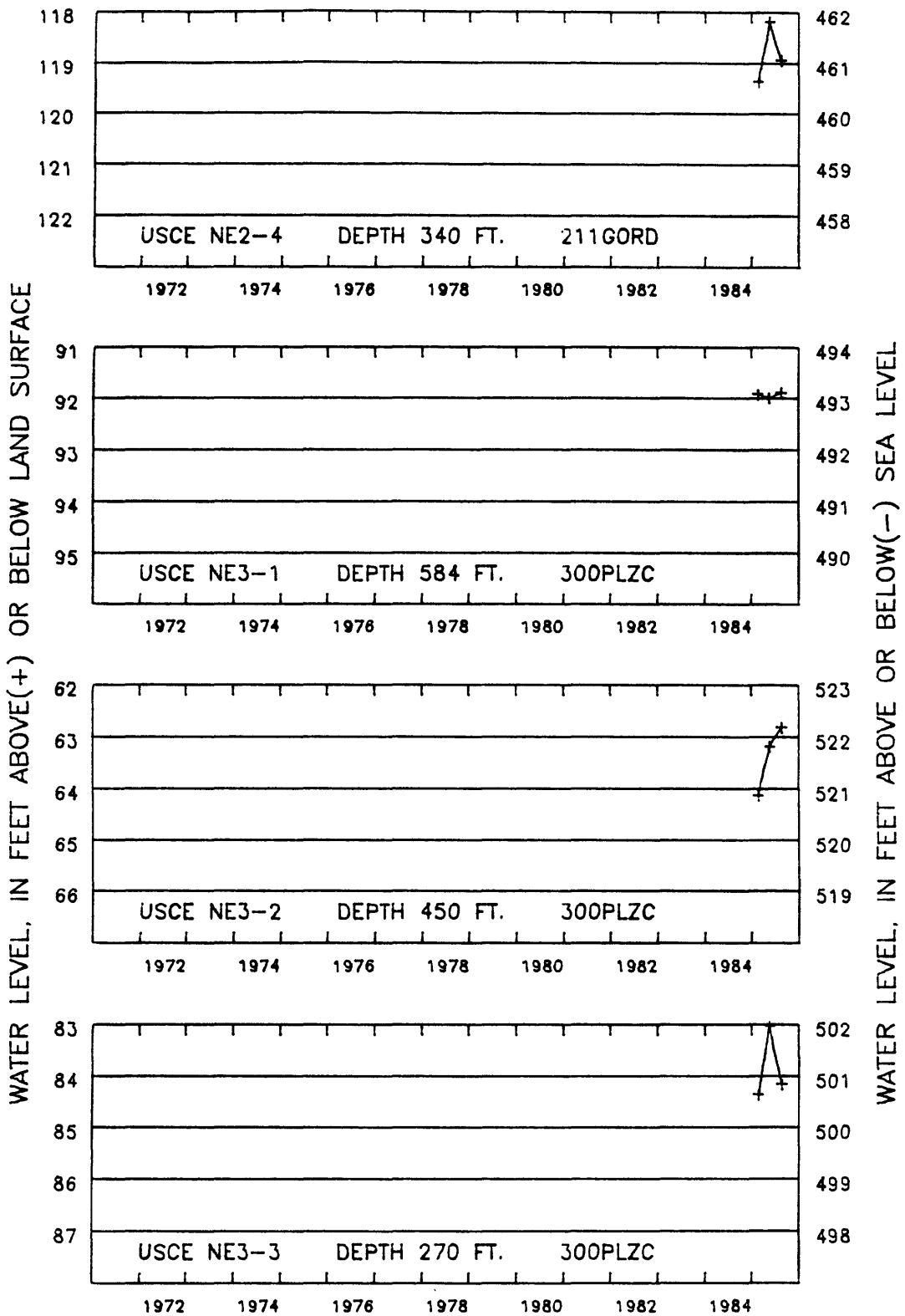


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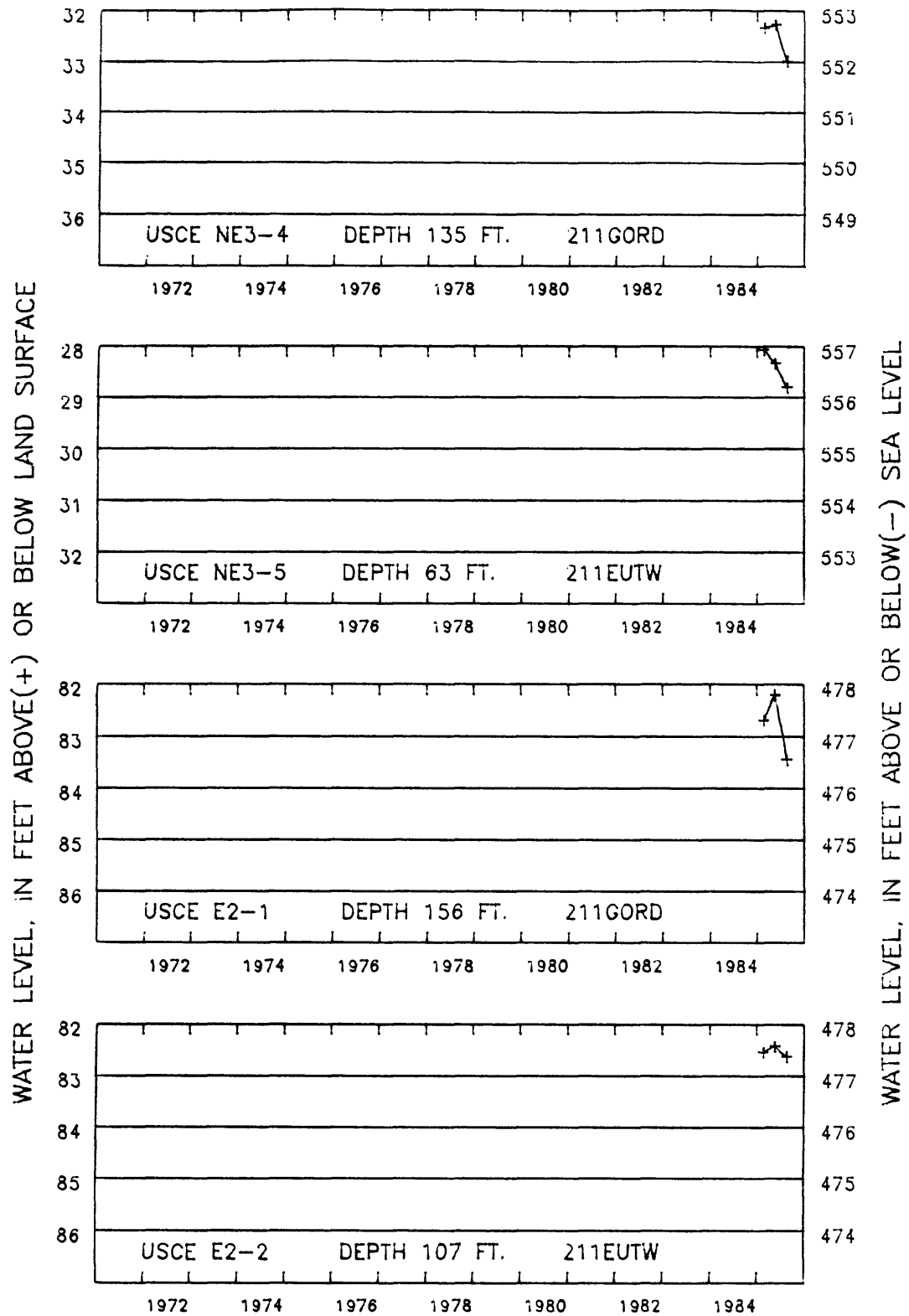


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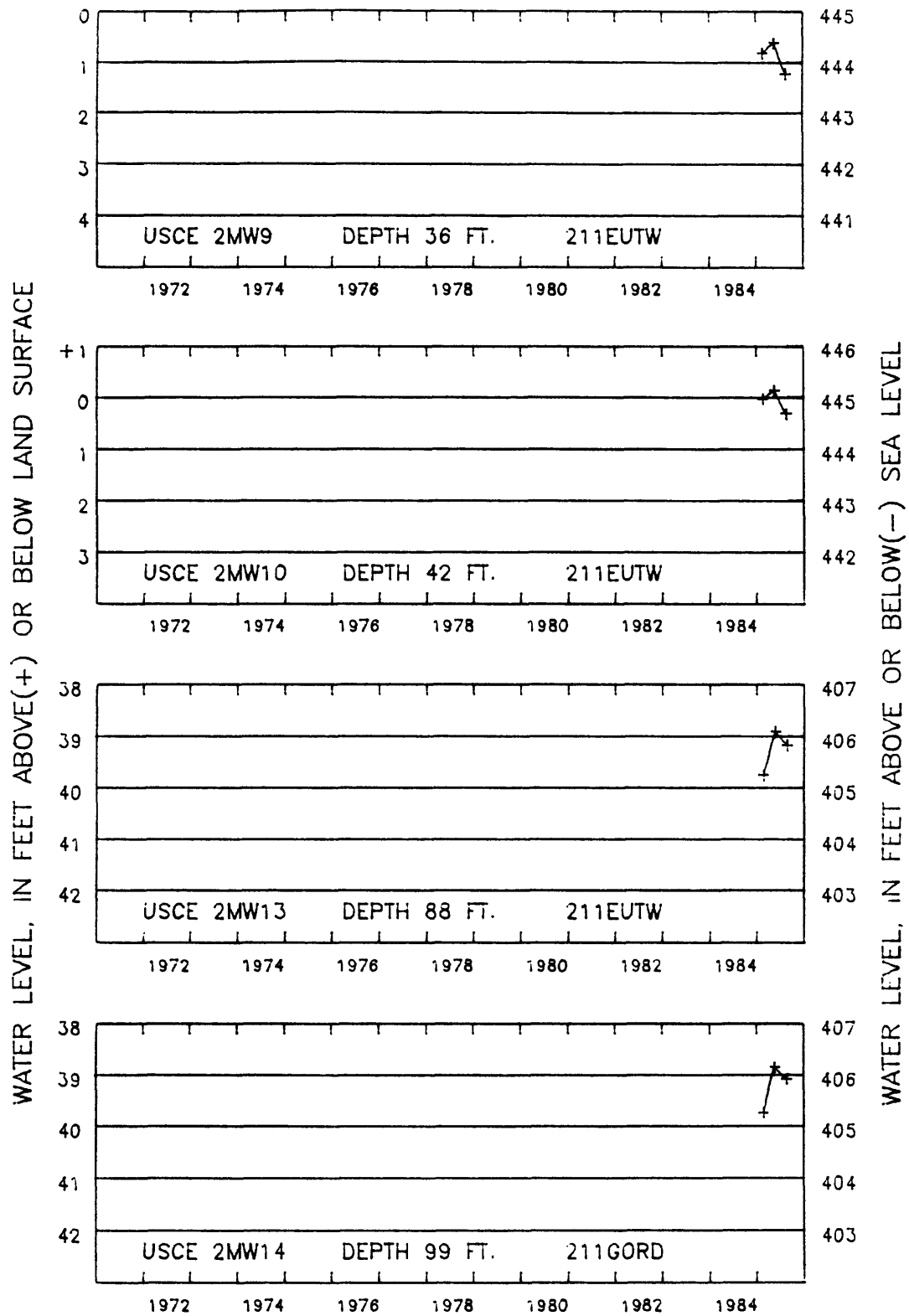




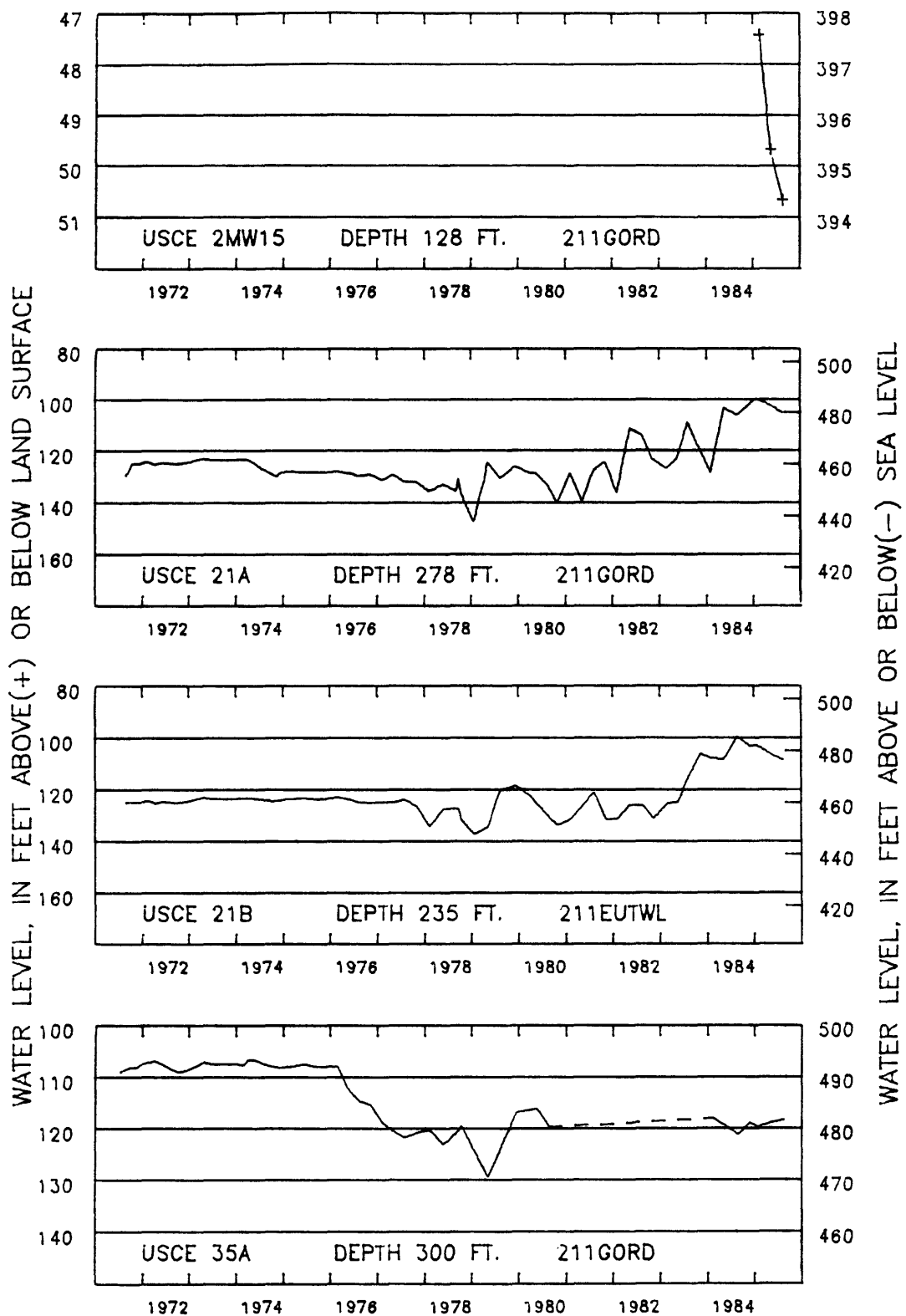
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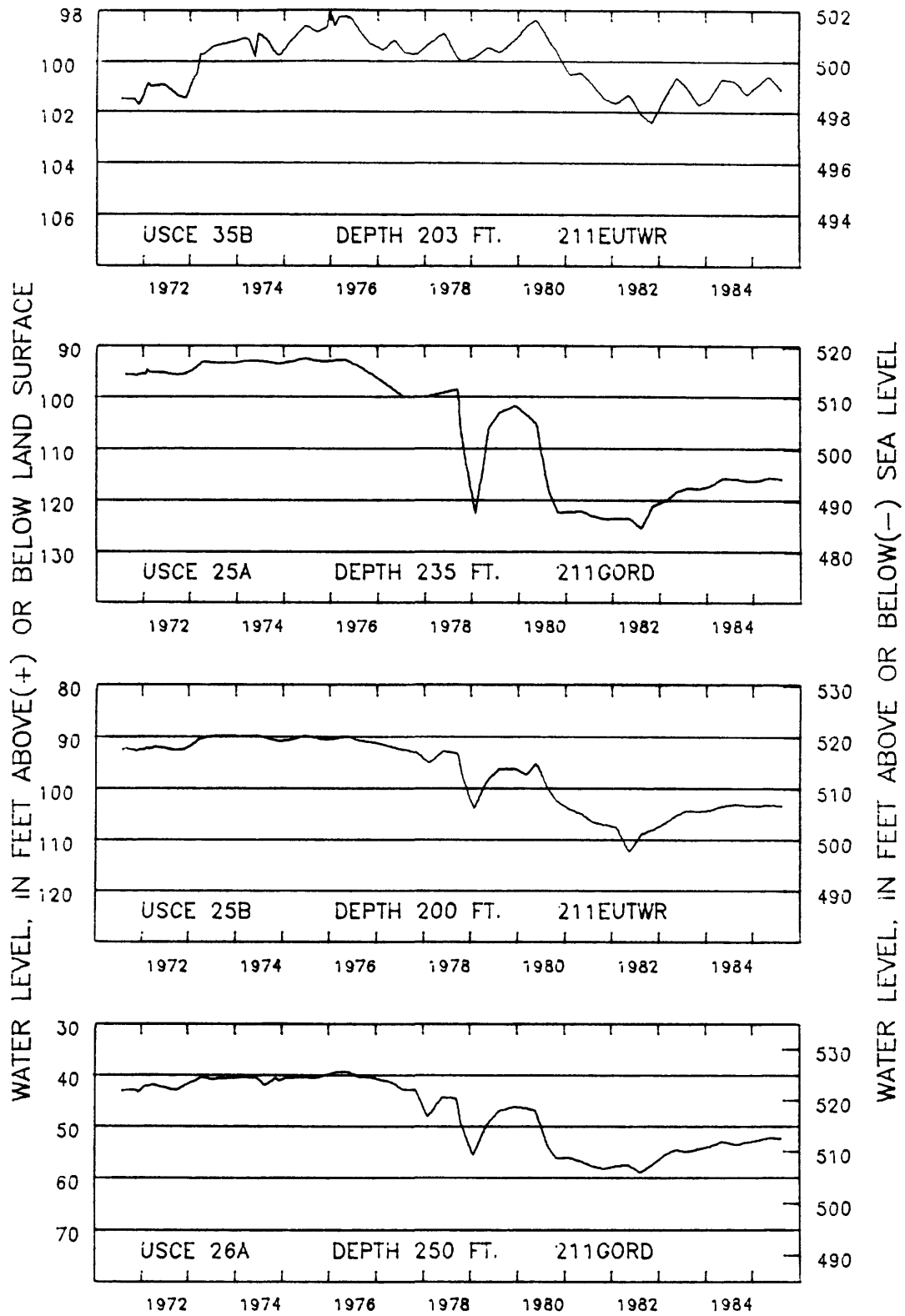
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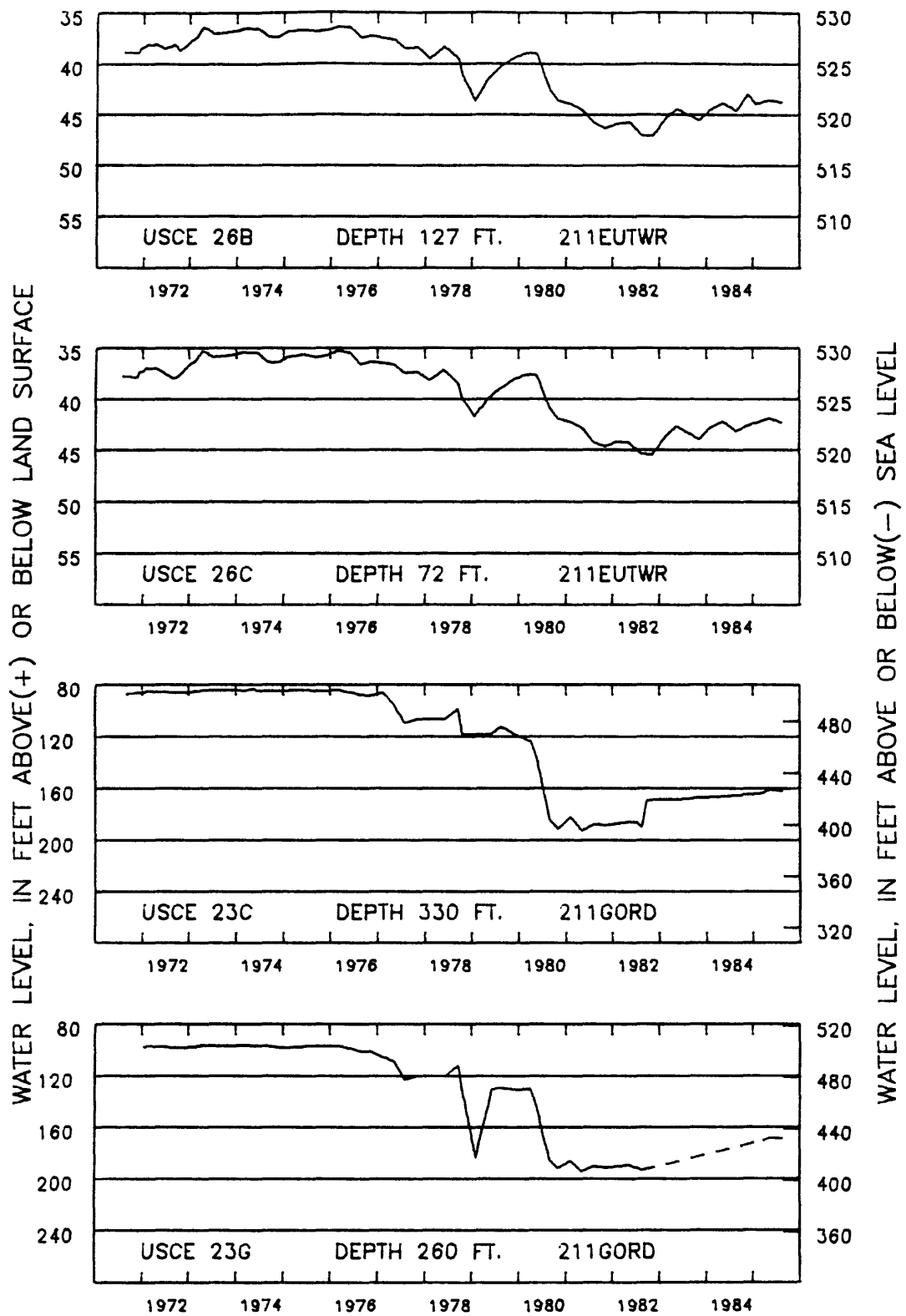
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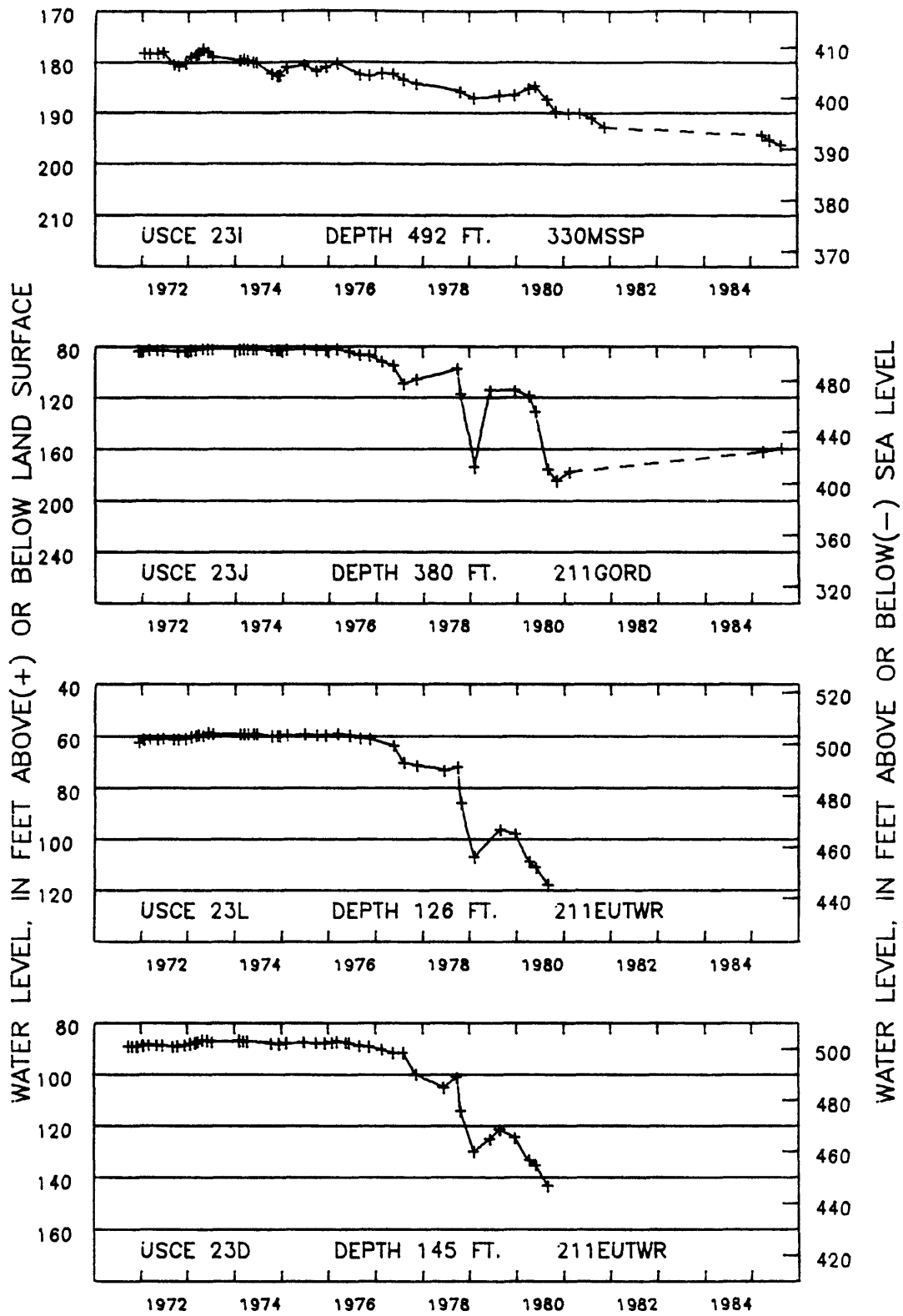
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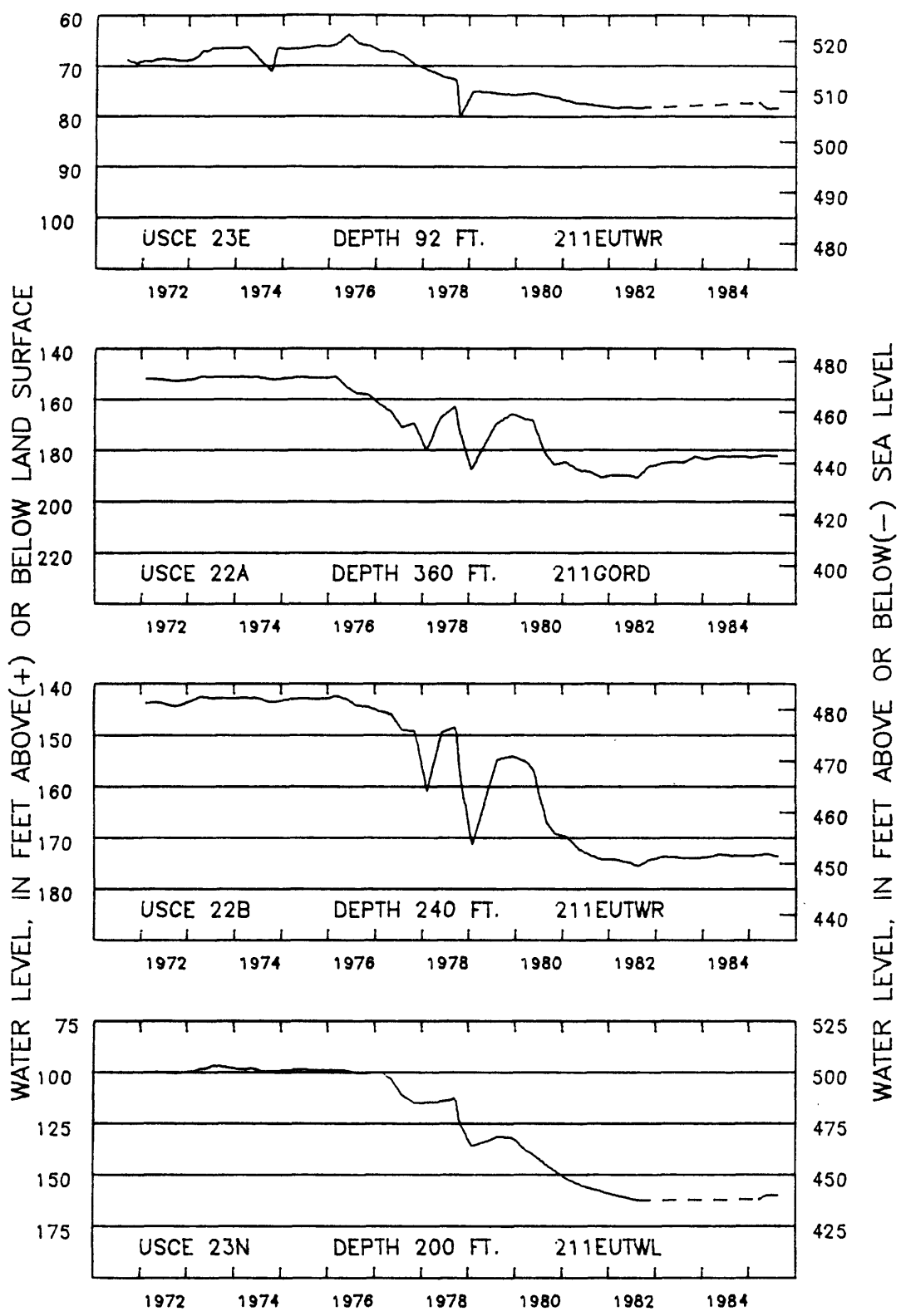
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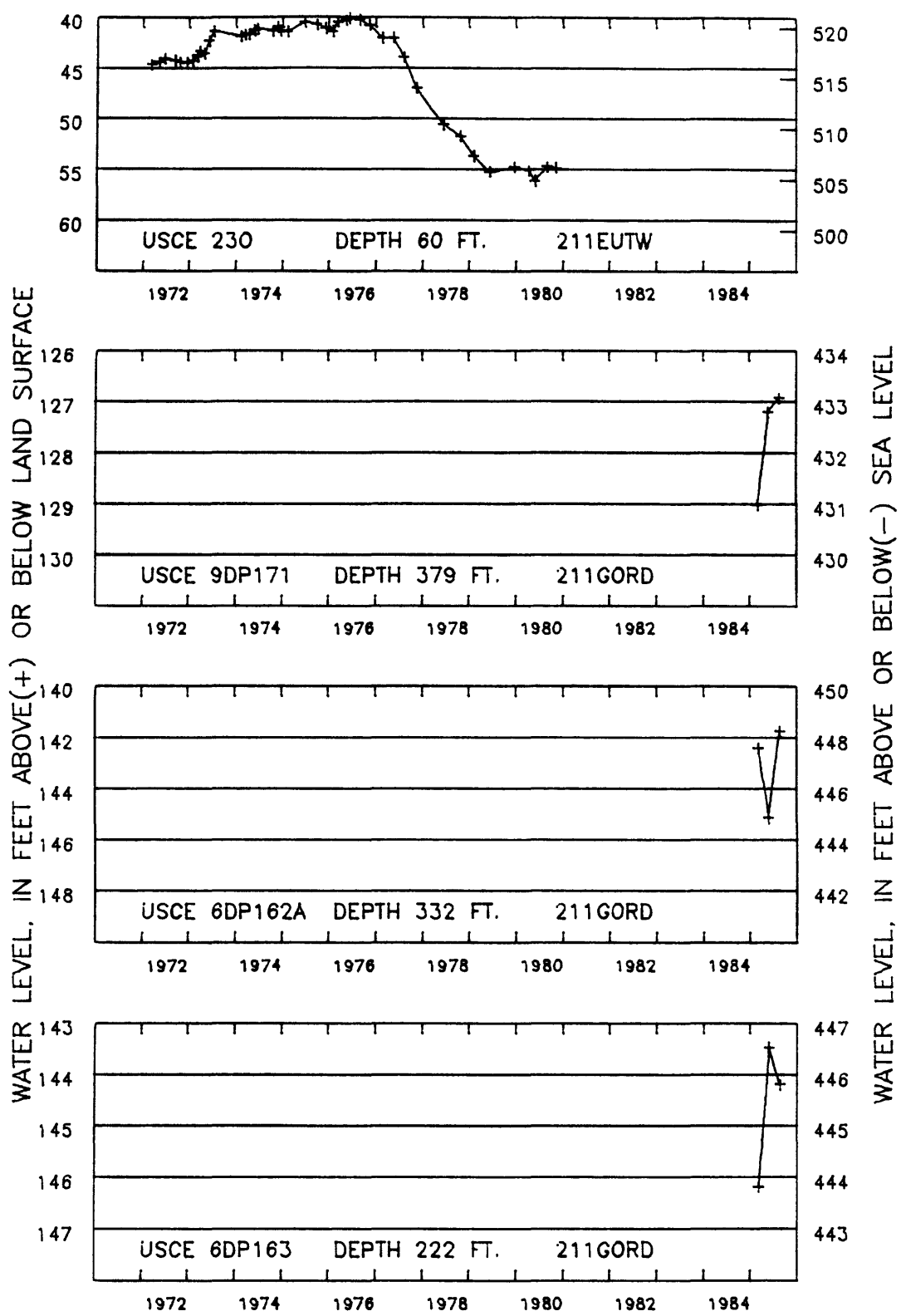


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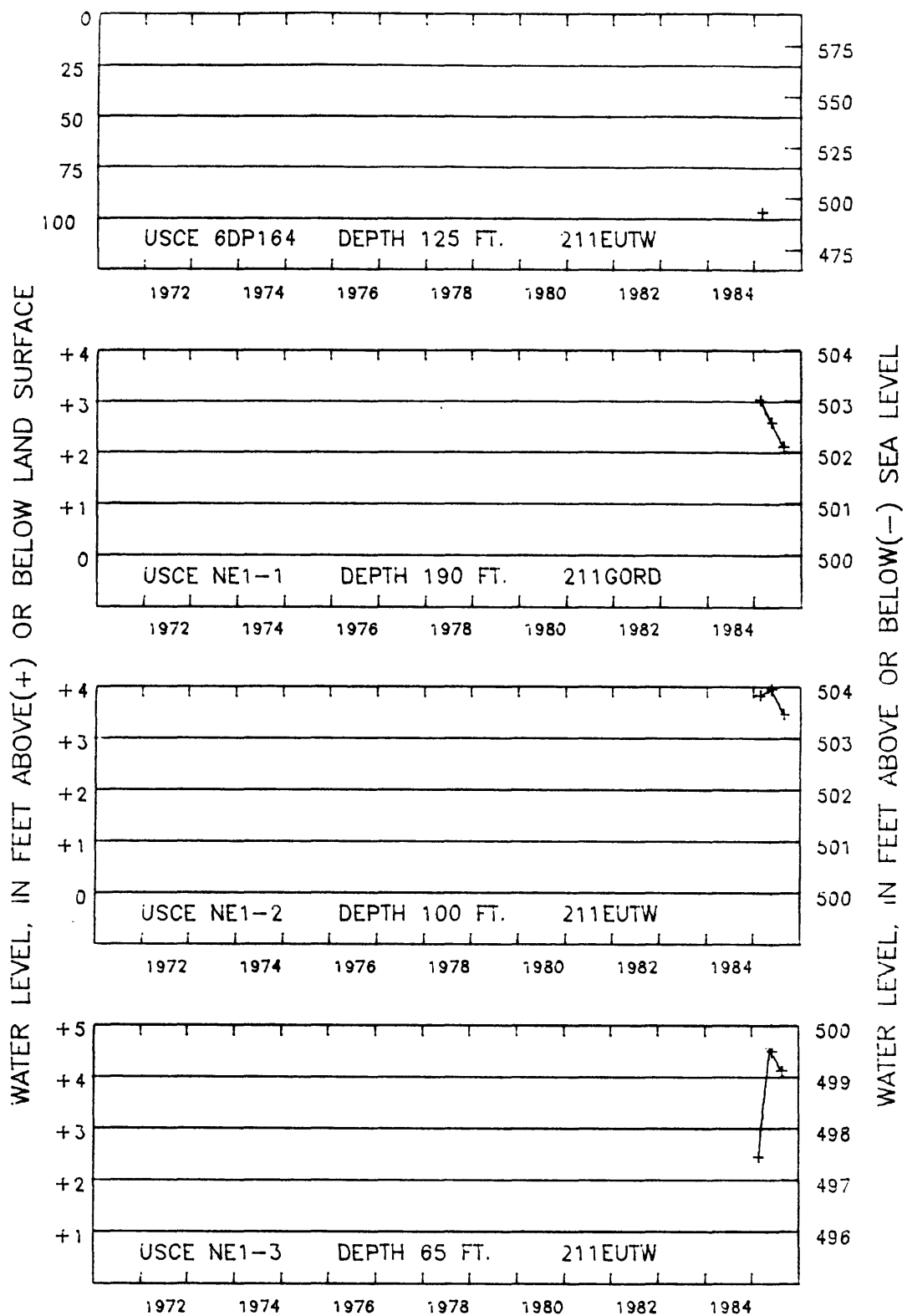


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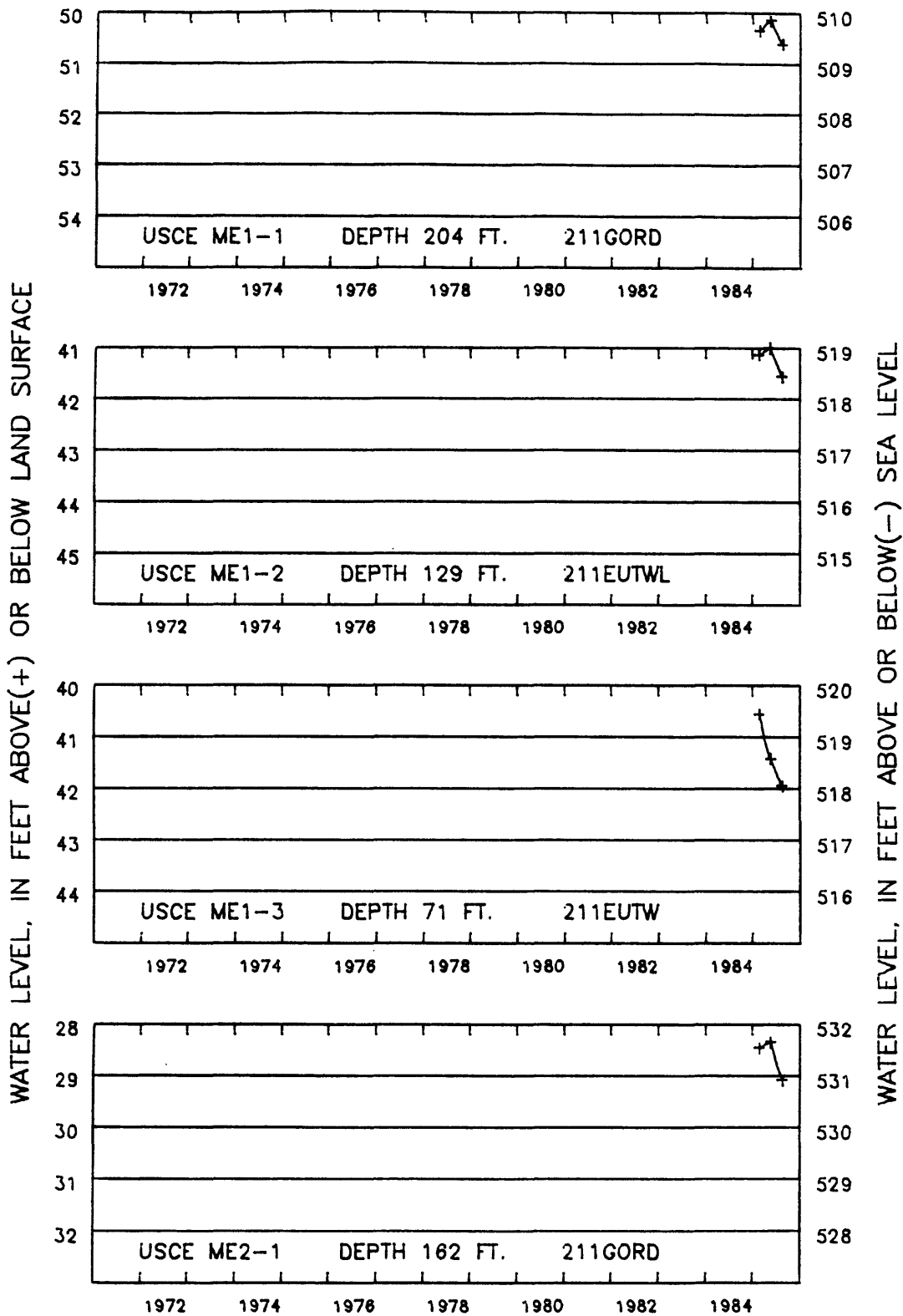




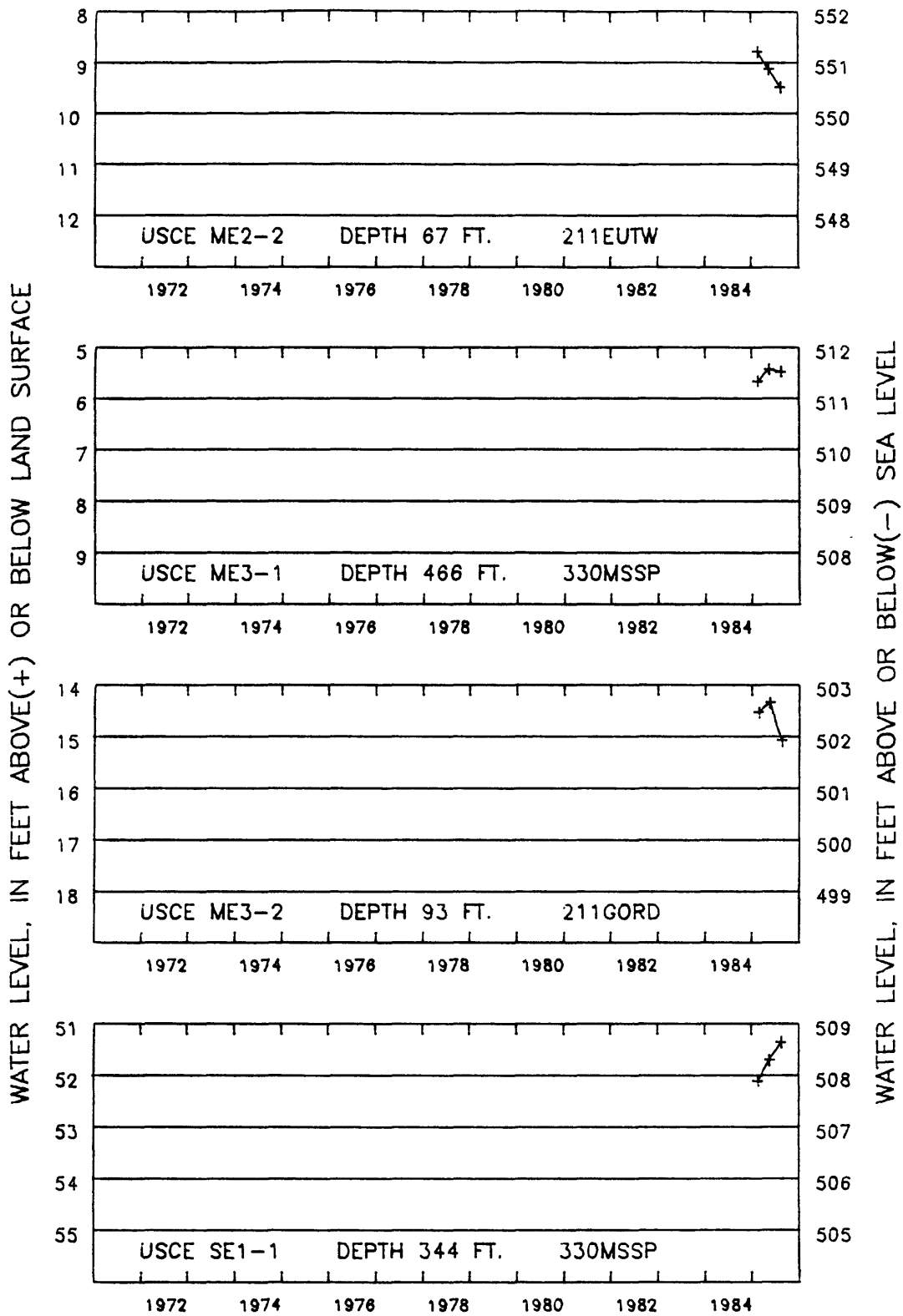
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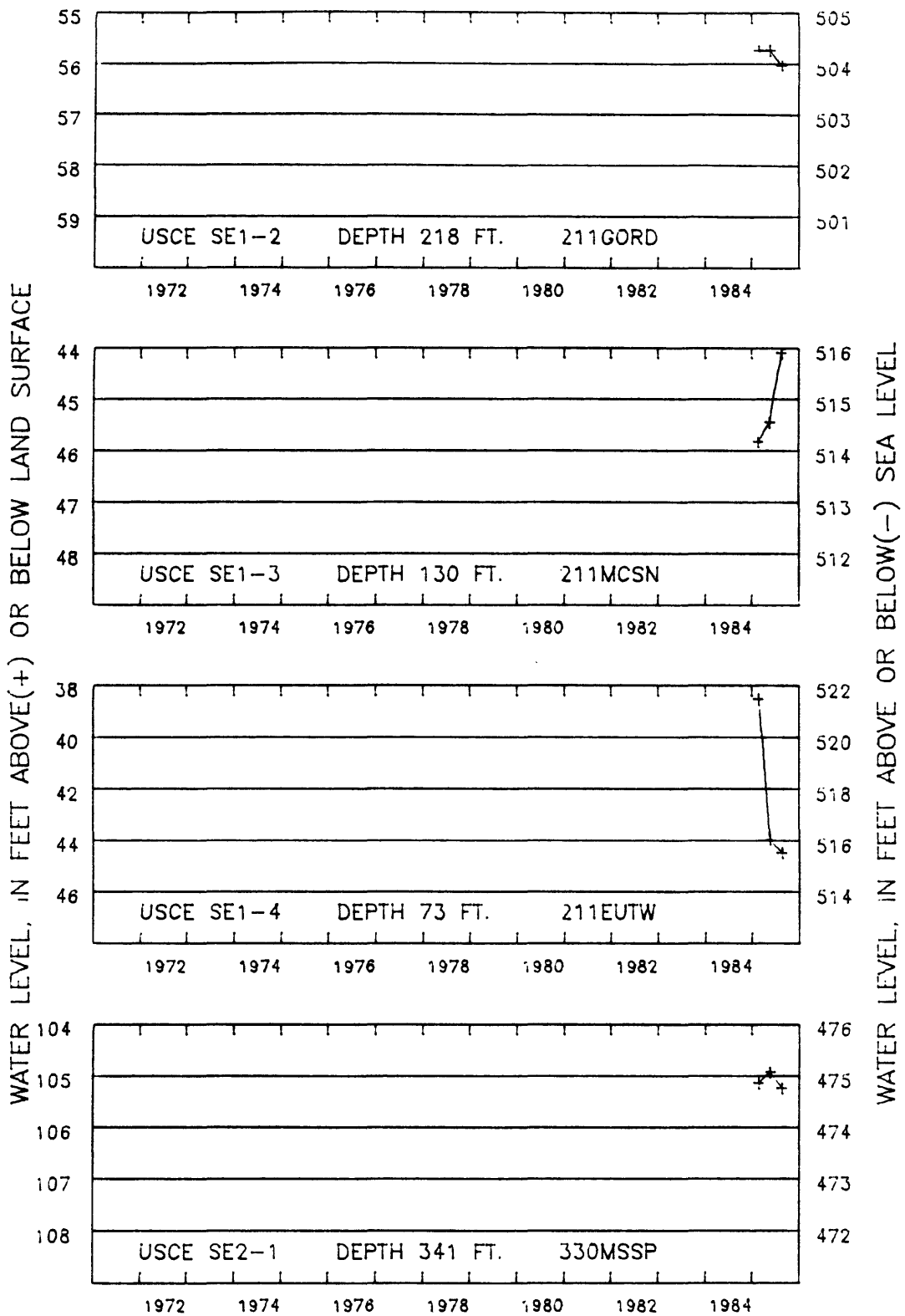
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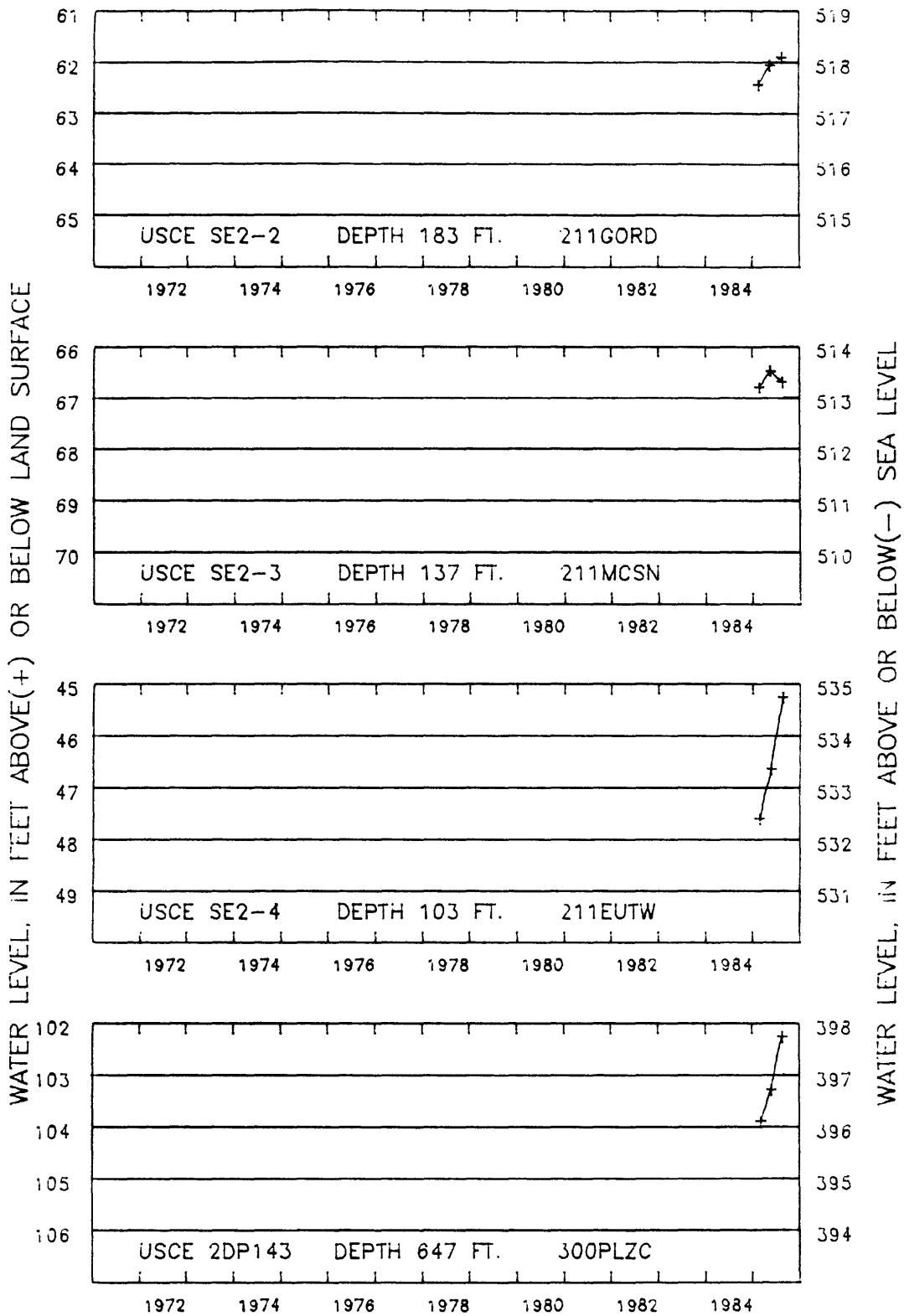
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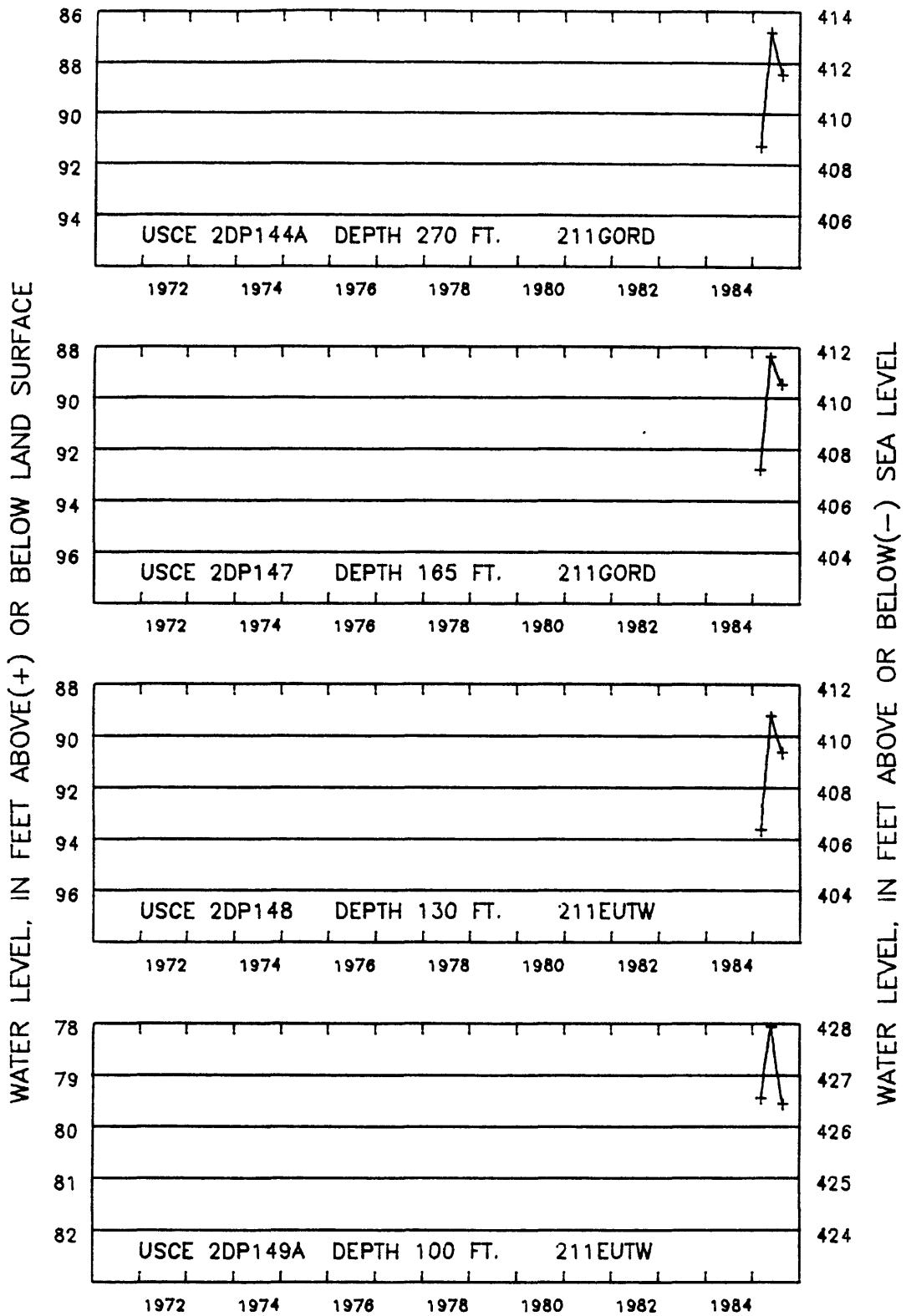
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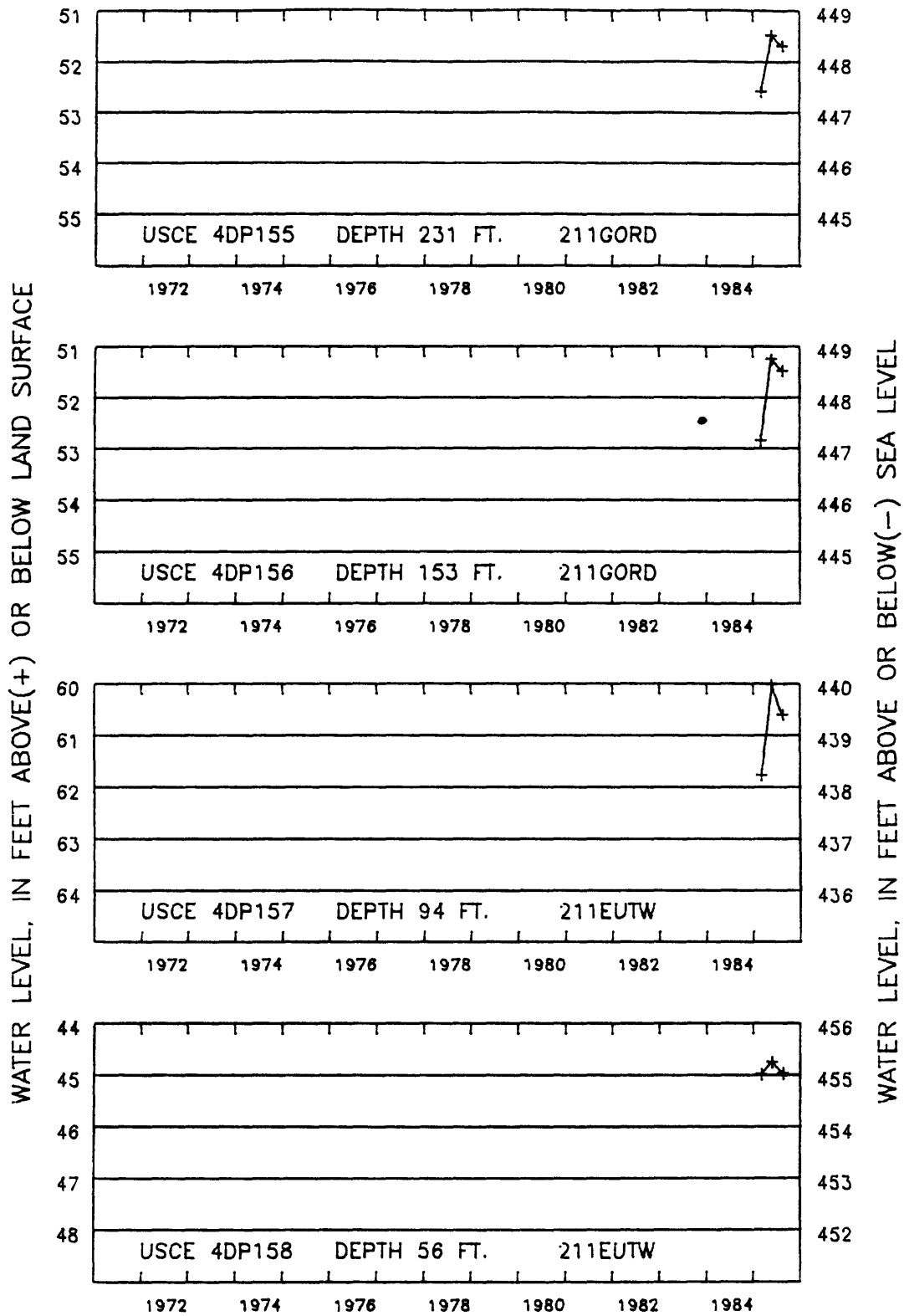
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HYDROGRAPHS OF TENNESSEE-TOMBIGBEE OBSERVATION WELLS

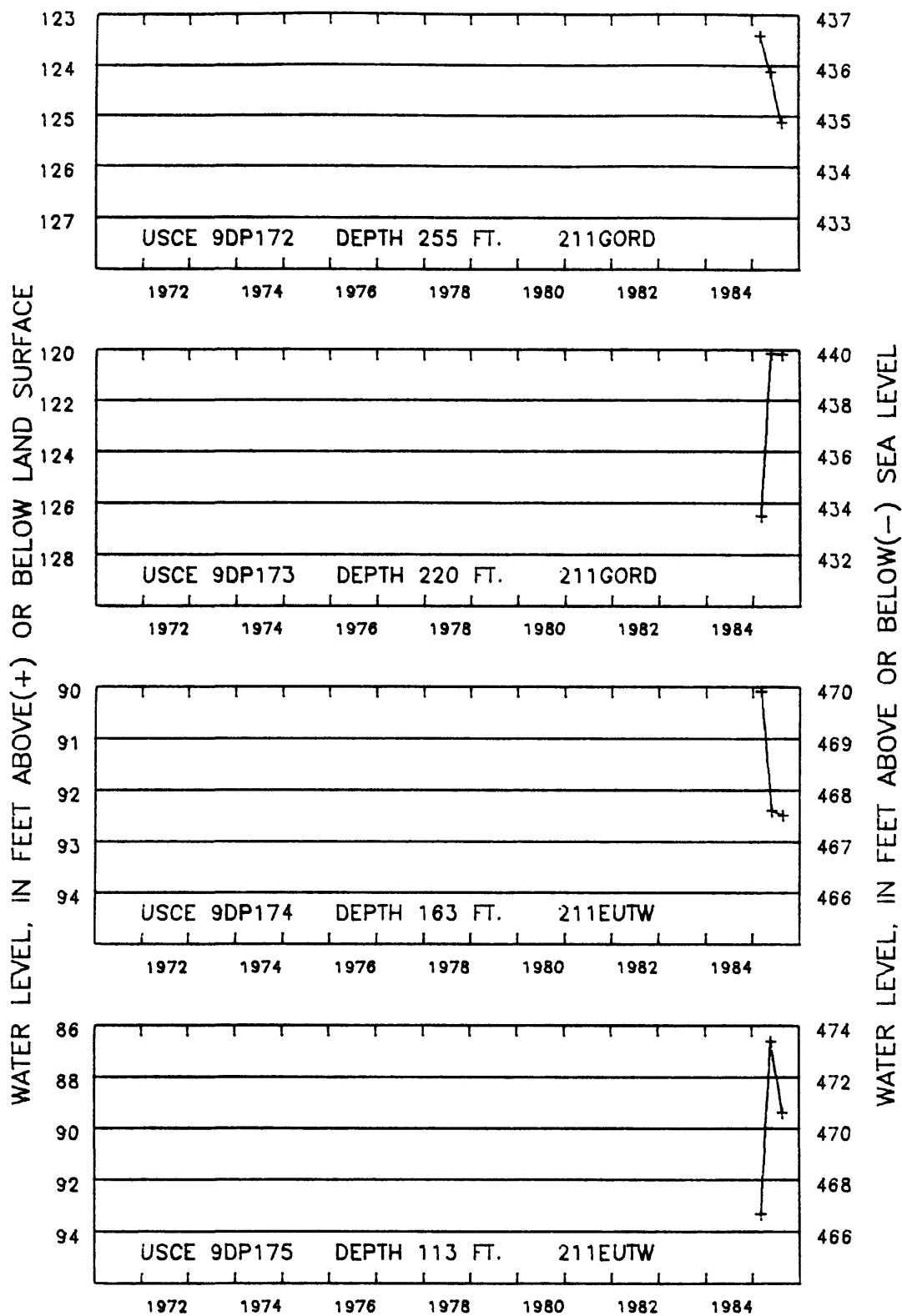


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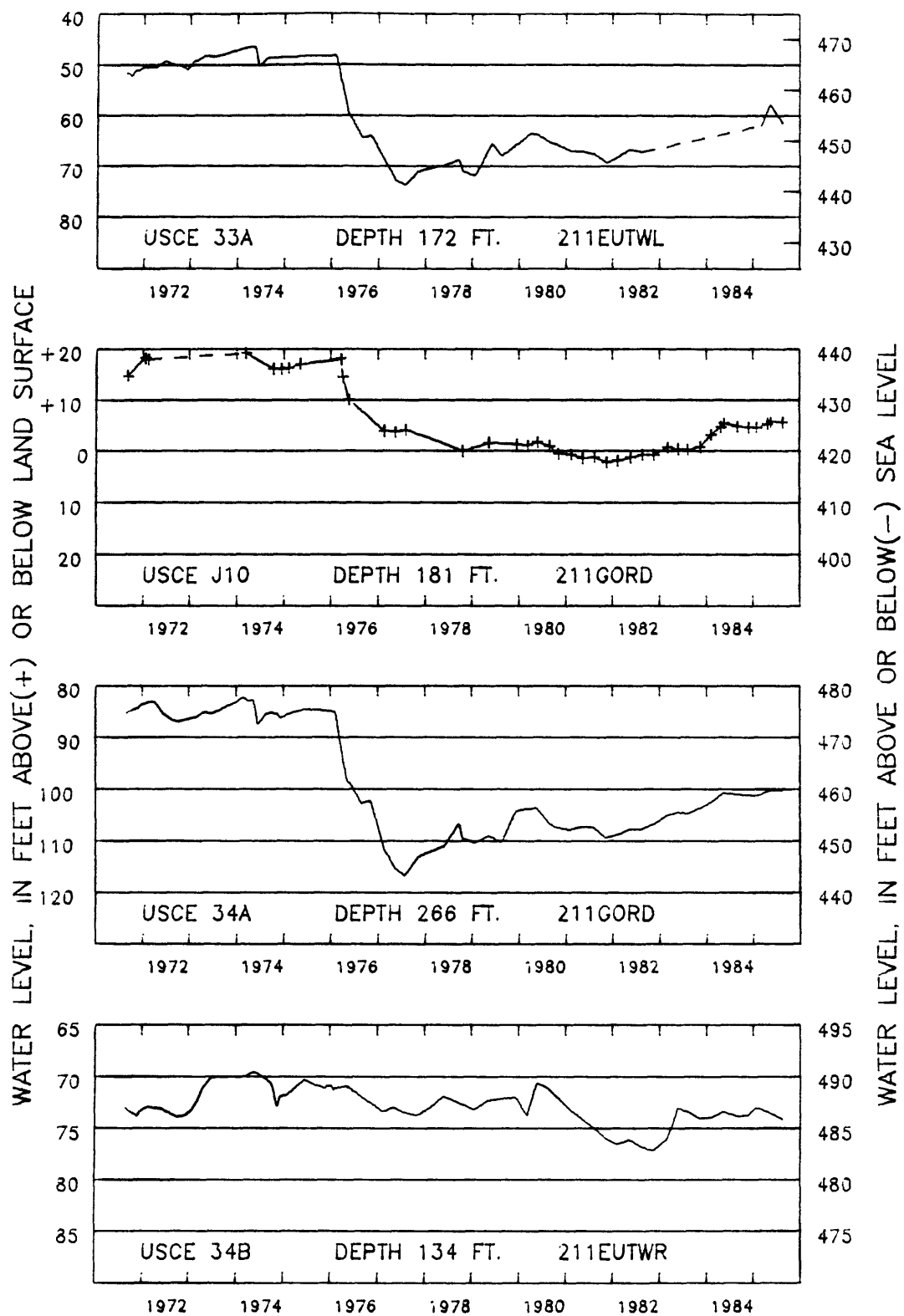


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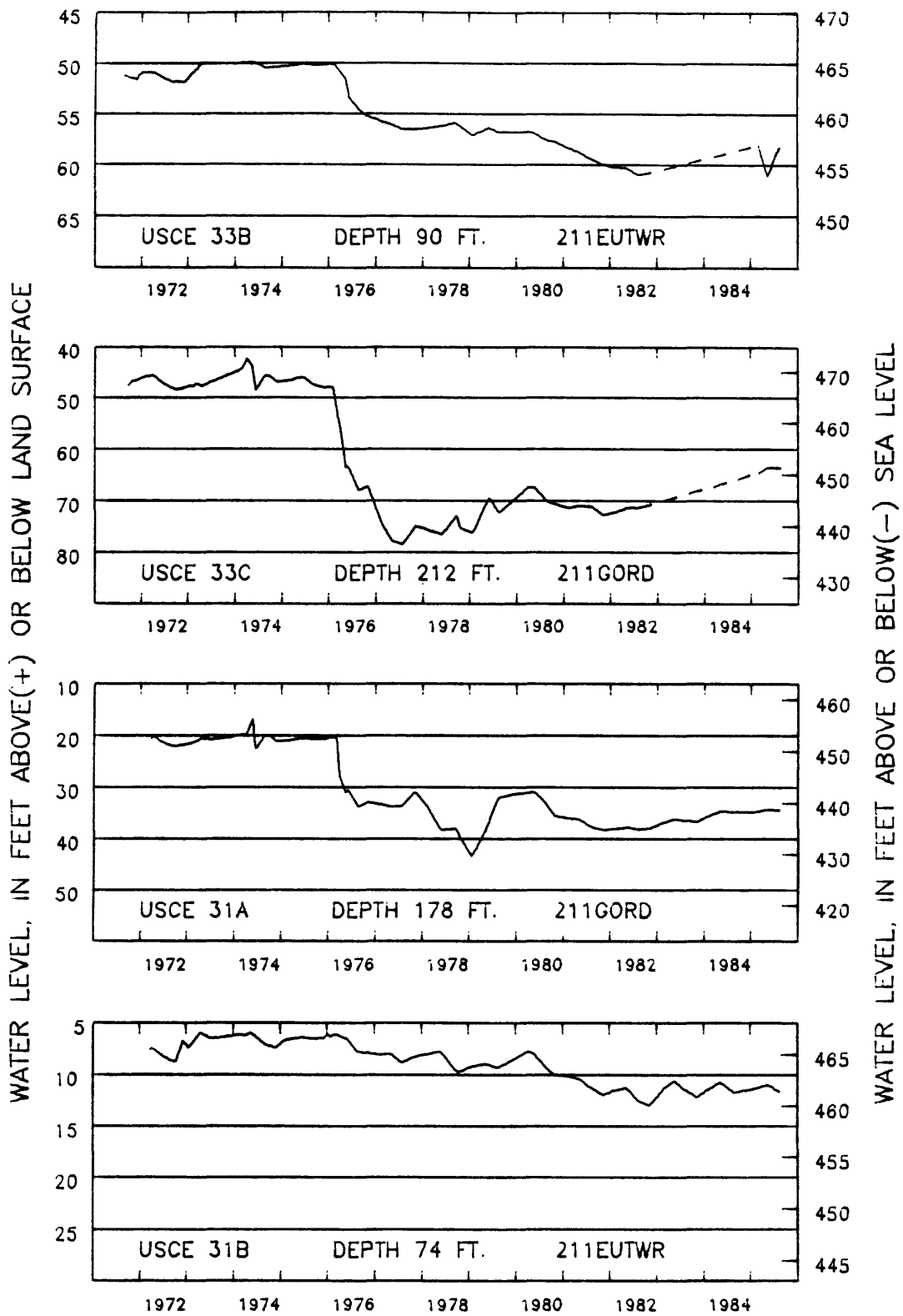




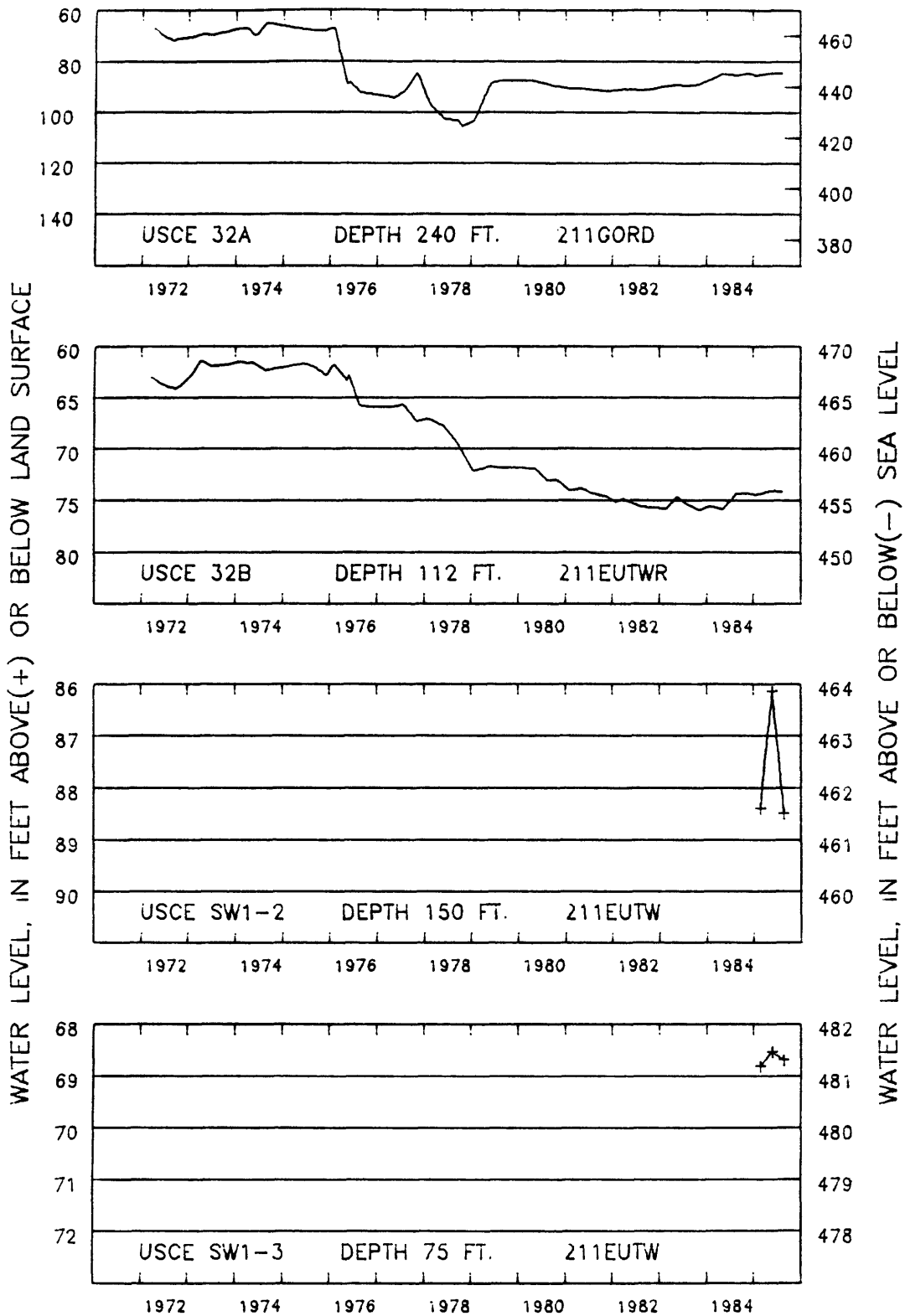
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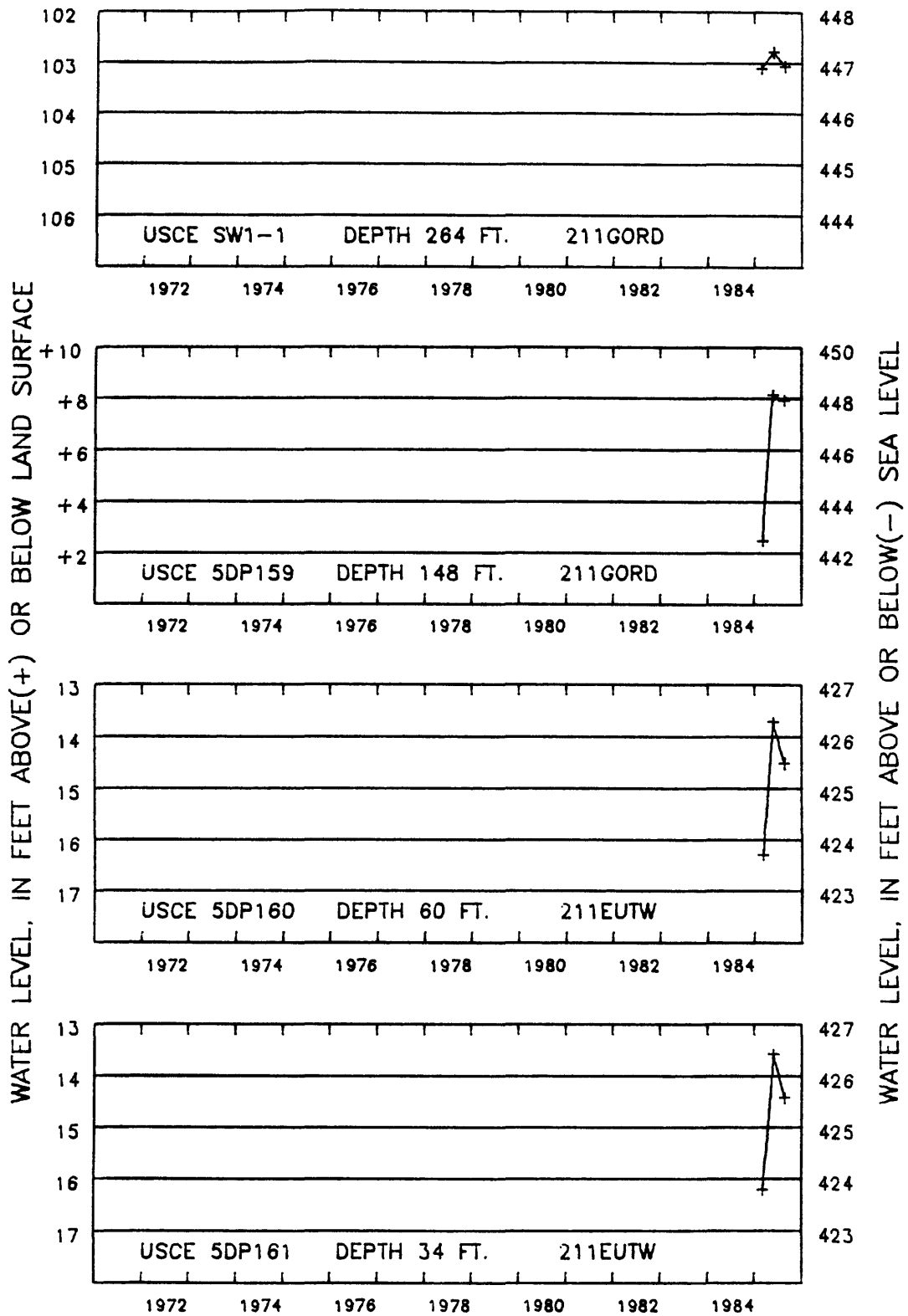
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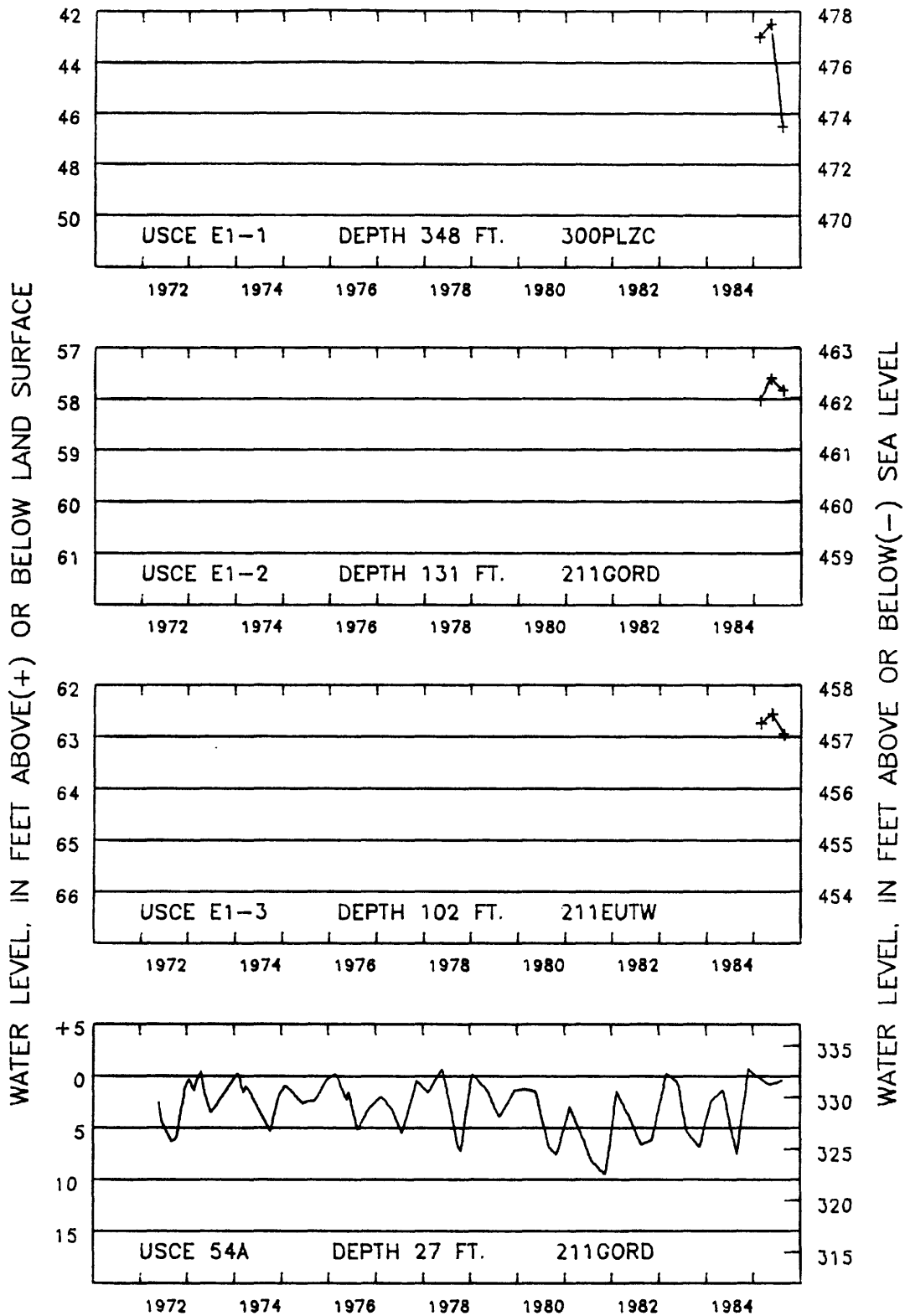
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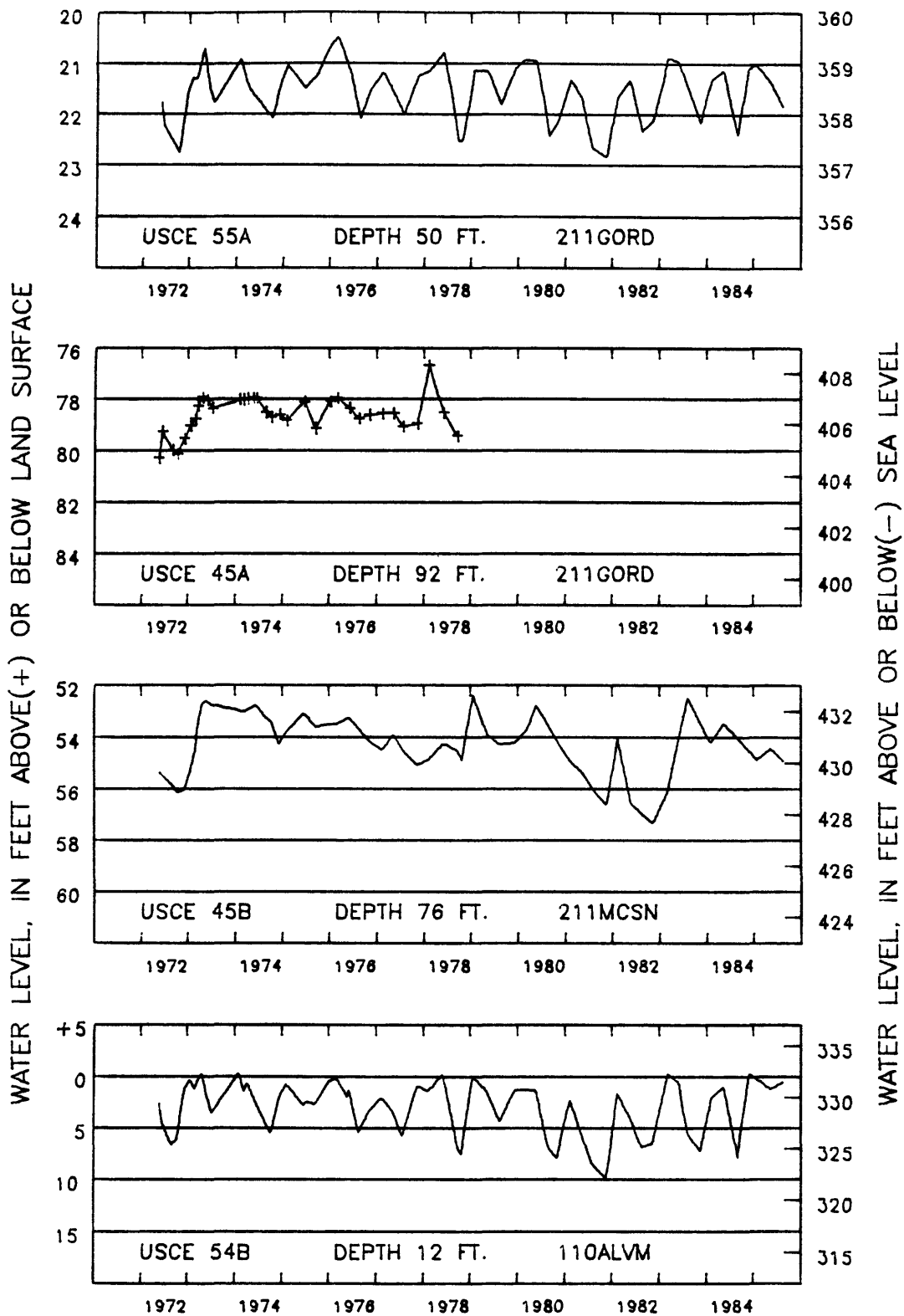
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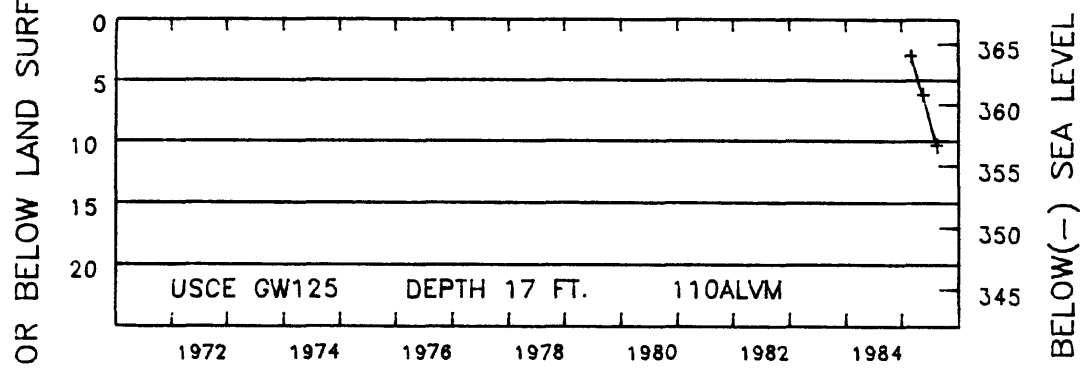
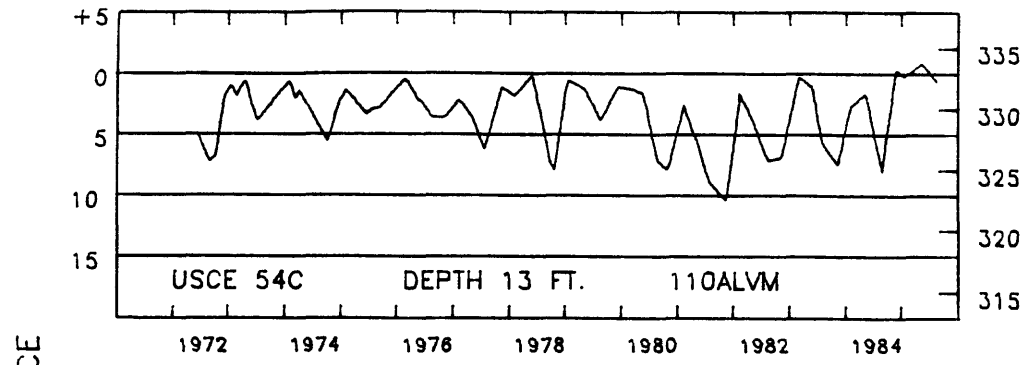
HYDROGRAPHS OF TENNESSEE-TOMBIGBEE OBSERVATION WELLS



HYDROGRAPHS OF TENNESSEE-TOMBIGBEE OBSERVATION WELLS



HYDROGRAPHS OF TENNESSEE-TOMBIGBEE OBSERVATION WELLS



HYDROGRAPHS OF TENNESSEE-TOMBIGBEE OBSERVATION WELLS



APPENDIX A  
GROUND-WATER DATA  
WATER-QUALITY ANALYSES

GROUND-WATER WELLS

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

LOCAL IDENTIFIER	STATION NUMBER	GEO-LOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)
0001 USCE 134A	325150088092901	1111ALVM	GREENE 08-20-85	0830	9.40	28.00	117.80	42	6.8
AA57 USCE GW12E	330242088110501	1111ALVM	PICKENS 08-22-85	0930	--	14.00	115.00	172	7.9
P019 USCE 122A	331351088175001	211EUTW	08-21-85	1515	0.50	134	140.00	290	8.4
P020 USCE 122B	331351088175002	1111ALVM	08-21-85	1600	--	30.00	139.80	86	5.6
P025 USCE GW21A	331107088180301	211EUTW	08-21-85	1030	4.30	139	139.60	400	9.0
P026 USCE GW21B	331107088180302	1111ALVM	08-21-85	0915	7.00	14.00	139.80	72	6.0
F010 USCE 132A	325215088111301	211EUTW	SUMTER 08-20-85	1245	4.00	370	159.70	2300	8.2

GROUND-WATER WELLS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

LOCAL IDENTIFIER	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L CaCO3)	CALCIUM, DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)
0001 USCE 134A	20.0	30	15	2	5.5	.34	1.4	16	.2	.70
AA57 USCE GW12E	19.5	100	13	0	4.2	.66	33	83	4	1.5
P019 USCE 122A	18.5	55	5	0	1.5	.32	64	95	13	1.9
P020 USCE 122B	18.5	5	21	11	6.8	.95	5.6	35	.6	1.1
P025 USCE GW21A	20.0	400	8	0	2.5	.50	88	94	14	3.3
P026 USCE GW21B	22.5	150	19	0	6.8	.47	4.0	31	.4	.50
F010 USCE 132A	20.0	10	27	0	7.3	2.2	490	97	42	4.3

GROUND-WATER WELLS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

LOCAL IDENTIFIER	ALKALINITY LAB AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
0001 USCE 134A	13	5.4	1.2	<.10	7.8	31	30	<.10	1900
AA57 USCE GW12E	81	5.5	2.4	.30	13	108	110	<.10	3700
P019 USCE 122A	148	.4	3.4	.40	11	166	170	<.10	20000
P020 USCE 122B	10	2.6	17	.40	13	54	55	<.10	10
P025 USCE GW21A	289	14	5.9	.30	4.4	288	290	<.10	350000
P026 USCE GW21B	23	4.1	2.7	<.10	17	52	52	<.10	5000
F010 USCE 132A	373	<.2	530	3.0	11	1370	--	<.10	550

GROUND-WATER WELLS---Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

LOCAL IDENT- I- FIER	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL REC'D - ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
0001 USCE 134A	62	90	11
AA57 USCE GW12E	37	100	42
P019 USCE 122A	49	410	11
P020 USCE 122B	1900	100	86
P025 USCE GW21A	40	8000	7
P026 USCE GW21B	2400	140	130
F010 USCE 132A	20	<10	<10

GROUND-WATER WELLS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

LOCAL IDENTIFIER	STATION NUMBER	GEO-LOGIC UNIT	DATE OF SAMPLE	TIME	SAMPLE SOURCE	SAMPLING CONDITION	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	
G070 USCE GW104C	341621088255001	110ALVM	06-03-85	1432	26	.10	-0.94	24.00	260.00	
		ITAWAMBA								
C100 USCE 114B	333355088282502	110TRCS	06-07-85	0815	33	15.00	5.56	47.00	170.00	
		LOWNDES								
C101 USCE 114C	333355088282503	211EUTW	06-07-85	0755	33	15.00	8.72	92.00	170.00	
C057 USCE 89A	340409088243801	211GORD	06-03-85	1740	26	.10	7.76	166.00	245.00	
		MONROE								
C058 USCE 89B	340409088243802	211MCSN	06-03-85	1640	26	.10	-0.70	45.00	245.00	
C060 USCE 96A	340018088270701	211GORD	06-06-85	1545	33	15.00	31.37	164.00	253.00	
L063 USCE 101A	335117088332801	211EUTW	06-06-85	1540	33	15.00	20.39	90.00	202.00	
L069 USCE 101B	335117088332802	110ALVM	06-07-85	0915	33	15.00	7.34	20.00	202.00	
B034 THRASHER W A	344251088323001	211EUTW	06-05-85	0915	26	.10	--	514.00	520.00	
B035 NEW CANDLER W A	344217088302801	211EUTW	06-05-85	1015	26	.10	--	460.00	540.00	
F011 BOONEVILLE	343949088335301	211EUTWL	06-05-85	1130	26	.10	--	486.00	495.00	
M019 USCE 52A	342911088205201	211GORD	06-04-85	0927	33	15.00	6.67	40.00	324.00	
D041 USCE 12B	344638088200103	211EUTWR	06-05-85	1515	26	.10	62.96	150.00	485.00	
		TISHOMINGO								
D042 USCE 12C	344638088200104	211EUTWR	06-05-85	1625	26	.10	55.91	88.50	485.00	
D052 BURNSVILLE	345033088192201	300PLZC	06-05-85	1330	26	.10	--	280.00	520.00	
E039 MIDWAY-PLEASANT HILL	344711088114802	211GORD	06-06-85	0930	26	.10	--	400.00	680.00	
G040 USCE 22B	344218088184302	211EUTWR	06-05-85	1930	26	.10	174.07	240.00	625.00	
J014 USCE 34B	344053088161203	211EUTWR	06-04-85	1600	26	.10	73.81	134.00	560.00	
J018 USCE 31A	344017088180402	211GORD	06-04-85	1639	26	.10	34.87	178.00	473.00	
J019 USCE 31B	344017088180403	211EUTWR	06-04-85	1715	26	.10	11.28	74.00	473.00	

GROUND-WATER WELLS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

LOCAL IDENTIFIER	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE, INSTANTANEOUS (GPM)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	ACIDITY (MG/L AS CaCO3)
G070 USCE GW104C	30	5.0	106	6.6	17.5	25	42	12	--
C100 USCE 114B	15	3.0	88	6.4	16.5	20	22	0	--
C101 USCE 114C	30	4.0	135	7.2	17.0	5	24	0	--
C057 USCE 89A	45	5.0	101	7.0	17.5	5	33	0	--
C058 USCE 89B	45	5.0	115	6.7	18.0	15	32	0	--
C060 USCE 96A	60	3.0	46	6.2	18.5	45	19	7	--
L063 USCE 101A	30	4.0	160	7.8	18.0	5	64	0	--
L069 USCE 101B	15	3.0	110	6.0	18.0	5	30	13	--
B034 THRASHER W A	60	200	279	7.8	19.0	<1	120	4	.2 9.9
B035 NEW CANDLER W A	30	125	278	7.6	18.5	15	120	6	.2 9.9
F011 BOONEVILLE	15	--	300	7.7	18.5	5	130	4	.2 9.9
M019 USCE 52A	50	2.0	34	5.8	16.5	15	10	2	--
D041 USCE 12B	60	10	131	6.5	17.5	20	51	14	.4 20
D042 USCE 12C	40	10	120	6.4	17.5	10	40	0	.3 15
D052 BURNSVILLE	30	--	61	6.5	17.0	25	21	0	.2 9.9
E039 MIDWAY-PLEASANT HILL	30	495	56	6.3	17.5	10	12	0	.4 20
G040 USCE 22B	30	10	92	6.1	17.0	5	30	3	.4 20
J014 USCE 34B	45	10	32	5.8	16.0	5	8	0	.2 9.9
J018 USCE 31A	45	10	130	9.3	18.5	10	10	0	.1 5.0
J019 USCE 31B	30	10	49	5.8	18.5	<1	15	0	.2 9.9

GROUND-WATER WELLS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

LOCAL IDENTIFIER	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)
G070 USCE GW10AC	12	2.9	7.8	28	.5	1.5	30	3.1	9.7	.10
C100 USCE 114B	7.1	1.1	5.7	34	.5	1.4	23	7.6	2.1	.30
C101 USCE 114C	7.3	1.5	18	59	2	2.2	53	7.1	3.1	.30
C057 USCE 89A	7.7	3.4	3.1	16	.2	2.3	41	3.0	3.9	.30
C058 USCE 89B	7.9	2.9	3.8	19	.3	2.6	34	12	2.3	.20
C060 USCE 96A	4.7	1.8	2.7	21	.3	2.5	12	18	2.7	.10
L063 USCE 101A	19	4.1	5.2	14	.3	2.8	69	2.2	2.6	<.10
L069 USCE 101B	8.8	1.9	6.4	31	.5	1.4	17	5.9	15	<.10
B034 THRASHER W A	38	5.9	7.2	11	.3	2.9	115	9.7	9.2	.10
B035 NEW CANDLER W A	36	6.2	8.3	13	.4	3.4	110	16	9.5	<.10
F011 BOONEVILLE	41	7.0	8.4	12	.3	3.2	127	14	9.2	.10
M019 USCE 52A	2.2	1.0	2.0	29	.3	.80	8.0	1.7	3.9	<.10
D041 USCE 12B	16	2.8	4.2	14	.3	2.8	38	56	2.7	.20
D042 USCE 12C	12	2.5	6.4	24	.5	2.4	47	5.0	2.4	.30
D052 BURNSVILLE	5.8	1.7	1.9	15	.2	1.1	21	6.6	2.5	.20
E039 MIDWAY-PLEASANT HILL	2.6	1.3	1.5	20	.2	1.2	15	5.6	1.2	.10
G040 USCE 22B	9.4	1.6	3.5	19	.3	1.5	27	13	1.4	<.10
J014 USCE 34B	1.8	.88	1.5	26	.2	1.1	8.0	4.0	.90	<.10
J018 USCE 31A	3.7	.23	17	73	2	3.0	40	11	1.6	<.10
J019 USCE 31B	3.6	1.4	2.6	25	.3	1.4	14	7.2	1.2	<.10



GROUND-WATER WELLS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

LOCAL IDENTIFIER	SILICA, DIS-SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DIS-SOLVED (UG/L AS MN)
G070 USCE GW104C	16	73	98	.83	60000	26000	1200	960
C100 USCE 114B	27	59	67	.41	22000	1100	500	240
C101 USCE 114C	22	101	93	.23	17000	28	160	22
C057 USCE 89A	7.6	58	61	.13	17000	3800	1400	1400
C058 USCE 89B	17	52	76	.10	15000	5400	1400	1100
C060 USCE 96A	11	29	67	<.10	190000	16000	3900	340
L063 USCE 101A	35	105	110	.26	1600	32	160	100
L069 USCE 101B	19	74	69	.13	43000	340	240	140
B034 THRASHER W A	15	164	160	<.10	60	39	90	80
B035 NEW CANDLER W A	11	161	160	<.10	790	380	210	190
F011 BOONEVILLE	11	176	170	<.10	280	190	160	140
M019 USCE 52A	9.5	36	26	<.10	5600	110	90	91
D041 USCE 12B	40	154	170	<.10	19000	17000	700	710
D042 USCE 12C	31	107	91	<.10	4100	910	370	340
D052 BURNSVILLE	9.5	43	59	<.10	16000	16000	1000	970
E039 MIDWAY-PLEASANT HILL	8.6	31	49	<.10	18000	17000	1000	990
G040 USCE 22B	30	90	78	<.10	13000	1300	170	150
J014 USCE 34B	20	22	35	<.10	50	12	10	7
J018 USCE 31A	18	77	79	<.10	190	15	20	2
J019 USCE 31B	29	35	57	<.10	2300	2400	50	50

APPENDIX B  
SURFACE-WATER DATA

APPENDIX B  
SURFACE-WATER DATA

DESCRIPTIONS OF SITES

DESCRIPTIONS OF SITES

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	HYDRO- LOGIC UNIT CODE	DRAIN- AGE AREA (SQ. MI.)
SURFACE-WATER NETWORK						
03592824	TENN-TOM WATERWAY AT CROSS ROADS, MS	34 54 51	088 14 48	00	06030005	
03592718	LITTLE YELLOW CREEK EAST NR BURNSVILLE, MS	34 50 01	088 17 08	00	06030005	24.7
02430005	TENN-TOM WATERWAY BL BAY SPRINGS LOCK & DAM, MS	34 31 24	088 19 27	00	03160101	
02430100	MACKEYS CREEK NR MOORES MILL, MS	34 29 13	088 20 44	00	03160101	118
02431000	TOMBIGBEE RIVER NR FULTON, MS	34 15 53	088 26 42	00	03160101	612
02436500	TOWN CREEK NR NETTLETON, MS	34 03 32	088 37 40	00	03160102	620
02437000	TOMBIGBEE RIVER NR AMORY, MS	33 59 07	088 33 03	00	03160101	1930
02437101	TOMBIGBEE RIVER BL ABERDEEN LOCK AND DAM, MS	33 49 29	088 31 16	00	03160101	2047
02437600	JAMES CREEK AT ABERDEEN, MS	33 48 48	088 33 59	00	03160101	28.4
02439600	BUTTAHATCHEE RIVER NR KOLOLA SPRINGS, MS	33 40 24	088 25 45	00	03160103	855
02441000	TIBBEE CREEK NR TIBBEE, MS	33 32 17	088 38 00	00	03160104	926
02441391	TOMBIGBEE RIVER BL COLUMBUS LOCK AND DAM, MS	33 31 04	088 29 22	00	03160101	4440
02443500	LUXAPALLILA CREEK NR COLUMBUS, MS	33 30 50	088 23 42	00	03160105	715
02444161	TOMBIGBEE RIVER BL ALICEVILLE LOCK AND DAM, AL	33 12 37	088 17 19	01	03160106	5750
02446500	SIPSEY RIVER NR ELROD, AL	33 15 25	087 46 35	00	03160107	528
02448500	NOXBEE RIVER NR GEIGER, AL	32 55 06	088 17 45	00	03160108	1090
02449000	TOMBIGBEE RIVER AT GAINESVILLE, AL	32 49 30	088 09 24	00	03160106	8700
02467001	TOMBIGBEE RIVER BL DEMOPOLIS LOCK AND DAM, AL	32 31 15	087 52 48	00	03160201	15300
SITES SAMPLED BUT NOT IN THE SURFACE-WATER NETWORK						
02448000	NOXBEE RIVER AT MACON, MS	33 06 08	088 33 40	00	03160108	768
02469762	TOMBIGBEE RIVER BL COFFEEVILLE LOCK AND DAM, AL	31 45 30	088 07 35	00	03160203	18500

DESCRIPTIONS OF SITES--Continued

STATION NUMBER	STATION NAME	MISCELLANEOUS SURFACE-WATER SITES	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	HYDRO- LOGIC UNIT CODE
343018088193035	TTW LOCK "E" POOL	SEDIMENTATION RANGE 6AE	34 30 18	088 19 30	35	03160101
342949088193735	TTW LOCK "E" POOL	MACKEYS CREEK INTAKE	34 29 49	088 19 37	35	03160101
02430014	MACKEYS CREEK EXIT	CHANNEL NR MOORES MILL, MS	34 29 49	088 19 37	00	03160101
342917088194935	TTW LOCK "E" POOL	RED BUD CREEK INTAKE	34 29 17	088 19 49	35	03160101
02430016	RED BUD CREEK EXIT	CHANNEL NR MOORES MILL, MS	34 29 17	088 19 49	00	03160101
342756088213535	TTW LOCK "E" POOL	SEDIMENTATION RANGE 1AE	34 27 56	088 21 35	35	03160101
342756088215400	TTW LOCK "E" LOCK	SPILLWAY EXIT CHANNEL	34 27 56	088 21 54	00	03160101
342704088234535	TTW LOCK "D" POOL	NAVIGATION MILE 404.8	34 27 04	088 23 45	35	03160101
342238088242835	TTW LOCK "D" POOL	MUD CREEK INTAKE	34 22 38	088 24 28	35	03160101
02431450	MUD CREEK EXIT	CHANNEL NR MANTACHIE, MS	34 22 38	088 24 28	00	03160101
342201088242935	TTW LOCK "D" POOL	SEDIMENTATION RANGE 1AD	34 22 01	088 24 29	35	03160101
342043088244535	TTW LOCK "C" POOL	NAVIGATION MILE 397.1	34 20 43	088 24 45	35	03160101
341628088254035	TTW LOCK "C" POOL	SEDIMENTATION RANGE 2AC	34 16 28	088 25 40	35	03160101
341413088244535	TTW LOCK "B" POOL	NAVIGATION MILE 389.4	34 14 13	088 24 45	35	03160101
340546088241935	TTW LOCK "B" POOL	BULL MOUNTAIN CREEK INTAKE	34 05 46	088 24 19	35	03160101
02433050	BULL MOUNTAIN CREEK	EXIT CHAN NR SMITHVILLE, MS	34 05 46	088 24 19	00	03160101
340424088250235	TTW LOCK "B" POOL	SEDIMENTATION RANGE 1AB	34 04 24	088 25 02	35	03160101
340428088252900	TTW LOCK "B" LOCK	SPILLWAY EXIT CHANNEL	34 04 28	088 25 29	00	03160101
340302088263535	TTW LOCK "A" POOL	NAVIGATION MILE 374.9	34 03 02	088 26 35	35	03160101
340209088274635	TTW LOCK "A" POOL	STANDIFER CREEK INTAKE	34 02 09	088 27 46	35	03160101
02433480	STANDIFER CREEK EXIT	CHANNEL NR AMORY, MS	34 02 09	088 27 46	00	03160101
340103088285435	TTW LOCK "A" POOL	SEDIMENTATION RANGE 1AA	34 01 03	088 28 54	35	03160101
340043088292435	TTW LOCK "A" LOCK	SPILLWAY EXIT CHANNEL	34 00 43	088 29 24	35	03160101
335708088314835	TTW ABERDEEN LAKE	SEDIMENTATION RANGE 12A	33 57 08	088 31 48	35	03160101
335655088315735	TTW ABERDEEN LAKE	ROUNDHOUSE BRANCH BENDWAY	33 56 55	088 31 57	35	03160101

DESCRIPTIONS OF SITES--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	HYDRO- LOGIC UNIT CODE
MISCELLANEOUS SURFACE-WATER SITES--Continued					
335618088320435	ABERDEEN LAKE	33 56 18	088 32 04	35	03160101
335606088315035	BECKER BENDWAY	33 56 06	088 31 50	35	03160101
335513088314835	MEAVER CREEK BENDWAY 11A	33 55 13	088 31 48	35	03160101
335442088322035	DRUMMOND BRANCH BENDWAY 10A	33 54 42	088 32 20	35	03160101
335008088311335	ACKER LAKE BENDWAY 8A	33 50 08	088 31 13	35	03160101
335018088315835	SEDIMENTATION RANGE 1A	33 50 18	088 31 58	35	03160101
334803088304235	MINIMUM FLOW EXIT CHANNEL	33 48 03	088 30 42	35	03160101
334755088290935	MORGAN LANDING BENDWAY	33 47 55	088 29 09	35	03160101
334732088300235	JAMES CREEK BENDWAY 74A	33 47 32	088 30 02	35	03160101
334608088293735	SEDIMENTATION RANGE 80A	33 46 08	088 29 37	35	03160101
334411088292335	DEAD RIVER BENDWAY	33 44 11	088 29 23	35	03160101
334358088295935	LOCKRIDGE CREEK BENDWAY	33 43 58	088 29 59	35	03160101
334325088295135	NEW HAMILTON BENDWAY	33 43 25	088 29 51	35	03160101
334219088281935	RICHARDSON LAKE BENDWAY	33 42 19	088 28 19	35	03160101
334143088290335	MCKINLEY CREEK BENDWAY 50A	33 41 43	088 29 03	35	03160101
334118088300335	CANE CREEK BENDWAY 44A	33 41 18	088 30 03	35	03160101
334025088292835	DENNON CREEK BENDWAY 40A	33 40 25	088 29 28	35	03160101
333927088304935	VINTON CREEK BENDWAY 55A	33 39 27	088 30 49	35	03160101
333808088300635	BUTTAHATCHEE R BENDWAY 26A	33 38 08	088 30 06	35	03160101
333721088301235	BARTON FERRY BENDWAY	33 37 21	088 30 12	35	03160101
333625088284435	TOWN CREEK BENDWAY 16A	33 36 25	088 28 44	35	03160101
333445088294135	STINSON CREEK BENDWAY 10A	33 34 45	088 29 41	35	03160101
333358088291235	WAVERLY MANSION BENDWAY 7A	33 33 58	088 29 12	35	03160101
333338088293035	WAVERLY BENDWAY 6A	33 33 38	088 29 50	35	03160101
333119088291435	WAVERLY FERRY BENDWAY 5A	33 31 19	088 29 14	35	03160101
	SEDIMENTATION RANGE 1A				

DESCRIPTIONS OF SITES--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	HYDRO- LOGIC UNIT CODE
MISCELLANEOUS SURFACE-WATER SITES--Continued					
333114088295935	TTW COLUMBUS LOCK MINIMUM FLOW EXIT CHANNEL	33 31 14	088 29 59	35	03160101
332636088281600	TTW ALICEVILLE LAKE SEDIMENTATION RANGE 24A	33 26 36	088 28 16	00	03160101
02441498	TOMBIGBEE R COLUMBUS BEND SR 11B AT COLUMBUS, MS	33 26 06	088 29 38	35	03160101
02443610	TOMBIGBEE R AT PRATT CAMP SR 5HB 8L COLUMBUS, MS	33 20 30	088 23 40	00	03160106
331518088173900	TTW ALICEVILLE LAKE COAL FIRE CREEK BENDWAY	33 15 18	088 17 39	00	03160106
331353088162700	TTW ALICEVILLE LAKE PICKENSVILLE BENDWAY	33 13 53	088 16 27	00	03160106
02444158	TOMBIGBEE RIVER AB ALICEVILLE LOCK AND DAM, AL	33 13 08	088 17 10	00	03160106
02444210	TOMBIGBEE R BIG CREEK BEND NR PICKENSVILLE, AL	33 11 11	088 16 03	00	03160106
330925088164900	TTW GAINESVILLE LAKE OML CREEK BENDWAY	33 09 25	088 16 49	00	03160106
330818088171600	TTW GAINESVILLE LAKE SEDIMENTATION RANGE 13A	33 08 18	088 17 16	00	03160106
330417088114100	TTW GAINESVILLE LAKE LUBBUB CREEK BENDWAY	33 04 17	088 11 41	00	03160106
330302088131200	TTW GAINESVILLE LAKE COCHRANE BENDWAY	33 03 02	088 13 12	00	03160106
330144088135900	TTW GAINESVILLE LAKE WINDHAM LANDING BENDWAY	33 01 44	088 13 59	00	03160106
02447010	TOMBIGBEE RIVER AT COOKS BENDWAY NR WARSAW, AL	32 57 38	088 11 14	00	03160106
325609088114900	TTW GAINESVILLE LAKE WARSAW BENDWAY	32 56 09	088 11 49	00	03160106
02447020	TOMBIGBEE RIVER AB GAINESVILLE LOCK AND DAM, AL	32 51 38	088 09 25	00	03160106
324509088062500	TTW DEMOPOLIS LAKE SEDIMENTATION RANGE 5C	32 45 09	088 06 25	00	03160106
323718087524600	TTW DEMOPOLIS LAKE RATTLESNAKE BEND BENDWAY	32 37 18	087 52 46	00	03160113
02466998	TOMBIGBEE RIVER AB DEMOPOLIS LOCK AND DAM, AL	32 30 55	087 51 27	00	03160201

APPENDIX B  
SURFACE-WATER DATA

STAGE AND DISCHARGE RECORDS



02430100 MACKEYS CREEK NEAR MOORES MILL, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.00	2.02	3.16	2.90	2.74	2.52	2.58	2.60	1.64	1.62	1.66	1.94
2	2.04	2.06	3.16	2.88	2.70	2.50	2.63	2.72	1.65	1.63	1.63	1.84
3	1.98	2.05	3.18	2.94	2.68	2.48	2.59	2.63	1.62	1.69	1.64	1.77
4	2.00	2.04	3.08	2.97	2.67	2.48	2.56	2.61	1.62	1.68	1.64	1.74
5	1.92	2.03	3.06	2.90	2.72	2.48	2.58	2.60	1.59	1.68	1.61	1.69
6	1.88	2.02	3.08	2.90	2.70	2.47	2.58	2.58	1.60	1.72	1.63	1.67
7	2.06	2.01	3.08	2.89	2.66	2.45	2.55	2.81	1.66	1.65	1.64	1.63
8	2.24	2.13	3.12	2.87	2.63	2.45	2.53	3.09	1.65	1.68	1.63	1.63
9	1.92	2.42	3.13	2.85	2.63	2.53	2.52	2.94	1.65	1.65	1.64	1.62
10	1.83	2.72	3.07	2.87	2.66	2.47	2.53	2.91	1.66	1.67	1.65	1.59
11	1.87	3.02	3.02	2.83	2.89	2.73	2.49	2.83	1.71	1.66	1.62	1.59
12	1.77	3.06	3.06	2.81	2.73	2.96	2.51	2.75	1.70	1.66	1.65	1.57
13	1.69	3.14	3.04	2.81	2.66	2.91	2.48	2.73	1.68	1.68	1.64	1.57
14	1.67	3.25	3.04	2.81	2.63	2.86	2.50	2.70	1.65	1.68	1.62	1.57
15	1.52	3.31	3.05	2.80	2.62	2.84	2.49	2.72	1.64	1.66	1.61	1.55
16	1.78	3.36	3.11	2.82	2.60	2.83	2.48	2.69	1.68	1.68	1.76	1.57
17	1.83	3.33	3.11	2.86	2.59	2.72	2.47	2.65	1.68	1.68	1.75	1.58
18	1.73	3.45	3.03	2.78	2.58	2.72	2.46	2.68	1.75	1.67	1.65	1.56
19	1.70	3.54	3.07	2.77	2.60	2.74	2.42	2.68	1.67	1.71	1.63	1.55
20	1.70	3.40	3.06	2.75	2.60	2.64	2.41	2.59	1.69	1.70	1.70	1.56
21	1.81	3.21	2.98	2.78	2.61	2.67	2.43	2.59	1.68	1.67	1.64	1.57
22	1.88	3.17	2.95	2.81	2.61	2.76	2.39	2.59	1.67	1.62	1.61	1.58
23	1.91	3.19	2.96	2.77	2.62	2.63	2.42	2.58	1.68	1.68	1.91	1.58
24	1.70	3.17	2.94	2.78	2.68	2.61	2.57	2.56	1.63	1.65	2.60	1.53
25	1.71	3.17	2.94	2.74	2.63	2.60	2.42	2.53	1.67	1.65	2.44	1.55
26	1.95	3.16	2.92	2.72	2.57	2.60	2.40	2.55	1.68	1.74	2.47	1.54
27	1.93	3.31	2.97	2.73	2.54	2.60	2.45	2.55	1.66	1.72	2.43	1.54
28	1.93	3.40	2.94	2.74	2.51	2.60	2.40	2.54	1.67	1.66	2.26	1.52
29	1.93	3.34	2.94	2.69	---	2.57	2.44	2.56	1.66	1.65	2.07	1.52
30	1.87	3.28	2.94	2.70	---	2.57	2.39	2.37	1.63	1.63	2.05	1.55
31	1.96	---	2.92	2.70	---	2.62	---	1.72	---	1.64	2.00	---
MEAN	1.86	2.89	3.04	2.81	2.65	2.63	2.49	2.63	1.66	1.67	1.82	1.61
MAX	2.24	3.54	3.18	2.97	2.89	2.96	2.63	3.09	1.75	1.74	2.60	1.94
MIN	1.52	2.01	2.92	2.69	2.51	2.45	2.39	1.72	1.59	1.62	1.61	1.52
WTR YR 1985	MEAN 2.31	MAX 3.54	MIN 1.52									

02430100 MACKEYS CREEK NEAR MOORES MILL, MS---Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	15	69	56	50	44	46	47	11	10	11	18
2	18	17	69	56	48	43	49	53	11	11	10	15
3	16	16	70	58	47	42	47	48	10	13	10	13
4	17	16	64	60	47	42	45	47	10	13	10	12
5	15	16	63	56	50	42	46	47	9.4	13	9.7	11
6	13	16	64	56	49	42	46	46	9.9	13	10	10
7	19	16	64	56	47	41	45	57	11	12	10	9.1
8	25	20	67	55	46	41	44	70	11	12	10	9.1
9	14	30	68	54	46	45	44	63	11	12	10	8.9
10	12	43	64	55	48	42	44	62	11	12	11	8.2
11	13	60	62	53	59	54	42	58	13	12	9.7	8.3
12	10	62	64	52	51	65	43	55	12	12	10	7.9
13	8.3	67	63	52	48	63	42	53	12	12	10	7.9
14	8.1	74	63	52	47	61	43	52	11	12	9.7	7.7
15	5.1	78	63	52	46	60	42	53	11	12	9.4	7.4
16	10	81	67	53	45	59	42	51	12	12	14	7.9
17	11	79	67	55	45	57	41	49	12	12	13	8.0
18	8.9	88	63	50	45	54	40	50	14	12	10	7.3
19	8.0	93	65	50	46	55	38	51	12	13	9.5	7.2
20	8.1	84	64	49	46	49	38	46	12	12	11	7.4
21	11	71	60	52	46	51	39	46	12	12	9.8	7.5
22	13	70	58	53	47	55	37	46	12	10	9.1	7.8
23	13	71	59	51	47	48	38	45	12	11	20	7.8
24	7.9	70	58	51	51	48	46	45	11	11	45	6.7
25	8.1	70	58	49	48	47	38	43	12	11	37	7.2
26	14	69	57	48	46	47	38	44	12	14	39	6.9
27	13	79	59	49	44	47	40	44	11	13	37	6.9
28	13	84	58	50	43	47	38	44	12	13	30	6.2
29	13	81	58	47	---	46	39	45	12	11	22	6.3
30	12	76	58	48	---	46	37	37	11	10	22	7.0
31	14	---	57	48	---	48	---	12	---	11	20	---
MEAN	12.5	57.1	62.7	52.5	47.4	49.4	41.9	48.7	11.4	11.8	16.1	8.72
MAX	25	93	70	60	59	65	49	70	14	14	45	18
MIN	5.1	15	57	47	43	41	37	12	9.4	10	9.1	6.2
CFSM	.11	.49	.53	.45	.40	.42	.36	.41	.10	.10	.14	.07
IN.	.12	.54	.61	.51	.42	.48	.40	.48	.11	.12	.16	.08
WTR YR 1985	MEAN 35.0	MIN 5.1	CFSM .30	IN 4.04								

03592718 LITTLE YELLOW CREEK EAST NEAR BURNSVILLE, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.82	---	8.25	7.99	8.93	8.06	8.31	9.43	7.21	7.10	---	6.48
2	6.88	---	9.14	7.76	8.33	8.01	7.98	9.33	7.16	7.11	---	6.49
3	6.87	7.46	8.83	8.33	8.10	7.95	7.84	8.29	7.12	7.08	---	6.47
4	7.29	7.39	8.10	8.89	8.03	8.00	7.76	8.00	7.10	---	---	6.51
5	6.95	7.33	8.10	8.04	9.76	8.26	8.01	7.83	7.08	---	---	6.53
6	6.82	7.27	8.46	7.91	10.05	7.89	8.31	7.70	7.07	---	---	6.49
7	7.08	7.28	7.94	7.97	9.11	7.83	7.84	8.01	7.07	---	---	6.49
8	9.62	7.31	7.90	8.04	8.52	7.82	7.72	9.34	7.14	---	---	6.49
9	7.47	7.30	7.84	7.86	8.35	7.85	7.68	8.27	7.14	---	---	6.48
10	7.05	8.05	7.81	8.47	9.25	7.79	7.66	8.06	7.12	---	---	6.48
11	6.99	7.82	7.74	8.16	12.37	7.77	7.60	7.93	7.43	---	---	6.48
12	6.98	7.49	7.73	7.86	10.63	7.74	7.65	7.70	8.17	---	---	6.48
13	7.04	7.41	7.73	7.76	9.50	7.66	7.67	7.53	7.26	---	---	6.47
14	7.09	7.37	7.72	7.81	9.11	7.67	8.27	7.41	7.13	---	---	6.46
15	7.09	7.79	7.64	7.71	8.74	7.61	9.23	7.34	7.10	---	---	6.46
16	7.10	8.06	7.62	7.94	8.45	7.60	8.39	7.32	7.13	---	---	6.46
17	8.23	7.59	7.63	9.49	8.37	7.60	7.96	7.31	7.13	---	---	6.45
18	7.51	9.13	7.67	8.34	8.31	7.54	7.81	7.29	8.37	---	---	6.44
19	7.23	10.78	7.66	8.04	8.56	7.53	7.70	7.28	7.42	---	---	6.43
20	7.25	8.36	9.00	7.80	8.36	7.53	7.61	7.27	7.19	---	---	6.42
21	8.35	7.96	8.40	7.66	8.19	8.31	7.54	7.25	7.12	---	7.22	6.41
22	9.65	7.77	8.78	7.69	8.10	11.79	7.49	7.24	7.10	---	6.67	6.40
23	10.99	7.69	8.01	7.82	8.09	9.11	7.66	7.22	7.18	---	6.56	6.42
24	8.68	7.65	7.99	7.92	10.19	8.42	13.38	7.20	7.12	---	6.83	6.67
25	7.91	7.61	8.25	7.84	8.97	8.00	9.51	7.16	7.16	---	7.36	6.46
26	7.86	7.56	7.88	7.61	8.61	7.83	8.62	7.16	7.20	---	6.73	6.65
27	7.48	9.86	7.80	7.69	8.30	7.97	8.51	7.11	7.13	---	6.57	6.47
28	7.54	10.96	7.76	8.44	8.12	8.00	8.28	7.21	7.31	---	6.52	6.43
29	7.51	8.82	7.73	7.94	---	7.82	8.00	8.34	7.22	---	6.49	6.42
30	---	8.50	7.72	8.02	---	7.72	7.85	7.36	7.16	---	6.48	6.88
31	---	---	7.71	8.86	---	9.62	---	7.23	---	---	6.47	---
MEAN	---	---	8.02	8.05	8.91	8.07	8.19	7.71	7.24	---	---	6.49
MAX	---	---	9.14	9.49	12.37	11.79	13.38	9.43	8.37	---	---	6.88
MIN	---	---	7.62	7.61	8.03	7.53	7.49	7.11	7.07	---	---	6.40

03592718 LITTLE YELLOW CREEK EAST NEAR BURNSVILLE, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	90	39	30	63	32	39	88	8.2	6.5	5.0	7.2
2	3.5	68	81	23	39	30	29	80	7.5	6.7	4.3	7.3
3	3.5	44	62	47	31	28	25	38	6.7	6.1	3.8	7.0
4	12	14	34	65	29	30	22	28	6.5	15	3.8	7.8
5	4.8	13	34	32	107	38	31	23	6.2	9.6	31	8.2
6	3.3	12	46	28	116	27	40	20	6.1	7.9	18	7.4
7	7.1	12	29	30	68	25	25	31	6.1	6.3	7.1	7.4
8	100	12	27	32	46	25	21	79	7.1	6.3	4.3	7.4
9	15	12	26	26	40	26	20	36	7.1	6.2	3.8	7.3
10	6.4	34	25	47	81	24	20	29	6.8	5.6	2.8	7.2
11	5.6	25	23	36	358	23	18	25	15	5.6	2.8	7.2
12	5.3	16	23	26	155	22	19	19	35	5.4	2.6	7.2
13	6.2	15	23	24	86	20	20	15	9.0	5.4	2.8	7.1
14	6.9	14	22	25	68	20	43	12	7.0	5.4	2.8	6.9
15	6.8	26	20	22	54	19	75	11	6.4	15	2.8	6.8
16	7.1	33	20	31	43	19	42	10	7.0	99	93	6.8
17	36	19	20	88	40	19	28	10	7.2	17	98	6.7
18	15	98	21	39	38	17	24	9.7	41	5.0	32	6.5
19	9.3	172	21	29	47	17	21	9.4	12	3.8	21	6.3
20	9.6	43	69	22	40	17	18	9.2	7.9	3.3	50	6.1
21	40	29	44	19	34	44	17	9.0	6.7	3.1	26	6.0
22	102	24	59	20	31	294	16	8.7	6.5	11	11	5.8
23	174	21	31	23	31	69	23	8.4	7.8	15	8.7	6.2
24	52	20	31	26	126	42	568	8.1	6.8	4.3	16	11
25	26	19	39	24	64	28	88	7.5	7.5	20	31	6.8
26	27	18	27	17	50	23	49	7.3	8.0	26	12	11
27	14	145	25	19	40	27	45	6.7	7.0	38	8.9	7.0
28	16	181	23	43	34	28	37	8.6	9.9	16	7.9	6.3
29	15	60	23	26	---	23	28	40	8.3	13	7.4	6.1
30	15	48	22	29	---	20	24	11	7.3	8.7	7.2	18
31	21	---	22	62	---	99	---	8.6	---	6.1	7.0	---
MEAN	24.8	44.6	32.6	32.6	70.0	37.9	49.2	22.8	9.72	13.0	17.3	7.53
MAX	174	181	81	88	358	294	568	88	41	99	98	18
MIN	3.2	12	20	17	29	17	16	6.7	6.1	3.1	2.6	5.8
CFSM	1.00	1.81	1.32	1.32	2.83	1.53	1.99	.92	.39	.53	.70	.31
IN.	1.16	2.01	1.52	1.52	2.95	1.77	2.22	1.06	.44	.61	.81	.34
WTR YR 1985	MEAN 29.9	MAX 568	MIN 2.6	CFSM 1.21	IN 16.41							

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.85	10.05	---	9.01	9.40	8.92	11.23	13.99	13.67	13.34	12.36	12.35
2	10.85	10.07	---	8.96	9.43	8.49	11.40	14.50	13.45	13.60	12.41	12.11
3	10.75	10.02	---	8.71	9.47	8.51	11.63	14.57	13.39	13.64	12.36	11.69
4	10.69	10.05	---	9.11	9.41	8.60	11.95	14.34	13.67	13.86	12.16	11.83
5	10.58	9.93	---	9.11	9.40	8.59	12.19	14.10	14.13	13.88	12.15	11.82
6	10.48	10.16	---	9.35	9.78	8.79	12.32	13.91	13.94	13.51	12.37	11.75
7	10.54	9.84	---	9.47	9.55	8.87	12.30	13.80	13.60	13.17	12.49	11.54
8	11.04	9.88	---	9.28	9.32	8.89	12.50	13.87	13.48	12.99	12.69	11.10
9	11.09	9.87	---	9.22	9.41	8.96	12.94	14.02	13.33	13.17	12.73	10.87
10	10.97	9.48	---	8.93	9.30	9.05	12.94	13.66	13.43	13.30	12.48	11.03
11	10.79	9.52	---	8.89	9.53	9.10	12.88	13.71	13.50	13.40	12.18	11.24
12	10.55	9.67	---	8.94	10.08	9.01	12.90	13.81	13.60	13.57	12.05	11.40
13	10.46	9.54	---	9.32	10.54	8.92	12.82	13.87	13.75	13.05	12.32	11.67
14	10.42	9.86	---	9.37	10.45	8.83	12.66	13.82	13.57	12.71	12.61	11.61
15	10.41	9.87	---	8.91	10.40	9.04	12.70	13.72	13.25	12.75	12.72	11.17
16	10.54	9.98	---	9.10	10.44	9.13	12.78	13.53	13.06	12.78	13.03	10.95
17	10.42	9.84	---	9.32	9.99	9.06	12.87	13.47	13.14	12.99	13.42	11.04
18	10.49	9.88	---	9.33	9.75	9.02	12.99	13.59	13.39	13.18	13.14	10.99
19	10.51	10.20	---	9.49	9.45	9.04	13.13	13.70	13.71	13.00	12.88	10.92
20	10.53	9.63	8.99	9.54	9.34	9.12	13.34	13.67	13.76	12.71	12.70	10.86
21	10.66	9.22	9.10	9.57	9.02	9.20	13.19	13.67	13.75	12.41	12.55	10.93
22	10.70	9.03	9.08	9.52	8.61	9.44	13.12	13.71	13.53	12.35	12.41	10.60
23	10.71	9.33	8.97	9.39	8.54	9.66	13.24	13.71	13.25	12.51	12.13	10.62
24	10.61	9.70	9.09	9.35	8.96	9.74	13.79	13.72	13.20	12.57	11.87	10.85
25	10.38	9.77	9.20	9.20	9.23	9.86	13.95	13.73	13.56	12.75	11.89	10.92
26	9.83	9.80	9.04	9.06	9.19	10.11	13.99	13.82	13.56	12.91	11.91	10.98
27	9.51	9.69	8.74	9.04	9.26	10.34	13.97	13.78	13.85	13.01	12.24	11.12
28	9.87	---	8.78	9.02	9.28	10.53	13.93	13.82	13.77	12.90	12.50	11.25
29	10.04	---	9.14	9.08	---	10.67	13.86	14.01	13.34	12.22	12.69	11.20
30	10.14	---	9.10	9.10	---	10.75	13.83	13.98	13.34	12.43	12.81	11.05
31	10.14	---	8.94	9.18	---	11.04	---	13.87	---	12.40	12.49	---
MEAN	10.50	---	---	9.19	9.52	9.33	12.91	13.85	13.53	13.00	12.48	11.25
MAX	11.09	---	---	9.57	10.54	11.04	13.99	14.57	14.13	13.88	13.42	12.35
MIN	9.51	---	---	8.71	8.54	8.49	11.23	13.47	13.06	12.22	11.87	10.60

APPENDIX B  
SURFACE-WATER DATA  
WATER-QUALITY ANALYSES

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, (PER- CENT SATUR- ATION)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	
NOV 19...	1055	91	6.5	12.0	75	34	9.4	87	28	1200
FEB 19...	1430	94	6.7	5.5	30	10	12.3	98	12	<10
JUN 12...	1045	146	7.3	26.5	5	3.1	5.7	72	14	K9
JUL 31...	1545	153	7.8	30.0	15	5.1	7.4	98	<10	<5

DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	ALKA- LINITY LAB (MG/L AS CAC03)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)
NOV 19...	2.5	25	6.0	58	.08	<.10	.230	.37	.60
FEB 19...	1.6	22	7.1	83	.11	.10	<.010	--	.40
JUN 12...	5.3	51	2.0	96	.13	.10	.260	.14	.40
JUL 31...	12	52	3.4	125	.17	<.10	.010	.39	.40

DATE	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	PHENOLS TOTAL (UG/L)
NOV 19...	--	.050	<.010	2300	280	210	150	<.1	10
FEB 19...	.50	.070	<.010	1000	210	200	190	<.1	3
JUN 12...	.50	<.010	<.010	510	17	130	22	<.1	1
JUL 31...	--	<.010	<.010	390	39	100	9	.1	<1

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)
NOV 19...	<.1	<.10	<.1	<.010	<.010	<.010	<.01	<.010	<.010
FEB 19...	<.1	<.10	<.1	<.010	<.010	<.010	<.01	<.010	<.010
JUN 12...	<.1	<.10	<.1	<.010	<.010	<.010	<.01	<.010	<.010
JUL 31...	<.1	<.10	<.1	<.010	<.010	<.010	<.01	<.010	<.010

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, EPOXIDE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-THION, TOTAL (UG/L)	METHYL-PARA-THION, TOTAL (UG/L)	METHYL-TRI-THION, TOTAL (UG/L)
NOV 19...	<.010	<.01	<.010	<.010	<.010	<.010	<.01	<.01	<.01
FEB 19...	<.010	<.01	<.010	<.010	<.010	<.010	<.01	<.01	<.01
JUN 12...	<.010	<.01	<.010	<.010	<.010	<.010	<.01	<.01	<.01
JUL 31...	<.010	<.01	<.010	<.010	<.010	<.010	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP, TOTAL (UG/L)	2,4,5-T, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 19...	<.01	<.01	<.1	<.1	.01	<.01	<.01	<.01
FEB 19...	<.01	<.01	<.1	<.1	<.01	<.01	<.01	<.01
JUN 12...	<.01	<.01	<.1	<.1	<.01	<.01	<.01	<.01
JUL 31...	<.01	<.01	<.1	<.1	.03	<.01	<.01	<.01



03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued  
 SPECIFIC CONDUCTANCE, MICRO SIEMENS PER CENTIMETER AT 25 DEG. C, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	OCTOBER					NOVEMBER					DECEMBER					JANUARY			
	MAX	MIN	MEAN	MAX	MIN	MAX	MIN	MEAN	MAX	MIN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	1	169	151	160	140	131	137	118	115	118	112	115	89	79	83				
2	167	156	162	136	132	134	119	117	119	115	117								
3	174	156	166	135	120	127	116	109	116	99	109								
4	170	160	166	131	127	129	107	101	107	92	101								
5	180	162	173	131	122	128	103	100	103	97	100								
6	181	167	176	132	124	128	118	107	118	95	107								
7	182	165	179	129	115	122	126	117	126	111	117								
8	177	142	162	127	109	115	122	112	122	106	112								
9	168	150	157	128	124	126	107	103	107	99	103								
10	166	140	153	125	104	110	101	98	101	95	98								
11	157	133	143	106	103	105	96	95	96	94	95								
12	170	150	159	119	109	118	94	92	94	90	92								
13	172	165	168	119	107	115	90	88	90	84	88								
14	166	159	163	120	115	117	87	85	87	84	85								
15	165	160	164	121	115	118	90	89	90	88	89								
16	163	154	157	122	119	121	91	88	91	82	88								
17	163	149	155	120	105	114	87	84	87	81	84								
18	159	151	156	118	94	110	88	85	88	83	85								
19	155	151	152	106	91	95	89	88	89	86	88								
20	153	141	148	105	72	90	88	85	88	82	85								
21	146	142	144	120	80	108	84	79	84	74	79								
22	143	109	130	140	112	124	87	80	87	75	80								
23	123	98	111	113	108	111	79	69	79	60	69								
24	120	100	110	110	104	107	76	66	76	61	66								
25	127	101	115	110	105	107	79	77	79	75	77								
26	143	131	137	109	104	106	79	69	79	62	69								
27	141	132	137	105	87	98	86	73	86	62	73								
28	136	133	135	96	75	88	94	88	94	81	88								
29	137	132	134	99	81	91	81	80	81	78	80								
30	138	133	136	113	92	106	82	75	82	75	80								
31	140	136	138	---	---	---	80	77	80	76	77								
MONTH	182	98	150	140	72	114	126	90	126	60	90								

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued  
 SPECIFIC CONDUCTANCE, MICRO SIEMENS PER CENTIMETER AT 25 DEG. C, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	80	59	73	98	90	93	91	73	81
2	---	---	---	98	76	91	97	91	95	123	85	115
3	---	---	---	99	89	94	99	96	98	122	112	118
4	---	---	---	94	86	90	101	96	98	122	83	103
5	---	---	---	93	82	89	113	106	108	92	75	81
6	---	---	---	83	81	82	109	106	108	90	74	79
7	---	---	---	83	80	82	109	103	106	78	76	77
8	---	---	---	83	77	80	---	---	---	94	76	80
9	---	---	---	82	79	80	115	111	113	92	83	89
10	---	---	---	81	79	80	117	110	114	91	71	79
11	---	---	---	83	74	79	114	111	113	87	76	79
12	---	---	---	83	76	79	117	112	114	100	81	90
13	---	---	---	77	65	69	113	107	110	111	97	103
14	---	---	---	72	66	68	111	96	99	117	91	104
15	---	---	---	79	66	71	112	94	100	123	98	110
16	---	---	---	80	76	78	109	96	102	116	88	105
17	---	---	---	81	75	79	111	97	103	107	91	97
18	---	---	---	79	72	76	114	102	105	116	108	111
19	---	---	---	79	71	74	---	---	---	121	115	119
20	107	95	98	81	71	77	---	---	---	122	119	120
21	109	94	103	82	78	80	---	---	---	122	121	122
22	119	108	115	80	51	60	---	---	---	126	119	122
23	117	99	112	55	50	52	---	---	---	126	122	124
24	102	88	95	73	52	62	---	---	---	126	122	125
25	97	89	93	75	62	70	---	---	---	129	123	126
26	95	74	87	78	74	76	101	84	92	135	128	131
27	87	75	84	82	75	78	112	84	102	137	131	134
28	87	65	81	86	78	82	125	90	107	138	133	137
29	---	---	---	87	84	86	96	83	91	140	129	136
30	---	---	---	91	84	87	89	75	83	140	132	137
31	---	---	---	96	84	89	---	---	---	143	136	140
MONTH	---	---	---	99	50	78	---	---	---	143	71	109

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued  
 SPECIFIC CONDUCTANCE, MICRO SIEMENS PER CENTIMETER AT 25 DEG. C, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	148	139	142	152	147	149	147	142	144	142	137	140
2	142	135	140	152	150	151	149	144	147	143	132	140
3	146	136	142	154	149	152	151	148	149	137	132	135
4	147	144	146	154	150	152	150	148	149	144	135	141
5	153	145	149	151	145	148	151	147	149	144	140	142
6	153	144	149	150	143	146	152	149	151	144	139	142
7	146	144	145	148	137	143	153	151	152	142	130	138
8	150	144	146	148	138	141	153	151	152	136	128	133
9	149	144	146	151	148	150	155	152	154	140	136	138
10	150	146	148	155	151	153	156	151	154	141	138	139
11	150	147	149	154	150	152	155	150	153	142	139	140
12	150	146	148	157	153	155	154	148	150	144	141	143
13	151	149	150	157	153	155	160	154	157	146	143	145
14	151	147	149	156	153	154	162	158	159	145	143	144
15	148	144	145	159	150	155	162	160	161	143	141	142
16	150	141	145	152	148	151	160	157	159	142	135	139
17	151	145	148	153	149	152	157	135	150	143	140	142
18	150	142	147	155	153	154	156	128	142	144	141	142
19	151	146	149	156	147	153	145	122	133	146	141	143
20	153	150	151	153	147	149	137	123	129	147	142	145
21	156	150	151	150	148	149	132	124	128	147	145	146
22	158	147	152	152	148	151	140	125	132	146	141	144
23	155	143	148	155	152	154	134	126	131	147	142	145
24	156	142	148	155	152	153	138	132	134	148	146	147
25	156	151	154	154	152	153	138	134	135	148	145	146
26	154	149	151	155	151	153	135	134	135	147	143	145
27	155	151	154	154	149	152	138	135	136	148	142	146
28	155	150	153	151	133	147	151	137	139	151	148	149
29	152	144	147	143	131	139	144	139	142	150	147	149
30	150	145	147	147	140	144	145	141	144	149	146	148
31	---	---	---	147	142	145	147	137	143	---	---	---
MONTH	158	135	148	159	131	150	162	122	145	151	128	143
YEAR	182	50	122									

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS---Continued  
 PH (STANDARD UNITS), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	7.2	7.1	6.6	6.5	7.0	6.9	7.9	7.5	7.7	7.1	7.3	7.1
2	7.3	7.1	7.0	7.0	7.0	6.9	7.9	7.5	7.9	7.5	7.4	7.2
3	7.2	7.1	7.3	7.0	7.1	6.8	7.6	7.4	7.8	7.5	7.3	7.2
4	7.2	7.1	7.5	6.8	7.4	6.9	7.5	7.4	7.5	7.3	7.5	7.4
5	7.3	7.1	6.9	6.7	7.6	7.2	7.6	7.2	7.5	7.3	7.6	7.5
6	7.1	7.1	6.9	6.7	7.8	7.2	7.5	7.3	7.5	7.3	7.5	7.3
7	7.1	7.0	6.7	6.7	7.3	7.1	7.5	7.4	7.5	7.3	7.3	7.0
8	7.1	7.0	7.1	6.7	7.3	7.1	7.5	7.1	7.6	7.3	7.2	7.1
9	7.1	7.1	7.0	6.9	7.3	7.0	7.4	7.2	7.7	7.4	7.4	7.1
10	7.1	7.0	7.0	6.7	7.4	7.1	7.3	7.1	7.7	7.2	7.4	7.3
11	7.1	6.9	6.9	6.7	7.5	7.3	7.3	7.1	7.4	7.2	7.6	7.2
12	7.1	7.0	7.1	6.7	8.1	7.2	7.3	7.0	7.4	7.1	7.7	7.6
13	7.0	6.9	7.1	6.9	7.8	7.5	7.3	7.0	7.4	7.0	7.8	7.7
14	7.0	6.8	7.1	6.9	7.7	7.3	7.3	7.1	7.5	7.0	7.8	7.4
15	7.1	6.8	7.1	6.9	7.5	7.2	7.5	7.1	7.2	7.0	7.5	7.3
16	7.2	7.0	7.1	6.9	7.5	7.2	7.4	7.2	7.2	7.1	7.4	7.3
17	7.3	7.0	7.2	6.9	7.5	7.2	7.8	7.3	7.5	7.0	7.6	7.4
18	7.4	7.0	7.3	7.0	7.5	7.3	7.8	7.3	7.5	6.9	7.6	7.3
19	7.3	7.2	7.3	7.0	7.8	7.2	7.5	7.3	7.2	6.9	7.7	7.4
20	7.4	7.2	7.1	7.0	7.8	7.3	7.4	7.3	7.2	6.9	7.7	7.3
21	7.3	7.2	7.2	7.0	7.5	7.3	7.3	7.2	7.2	6.9	7.6	7.3
22	7.2	7.1	7.3	7.0	7.4	7.3	7.2	7.0	7.5	7.0	7.4	7.2
23	7.3	7.2	7.4	7.1	7.4	7.2	7.6	7.1	7.3	6.8	7.6	7.2
24	7.3	6.7	7.4	7.1	7.4	7.2	7.6	7.3	7.0	6.9	7.8	7.4
25	7.0	6.8	7.5	7.0	7.7	7.2	7.5	7.4	7.2	7.0	7.8	7.4
26	6.8	6.6	7.3	7.0	7.5	7.4	7.5	7.3	7.2	7.0	7.8	7.5
27	6.9	6.7	7.2	7.1	7.8	7.2	7.4	7.3	7.9	7.4	7.8	7.5
28	6.8	6.7	7.4	7.0	7.7	7.2	7.4	7.1	8.0	7.5	7.8	7.5
29	6.7	6.6	7.4	7.0	7.4	7.3	7.2	7.1	8.0	7.5	7.7	7.3
30	6.7	6.6	7.1	7.0	8.0	7.4	7.2	7.0	7.8	7.1	7.4	7.2
31	---	---	7.2	7.0	---	---	7.6	7.0	7.4	7.1	---	---
MONTH	7.4	6.6	7.5	6.5	8.1	6.8	7.9	7.0	8.0	6.8	7.8	7.0
YEAR	8.1	6.2										

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued  
 TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	21.0	19.5	20.0	22.5	22.0	22.5	11.0	10.0	10.5	15.0	13.5	14.5
2	20.0	19.0	19.5	21.5	20.0	20.5	11.0	10.5	10.5	13.5	12.0	12.5
3	20.0	19.0	19.5	20.0	18.5	19.5	11.0	10.0	10.5	12.5	10.0	11.0
4	19.5	19.0	19.5	19.0	18.5	18.5	10.0	9.0	9.5	10.0	7.0	9.0
5	20.0	19.0	19.5	19.0	18.0	18.5	9.0	8.5	9.0	8.0	6.5	7.5
6	20.5	19.5	20.0	18.5	17.0	17.5	8.5	7.0	8.0	7.0	5.5	6.5
7	20.5	20.0	20.0	17.5	16.5	17.0	7.5	6.0	7.0	6.5	5.5	6.0
8	21.0	20.0	20.0	17.0	16.0	16.5	7.5	6.0	7.0	6.5	5.5	6.0
9	21.0	20.5	20.5	16.5	16.0	16.0	8.0	6.5	7.5	6.5	5.5	6.0
10	21.0	20.5	21.0	16.5	16.0	16.0	9.0	8.0	8.5	6.5	6.0	6.5
11	21.5	20.5	21.0	15.5	14.5	15.0	8.5	8.5	8.5	6.5	5.5	6.0
12	22.5	21.5	22.0	14.0	13.0	13.5	9.0	8.0	8.5	6.0	5.0	5.5
13	22.5	22.0	22.0	13.5	13.0	13.0	10.0	9.0	9.5	5.0	3.5	4.0
14	22.0	21.5	22.0	13.0	12.5	13.0	11.0	10.0	10.5	4.0	3.5	3.5
15	22.5	22.0	22.0	13.5	12.5	13.0	11.5	10.5	11.0	5.0	3.5	4.5
16	22.5	22.0	22.0	13.5	13.0	13.0	12.0	11.0	11.5	4.5	4.5	4.5
17	23.0	22.5	23.0	13.0	12.0	12.5	12.5	12.0	12.0	4.5	4.0	4.0
18	23.0	22.5	23.0	12.5	12.5	12.5	13.0	12.5	12.5	4.5	4.0	4.5
19	23.0	23.0	23.0	12.5	11.0	12.0	13.5	13.0	13.0	5.0	4.0	4.5
20	23.0	23.0	23.0	11.5	10.5	11.0	13.5	13.5	13.5	4.0	2.0	2.5
21	23.0	22.5	22.5	11.0	10.0	10.5	14.5	13.5	14.0	3.0	2.0	2.5
22	22.5	21.0	22.0	11.0	9.5	10.0	14.5	14.0	14.5	2.0	1.5	2.0
23	21.0	20.0	20.5	9.5	9.0	9.5	14.0	13.5	13.5	2.5	1.5	2.0
24	20.0	19.0	19.5	9.5	8.5	9.0	13.5	13.5	13.5	2.5	1.5	2.5
25	20.5	19.0	20.0	10.0	9.5	9.5	13.0	12.0	12.5	3.0	2.0	2.5
26	21.5	20.5	21.0	10.5	9.5	10.0	12.0	11.5	12.0	3.0	2.0	2.5
27	21.5	21.0	21.5	11.0	10.5	10.5	12.5	11.5	12.0	3.0	2.5	2.5
28	22.0	21.0	21.5	11.5	10.5	11.0	13.5	12.5	13.0	2.5	2.0	2.5
29	22.0	21.5	22.0	10.5	10.0	10.5	13.5	13.0	13.5	2.5	2.0	2.5
30	22.5	21.5	22.0	11.0	10.0	10.5	14.5	13.5	14.0	3.0	2.5	3.0
31	23.0	22.0	22.5	---	---	---	15.0	14.0	14.5	3.0	2.5	3.0
MONTH	23.0	19.0	21.0	22.5	8.5	13.5	15.0	6.0	11.0	15.0	1.5	5.0

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued  
 TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	2.5	1.0	1.5	12.0	11.5	11.5	17.0	16.0	16.5	21.5	21.0	21.0
2	1.5	.5	1.0	12.0	11.5	11.5	17.0	15.5	16.5	22.0	21.5	22.0
3	1.5	1.0	1.5	12.5	11.5	12.0	16.5	16.0	16.5	22.0	21.5	21.5
4	1.5	1.0	1.5	13.0	12.5	12.5	18.0	16.5	17.0	22.0	21.0	21.5
5	1.5	1.0	1.0	13.0	12.0	12.5	17.5	16.5	17.0	21.5	21.0	21.0
6	1.5	1.0	1.5	12.5	11.5	12.0	17.0	16.0	16.5	22.0	21.0	21.5
7	2.0	1.0	1.5	13.0	12.0	12.5	17.5	16.5	17.0	22.0	21.5	22.0
8	2.0	1.5	2.0	13.5	12.5	13.0	17.5	16.5	17.0	22.0	21.5	22.0
9	2.5	2.0	2.0	15.0	13.5	14.0	17.0	15.5	16.0	22.0	21.5	21.5
10	3.5	2.5	3.0	14.5	13.5	14.0	16.5	16.0	16.0	21.5	20.5	20.5
11	4.0	3.0	3.5	14.5	14.0	14.0	16.5	16.0	16.0	21.5	20.5	21.0
12	3.5	2.5	3.0	15.0	14.5	14.5	16.5	16.5	16.5	23.0	21.5	22.0
13	2.5	2.0	2.5	15.0	14.0	14.5	16.5	16.5	16.5	23.0	22.5	22.5
14	3.5	2.5	3.0	15.0	14.0	14.5	17.5	16.5	17.0	23.5	22.5	23.0
15	4.0	3.0	3.5	14.5	13.5	14.0	17.5	17.0	17.0	24.5	22.5	24.0
16	4.5	3.0	3.5	14.5	13.5	14.0	18.5	17.0	17.5	24.5	23.5	24.0
17	5.0	4.0	4.5	15.5	14.0	14.5	18.5	18.0	18.5	24.0	22.5	23.5
18	5.5	5.0	5.0	14.5	13.0	14.0	19.5	18.5	19.0	23.5	21.5	22.0
19	5.5	5.5	5.5	14.0	13.5	13.5	20.5	19.0	19.5	23.0	22.0	22.5
20	6.5	5.5	6.0	14.0	13.5	14.0	20.5	19.5	20.0	23.0	22.0	22.5
21	7.5	6.5	7.0	14.0	13.5	13.5	21.0	19.0	20.0	22.5	22.0	22.5
22	9.0	7.5	8.0	13.5	12.5	13.0	21.0	20.0	21.0	23.0	22.0	22.5
23	11.0	8.5	9.5	13.5	12.5	13.0	21.0	20.0	20.5	22.5	22.0	22.0
24	12.0	11.0	11.5	14.5	13.5	14.0	22.0	19.5	20.5	23.5	22.0	22.5
25	11.5	11.0	11.0	15.0	13.5	14.5	21.0	20.5	20.5	24.0	22.5	23.0
26	12.5	11.0	11.5	15.5	14.5	14.5	21.5	20.5	20.5	24.0	23.0	23.0
27	12.0	11.5	12.0	15.0	14.5	15.0	22.0	20.5	21.0	24.0	23.0	23.5
28	12.0	11.0	11.5	17.0	14.5	15.5	22.5	21.0	21.5	25.5	23.0	24.0
29	---	---	---	17.0	16.0	17.0	22.0	21.5	21.5	25.5	23.5	24.5
30	---	---	---	17.5	16.5	17.0	22.5	21.5	22.0	25.0	23.5	24.5
31	---	---	---	17.5	17.0	17.5	---	---	---	25.0	24.0	24.5
MONTH	12.5	.5	5.0	17.5	11.5	14.0	22.5	15.5	18.5	25.5	20.5	22.5

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued  
 TEMPERATURE, WATER (DEG. C.), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24.5	23.5	24.5	27.5	27.0	27.5	30.5	28.5	29.0	30.0	29.0	29.5
2	26.0	24.5	25.0	28.5	26.5	27.0	30.5	29.5	30.0	30.0	29.0	29.5
3	26.5	24.5	25.0	28.0	27.0	27.5	29.0	28.5	28.5	29.0	28.5	28.5
4	26.0	25.0	25.5	27.5	27.0	27.0	29.0	28.0	28.5	28.5	27.5	28.0
5	27.5	25.0	26.0	28.0	27.0	27.5	28.5	27.5	28.0	28.0	27.5	27.5
6	28.0	26.0	27.0	28.0	27.0	27.5	27.5	27.0	27.5	28.0	27.5	27.5
7	28.0	27.0	28.0	28.5	27.5	28.0	27.5	27.5	27.5	28.5	27.5	28.0
8	27.5	27.0	27.5	28.0	28.0	28.0	29.0	27.5	28.0	29.0	28.0	28.5
9	28.0	27.0	27.5	29.0	27.5	28.0	30.0	27.0	29.0	29.5	28.0	28.5
10	28.5	27.5	28.0	28.5	27.5	28.0	30.5	29.5	30.0	29.5	28.5	29.0
11	28.5	28.0	28.0	30.0	28.0	29.0	30.5	29.5	30.0	29.5	29.0	29.0
12	28.0	26.5	27.5	30.5	28.0	29.0	31.0	29.0	29.5	28.5	28.5	28.5
13	27.0	26.0	26.5	30.5	28.5	30.0	30.5	29.5	30.0	28.0	26.5	27.0
14	26.5	26.0	26.5	31.0	30.0	30.5	30.0	29.5	30.0	26.5	25.0	25.5
15	26.5	26.0	26.5	30.5	29.5	30.0	29.5	29.0	29.5	26.0	26.0	26.0
16	27.5	26.5	27.0	30.0	29.5	29.5	29.5	28.0	29.0	26.0	25.0	25.5
17	28.5	27.0	27.5	30.5	28.5	29.5	28.0	26.5	27.5	25.0	24.5	24.5
18	27.5	27.0	27.0	30.0	29.0	29.5	28.0	27.0	27.5	25.0	24.0	24.5
19	27.5	26.5	27.0	30.5	29.0	29.5	29.0	28.0	28.5	25.5	24.5	24.5
20	27.0	26.5	27.0	30.5	29.5	30.0	29.0	28.0	28.5	25.5	24.5	25.0
21	27.0	26.5	27.0	31.0	30.0	30.0	29.0	28.0	28.0	26.0	25.0	25.5
22	27.0	26.5	27.0	30.5	29.5	30.0	29.0	28.0	28.5	25.5	25.0	25.5
23	27.5	26.5	27.0	30.0	29.5	30.0	29.0	28.0	28.5	25.5	25.0	25.0
24	28.5	27.0	27.5	30.0	29.5	30.0	28.0	27.5	28.0	25.0	23.5	24.0
25	28.5	27.0	27.5	30.0	29.0	29.5	27.5	27.0	27.0	24.0	23.0	23.5
26	29.5	28.5	29.0	29.5	28.5	29.0	27.0	26.5	27.0	24.0	23.0	23.0
27	29.5	28.0	28.5	28.5	28.0	28.5	28.0	27.0	27.5	23.0	22.5	22.5
28	29.0	28.0	28.5	28.0	27.0	27.5	28.0	27.0	27.5	22.5	22.0	22.0
29	28.5	28.0	28.0	28.0	27.0	27.5	29.0	28.0	28.5	22.5	22.0	22.0
30	28.0	27.0	27.5	28.5	27.5	28.0	29.0	28.0	29.0	22.0	21.5	22.0
31	---	---	---	28.5	27.5	28.0	29.5	28.0	29.0	---	---	---
MONTH	29.5	23.5	27.0	31.0	26.5	28.5	31.0	26.5	28.5	30.0	21.5	26.0
YEAR	31.0	.5	18.5									



03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

TURBIDITY (NTU), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	50	30	40	140	45	70	45	40	45	65	55	55
2	35	30	30	110	70	80	50	40	45	60	50	55
3	30	20	25	150	80	110	50	35	45	60	55	55
4	30	25	25	140	90	120	70	45	55	65	55	60
5	30	20	25	140	70	95	65	45	55	65	55	55
6	30	20	25	120	35	60	50	40	45	55	50	50
7	30	25	25	100	35	70	45	40	45	50	45	45
8	55	25	35	100	40	75	45	45	45	55	45	50
9	40	25	30	65	30	40	60	40	45	50	50	50
10	40	25	30	110	45	80	50	40	45	50	45	45
11	35	30	30	85	65	80	50	45	45	50	45	45
12	35	20	30	75	45	50	55	45	50	50	45	45
13	30	20	25	140	40	80	50	45	50	50	45	45
14	30	20	25	90	40	65	55	45	45	50	40	40
15	30	20	25	140	45	80	60	45	50	50	45	45
16	30	20	25	60	40	50	50	45	45	60	45	45
17	30	25	25	260	45	120	60	50	50	60	50	50
18	30	25	25	190	90	140	60	50	55	95	50	55
19	30	20	20	150	85	95	55	40	45	55	45	50
20	30	20	25	120	80	95	55	45	50	50	45	45
21	30	20	25	120	75	90	75	45	55	50	40	45
22	45	20	30	85	60	75	70	50	60	70	40	50
23	65	40	40	90	65	80	70	60	65	60	45	50
24	60	45	50	85	65	75	70	60	65	55	45	50
25	60	35	45	85	55	65	70	60	65	55	45	50
26	45	25	30	80	55	60	75	60	65	55	45	45
27	40	25	30	80	50	60	70	60	65	50	45	45
28	45	30	35	85	70	75	65	50	55	45	45	45
29	55	35	40	85	65	75	60	55	55	70	45	50
30	50	25	35	75	45	55	60	50	55	55	45	45
31	100	30	55	---	---	---	60	55	55	50	45	45
MONTH	100	20	31	260	30	80	75	35	50	95	40	50

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS---Continued

TURBIDITY (NTU), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	55	45	50	50	45	45	55	30	35	50	30	40
2	55	45	50	45	40	40	45	30	35	30	20	25
3	75	50	55	45	35	40	40	30	30	30	20	20
4	55	40	50	40	25	30	35	25	30	45	20	30
5	45	35	40	35	30	30	35	25	30	60	30	45
6	70	40	45	45	35	35	40	25	30	55	30	45
7	45	40	45	40	30	35	35	30	35	55	45	50
8	45	35	40	40	30	35	45	35	40	60	35	50
9	60	35	40	40	30	35	50	35	40	55	35	40
10	50	35	35	45	35	35	55	45	50	65	45	55
11	85	30	60	40	35	35	70	50	55	65	40	50
12	85	55	70	45	35	35	90	55	70	50	20	35
13	55	45	50	45	35	40	140	80	100	45	20	25
14	55	40	45	40	35	40	210	150	180	65	20	30
15	110	45	55	45	35	40	220	30	110	35	20	30
16	70	50	55	55	35	45	40	25	30	55	25	35
17	65	50	55	50	35	40	35	25	30	45	25	30
18	60	50	50	50	35	40	35	20	25	35	20	25
19	50	35	45	40	30	35	50	20	30	30	15	20
20	40	35	35	40	30	30	40	15	25	45	15	25
21	50	35	45	55	30	35	50	20	30	30	20	20
22	45	30	35	85	30	55	50	20	30	25	15	20
23	60	40	45	60	50	55	40	20	25	30	15	20
24	55	40	45	60	35	45	140	20	70	30	15	20
25	55	40	45	50	30	40	85	40	65	35	15	25
26	50	40	45	40	25	30	65	45	55	35	20	25
27	45	35	40	35	25	30	55	30	40	30	20	20
28	45	35	40	55	20	30	40	20	35	30	15	20
29	---	---	---	35	20	25	45	25	35	50	20	25
30	---	---	---	40	25	30	50	30	35	45	20	25
31	---	---	---	40	25	35	---	---	---	40	25	30
MONTH	110	30	45	85	20	37	220	15	45	65	15	31

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS---Continued

TURBIDITY (NTU), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	40	25	30	25	15	20	30	20	25	35	25	25
2	45	25	30	25	15	20	25	15	20	40	20	25
3	35	20	30	25	15	20	---	---	---	50	30	35
4	35	20	25	25	15	20	---	---	---	35	25	30
5	35	20	25	30	20	20	---	---	---	30	25	25
6	30	15	25	25	20	20	---	---	---	30	20	25
7	35	20	25	25	15	20	---	---	---	35	20	30
8	30	20	25	35	20	20	---	---	---	50	30	40
9	35	20	25	30	20	20	---	---	---	50	30	40
10	30	20	25	35	20	25	---	---	---	30	20	25
11	25	15	20	30	15	20	---	---	---	20	15	20
12	30	15	20	35	20	25	---	---	---	20	15	20
13	25	15	20	25	15	20	---	---	---	25	20	20
14	30	15	20	25	15	15	---	---	---	25	20	25
15	35	20	25	35	15	20	---	---	---	35	25	30
16	30	20	25	30	15	20	---	---	---	40	20	30
17	30	20	25	30	15	20	---	---	---	30	20	25
18	30	20	20	30	15	20	---	---	---	25	20	20
19	30	15	20	35	15	20	---	---	---	40	20	25
20	30	15	20	30	15	20	50	20	35	30	15	20
21	35	15	25	30	15	20	50	30	35	30	15	20
22	30	20	25	45	15	25	40	20	30	30	15	20
23	30	20	20	35	20	25	45	20	35	35	20	20
24	30	15	20	25	15	20	45	30	35	35	20	25
25	35	15	20	35	20	25	45	30	35	35	20	25
26	25	15	20	35	20	25	40	25	30	35	20	25
27	30	15	20	25	20	20	45	20	25	35	20	25
28	55	15	20	30	20	25	30	20	25	35	20	25
29	20	15	15	30	20	25	35	15	25	30	20	25
30	30	15	20	35	25	30	30	15	20	25	20	20
31	---	---	---	30	20	25	40	20	25	---	---	---
MONTH	55	15	23	45	15	22	---	---	---	50	9.8	26
YEAR	260	9.8	40									

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued  
 OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	OCTOBER					NOVEMBER					DECEMBER					JANUARY				
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN		
1	8.9	7.7	8.3	7.5	6.3	6.8	9.8	9.5	9.6	9.3	8.6	8.9								
2	8.9	8.0	8.3	7.6	6.9	7.3	9.8	9.6	9.7	9.5	9.2	9.4								
3	9.0	8.2	8.6	7.0	6.5	6.8	9.8	9.6	9.7	9.6	9.2	9.4								
4	8.8	8.0	8.3	7.1	6.5	6.8	9.8	9.6	9.7	10.3	9.6	9.8								
5	8.8	8.1	8.5	7.2	6.8	7.0	9.8	9.7	9.8	10.3	9.9	10.2								
6	8.9	8.0	8.4	8.7	6.8	7.9	10.5	9.8	9.9	10.7	10.1	10.3								
7	8.5	8.0	8.2	8.3	7.0	7.5	10.6	10.0	10.2	10.8	10.5	10.6								
8	8.4	7.8	8.1	8.6	7.0	7.4	10.8	10.2	10.4	10.8	10.6	10.7								
9	8.0	7.6	7.8	8.7	8.3	8.6	10.3	9.8	10.0	10.8	10.4	10.6								
10	7.7	6.9	7.4	8.6	7.8	8.3	10.4	9.9	10.0	10.5	10.2	10.3								
11	7.3	6.8	7.0	8.6	8.3	8.5	10.4	10.0	10.1	10.5	10.3	10.4								
12	7.8	7.0	7.4	9.2	8.8	8.9	10.4	9.9	10.1	10.8	10.5	10.6								
13	7.9	7.3	7.6	9.2	8.7	8.9	10.1	9.8	9.9	11.7	10.7	11.3								
14	7.6	6.9	7.3	9.7	9.4	9.5	9.9	9.7	9.8	11.7	11.5	11.6								
15	7.6	7.1	7.3	9.5	9.1	9.4	10.1	10.0	10.0	11.6	10.9	11.2								
16	7.4	6.5	6.9	9.6	9.2	9.4	10.1	9.5	9.8	11.2	11.0	11.1								
17	7.4	6.8	7.1	9.4	9.0	9.2	9.5	9.3	9.4	11.3	11.1	11.2								
18	7.1	6.6	7.0	9.4	9.0	9.2	9.6	9.3	9.4	11.2	11.0	11.2								
19	7.4	6.6	7.0	10.0	9.4	9.5	9.8	9.5	9.6	11.8	11.2	11.4								
20	7.6	6.6	7.1	10.0	9.5	9.8	9.9	9.4	9.6	12.1	11.6	11.9								
21	7.6	6.7	7.1	10.0	9.8	9.9	9.5	9.3	9.4	11.9	11.6	11.7								
22	7.5	6.7	7.1	10.1	9.7	9.8	9.6	9.1	9.3	12.1	11.7	11.8								
23	7.6	7.0	7.2	10.0	9.8	9.9	9.3	9.0	9.2	11.8	11.6	11.7								
24	7.6	7.1	7.4	10.1	9.9	10.0	9.5	8.8	9.0	11.8	11.5	11.7								
25	7.4	7.0	7.3	10.1	9.9	10.0	9.9	9.7	9.8	11.8	11.7	11.8								
26	7.2	6.8	7.0	9.9	9.7	9.8	10.0	9.2	9.6	11.7	11.6	11.7								
27	7.1	6.6	7.0	9.8	9.6	9.7	9.6	9.3	9.5	11.7	11.6	11.6								
28	7.0	6.5	6.7	9.8	9.6	9.7	9.6	9.2	9.4	11.8	11.6	11.7								
29	6.8	6.0	6.5	9.7	9.5	9.6	9.7	9.4	9.6	11.8	11.6	11.7								
30	8.0	6.3	6.9	9.7	9.4	9.6	9.7	9.0	9.4	11.8	11.6	11.7								
31	8.1	6.8	7.5	---	---	---	9.1	8.8	8.9	11.8	11.6	11.7								
MONTH	9.0	6.0	7.5	10.1	6.3	8.8	10.8	8.8	9.7	12.1	8.6	11.0								

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued  
 OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.8	11.5	11.7	10.4	9.6	10.0	9.0	8.7	8.9	6.0	4.7	5.3
2	11.7	11.4	11.6	9.9	9.4	9.6	9.2	8.6	8.9	6.6	5.7	6.2
3	11.9	11.6	11.7	9.8	9.4	9.6	9.0	8.7	8.9	8.1	6.9	7.3
4	11.8	11.5	11.7	9.9	9.4	9.7	9.0	8.6	8.9	8.3	6.7	7.3
5	11.8	11.7	11.7	10.3	9.5	9.8	8.8	8.5	8.7	7.1	6.4	6.7
6	11.9	11.6	11.7	10.7	10.2	10.4	8.7	8.4	8.6	7.2	6.5	6.8
7	11.9	11.6	11.8	10.7	10.3	10.5	8.8	8.2	8.7	6.6	6.3	6.4
8	12.3	11.8	12.0	10.5	10.1	10.3	9.1	8.4	8.7	7.5	6.1	6.7
9	12.3	12.1	12.2	10.3	10.1	10.2	9.2	8.6	8.9	7.4	6.9	7.2
10	12.5	12.2	12.3	10.2	9.9	10.0	9.0	8.6	8.9	7.2	6.5	6.8
11	12.3	11.8	12.0	10.0	9.5	9.8	8.7	8.3	8.5	6.9	6.5	6.7
12	12.1	11.7	11.8	9.8	9.4	9.6	8.6	8.1	8.4	7.0	6.4	6.7
13	12.1	11.9	12.0	9.7	9.4	9.5	8.2	7.8	8.0	7.0	5.8	6.4
14	12.0	11.8	11.9	9.6	9.2	9.4	8.4	7.8	8.1	6.5	5.4	6.1
15	12.0	11.5	11.7	9.5	9.1	9.3	8.8	7.5	8.2	6.7	5.5	6.2
16	12.0	11.6	11.8	9.4	9.1	9.2	8.7	8.0	8.3	7.2	5.5	6.5
17	11.9	11.5	11.7	9.3	9.0	9.2	8.5	8.0	8.2	7.5	6.8	7.0
18	11.9	11.7	11.8	9.2	8.7	9.0	8.5	7.9	8.1	8.2	6.8	7.2
19	12.5	11.6	12.0	9.4	9.0	9.2	8.4	7.8	8.1	7.8	6.1	7.1
20	12.8	12.2	12.5	9.5	9.0	9.2	8.4	7.2	8.1	7.3	6.0	6.5
21	12.8	11.9	12.3	9.3	9.1	9.1	7.9	7.2	7.5	6.9	5.9	6.4
22	12.5	11.7	12.1	9.1	8.9	9.0	7.7	6.9	7.3	7.0	5.2	6.1
23	12.1	11.2	11.7	9.2	8.8	8.9	7.8	6.8	7.4	6.0	6.0	6.5
24	11.5	10.8	11.2	9.1	8.8	9.0	7.5	6.8	7.1	7.6	6.4	7.0
25	11.5	10.9	11.2	9.4	8.8	9.1	6.9	6.3	6.5	7.6	5.9	6.8
26	11.2	10.6	11.0	9.4	9.1	9.3	6.5	5.5	6.2	6.8	5.8	6.3
27	11.4	10.6	11.0	9.2	9.0	9.1	6.4	5.2	5.8	6.8	5.9	6.4
28	11.2	10.6	11.0	9.2	8.9	9.1	6.0	5.0	5.5	7.4	5.5	6.1
29	---	---	---	9.1	8.8	8.9	6.0	5.0	5.4	7.1	4.6	5.8
30	---	---	---	8.9	8.6	8.8	6.1	5.1	5.6	6.0	4.9	5.5
31	---	---	---	8.9	8.7	8.8	---	---	---	5.8	4.0	5.2
MONTH	12.8	10.6	11.8	10.7	8.6	9.4	9.2	5.0	7.8	8.3	4.0	6.5

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS---Continued  
 OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.9	3.0	4.1	6.2	4.2	5.0	6.4	4.9	5.4	6.6	5.6	6.2
2	5.1	3.3	4.0	4.9	3.6	4.1	6.5	5.6	6.2	6.7	5.8	6.0
3	5.8	2.9	4.1	4.0	3.1	3.6	7.0	5.7	6.0	6.3	5.5	5.8
4	6.6	3.9	4.7	6.1	3.4	4.9	5.7	4.7	5.3	6.2	5.8	5.9
5	7.2	5.3	6.2	6.6	4.9	5.8	5.7	4.7	5.1	6.1	5.7	6.0
6	7.4	5.5	6.3	6.9	5.5	6.0	5.5	4.6	5.1	6.0	5.3	5.8
7	6.1	5.0	5.6	7.0	6.2	6.4	5.2	4.5	4.9	6.3	5.4	5.8
8	6.2	4.6	5.4	6.7	4.6	5.8	5.2	4.2	4.7	6.5	5.2	5.6
9	6.1	4.1	5.0	5.5	4.5	5.1	5.3	4.3	4.8	6.8	5.2	5.7
10	6.5	4.6	5.4	4.8	3.1	4.0	5.2	4.2	4.7	7.2	5.4	6.0
11	6.7	5.5	6.1	4.6	3.0	3.9	4.7	3.9	4.4	7.1	5.4	6.1
12	7.4	5.2	6.1	4.7	2.6	3.3	4.9	3.7	4.1	7.4	6.6	6.9
13	7.1	6.1	6.5	4.8	2.5	3.7	4.2	2.4	3.6	7.6	6.7	7.1
14	6.8	5.6	6.3	4.7	3.2	4.1	4.4	2.6	3.8	7.4	6.3	6.9
15	6.3	5.7	6.0	5.8	2.8	4.3	3.7	2.3	3.3	6.4	5.6	6.1
16	6.9	5.8	6.1	5.7	4.7	5.1	4.8	3.4	3.7	6.9	6.0	6.2
17	6.8	5.1	5.8	6.6	5.3	5.8	4.9	3.2	3.9	6.8	5.9	6.4
18	6.1	5.5	5.8	6.4	4.8	5.5	5.2	3.1	3.9	6.9	5.9	6.3
19	6.5	5.1	5.7	5.7	4.5	5.1	5.4	3.3	4.1	7.0	6.0	6.3
20	7.0	5.4	6.2	5.5	4.5	4.9	6.1	4.6	5.5	6.6	5.7	6.2
21	7.2	6.0	6.8	---	---	---	6.2	4.6	5.2	6.4	5.6	6.0
22	7.3	6.5	6.8	---	---	---	6.9	5.1	6.0	5.9	5.4	5.7
23	7.3	6.7	6.9	---	---	---	6.3	5.0	5.6	6.8	5.5	6.1
24	6.9	6.2	6.6	5.6	4.7	5.0	5.2	4.9	5.1	7.4	6.3	6.8
25	7.3	5.2	6.1	5.5	4.9	5.3	5.9	4.9	5.5	7.3	6.5	6.9
26	7.7	6.1	6.9	5.3	4.7	5.1	6.3	5.2	5.8	7.5	6.6	6.9
27	7.1	4.8	5.7	5.2	4.8	5.0	7.8	6.7	7.2	7.6	6.8	7.2
28	6.9	4.5	5.8	5.2	4.7	4.9	8.0	6.9	7.3	7.5	6.9	7.3
29	5.8	5.1	5.5	4.8	4.4	4.6	7.8	7.0	7.4	7.3	6.3	6.8
30	6.9	5.1	5.8	5.1	3.9	4.6	7.5	5.5	6.8	6.6	6.1	6.4
31	---	---	---	5.4	3.5	4.3	6.9	5.5	6.3	---	---	---
MONTH	7.7	2.9	5.8	7.0	2.5	4.8	8.0	2.3	5.2	7.6	5.2	6.3
YEAR	12.8	2.3	7.9									

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS---Continued

SEDIMENT, SUSPENDED CONCENTRATION (MG/L), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7	10	9	9	12	11	11	6	6	4	5	8
2	8	12	8	10	12	11	11	6	7	8	6	6
3	8	14	9	15	10	8	11	8	12	4	6	4
4	6	18	8	14	12	8	10	26	8	2	50	4
5	8	18	9	11	11	8	10	10	4	4	12	6
6	5	15	15	12	15	8	9	13	7	2	7	10
7	5	18	15	8	18	9	12	18	---	4	39	9
8	6	18	20	9	16	14	8	12	8	4	6	9
9	10	14	14	10	16	10	6	12	8	8	10	10
10	6	12	12	9	16	10	12	14	---	4	14	10
11	6	11	12	8	11	13	8	12	---	2	8	8
12	6	18	12	8	14	13	8	12	---	3	51	8
13	6	22	14	10	14	10	8	11	---	2	14	6
14	5	22	12	8	15	14	10	9	---	2	18	6
15	6	20	11	8	14	10	8	10	---	8	4	5
16	7	10	11	10	14	12	2	10	---	8	13	5
17	7	14	13	10	14	11	4	10	---	8	19	4
18	11	21	10	10	16	13	4	9	5	8	16	4
19	10	25	10	8	12	18	3	8	---	8	13	4
20	8	24	13	8	11	16	3	6	---	6	2	4
21	9	23	12	19	14	14	2	7	---	5	1	4
22	11	21	14	12	11	13	4	10	---	6	8	4
23	10	19	14	15	9	18	4	10	---	8	8	10
24	13	18	14	14	9	17	5	8	4	3	5	8
25	13	16	14	13	10	16	8	8	1	1	3	6
26	12	18	13	12	10	14	9	6	1	7	10	4
27	12	16	15	12	10	11	8	10	1	4	6	4
28	15	12	12	12	9	12	9	6	2	2	6	5
29	11	14	12	12	---	12	6	8	2	2	3	5
30	10	9	10	12	---	16	7	6	2	4	6	5
31	11	---	14	12	---	11	---	8	---	6	4	---
MEAN	9	17	12	11	13	12	7	10	---	5	12	6
WTR YR 1985		MEAN	10	MAX	51	MIN			1			

02430005 TENN-TOM WATERWAY BELOW BAY SPRINGS LOCK AND DAM, MS  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	
NOV 19...	1500	.00	112	7.5	13.0	10	10	9.2	--	2.1
FEB 20...	1500	.00	102	7.3	6.0	<1	2.0	13.0	105	2.1
MAY 21...	1430	.00	105	7.9	24.0	5	.90	8.5	102	2.3
JUL 30...	1100	.00	119	7.1	28.0	15	2.0	6.0	77	.5

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY LAB (MG/L AS CACO3)
NOV 19...	--	48	9	14	3.1	3.7	14	.2	2.1	39
FEB 20...	<5	47	6	14	2.9	3.7	14	.2	2.2	41
MAY 21...	K9	46	10	14	2.6	3.1	12	.2	1.9	36
JUL 30...	<5	48	8	15	2.6	3.4	13	.2	1.9	40



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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
NOV 19...	13	4.9	<.10	2.9	64	68	.09	---	.010
FEB 20...	10	4.7	<.10	2.2	69	64	.09	---	<.010
MAY 21...	12	3.8	<.10	1.3	66	60	.09	---	<.010
JUL 30...	12	4.0	.10	1.5	69	65	.09	---	<.010

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS-SOLVED (MG/L AS P)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
NOV 19...	<.10	.130	.07	.20	--	.010	<.010	260	360
FEB 20...	.20	.040	.76	.80	1.0	<.010	<.010	14	23
MAY 21...	<.10	.050	.45	.50	--	<.010	<.010	18	7
JUL 30...	<.10	<.010	--	.30	--	<.010	<.010	18	170

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	ARSENIC TOTAL IN BOT- TOM MA- TERRIAL (UG/G AS AS)	CADMIUM TOTAL FM BOT- TOM MA- TERRIAL (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/G AS CD)	COBALT, TOTAL FM BOT- TOM MA- TERRIAL (UG/L AS CO)	COBALT, RECOV- ERABLE (UG/G AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)
JUL 30...	1	<1	<1	3	4	<1	<10

DATE	COPPER, RECOV. FM BOT- TOM MA- TERRIAL (UG/G AS CU)	LEAD, TOTAL FM BOT- TOM MA- TERRIAL (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERRIAL (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY TOTAL FM BOT- TOM MA- TERRIAL (UG/G AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, TOTAL FM BOT- TOM MA- TERRIAL (UG/G AS NI)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, TOTAL FM BOT- TOM MA- TERRIAL (UG/G AS ZN)
JUL 30...	4	3	<10	<1	.02	3	<10	30	10

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	PCB, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG)	PCB, TOTAL FM BOT- TOM MA- TERRIAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERRIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERRIAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG)
JUL 30...	<.1	<.10	<1.0	<.1	<1.0	<.1	.5

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

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	DDE, TOTAL (UG/L)	DDE, IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, IN BOT- TOM MA- TERIAL (UG/KG)
JUL 30...	<.010	.2	<.010	<.1	<.010	<.1	<.010	<.1	<.010	<.1

DATE	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	LINDANE IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL (UG/L)
JUL 30...	<.010	<.1	<.010	<.1	<.010	<.1	<.010	<.1	<.010	<.01

DATE	MIREX, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL (UG/L)	TOXA- PHENE, IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JUL 30...	<.1	<.1	<1.00	<1	<10	<.01	<.01	<.01	<.01	<.01	<.01



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

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DI-N-BUTYL-PHTHALATE BOT.MAT (UG/KG)	2,4-DI-NITRO-TOLUENE BOT.MAT (UG/L)	2,4-DI-NITRO-TOLUENE TOTAL (UG/L)	2,6-DI-NITRO-TOLUENE BOT.MAT (UG/L)	2,6-DI-NITRO-TOLUENE TOTAL (UG/L)	DI-N-OCTYL-PHTHALATE BOT.MAT (UG/L)	DI-N-OCTYL-PHTHALATE TOTAL (UG/L)	BIS(2-ETHYL-PHTHALATE) BOT.MAT (UG/L)	BIS(2-ETHYL-PHTHALATE) TOTAL (UG/L)	FLUOR-ANTHENE BOT.MAT (UG/L)	FLUOR-ANTHENE TOTAL (UG/L)
<5.0	<200	<5.0	<5.0	<200	<10.0	<400	<31.0	<200	<5.0	<200
JUL 30...										

FLUOR-ENE BOT.MAT (UG/L)	FLUOR-ENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE BOT.MAT (UG/L)	HEXA-CHLORO-BENZENE TOTAL (UG/L)	HEXA-CHLORO-BUTADIENE BOT.MAT (UG/L)	HEXA-CHLORO-BUTADIENE TOTAL (UG/L)	HEXA-CHLORO-CYCLOPENTADIENE BOT.MAT (UG/L)	HEXA-CHLORO-CYCLOPENTADIENE TOTAL (UG/L)	HEXA-CHLORO-ETHANE BOT.MAT (UG/L)	HEXA-CHLORO-ETHANE TOTAL (UG/L)
<5.0	<200	<5.0	<200	<5.0	<200	<5.0	<200	<5.0	<200
JUL 30...									

INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/L)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	ISO-PHORONE BOT.MAT (UG/L)	ISO-PHORONE TOTAL (UG/L)	NAPHTH-ALENE BOT.MAT (UG/L)	NAPHTH-ALENE TOTAL (UG/L)	NITRO-BENZENE BOT.MAT (UG/L)	NITRO-BENZENE TOTAL (UG/L)	N-NITRO-SODI-METHYLAMINE TOTAL (UG/L)	N-NITRO-SODI-METHYLAMINE BOT.MAT (UG/L)
<10.0	<200	<5.0	<200	<5.0	<200	<5.0	<200	<5.0	<200
JUL 30...									

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

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

N- NITRO- SODI-N- PROPYL- AMINE TOTAL (UG/L)	N- NITRO- SODI-N- PHENY- LAMINE TOTAL (UG/L)	N-NITRO -SODI- PHENY- LAMINE TOTAL (UG/KG)	PHENAN- THRENE TOTAL (UG/L)	PHENAN- THRENE TOTAL (UG/KG)	PYRENE TOTAL (UG/L)	PYRENE BOT.MAT (UG/KG)	1,2,4- TRI- CHLORO- BENZENE TOTAL (UG/L)	1,2,4- TRI- CHLORO- BENZENE BOT.MAT (UG/KG)
DATE								
JUL								
30...	<5.0	<5.0	<5.0	<200	<5.0	<200	<5.0	<200

PARA- CHLORO- META CRESOL TOTAL (UG/L)	PARA- CHLORO- META CRESOL BOT.MAT (UG/KG)	2- CHLORO- PHENOL TOTAL (UG/L)	2- CHLORO- PHENOL BOT.MAT (UG/KG)	2,4-DI- CHLORO- PHENOL TOTAL (UG/L)	2,4-DI- CHLORO- PHENOL BOT.MAT (UG/KG)	2,4-DI- METHYL- PHENOL TOTAL (UG/L)	2,4-DI- METHYL- PHENOL BOT.MAT (UG/KG)	2,4-DI- NITRO- PHENOL TOTAL (UG/L)	2,4- DI- NITRO- PHENOL BOT.MAT (UG/KG)
DATE									
JUL									
30...	<30.0	<600	<5.0	<200	<5.0	<5.0	<200	<20.0	<600

4,6- DINITRO- ORTHO- CRESOL TOTAL (UG/L)	4,6- DINITRO- ORTHO- CRESOL BOT.MAT (UG/KG)	2- NITRO- PHENOL TOTAL (UG/L)	2- NITRO- PHENOL BOT.MAT (UG/KG)	4- NITRO- PHENOL TOTAL (UG/L)	4- NITRO- PHENOL BOT.MAT (UG/KG)	PENTA- CHLORO- PHENOL TOTAL (UG/L)	PENTA- CHLORO- PHENOL BOT.MAT (UG/KG)	PHENOL (C6H- 5OH) TOTAL (UG/L)	PHENOL (C6H- 5OH) BOT.MAT (UG/KG)
DATE									
JUL									
30...	<30.0	<600	<5.0	<30.0	<600	<30.0	<600	<5.0	<200



02430100 MACKEYS CREEK NEAR MOORES MILL, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPE-CIFIC CON-DUC-TANCE (US/CM)	PH (STAND-ARD UNITS)	TEMP-ERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	
NOV 19...	1445	92	48	6.1	13.0	100	75	9.2	87	4.2
FEB 19...	1040	40	90	6.5	6.0	15	25	11.6	92	2.9
JUN 12...	1315	9.2	98	7.1	23.0	10	5.0	7.0	82	--
AUG 01...	0930	7.8	114	7.2	26.0	15	6.0	6.4	79	.1

DATE	COLI-FORM, FECAL, 0.7 UN-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)
NOV 19...	K8500	18	3	5.3	1.2	1.6	14	.2	1.9	15
FEB 19...	K120	34	4	10	2.3	2.6	13	.2	1.6	30
JUN 12...	K60	39	8	12	2.3	2.6	12	.2	1.3	31
AUG 01...	K27	45	7	14	2.5	3.3	13	.2	1.8	38



02430100 MACKEYS CREEK NEAR MOORES MILL, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, SOLIDS,		SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
					SUM OF CONSTITUENTS, DEG. C DIS- SOLVED (MG/L)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)				
NOV 19...	6.8	3.1	<.10	4.2	46	34	.06	11	.07	.030
FEB 19...	9.3	3.8	<.10	3.8	69	52	.09	7.5	.18	.020
JUN 12...	8.4	5.8	.10	2.1	62	54	.08	1.5	--	<.010
AUG 01...	11	3.9	<.10	2.0	66	62	.09	1.4	--	<.010

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
NOV 19...	.10	.300	2.1	2.4	2.5	.070	<.010	300	200
FEB 19...	.20	.080	.52	.60	.80	<.010	<.010	130	330
JUN 12...	<.10	.190	.21	.40	--	<.010	<.010	140	340
AUG 01...	<.10	.030	.37	.40	--	<.010	<.010	69	160

02430100 MACKEYS CREEK NEAR MOORES MILL, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM TOTAL FM BOT- RECOV- ERABLE (UG/L AS CD)	CADMIUM RECOV. TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL FM BOT- RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, RECOV. TOM MA- TERIAL (UG/G AS CR)	COBALT, TOTAL FM BOT- RECOV- ERABLE (UG/L AS CO)	COBALT, RECOV. TOM MA- TERIAL (UG/G AS CO)	COPPER, TOTAL FM BOT- RECOV- ERABLE (UG/L AS CU)
AUG 01...	1	<1	1	<1	4	1	<1	<10	2

DATE	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	LEAD, TOTAL FM BOT- RECOV- ERABLE (UG/L AS PB)	LEAD, RECOV. TOM MA- TERIAL (UG/G AS PB)	MERCURY TOTAL FM BOT- RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. TOM MA- TERIAL (UG/G AS HG)	NICKEL, TOTAL FM BOT- RECOV- ERABLE (UG/L AS NI)	NICKEL, RECOV. TOM MA- TERIAL (UG/G AS NI)	NICKEL, TOTAL FM BOT- RECOV- ERABLE (UG/L AS NI)	ZINC, TOTAL FM BOT- RECOV- ERABLE (UG/L AS ZN)	ZINC, RECOV. TOM MA- TERIAL (UG/L AS ZN)
AUG 01...	<1	12	<10	<1	.06	10	<10	<10	10	1

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	PCB, TOTAL FM BOT- TOM MA- TERIAL (UG/L)	PCB, IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL FM BOT- RECOV- ERABLE (UG/L)	ALDRIN, TOTAL FM BOT- RECOV- ERABLE (UG/L)	ALDRIN, IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL FM BOT- RECOV- ERABLE (UG/L)	CHLOR- DANE, IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL FM BOT- TOM MA- TERIAL (UG/KG)
AUG 01...	<1	<1	<.10	<1.0	<.010	<.1	<.1	<.1	<.010

02430100 MACKEYS CREEK NEAR MOORES MILL, MS---Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/KG)	DI-ELDRIN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/KG)	ENDRIN, TOTAL (UG/KG)
AUG 01....	<.010	<.1	<.010	<.1	<.010

DATE	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR, EPOXIDE TOTAL (UG/KG)	LINDANE, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/KG)
AUG 01....	<.010	<.1	<.010	<.1	<.1

DATE	MIREX, TOTAL (UG/KG)	PER-THANE, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP, TOTAL (UG/L)	2,4,5-T, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
AUG 01....	<.1	<.1	<.1	<.010	<.01	<.01	<.01

02431000 TOMBIGBEE RIVER NEAR FULTON, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUC- TANCE (US/DM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	
NOV 19...	1555	3520	121	6.9	12.5	220	190	8.0	75	5.1
FEB 19...	0915	834	93	6.5	7.0	30	20	11.2	92	2.8
JUN 04...	1300	73	138	7.4	31.5	15	6.0	8.0	109	2.6
AUG 01...	1145	157	99	7.2	29.5	35	25	7.0	92	1.3

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY LAB (MG/L AS CACO3)
NOV 19...	--	58	4	21	1.3	1.5	5	.0	3.2	54
FEB 19...	K52	38	10	13	1.4	2.2	11	.2	1.2	28
JUN 04...	100	63	7	21	2.6	4.2	12	.2	1.9	56
AUG 01...	100	41	8	13	2.1	2.8	12	.2	1.9	33

02431000 TOMBIGBEE RIVER NEAR FULTON, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS S102)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
NOV 19...	9.1	3.2	.10	4.2	84	76	.11	798	.24	.060
FEB 19...	13	3.8	<.10	6.5	70	58	.10	158	.18	.020
JUN 04...	10	3.5	.10	8.7	96	86	.13	19	--	<.010
AUG 01...	8.4	3.6	<.10	6.5	66	59	.09	28	--	<.010

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
NOV 19....	.30	.290	.61	.90	1.2	.150	<.010	350	160
FEB 19....	.20	<.010	--	1.1	1.3	.010	<.010	96	87
JUN 04....	<.10	.060	.24	.30	--	<.010	<.010	160	500
AUG 01....	<.10	<.010	--	.40	--	<.010	<.010	510	60

02436500 TOWN CREEK NEAR NETTLETON, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (PERCENT SATURATION)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	
NOV 20...	0915	1490	148	7.3	10.0	100	90	11.7	103	4.9
FEB 20...	0850	2090	215	7.2	7.0	80	85	11.8	96	4.6
JUN 04...	1600	64	350	8.9	35.5	10	2.5	12.4	181	6.8
AUG 01...	1610	43	338	9.4	38.0	25	8.0	13.8	209	6.5

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM DISSOLVED (MG/L AS Mg)	SODIUM DISSOLVED (MG/L AS Na)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM DISSOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CaCO3)
NOV 20...	K1600	68	5	25	1.4	3.4	9	.2	2.7	63
FEB 20...	3700	94	5	35	1.5	5.0	10	.2	1.8	89
JUN 04...	K14	130	9	46	2.8	19	24	.8	2.7	118
AUG 01...	<10	110	6	41	2.5	25	31	1	4.6	107

02436500 TOWN CREEK NEAR NETTLETON, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	SULFATE AS SO4 (MG/L)	CHLO- RIDE, DIS- SOLVED (MG/L)	SILICA, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTIT- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
NOV 20...	9.9	5.7	4.7	121	91	.16	487	.26	.040
FEB 20...	15	6.9	4.7	130	120	.18	734	.36	.040
JUN 04...	21	24	5.7	211	190	.29	36	.18	.020
AUG 01...	17	30	6.0	211	190	.29	24	.46	.040

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
NOV 20...	.30	.270	.43	.70	1.0	.140	.040	82	34
FEB 20...	.40	.100	1.2	1.3	1.7	.170	<.010	160	28
JUN 04...	.20	.030	.47	.50	.70	.150	.090	8	12
AUG 01...	.50	<.010	--	.90	1.4	.430	.330	13	11

02436500 TOWN CREEK NEAR NETTLETON, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G) AS AS)	ARSENIC TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L) AS CR)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/G) AS CO)	COBALT, TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS CO)	COBALT, TOTAL FM BOT- TOM MA- TERIAL (UG/L) AS CU)
DATE	DATE	DATE	DATE	DATE	DATE
AUG 01...	3	<1	1	<1	5
		5	5	<1	<10
					3

COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS CU)	LEAD, TOTAL RECOV- ERABLE (UG/L) AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS PB)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS HG)	MERCURY TOTAL RECOV- ERABLE (UG/L) AS NI)	NICKEL, TOTAL RECOV- ERABLE (UG/L) AS NI)	NICKEL, TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS NI)	ZINC, TOTAL RECOV- ERABLE (UG/L) AS ZN)	ZINC, TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS ZN)
DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
AUG 01...	2	4	<10	.1	.05	11	<10	10
								10

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PCB, THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	
AUG 01...	<.1	1	<.10	<.10	<.10	<.1	<.010	<.1	
								<.010	
								2.4	





02436500 TOWN CREEK NEAR NETTLETON, MS---Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)
DEC				
13...	1030	208	67	38
JAN				
24...	1100	369	70	70
MAR				
13...	1430	275	31	23
APR				
23...	1045	158	40	17
24...	1230	10500	1540	43700
MAY				
01...	0415	3100	1770	14800
01...	0515	5520	1940	28900
01...	0700	9510	3060	78600
01...	1100	11500	3170	98400
01...	1215	11300	2680	81800
01...	2230	20000	1420	76700
02...	1130	7470	605	12200
03...	0900	2150	431	2500
08...	0915	7020	2000	37900
08...	1130	15300	4730	195000
08...	1330	15600	3130	132000
08...	1600	11900	1990	63900
09...	0745	2850	772	5940
09...	1845	2050	484	2680

02436500 TOWN CREEK NEAR NETTLETON, MS--Continued

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK)	.062 MM		.125 MM		.250 MM		.500 MM		1.00 MM		2.00 MM		4.00 MM	
			MAT. SIEVE DIAM. % FINER THAN	BED MAT. SIEVE DIAM. % FINER THAN	MAT. SIEVE DIAM. % FINER THAN	BED MAT. SIEVE DIAM. % FINER THAN	MAT. SIEVE DIAM. % FINER THAN	BED MAT. SIEVE DIAM. % FINER THAN	MAT. SIEVE DIAM. % FINER THAN	BED MAT. SIEVE DIAM. % FINER THAN	MAT. SIEVE DIAM. % FINER THAN	BED MAT. SIEVE DIAM. % FINER THAN	MAT. SIEVE DIAM. % FINER THAN	BED MAT. SIEVE DIAM. % FINER THAN	MAT. SIEVE DIAM. % FINER THAN	BED MAT. SIEVE DIAM. % FINER THAN
MAY 02...	1132	25.0	0	2	13	60	100	100	100	100	100	100	100	100	100	100
MAY 02...	1134	50.0	0	1	7	40	99	99	100	99	99	100	100	100	100	100
MAY 02...	1136	75.0	0	1	14	55	97	97	100	100	100	100	100	100	100	100
MAY 09...	0747	25.0	0	3	8	91	100	100	100	100	100	100	100	100	100	100
MAY 09...	0749	50.0	0	2	4	95	95	95	95	95	95	95	95	95	95	95
MAY 09...	0751	75.0	0	1	5	28	95	95	98	98	98	98	98	98	98	98

02437000 TOMBIGBEE RIVER NEAR AMORY, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	
NOV 20....	1020	3470	100	6.8	11.0	110	100	11.0	99	4.3
FEB 20....	0950	3190	175	7.0	7.5	30	60	11.6	96	3.1
JUN 04....	1430	335	218	8.2	31.0	10	.80	9.6	130	4.8
AUG 01....	1445	497	136	8.3	31.0	25	17	9.3	126	4.7

DATE	TIME	COLI- FORM, FECAL, 0.7 UN-MF (COLS./ 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CACO3)
NOV 20....	2800		45	7	16	1.2	2.5	10	.2	2.7	38
FEB 20....	1400		74	11	27	1.5	4.8	12	.3	1.7	63
JUN 04....	K9		83	7	29	2.5	8.5	18	.4	2.1	76
AUG 01....	K19		55	5	19	1.9	4.5	14	.3	2.4	50

02437000 TOMBIGBEE RIVER NEAR AMORY, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS S102)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
NOV 20...	9.8	4.2	.10	5.7	79	65	.11	740	.17	.030
FEB 20...	18	6.9	.10	6.0	115	100	.16	990	.18	.020
JUN 04...	14	7.7	.10	7.1	111	120	.15	100	--	<.010
AUG 01...	9.2	6.4	.30	6.6	94	81	.13	126	--	<.010

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
NOV 20...	.20	.290	.31	.60	.80	.110	<.010	430	83
FEB 20...	.20	.070	.73	.80	1.0	.100	<.010	86	58
JUN 04...	<.10	<.010	--	.30	--	.070	<.010	59	94
AUG 01...	<.10	<.010	--	.50	--	.050	<.010	260	30

02437000 TOMBIGBEE RIVER NEAR AMORY, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/L AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV. FM BOT- TOM MA- TERIAL (UG/L AS CR)	CHRO- MIUM, TOTAL RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	COBALT, TOTAL RECOV. FM BOT- TOM MA- TERIAL (UG/L AS CO)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/L AS CO)	COPPER, TOTAL IN BOT- TOM MA- TERIAL (UG/L AS AS)		
AUG 01....	1	<1	<1	10	1	<10	9		
DATE	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/L AS CU)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/L AS PB)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV. FM BOT- TOM MA- TERIAL (UG/L AS NI)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/L AS NI)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)		
AUG 01....	<1	3	<10	<.1	.03	7	<10	20	4

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)			
AUG 01....	<.1	<.10	<1.0	<.1	<.1	2.0	<.010	<.010	.6	<.010	1.4

02437000 TOMBIGBEE RIVER NEAR AMORY, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	<.010	.5	<.02	<.010	<.1	<.010	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)
DATE	AUG	01....											

HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	<.1	<.010	<.1	<.010	<.1	<.010	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATH. (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOTTOM MATH. (UG/KG)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)
DATE	AUG	01....											

MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	.1	<.01	<.1	<1.00	<1	20	PER- THANE IN BOTTOM MATERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
DATE	AUG	01....											

02437101 TOMBIGBEE RIVER BELOW ABERDEEN LOCK AND DAM, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	
NOV 20...	1130	2120	130	7.7	12.0	110	130	11.1	102	4.1
FEB 21...	1100	2120	85	6.9	8.0	40	30	13.3	112	3.2
MAY 22...	0930	2120	116	7.5	23.5	25	7.5	9.3	110	2.9
AUG 01...	1000	270	121	7.1	28.5	20	15	8.7	112	1.3

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINIT- LAB (MG/L AS CACO3)
NOV 20...	--	58	5	21	1.3	3.0	10	.2	2.7	53
FEB 21...	100	34	4	12	.93	2.4	13	.2	1.3	30
MAY 22...	K20	49	6	17	1.5	3.3	12	.2	1.8	43
AUG 01...	K4	47	3	16	1.8	4.1	15	.3	2.2	44



02437101 TOMBIGBEE RIVER BELOW ABERDEEN LOCK AND DAM, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	SULFATE DIS-SOLVED (MG/L AS S04)		CHLO-RIDE, DIS-SOLVED (MG/L AS CL)		FLUO-RIDE, DIS-SOLVED (MG/L AS F)		SILICA, DIS-SOLVED (MG/L AS SI02)		SOLIDS, RESIDUE AT 180 DEG. C		SOLIDS, DIS-SOLVED (TONS PER AC-FT)		NITRO-GEN, NITRATE TOTAL (MG/L AS N)		NITRO-GEN, NITRITE TOTAL (MG/L AS N)	
	AS S04	AS CL	AS F	AS SI02	AS F	AS SI02	AS F	AS SI02	DIS-SOLVED (MG/L)	SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	PER DAY	AC-FT)	(MG/L AS N)	(MG/L AS N)	(MG/L AS N)	(MG/L AS N)
NOV 20...	9.5	5.7	.20	5.0	.20	81	80	.11	464	.26	.040					
FEB 21...	9.9	4.1	<.10	5.2	64	54	.09	366	.18	.020						
MAY 22...	8.1	3.9	<.10	6.1	76	68	.10	435	--	<.010						
AUG 01...	7.5	5.3	.20	4.3	77	68	.10	56	.09	.010						

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)		NITRO-GEN, AMMONIA TOTAL (MG/L AS N)		NITRO-GEN, ORGANIC TOTAL (MG/L AS N)		NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)		PHOS-PHORUS, TOTAL (MG/L AS P)		PHOS-PHORUS, DIS-SOLVED (MG/L AS P)		IRON, DIS-SOLVED (UG/L AS FE)		MANGA-NESE, DIS-SOLVED (UG/L AS MN)	
	AS N	AS N	AS N	AS N	AS N	AS N	AS N	AS N	AS P	AS P	AS P	AS P	AS FE	AS FE	AS MN	AS MN
NOV 20...	.30	.510	.09	.60	.90	.160	.020	68	46							
FEB 21...	.20	<.010	--	.80	1.0	<.010	<.010	52	76							
MAY 22...	<.10	.050	.75	.80	--	.020	<.010	270	5							
AUG 01...	.10	.110	.39	.50	.60	<.010	<.010	86	7							

02437600 JAMES CREEK AT ABERDEEN, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/DH)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	
NOV 20...	1125	12	228	7.3	10.0	55	55	12.9	113	4.4
FEB 20...	1120	7.7	394	7.6	11.5	15	20	11.4	104	3.7
AUG 02...	1100	14	124	7.6	26.0	150	100	6.6	82	3.7

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CaCO3)
NOV 20...	1100	110	18	43	1.3	3.7	6	.2	2.8	95	
FEB 20...	220	190	39	72	1.9	7.7	8	.3	1.9	149	
AUG 02...	>1200	53	10	20	.69	2.3	8	.1	2.2	43	

02437600 JAMES CREEK AT ABERDEEN, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
NOV 20...	20	11	.20	6.2	170	150	.23	5.5	.18	.020
FEB 20...	44	13	.30	3.8	255	230	.35	5.3	.29	.010
AUG 02...	11	3.4	.30	6.6	89	72	.12	3.4	.45	.050

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
NOV 20...	.20	.170	.33	.50	.70	.110	.020	57	12
FEB 20...	.30	<.010	--	1.1	1.4	.050	<.010	21	24
AUG 02...	.50	.040	1.2	1.2	1.7	.270	.160	66	8

02439600 BUTTAHATCHEE RIVER NEAR KOLOLA SPRINGS, MS  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	
NOV 20...	1320	1030	28	5.8	11.0	32	11	11.7	105	2.4
FEB 20...	1300	1620	26	5.7	8.0	15	7.0	11.6	97	2.0
JUN 05...	1100	409	26	6.8	27.5	20	5.0	7.1	90	2.2
AUG 02...	1245	479	32	6.6	27.0	10	20	6.7	84	.6

DATE	TIME	COLI- FORM, FECAL, 0.7 UN-MF (COLS./ 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CACO3)
NOV 20...	110	16	9	4.9	.86	1.7	18	.2	1.1	7.0	
FEB 20...	K12	7	1	1.8	.67	1.4	27	.2	.80	6.0	
JUN 05...	K14	10	1	2.4	1.0	2.2	29	.3	1.2	9.0	
AUG 02...	K29	12	6	3.8	.73	1.5	19	.2	1.3	7.0	

02439600 BUTTAHATCHEE RIVER NEAR KOLOLA SPRINGS, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	SULFATE DIS- SOLVED (MG/L AS S04)	CHLOR- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
NOV 20...	4.1	2.9	<.10	7.4	27	28	.04	75	<.010
FEB 20...	4.0	2.5	<.10	6.1	22	21	.03	96	<.010
JUN 05...	4.7	1.0	<.10	6.4	19	25	.03	21	<.010
AUG 02...	3.4	2.2	<.10	7.1	29	25	.04	38	<.010

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
NOV 20...	.10	.150	.55	.70	.80	.010	<.010	730	69
FEB 20...	.30	<.010	--	.80	1.1	<.010	<.010	140	48
JUN 05...	.10	<.010	--	.30	.40	<.010	<.010	440	76
AUG 02...	.20	<.010	--	.30	.50	<.010	<.010	490	56

02441000 TIBBEE CREEK NEAR TIBBEE, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (PERCENT SATURATION)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	
NOV 20...	1520	1400	150	6.8	11.5	110	100	9.9	96	4.9
FEB 20...	1500	600	178	7.1	9.5	30	35	10.9	95	2.5
JUN 05...	1300	93	268	8.6	31.5	5	3.0	10.8	147	3.8
AUG 02...	1430	387	212	7.5	29.0	20	45	6.2	81	4.6

DATE	TIME	COLIFORM, FECAL, 0.7 (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS (MG/L AS Ca)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CaCO3)
NOV 20...	K7700	69	11	25	1.5	3.3	9	.2	3.2	58	
FEB 20...	190	78	16	28	2.0	4.8	12	.2	1.6	62	
JUN 05...	K9	110	8	41	2.4	6.6	11	.3	2.0	104	
AUG 02...	100	94	10	35	1.7	4.5	9	.2	2.5	85	

02441000 TIBBEE CREEK NEAR TIBBEE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
NOV 20...	14	6.5	.10	5.8	107	94	.15	404	.16	.040
FEB 20...	21	5.8	<.10	6.2	101	110	.14	164	.08	.020
JUN 05...	16	10	.30	5.0	160	150	.22	40	--	<.010
AUG 02...	12	6.0	.30	6.0	135	120	.18	141	--	<.010

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
NOV 20...	.20	.190	.21	.40	.60	.160	.050	74	31
FEB 20...	.10	<.010	--	1.7	1.8	.040	<.010	74	46
JUN 05...	<.10	.010	.29	.30	--	.050	<.010	13	14
AUG 02...	<.10	<.010	--	.90	--	.040	<.010	26	9

02441000 TIBBEE CREEK NEAR TIBBEE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G) AS AS)	ARSENIC TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS CD)	CADMIUM RECOV. TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS CD)	CHRO- MIUM, RECOV. TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS CR)	CHRO- MIUM, RECOV. TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS CO)	COBALT, RECOV. TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS CO)	COBALT, RECOV. TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS CU)		
DATE	1	<1	<1	8	10	1	10	3
AUG 02...								

COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS CU)	LEAD, RECOV. TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS PB)	LEAD, RECOV. TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS PB)	MERCURY RECOV. TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS HG)	MERCURY RECOV. TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS HG)	NICKEL, RECOV. TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS NI)	NICKEL, RECOV. TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS NI)	ZINC, RECOV. TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS ZN)	ZINC, RECOV. TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS ZN)	
DATE	7	5	20	.2	.06	11	10	10	30
AUG 02...									

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PCB, TOTAL FM BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
DATE	<.1	<.1	<.10	<.10	<.1	<.1	<.1	<.010	1.4
AUG 02...									



02441000 TIBBEE CREEK NEAR TIBBEE, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	<.010	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	4.3	<.010	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	<.1	<.010	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	.1	<.010	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	<.1	<.010	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	<.1
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HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	<.010	HEPTA- CHLOR EPOXIDE TOT. IN BOT. IN MATERIAL (UG/L)	<.1	<.010	HEPTA- CHLOR EPOXIDE TOT. IN BOT. IN MATERIAL (UG/KG)	.1	<.010	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/L)	<.1	<.010	METH- OXY- CHLOR, TOT. IN BOT. IN MATERIAL (UG/L)	<.1	<.01	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	<.1
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DATE	AUG 02...	DATE	AUG 02...
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MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	.3	PER- THANE BOTTOM MATERIAL (UG/KG)	<.1	<1.00	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	<10	.07	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	.09	<.01	2,4-DP TOTAL (UG/L)	<.01	2,4,5-T TOTAL (UG/L)	<.01
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02441391 TOMBIGBEE RIVER BELOW COLUMBUS LOCK AND DAM, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)
NOV 20...	1400	8300	150	7.8	12.0	31	30	11.5	3.4
FEB 21...	1500	5500	67	7.0	9.0	40	30	12.0	2.6
MAY 22...	1330	641	102	7.7	25.0	35	16	8.9	2.8
AUG 02...	1430	2070	123	7.5	29.5	20	15	8.5	1.2

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM, DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CaCO3)
NOV 20...	--	62	10	22	1.6	6.6	18	.4	2.5	52
FEB 21...	K31	32	10	11	1.0	2.6	14	.2	1.4	22
MAY 22...	K9	42	9	15	1.2	3.0	13	.2	1.5	33
AUG 02...	<2	46	11	16	1.5	5.1	19	.3	1.9	35

02441391 TOMBIGBEE RIVER BELOW COLUMBUS LOCK AND DAM, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
NOV 20...	14	9.2	.10	7.0	100	94	.14	2240	.37	.030
FEB 21...	8.6	4.2	<.10	5.5	52	48	.07	772	.18	.020
MAY 22...	7.9	5.7	<.10	6.0	65	60	.09	112	--	<.010
AUG 02...	7.9	11	<.10	3.9	78	68	.11	436	--	<.010

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
NOV 20...	.40	.210	.09	.30	.70	.110	.020	270	27
FEB 21...	.20	<.010	--	.60	.80	<.010	<.010	69	93
MAY 22...	.10	.120	.38	.50	.60	.030	<.010	210	5
AUG 02...	<.10	<.010	--	.50	--	<.010	<.010	89	4

02441391 TOMBIGEE RIVER BELOW COLUMBUS LOCK AND DAM, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G) AS AS)	ARSENIC TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L) AS CR)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/G) AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/G) AS CR)	COBALT, TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS CO)	COBALT, TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS CO)	COBALT, TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L) AS CU)
1	<1	<1	<1	5	5	1	<10	2
AUG 02...								

COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS CU)	LEAD, TOTAL RECOV- ERABLE (UG/L) AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L) AS HG)	MERCURY TOTAL RECOV- ERABLE (UG/G) AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L) AS NI)	NICKEL, TOTAL RECOV- ERABLE (UG/G) AS NI)	NICKEL, TOTAL RECOV- ERABLE (UG/G) AS NI)	ZINC, TOTAL RECOV- ERABLE (UG/G) AS ZN)	ZINC, TOTAL RECOV- ERABLE (UG/G) AS ZN)
4	2	<10	<.1	.03	6	<10	50	20	
AUG 02...									

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
<.1	1	<.10	<1.0	<.1	<.1	1.0	<.1	<.010	1.2
AUG 02...									

02441391 TOMBIGBEE RIVER BELOW COLUMBUS LOCK AND DAM, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	<.010	4.2	<.010	<.1	<.010	<.1	<.010	<.1	<.010	<.1	<.010	<.1	<.010	<.1	<.010	<.1	<.010	<.1	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)

HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	<.010	<.1	<.010	<.1	<.010	<.1	<.010	<.1	<.010	<.1	<.010	<.1	<.010	<.1	<.010	<.1	<.010	<.1	METH- OXY- CHLOR, TOT. IN BOT- TOM MA- TERIAL (UG/KG)

DATE	AUG	02...	<.010	<.1	<.010	<.1	<.010	<.1	<.010	<.1	<.010	<.1	<.010	<.1	<.010	<.1	<.010	<.1	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/L)

MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	.5	<.1	<1.00	<1	<10	.05	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/L)

02441391 TOMBIGBEE RIVER BELOW COLUMBUS LOCK AND DAM, MS--Continued

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

ACE- NAPHTH- ENE TOTAL (UG/L)	ACE- NAPHTH- ENE TOTAL (UG/KG)	ACE- NAPHTH- YLENE TOTAL (UG/L)	ACE- NAPHTH- YLENE TOTAL (UG/KG)	AN- THRA- CENE TOTAL (UG/L)	AN- THRA- CENE TOTAL (UG/KG)	BENZO A ANTHRAC- ENE1,2- BENZANT HRACENE TOTAL (UG/L)	BENZO B FLUOR- AN- THENE TOTAL (UG/L)	BENZO B FLUOR- AN- THENE TOTAL (UG/KG)	BENZO K FLUOR- AN- THENE TOTAL (UG/L)
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AUG 02... <5.0 <200 <5.0 <200 <5.0 <200 <5.0 <200 <10.0 <400 <10.0 <10.0

BENZO K FLUOR- AN- THENE TOTAL (UG/KG)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/KG)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZO- A- PYRENE TOTAL (UG/KG)	AN- THRA- CENE TOTAL (UG/L)	AN- THRA- CENE TOTAL (UG/KG)	4- BROMO- PHENYL ETHER TOTAL (UG/L)	4- BROMO- PHENYL ETHER TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL- ATE TOTAL (UG/KG)	BIS (2- CHLORO- ETHOXY) METHANE TOTAL (UG/L)
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AUG 02... <400 <10.0 <400 <10.0 <400 <10.0 <400 <10.0 <5.0 <200 <5.0 <200 <5.0 <200

BIS 2- CHLORO- ETHYL ETHER TOTAL (UG/L)	BIS (2- CHLORO- ETHYL) ETHER TOTAL (UG/KG)	BIS (2- CHLORO- ISO- PROPYL) ETHER TOTAL (UG/L)	BIS (2- CHLORO- ISO- PROPYL) ETHER TOTAL (UG/KG)	2- CHLORO- NAPH- THALENE TOTAL (UG/L)	2- CHLORO- NAPH- THALENE TOTAL (UG/KG)	2- CHLORO- NAPH- THALENE TOTAL (UG/L)	2- CHLORO- NAPH- THALENE TOTAL (UG/KG)	4- CHLORO- PHENYL ETHER TOTAL (UG/L)	4- CHLORO- PHENYL ETHER TOTAL (UG/L)	CHRY- SENE TOTAL (UG/KG)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/KG)
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AUG 02... <5.0 <200 <5.0 <200 <5.0 <200 <5.0 <200 <5.0 <200 <10.0 <400

1,2-DI- CHLORO- BENZENE TOTAL (UG/L)	1,2-DI- CHLORO- BENZENE TOTAL (UG/KG)	1,3-DI- CHLORO- BENZENE TOTAL (UG/L)	1,3-DI- CHLORO- BENZENE TOTAL (UG/KG)	1,4-DI- CHLORO- BENZENE TOTAL (UG/L)	1,4-DI- CHLORO- BENZENE TOTAL (UG/KG)	DIETHYL PHTHAL- ATE TOTAL (UG/L)	DIETHYL PHTHAL- ATE TOTAL (UG/KG)	DI- METHYL PHTHAL- ATE TOTAL (UG/L)	DI- METHYL PHTHAL- ATE TOTAL (UG/KG)	DI-N- BUTYL PHTHAL- ATE TOTAL (UG/L)
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AUG 02... <5.0 <200 <5.0 <200 <5.0 <200 <5.0 <200 <5.0 <200 <10.0 <400

02441391 TOMBIGBEE RIVER BELOW COLUMBUS LOCK AND DAM, MS--Continued

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DI-N-BUTYL-PHTHALATE BOT.MAT (UG/KG)	<200	DI-N-OCTYL-PHTHALATE BOT.MAT (UG/L)	<10.0	DI-N-OCTYL-PHTHALATE BOT.MAT (UG/KG)	<400	BIS(2-ETHYL-HEXYL)-PHTHALATE BOT.MAT (UG/L)	<35.0	BIS(2-ETHYL-HEXYL)-PHTHALATE BOT.MAT (UG/KG)	<200	FLUOR-ANTHRENE BOT.MAT (UG/L)	<5.0	FLUOR-ANTHRENE BOT.MAT (UG/KG)	<200
2,4-DI-NITRO-TOLUENE TOTAL (UG/L)	<5.0	2,6-DI-NITRO-TOLUENE TOTAL (UG/L)	<5.0	2,4-DI-NITRO-TOLUENE TOTAL (UG/KG)	<200	2,6-DI-NITRO-TOLUENE TOTAL (UG/KG)	<200	2,4-DI-NITRO-TOLUENE TOTAL (UG/L)	<5.0	2,6-DI-NITRO-TOLUENE TOTAL (UG/KG)	<200	2,4-DI-NITRO-TOLUENE TOTAL (UG/KG)	<200
DATE	AUG 02...												

FLUOR-ENE TOTAL (UG/L)	<5.0	FLUOR-ENE BOT.MAT (UG/L)	<200	HEXA-CHLORO-BENZENE TOTAL (UG/L)	<5.0	HEXA-CHLORO-BENZENE BOT.MAT (UG/KG)	<200	HEXA-CHLORO-BENZENE TOTAL (UG/L)	<5.0	HEXA-CHLORO-BENZENE BOT.MAT (UG/KG)	<200	HEXA-CHLORO-CYCLO-PENTADIENE TOTAL (UG/L)	<5.0	HEXA-CHLORO-CYCLO-PENTADIENE BOT.MAT (UG/KG)	<200
INDENO (1,2,3-CD)	<5.0	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	<200	ISO-PHORONE TOTAL (UG/L)	<5.0	ISO-PHORONE BOT.MAT (UG/KG)	<200	NAPHTH-ALENE TOTAL (UG/L)	<5.0	NAPHTH-ALENE BOT.MAT (UG/KG)	<200	NITRO-BENZENE TOTAL (UG/L)	<5.0	NITRO-BENZENE BOT.MAT (UG/KG)	<200
DATE	AUG 02...														

INDENO (1,2,3-CD)	<10.0	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	<200	ISO-PHORONE TOTAL (UG/L)	<5.0	ISO-PHORONE BOT.MAT (UG/KG)	<200	NAPHTH-ALENE TOTAL (UG/L)	<5.0	NAPHTH-ALENE BOT.MAT (UG/KG)	<200	NITRO-BENZENE TOTAL (UG/L)	<5.0	NITRO-BENZENE BOT.MAT (UG/KG)	<200	N-NITRO-SODI-METHYLAMINE TOTAL (UG/L)	<5.0	N-NITRO-SODI-METHYLAMINE BOT.MAT (UG/KG)	<200
DATE	AUG 02...																		

02441391 TOMBIGBEE RIVER BELOW COLUMBUS LOCK AND DAM, MS--Continued

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

N- NITRO- SODI-N- PROPYL- AMINE TOTAL (UG/L)	<5.0	N- NITRO- SODI-N- PHENY- LAMINE TOTAL (UG/L)	<5.0	N-NITRO -SODI- PHENY- LAMINE TOTAL (UG/KG)	<200	PHENAN- THRENE TOTAL (UG/L)	<5.0	PHENAN- THRENE BOT.MAT (UG/KG)	<200	PYRENE TOTAL (UG/L)	<5.0	PYRENE BOT.MAT (UG/KG)	<200	1,2,4- TRI- CHLORO- BENZENE TOTAL (UG/L)	<5.0	1,2,4- TRI- CHLORO- BENZENE BOT.MAT (UG/KG)	<200
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AUG  
02....

PARA- CHLORO- META CRESOL TOTAL (UG/L)	<30.0	PARA- CHLORO- META CRESOL BOT.MAT (UG/KG)	<600	2- CHLORO- PHENOL TOTAL (UG/L)	<5.0	2- CHLORO- PHENOL TOTAL (UG/KG)	<200	2,4-DI- CHLORO- PHENOL TOTAL (UG/L)	<5.0	2,4-DI- CHLORO- PHENOL BOT.MAT (UG/KG)	<200	2,4-DI- METHYL- PHENOL TOTAL (UG/L)	<5.0	2,4-DP, IN BOTTOM MAT. (UG/KG)	<200	2,4,- DI- NITRO- PHENOL TOTAL (UG/L)	<20.0	2,4- DI- NITRO- PHENOL BOT.MAT (UG/KG)	<600
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AUG  
02....

4,6- DINITRO -ORTHO- CRESOL TOTAL (UG/L)	<30.0	4,6- DINITRO -ORTHO- CRESOL BOT.MAT (UG/KG)	<600	2- NITRO- PHENOL TOTAL (UG/L)	<5.0	2- NITRO- PHENOL TOTAL (UG/KG)	<200	4- NITRO- PHENOL TOTAL (UG/L)	<30.0	4- NITRO- PHENOL BOT.MAT (UG/KG)	<600	PENTA- CHLORO- PHENOL TOTAL (UG/L)	<30.0	PENTA- CHLORO- PHENOL BOT.MAT (UG/KG)	<600	PHENOL (C6H- 5OH) TOTAL (UG/L)	<5.0	PHENOL (C6H- 5OH) BOT.MAT (UG/KG)	<200
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AUG  
02....



02441391 TOMBIGBEE RIVER BELOW COLUMBUS LOCK AND DAM, MS--Continued

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

2,4,6- TRI- CHLORO- PHENOL TOTAL (UG/L)	2,4,6- TRI- CHLORO- PHENOL BOT MAT (UG/KG)	BENZENE TOTAL (UG/L)	BROM- OF ORM TOTAL (UG/L)	CARBON- TETRA- CHLO- RIDE TOTAL (UG/L)	CHLORO- BENZENE TOTAL (UG/L)	CHLORO- ETHANE TOTAL (UG/L)	2- CHLORO- ETHYL- VINYL- ETHER TOTAL (UG/L)	CHLORO- FORM TOTAL (UG/L)	METHYL- CHLOR- IDE TOTAL (UG/L)
AUG 02....	<20.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3	<3.0

CHLORO- DI- BROMO- METHANE TOTAL (UG/L)	DI- CHLORO- BROMO- METHANE TOTAL (UG/L)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L)	1,2-DI- CHLORO- ETHANE TOTAL (UG/L)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L)	1,2- TRANS DI CHLORO- ETHYL- ENE TOTAL (UG/L)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L)	1,3-DI- CHLORO- PROPENE TOTAL (UG/L)	ETHYL- BENZENE TOTAL (UG/L)	METHYL- BROMIDE TOTAL (UG/L)
AUG 02....	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

METHYL- ENE CHLO- RIDE TOTAL (UG/L)	1,1,2,2 TETRA- CHLORO- ETHANE TOTAL (UG/L)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L)	TRI- CHLORO- FLOURO- METHANE TOTAL (UG/L)	VINYL CHLO- RIDE TOTAL (UG/L)
AUG 02....	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

02443500 LUXAPALLILA CREEK NEAR COLUMBUS, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPE-CIFIC CON-DUC-TANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	
NOV 20...	1420	710	27	5.8	11.5	55	11	11.4	103	1.6
FEB 20...	1405	1050	25	5.6	10.0	20	8.0	10.9	96	2.5
JUN 05...	1200	150	29	6.7	28.0	55	8.9	7.0	90	1.2
AUG 02...	1700	311	34	7.2	27.5	70	17	6.9	88	.7

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)
NOV 20...	220	7	2	1.8	.71	1.7	29	.3	1.2	5.0
FEB 20...	K18	6	0	1.4	.56	1.5	32	.3	.90	5.0
JUN 05...	K43	10	1	2.4	1.0	1.9	27	.3	1.0	9.0
AUG 02...	K49	11	4	3.2	.61	1.9	25	.3	1.4	7.0

02443500 LUXAPALLILA CREEK NEAR COLUMBUS, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
NOV 20....	4.5	3.7	<.10	7.8	39	25	.05	75	--	<.010
FEB 20....	3.7	2.6	<.10	5.8	20	20	.03	57	.09	.010
JUN 05....	4.6	.40	<.10	6.6	23	24	.03	9.3	--	<.010
AUG 02....	3.7	2.6	<.10	7.3	24	25	.03	20	--	<.010

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
NOV 20....	<.10	.230	2.1	2.3	--	.010	<.010	490	80
FEB 20....	.10	.030	.87	.90	1.0	<.010	<.010	230	58
JUN 05....	.20	.070	.03	.10	.30	.020	.020	440	110
AUG 02....	<.10	<.010	--	.40	--	<.010	<.010	140	29

02444161 TOMBIGBEE RIVER BELOW ALICEVILLE LOCK AND DAM, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
NOV 15...	1115	1350	108	6.7	14.5	55	25	10.4	--	K13
FEB 04...	1430	15900	110	6.8	10.0	80	50	15.8	2.3	K490
MAY 15...	1100	5860	94	7.1	24.0	75	3.4	8.7	1.2	60
AUG 02...	1240	2620	137	6.7	29.5	10	3.1	8.7	1.4	K13

DATE	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
NOV 15...	40	10	14	1.2	3.8	16	.3	2.2	30	9.6
FEB 04...	39	10	14	1.1	2.8	--	.2	--	30	9.9
MAY 15...	37	7	13	1.1	2.6	13	.2	1.6	31	7.5
AUG 02...	--	--	--	--	--	--	--	2.1	38	8.8

02444161 TOMBIGBEE RIVER BELOW ALICEVILLE LOCK AND DAM, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	CHLORIDE, DIS- SOLVED (MG/L AS CL)	FLUORIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
NOV 15...	6.3	<.10	7.0	68	62	.09	248	.17	.030
FEB 04...	4.5	<.10	5.4	61	56	.08	2620	.27	.030
MAY 15...	4.3	.10	7.0	62	56	.08	981	.08	.020
AUG 02...	13	.10	--	82	--	.11	580	--	.020

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
NOV 15...	.20	.110	2.2	2.3	2.5	.080	.010	220	7
FEB 04...	.30	.090	.51	.60	.90	.160	.020	49	8
MAY 15...	.10	<.010	--	.60	.70	.040	<.010	480	2
AUG 02...	<.10	<.010	--	.50	--	<.010	<.010	--	--

02446500 SIPSEY RIVER NEAR ELROD, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (PERCENT SATURATION)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)
NOV 16...	1130	463	150	6.3	11.5	28	10	9.7	--
FEB 04...	1000	1820	51	5.5	1.0	40	10	12.4	--
MAY 15...	0815	936	93	6.7	23.0	40	70	5.8	1.0
JUL 30...	0930	532	97	6.8	25.0	50	15	6.0	73 .7

DATE	COLIFORM, FECAL, 0.7 (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM, DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, LAB (MG/L AS CaCO3)
NOV 16...	260	58	39	11	7.4	2.5	8	.1	1.8	19
FEB 04...	K390	12	6	2.2	1.6	1.4	18	.2	1.1	6.0
MAY 15...	58	35	19	6.7	4.4	1.9	10	.1	1.5	18
JUL 30...	150	--	--	--	--	--	--	--	1.9	13

02446500 SIPSEY RIVER NEAR ELROD, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	
NOV 16....	40	2.9	<.10	7.4	88	85	.12	110	<.010
FEB 04....	9.8	2.5	<.10	5.4	36	28	.05	177	<.010
MAY 15....	21	2.3	.10	6.4	56	55	.08	142	<.010
JUL 30....	26	1.1	<.10	--	64	--	.09	92	<.010

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
NOV 16....	<.10	.090	.61	.70	--	.020	<.010	180	190
FEB 04....	<.10	<.010	--	.40	--	.040	<.010	500	4
MAY 15....	<.10	.030	.67	.70	--	<.010	<.010	570	170
JUL 30....	.20	.010	.29	.30	.50	.010	<.010	--	--

02446500 SIPSEY RIVER NEAR ELROD, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	<1	ARSENIC TOTAL FM BOT- TOM MA- TERIAL (UG/G AS CD)	<1	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	<1	CHRO- MIUM, TOTAL FM BOT- TOM MA- TERIAL (UG/G AS CR)	<1	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	<1	COBALT, TOTAL FM BOT- TOM MA- TERIAL (UG/L AS CO)	<10	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/L AS CO)	<10	COPPER, TOTAL FM BOT- TOM MA- TERIAL (UG/L AS CU)	7
DATE	JUL 30...														

COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	<1	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/L AS PB)	<10	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	<10	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	.03	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	.03	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/L AS NI)	<10	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/L AS NI)	<10	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	5
DATE	JUL 30...														

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	<1	PCB, TOTAL FM BOT- TOM MA- TERIAL (UG/KG)	<1	PCN, TOTAL FM BOT- TOM MA- TERIAL (UG/KG)	<1.0	ALDRIN, TOTAL FM BOT- TOM MA- TERIAL (UG/KG)	<1	ALDRIN, TOTAL FM BOT- TOM MA- TERIAL (UG/KG)	<1	CHLOR- DANE, TOTAL FM BOT- TOM MA- TERIAL (UG/L)	<1	CHLOR- DANE, TOTAL FM BOT- TOM MA- TERIAL (UG/L)	<1	DDD, TOTAL FM BOT- TOM MA- TERIAL (UG/KG)	.3
DATE	JUL 30...														



02446500 SIPSEY RIVER NEAR ELROD, AL--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUL 30...	<.010	.1	<.010	<.1	<.010	<.1	<.010	<.1	<.010

HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATERIAL. (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATERIAL. (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOTTOM MATERIAL. (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATERIAL. (UG/KG)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUL 30...	<.010	<.1	<.010	<.1	<.010	<.1	<.010	<.1	<.010

MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE IN BOTTOM MATERIAL (UG/L)	PER- THANE IN BOTTOM MATERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JUL 30...	<.1	<.1	<1.00	<1	<10	.06	<.01	<.01	<.01	<.01

02448000 NOXUBEE RIVER AT MACON, MS

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)
OCT				
22...	1545	618	205	342
23...	0830	872	284	669
30...	1430	232	45	28
DEC				
13...	1600	166	35	16
JAN				
31...	1600	4610	619	7700
MAR				
12...	1600	432	43	50
APR				
18...	1445	954	124	319
MAY				
29...	1530	126	34	12
JUL				
10...	2000	79	33	7.0

02448500 NOXUBEE RIVER NEAR GEIGER, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (PERCENT SATURATION)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)
NOV 15...	1500	206	99	6.7	12.5	120	100	10.2	--
FEB 05...	0845	7580	114	6.6	2.0	80	60	12.6	1.5
MAY 15...	1345	1050	145	7.8	24.0	75	55	7.0	--
AUG 07...	0815	293	172	7.8	27.0	30	35	6.2	91 .9

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CaCO3)
NOV 15...	690	36	8	12	1.4	3.7	17	.3	1.9	28	
FEB 05...	K580	44	11	15	1.5	3.3	--	.2	--	33	
MAY 15...	K500	57	10	19	2.2	5.4	17	.3	1.5	47	
AUG 07...	K48	--	--	--	--	--	--	--	2.1	69	

02448500 NOXUBEE RIVER NEAR GEIGER, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRIIE TOTAL (MG/L AS N)
NOV 15...	12	4.4	<.10	7.7	72	60	.10	40	.18	.020
FEB 05...	13	4.0	<.10	6.0	80	--	.11	1640	.17	.030
MAY 15...	16	5.3	.10	11	93	89	.13	264	--	--
AUG 07...	7.5	4.1	.10	--	104	--	.14	82	.17	.030

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
NOV 15...	.20	<.010	--	.90	1.1	.060	.020	150	22
FEB 05...	.20	.050	.55	.60	.80	.160	.040	83	2
MAY 15...	--	--	--	--	--	.000	<.010	430	3
AUG 07...	.20	.050	.35	.40	.60	.050	.020	--	--

02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPE-CIFIC CON-DUC-TANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)
NOV 09...	1015	9500	92	6.9	18.0	55	20	9.0	95
FEB 06...	1215	55100	118	6.9	2.0	80	85	14.4	104
MAY 14...	1020	10900	90	6.9	23.0	300	25	8.4	98
AUG 07...	1345	500	127	7.7	30.0	10	7.0	8.8	117

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COL.S./100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)
NOV 09...	34	33	8	11	1.3	2.8	15	.2	2.1	26	
FEB 06...	370	47	13	17	1.0	2.5	10	.2	1.6	42	
MAY 14...	43	33	8	11	1.3	2.5	14	.2	1.6	26	
AUG 07...	K20	48	13	16	1.8	4.6	17	.3	1.9	37	

02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)
NOV 09....	9.1	4.3	<.10	6.2	--	52	.07	1350	.17	.030
FEB 06....	10	3.8	<.10	5.1	68	63	.09	10100	.35	.050
MAY 14....	9.1	10	.20	7.2	64	58	.09	1880	--	.020
AUG 07....	9.7	8.7	<.10	3.0	79	67	.11	107	--	.010

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
NOV 09....	.20	.290	.21	.50	.70	.040	<.010	210	6
FEB 06....	.40	.060	.64	.70	1.1	.150	.060	280	59
MAY 14....	<.10	<.010	--	1.1	--	.040	<.010	470	5
AUG 07....	<.10	.030	.47	.50	--	<.010	<.010	11	<1

02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL--Continued

SPECIFIC CONDUCTANCE, MICRO SIEMENS PER CENTIMETER AT 25 DEG. C, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	142	136	104	89	104	98	114	102	144	137	136	132
2	140	136	112	87	119	97	155	110	139	133	133	127
3	139	135	143	94	113	93	137	114	133	127	129	125
4	138	135	114	94	95	88	138	114	127	116	128	124
5	136	132	130	86	95	89	133	115	130	116	133	123
6	138	135	102	86	99	89	136	114	124	108	131	119
7	138	135	114	87	95	88	137	115	108	103	135	113
8	138	135	105	83	92	86	155	113	103	98	144	111
9	139	136	96	85	88	84	122	119	100	98	140	106
10	138	136	98	84	91	80	140	115	100	98	121	109
11	138	135	93	82	110	77	121	113	115	99	134	109
12	137	135	92	86	103	79	143	112	116	109	130	107
13	138	135	113	88	101	73	136	113	115	108	153	107
14	138	135	103	90	98	73	140	115	108	97	120	108
15	137	135	104	93	90	76	132	115	98	93	131	107
16	138	134	107	98	91	76	125	116	94	92	135	101
17	148	133	117	107	100	73	122	116	92	90	133	104
18	142	133	132	107	87	76	141	123	93	90	139	104
19	140	135	110	101	87	80	143	138	95	90	136	105
20	146	137	113	98	105	82	156	143	94	88	140	106
21	149	136	102	94	132	80	188	154	91	85	116	107
22	166	141	108	97	107	82	155	149	118	83	132	106
23	187	145	116	102	125	83	151	145	91	85	118	107
24	192	131	117	105	109	90	148	144	133	88	120	111
25	131	101	115	105	139	86	144	138	137	117	132	110
26	101	92	120	103	116	91	138	135	134	125	128	110
27	94	90	112	102	105	95	136	134	136	132	131	111
28	97	91	142	112	113	95	140	129	138	135	135	115
29	100	90	129	106	139	95	142	126	---	---	142	114
30	103	93	106	104	116	98	144	125	---	---	123	115
31	110	93	---	---	129	100	144	123	---	---	135	115
MONTH	192	90	143	82	139	73	188	102	144	83	153	101

02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL---Continued  
 SPECIFIC CONDUCTANCE, MICRO SIEMENS PER CENTIMETER AT 25 DEG. C, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	125	121	140	125	112	100	134	110	175	149	141	132
2	123	116	129	120	131	100	139	113	163	138	147	132
3	120	114	152	127	134	100	135	118	158	137	151	131
4	136	113	145	108	132	107	138	124	144	127	148	130
5	128	114	108	75	131	101	134	126	138	123	145	135
6	135	119	82	75	135	109	147	130	140	117	142	134
7	160	118	86	81	121	104	145	135	145	112	142	130
8	137	132	87	81	124	105	151	138	144	128	135	127
9	142	131	101	80	122	105	156	145	142	125	142	123
10	141	127	87	82	131	105	149	141	129	121	136	122
11	147	120	84	79	147	110	150	139	146	120	130	122
12	142	116	89	79	124	109	149	136	145	123	132	123
13	129	113	117	86	129	112	157	133	136	125	133	124
14	136	110	101	85	121	100	161	134	138	128	132	123
15	169	110	101	89	105	88	148	130	141	129	130	123
16	133	121	130	88	96	81	141	123	143	128	133	124
17	133	120	133	92	106	84	131	121	141	127	129	124
18	131	117	127	92	120	87	129	118	141	129	133	125
19	149	108	117	93	126	103	125	116	145	131	134	127
20	140	111	102	94	125	111	121	114	137	128	135	127
21	142	103	131	92	138	107	126	115	147	129	138	129
22	112	100	134	93	142	107	128	114	155	130	140	131
23	134	98	110	95	120	108	124	114	149	131	142	131
24	128	97	147	97	145	113	127	115	148	129	143	130
25	134	108	119	95	130	115	144	108	143	127	137	130
26	136	127	127	99	146	115	141	124	134	126	141	128
27	132	127	115	97	127	111	170	140	146	126	140	128
28	138	132	139	101	125	107	175	140	154	126	134	126
29	136	125	129	97	131	107	175	142	145	126	135	129
30	133	125	131	100	148	110	171	143	152	127	133	130
31	---	---	121	98	---	---	182	147	146	129	---	---
MONTH	169	97	152	75	148	81	182	108	175	112	151	122
YEAR	192	73										



02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY			FEBRUARY			MARCH		
	MAX	MIN		MAX	MIN		MAX	MIN		MAX	MIN		MAX	MIN		MAX	MIN	
1	23.5	23.0		22.0	21.5		12.0	11.5		15.0	14.5		5.0	4.5		13.0	13.0	
2	23.0	22.0		21.5	21.0		11.5	11.5		14.5	14.0		4.5	3.5		13.0	12.5	
3	23.0	21.5		21.0	19.5		11.5	11.5		14.0	13.0		3.5	2.5		13.0	12.5	
4	23.0	22.5		20.5	20.0		11.5	10.5		13.0	12.0		2.5	2.0		13.5	13.0	
5	23.5	22.0		20.5	18.5		10.5	10.0		12.5	11.0		2.0	2.0		14.0	13.5	
6	24.0	23.0		19.5	18.5		10.0	9.5		11.5	10.0		2.0	2.0		14.5	13.5	
7	23.0	22.5		19.0	17.0		9.5	8.5		10.5	10.0		2.0	2.0		14.5	13.5	
8	23.0	22.5		18.5	17.0		8.5	8.0		10.5	8.5		2.5	2.0		15.0	14.0	
9	23.5	22.0		19.0	17.5		8.5	8.0		12.0	9.5		2.5	2.0		15.5	14.5	
10	23.5	23.0		19.0	18.0		9.5	7.5		12.0	11.0		3.0	2.5		16.0	15.0	
11	24.0	23.0		18.5	17.5		8.0	7.5		11.5	10.5		3.5	3.0		16.5	15.5	
12	23.5	23.0		17.5	16.5		8.5	7.5		10.5	9.0		4.0	3.5		16.5	16.5	
13	24.0	23.0		17.0	15.0		9.0	8.0		9.5	8.5		4.0	3.5		17.0	16.5	
14	24.0	23.0		16.5	15.0		10.0	9.0		9.0	8.0		4.0	4.0		17.0	16.5	
15	24.0	23.5		16.5	15.0		10.0	9.5		9.0	8.0		4.0	4.0		17.0	16.5	
16	24.0	23.5		16.5	16.0		10.5	10.0		8.5	8.0		4.5	4.0		17.0	16.5	
17	23.5	23.0		16.0	14.5		11.5	10.0		8.0	7.5		5.0	4.5		17.0	16.5	
18	24.0	23.0		16.0	14.5		11.5	11.0		7.5	6.5		5.5	5.0		16.5	16.0	
19	24.0	23.0		15.5	15.0		12.0	11.5		6.5	6.5		6.0	5.5		17.0	15.5	
20	24.0	23.5		15.0	14.5		12.5	12.0		6.5	5.0		6.5	6.0		16.5	16.0	
21	23.5	23.0		14.5	13.5		14.0	12.0		5.0	4.5		7.5	6.5		16.5	16.0	
22	23.5	23.0		13.5	13.0		13.5	12.5		4.5	4.0		9.0	7.5		16.5	16.0	
23	23.0	22.5		13.0	12.5		13.5	13.0		4.5	4.0		9.5	8.5		17.0	16.0	
24	22.5	21.5		13.0	12.0		14.0	13.0		4.5	4.0		11.5	10.0		16.5	16.0	
25	21.5	21.0		12.5	12.0		14.0	13.5		4.5	4.0		12.5	11.5		17.0	16.5	
26	21.0	20.5		12.5	12.0		14.0	13.5		4.0	3.5		13.0	12.5		17.5	16.5	
27	21.0	20.5		13.0	12.5		14.0	13.5		4.0	3.5		13.0	13.0		17.0	17.0	
28	21.0	20.5		12.5	12.0		14.0	13.5		4.0	3.5		13.0	13.0		17.5	17.0	
29	21.5	21.0		13.0	12.5		14.5	14.0		4.0	3.5		---	---		19.5	17.5	
30	21.5	21.0		12.5	12.0		14.5	14.0		4.0	3.5		---	---		19.0	18.0	
31	22.0	21.0		---	---		15.0	14.5		5.0	4.0		---	---		19.5	18.5	
MONTH	24.0	20.5		22.0	12.0		15.0	7.5		15.0	3.5		13.0	2.0		19.5	12.5	

02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL--Continued  
 TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	19.5	18.5	22.5	22.0	27.0	25.5	28.5	26.5	29.5	28.0	28.0	27.0
2	19.0	19.0	22.5	22.0	29.0	26.0	27.5	26.5	29.0	29.0	27.0	26.0
3	19.5	18.5	22.0	21.0	28.0	27.0	28.0	26.5	29.0	28.5	27.0	26.0
4	19.5	19.0	21.0	20.0	29.0	27.5	28.0	27.0	29.5	28.5	26.5	25.0
5	19.5	19.0	20.0	19.5	29.5	27.0	28.0	27.0	29.0	27.5	25.5	25.0
6	19.5	18.5	20.0	19.5	30.0	28.5	27.5	26.5	28.5	28.0	26.0	25.0
7	20.0	19.0	20.5	20.0	29.5	27.5	28.0	27.0	29.0	26.5	26.5	25.0
8	19.5	19.0	21.0	20.5	28.5	27.5	28.5	27.5	27.0	26.0	26.5	25.5
9	19.5	18.0	20.5	20.0	29.0	28.0	29.5	27.0	28.0	26.5	26.0	25.5
10	18.5	17.5	20.5	20.0	28.5	28.0	29.0	27.5	28.5	26.5	27.5	25.5
11	18.5	17.5	20.5	20.0	28.5	28.0	29.0	28.0	27.5	26.5	28.0	27.0
12	18.5	17.5	21.0	20.5	29.0	28.0	29.5	27.5	27.5	27.0	28.0	27.5
13	19.0	18.0	21.5	21.0	29.0	28.0	30.0	28.0	28.0	26.5	28.0	27.0
14	19.0	18.0	22.0	21.5	28.5	27.0	29.5	28.0	27.5	26.5	27.0	26.0
15	18.5	18.0	23.5	22.0	27.0	26.5	29.5	28.5	27.0	26.0	26.5	26.0
16	18.5	18.0	24.5	23.5	27.0	26.0	30.0	29.0	26.0	25.5	26.0	25.0
17	19.0	18.0	24.0	23.5	28.5	26.5	30.0	29.0	26.0	25.5	26.0	25.0
18	19.5	18.5	24.0	23.0	27.5	26.5	30.5	29.0	26.0	25.5	26.5	25.0
19	20.0	19.0	24.0	23.0	27.0	26.5	30.5	29.0	26.0	25.0	26.0	25.0
20	20.5	19.5	24.5	23.5	27.5	26.5	30.5	29.0	26.0	25.5	26.0	24.5
21	21.0	20.0	24.0	23.5	27.0	26.5	30.5	29.0	26.0	25.5	26.5	25.0
22	21.5	20.5	25.0	23.5	28.5	26.0	30.5	29.5	26.5	25.0	26.0	25.5
23	22.0	21.0	25.0	23.5	27.5	26.0	30.0	29.5	26.5	25.5	26.5	25.5
24	21.5	21.5	25.5	23.5	27.5	26.0	29.5	29.0	26.5	25.5	26.5	25.5
25	22.0	21.5	24.5	24.0	27.5	26.5	29.5	24.0	26.0	25.0	26.0	25.0
26	22.5	22.0	25.5	24.0	29.5	27.0	28.5	25.0	25.5	25.0	25.5	25.0
27	22.0	21.0	25.5	24.0	28.0	27.5	28.5	26.0	25.0	24.5	25.0	24.0
28	22.0	21.0	26.0	24.5	28.0	27.0	28.5	26.5	25.5	24.0	24.5	23.5
29	22.5	21.5	26.5	24.5	27.0	26.5	28.5	28.0	25.0	24.5	24.0	23.5
30	22.5	22.0	27.0	25.0	28.0	26.5	28.5	28.0	25.0	24.5	23.5	23.0
31	---	---	27.0	25.0	---	---	29.0	28.0	27.5	24.0	---	---
MONTH	22.5	17.5	27.0	19.5	30.0	25.5	30.5	24.0	29.5	24.0	28.0	23.0
YEAR	30.5	2.0										

02467001 TOMBIGBEE RIVER BELOW DEMOPOLIS LOCK AND DAM, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
NOV										
14...	1130	6600	130	7.5	17.0	45	22	103	10.0	50
FEB										
05...	1215	81300	149	6.7	5.0	40	45	--	1.8	300
MAY										
16...	0915	16600	173	7.4	24.0	30	15	--	.8	--
AUG										
09...	0945	10300	180	7.8	29.0	5	3.0	10	.8	K13

DATE	TIME	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CA)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)
NOV											
14...	47	10	15	15	2.2	4.6	17	.3	2.2	37	16
FEB											
05...	49	15	15	15	2.9	5.3	--	.3	--	34	21
MAY											
16...	59	25	15	15	5.3	8.3	23	.5	1.8	35	35
AUG											
09...	--	--	--	--	--	--	--	--	2.3	44	28

02467001 TOMBIGBEE RIVER BELOW DEMOPOLIS LOCK AND DAM, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)
NOV 14...	5.5	<.10	5.5	89	73	.12	1590	.27	.030	.030
FEB 05...	5.3	<.10	5.4	90	--	.12	19800	.37	.030	.030
MAY 16...	5.2	.20	4.5	87	96	.12	3900	.28	.020	.020
AUG 09...	7.3	<.10	--	110	--	.15	3060	--	<.010	<.010

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
NOV 14...	.30	.250	.05	.30	.60	.040	<.010	170	5
FEB 05...	.40	.090	.41	.50	.90	.140	.040	140	2
MAY 16...	.30	<.010	--	1.3	1.6	<.010	<.010	240	3
AUG 09...	.30	<.010	--	.40	.70	<.010	<.010	--	--

02467001 TOMBIGBEE RIVER BELOW DEMOPOLIS LOCK AND DAM, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G) AS AS)	ARSENIC TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS CD)	CADMIUM RECOV. TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L) AS CR)	CHRO- MIUM, TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS CO)	COBALT, RECOV. TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS CO)	COBALT, RECOV. TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L) AS CU)
1	<1	<1	1	3	<1	<10	5

COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS CU)	LEAD, RECOV- TOTAL FM BOT- TOM MA- TERIAL (UG/L) AS PB)	LEAD, RECOV. TOTAL FM BOT- TOM MA- TERIAL (UG/L) AS PB)	MERCURY RECOV. TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS HG)	MERCURY RECOV. TOTAL FM BOT- TOM MA- TERIAL (UG/L) AS HG)	NICKEL, RECOV- TOTAL FM BOT- TOM MA- TERIAL (UG/L) AS NI)	NICKEL, RECOV. TOTAL FM BOT- TOM MA- TERIAL (UG/L) AS NI)	ZINC, RECOV. TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS ZN)	ZINC, RECOV. TOTAL FM BOT- TOM MA- TERIAL (UG/G) AS ZN)
1	4	<10	<1	.04	9	<10	20	5

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
<.1	<.10	<1.0	<.1	<.1	<1.0	<.1	<.010

02467001 TOMBIGBEE RIVER BELOW DEMOPOLIS LOCK AND DAM, AL--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
AUG 09...	<.010	<.1	<.010	<.1	<.010	<.1	<.010	<.1	<.010	<.1

DATE	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOT- TOM MA- TERIAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL (UG/L)
AUG 09...	<.010	<.1	<.010	<.1	<.010	<.1	<.01	<.1	<.01

DATE	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE IN BOT- TOM MA- TERIAL (UG/L)	PER- THANE IN BOT- TOM MA- TERIAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
AUG 09...	<.1	<.1	<1.00	<1	<10	.03	<.01	<.01	<.01	<.01



02467001 TOMBIGBEE RIVER BELOW DEMOPOLIS LOCK AND DAM, AL--Continued  
 SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

1,2-DI- CHLORO- BENZENE TOTAL (UG/L)	1,2-DI- CHLORO- BENZENE TOTAL (UG/L)	1,3-DI- CHLORO- BENZENE TOTAL (UG/L)	1,3-DI- CHLORO- BENZENE TOTAL (UG/L)	1,4-DI- CHLORO- BENZENE TOTAL (UG/L)	1,4-DI- CHLORO- BENZENE TOTAL (UG/L)	DIETHYL PHTHAL- ATE TOTAL (UG/L)	DIETHYL PHTHAL- ATE TOTAL (UG/L)	DI- METHYL PHTHAL- ATE TOTAL (UG/L)	DI- METHYL PHTHAL- ATE TOTAL (UG/L)	DI-N- BUTYL PHTHAL- ATE TOTAL (UG/L)
<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<200	<5.0

DI-N- BUTYL PHTHAL- ATE TOTAL (UG/L)	2,4-DI- NITRO- TOLUENE TOTAL (UG/L)	2,4-DI- NITRO- TOLUENE TOTAL (UG/L)	2,6-DI- NITRO- TOLUENE TOTAL (UG/L)	2,6-DI- NITRO- TOLUENE TOTAL (UG/L)	DI-N- OCTYL PHTHAL- ATE TOTAL (UG/L)	DI-N- OCTYL PHTHAL- ATE TOTAL (UG/L)	BIS(2- ETHYL HEXYL) PHTHAL- ATE TOTAL (UG/L)	BIS(2- ETHYL HEXYL) PHTHAL- ATE TOTAL (UG/L)	FLUOR- ANTHENE TOTAL (UG/L)	FLUOR- ANTHENE TOTAL (UG/L)
<200	<5.0	<5.0	<5.0	<5.0	<10.0	<400	<22.0	<200	<5.0	<200

DATE	AUG 09...	<5.0	<200	<5.0	<200	<5.0	<200	<5.0	<200	<5.0	<200
FLUOR- ENE TOTAL (UG/L)	FLUOR- ENE TOTAL (UG/L)	HEXA- CHLORO- BENZENE TOTAL (UG/L)	HEXA- CHLORO- BENZENE TOTAL (UG/L)	HEXA- CHLORO- BENZENE TOTAL (UG/L)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L)	HEXA- CHLORO- PENT- ADIENE TOTAL (UG/L)	HEXA- CHLORO- PENT- ADIENE TOTAL (UG/L)	HEXA- CHLORO- ETHANE TOTAL (UG/L)	HEXA- CHLORO- ETHANE TOTAL (UG/L)	
<5.0	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<200	







02469762 TOMBIGBEE RIVER BELOW COFFEEVILLE LOCK AND DAM, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, SATURATED (MG/L)	COLIFORM, FECAL, UM-MF (COLS./100 ML)	HARDNESS, NONCARBONATE (MG/L)	HARDNESS, CACO3
OCT 11...	0945	2500	230	7.3	23.0	15	7.8	91	K19	65	15
FEB 14...	1100	78800	119	6.4	5.0	65	13.4	104	160	42	15
APR 18...	1130	21500	165	6.9	20.0	10	10.1	110	K11	55	16
AUG 15...	1030	5600	196	7.0	30.0	7.5	8.2	110	K18	63	23

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM DIS-SOLVED (MG/L AS MG)	SODIUM DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SOLIDS, DIS-SOLUTION RATIO	POTASSIUM DIS-SOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)
OCT 11...	19	4.2	19	38	1	2.2	51	32	16	.10
FEB 14...	14	1.8	3.6	15	.3	1.6	33	14	4.0	<.10
APR 18...	17	3.1	9.5	26	.6	1.8	40	21	11	<.10
AUG 15...	17	4.9	12	28	.7	2.7	42	31	10	.20

DATE	SILICA, DIS-SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED PER AC-FT	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DIS-SOLVED (MG/L AS P)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
OCT 11...	1.3	130	120	.18	877	.80	.020	<.010	36	36
FEB 14...	5.5	73	62	.10	15500	.60	.120	.010	140	29
APR 18...	5.0	97	93	.13	5630	.80	.030	<.010	190	3
AUG 15...	1.9	122	100	.17	1840	.30	<.010	<.010	50	8

02469762 TOMBIGBEE RIVER BELOW COFFEEVILLE LOCK AND DAM, AL--Continued  
 SPECIFIC CONDUCTANCE, MICRO SIEMENS PER CENTIMETER AT 25 DEG. C, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
 ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	185	124	142	166	146	103	142	128	165	110	213	149
2	182	114	154	154	160	104	145	120	187	140	210	152
3	184	118	152	152	152	122	135	132	183	142	215	156
4	182	132	150	151	144	118	165	142	182	143	198	153
5	210	140	150	154	148	118	160	134	180	142	200	152
6	210	146	134	150	150	120	158	133	194	149	196	205
7	208	136	142	151	146	125	160	115	183	146	190	160
8	205	138	140	154	148	128	148	110	185	151	194	163
9	203	137	143	152	148	130	150	110	180	158	200	165
10	200	130	110	155	150	132	144	126	170	166	199	163
11	210	128	150	152	130	136	147	123	188	168	209	162
12	211	131	153	146	115	135	142	130	159	157	207	161
13	208	130	165	145	121	130	148	143	176	133	205	160
14	206	131	159	150	122	131	150	150	179	150	213	162
15	215	130	160	148	120	136	148	151	175	134	210	163
16	210	128	160	145	113	137	148	153	159	131	200	---
17	208	133	177	150	120	140	148	157	161	137	240	---
18	210	144	180	150	118	139	148	165	172	149	244	183
19	210	146	178	154	113	138	149	169	164	153	210	175
20	210	142	180	150	116	136	148	170	152	142	192	165
21	205	140	185	148	118	136	150	170	148	123	162	168
22	190	138	180	132	120	142	132	167	148	151	147	165
23	174	146	176	134	123	140	142	162	149	144	140	---
24	146	125	174	146	122	140	143	186	147	154	147	164
25	142	130	185	145	121	136	147	160	146	153	157	172
26	140	137	193	145	108	138	145	187	147	164	163	170
27	135	119	197	148	110	137	142	183	160	160	154	170
28	130	142	190	146	112	136	133	184	148	160	155	182
29	145	144	180	149	---	136	122	179	123	150	155	180
30	145	131	179	148	---	136	124	179	118	165	147	182
31	142	---	185	152	---	143	---	168	---	170	150	---
MEAN	186	134	165	149	129	132	145	151	164	148	188	167
WTR YR 1985	MEAN	155	MAX	244	MIN	103						

02469762 TOMBIGBEE RIVER BELOW COFFEEVILLE LOCK AND DAM, AL--Continued  
 TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
 ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.5	24.0	15.0	16.0	9.0	14.5	19.0	24.0	28.0	29.0	31.0	30.0
2	25.0	23.0	14.0	15.0	8.0	14.5	19.5	24.0	28.0	29.0	31.0	29.0
3	25.0	23.0	14.0	14.0	8.0	15.0	20.0	24.0	28.0	29.0	31.0	29.0
4	25.0	23.0	14.0	14.0	8.0	16.0	20.0	24.0	28.0	29.0	31.0	29.0
5	25.0	23.0	14.0	14.0	8.0	16.0	19.0	24.5	29.0	29.0	30.0	29.0
6	25.0	22.5	13.0	13.0	8.0	15.0	19.0	23.0	29.0	29.0	32.0	29.0
7	25.0	22.0	13.0	13.0	8.0	15.5	19.0	23.0	29.0	29.0	30.0	30.0
8	25.0	22.0	12.0	13.0	8.0	16.0	19.0	23.0	29.0	29.0	30.0	29.0
9	25.0	22.5	12.0	13.0	8.0	16.0	19.0	23.0	29.0	29.0	30.0	29.0
10	25.0	21.0	12.0	13.0	8.0	16.0	19.0	23.5	29.0	29.0	30.0	29.0
11	25.0	20.0	12.0	13.0	7.5	16.0	20.0	24.0	29.0	29.0	30.0	30.0
12	25.0	20.0	13.0	12.0	7.0	16.5	20.0	24.0	29.0	29.0	30.5	30.0
13	25.0	20.0	14.0	12.0	7.0	17.0	20.0	24.5	29.0	30.0	30.5	29.0
14	26.0	20.0	14.0	12.0	7.0	18.0	20.0	24.0	29.0	30.5	32.0	30.0
15	25.5	19.5	14.0	12.0	7.0	18.0	20.0	24.5	29.0	30.0	31.0	29.0
16	26.0	19.0	14.0	12.0	7.0	17.5	19.0	24.5	29.0	30.0	29.0	---
17	26.0	19.0	14.5	11.0	7.0	17.0	20.0	25.0	29.0	30.0	30.0	---
18	26.0	19.0	14.0	11.0	7.0	17.0	20.0	25.0	29.0	30.0	30.0	29.0
19	26.0	19.0	14.0	11.0	9.0	17.0	20.0	25.0	28.0	30.0	30.0	29.0
20	26.0	19.0	14.0	9.0	9.0	17.0	20.0	25.0	28.0	30.0	31.0	29.0
21	26.0	19.0	15.0	8.0	9.0	17.0	21.0	25.0	28.0	31.0	31.0	29.0
22	26.0	17.5	15.0	8.0	9.0	17.0	22.0	25.0	29.0	31.0	33.0	28.0
23	25.5	17.0	15.0	8.5	11.0	17.0	22.0	25.0	29.0	30.0	33.0	---
24	25.0	17.0	15.0	9.0	9.0	17.0	23.0	24.0	29.0	30.0	31.0	28.0
25	25.0	16.0	14.0	9.0	9.0	17.0	23.0	25.0	29.0	30.0	30.0	28.0
26	25.0	16.0	15.0	9.0	13.0	18.0	23.0	26.0	29.0	30.0	30.0	28.0
27	25.0	16.0	15.0	9.0	13.0	18.0	23.0	26.5	30.0	29.0	30.0	26.5
28	25.0	14.0	16.0	9.0	15.0	18.0	23.0	26.0	30.0	29.0	30.0	26.5
29	25.0	15.5	15.5	9.0	---	18.0	24.0	26.0	30.0	29.0	30.0	26.0
30	25.0	14.0	16.0	9.0	---	18.0	24.0	27.0	29.5	30.0	30.0	26.0
31	25.0	---	16.0	10.0	---	19.0	---	28.0	---	30.0	30.0	---
MEAN	25.5	19.5	14.0	11.5	8.5	17.0	20.5	24.5	29.0	29.5	30.5	28.5
WTR YR 1985	MEAN	21.5	MAX	33.0	MIN	7.0						

MISCELLANEOUS SURFACE-WATER SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAM- PLING DEPTH (FEET)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
343018088193035 - TTW LOCK "E" POOL SEDIMENTATION RANGE 6AE (LAT 34 30 18 LONG 088 19 30)										
JUL , 1985										
30...	1200	--	--	--	--	--	52.6	--	--	<5
30...	1201	1.00	--	126	7.4	28.5	--	6.5	84	--
30...	1202	5.00	--	126	7.4	27.5	--	6.5	83	--
30...	1203	10.0	--	126	7.4	27.5	--	6.5	83	--
30...	1204	13.0	--	126	7.3	27.5	--	5.9	75	--
342949088193735 - TTW LOCK "E" POOL MACKEYS CREEK INTAKE (LAT 34 29 49 LONG 088 19 37)										
JUL , 1985										
30...	1135	--	--	--	--	--	40.8	--	--	--
30...	1136	--	--	128	7.4	28.0	--	7.2	92	--
02430014 - MACKEYS CREEK EXIT CHANNEL NR MOORES MILL, MS (LAT 34 29 49 LONG 088 19 37)										
JUL , 1985										
30...	1135	--	9.0	--	--	--	--	--	--	--
30...	1136	--	--	120	7.2	28.5	--	7.2	93	--
342917088194935 - TTW LOCK "E" POOL RED BUD CREEK INTAKE (LAT 34 29 17 LONG 088 19 49)										
JUL , 1985										
30...	1230	--	--	--	--	--	>18.0	--	--	--
30...	1231	--	--	121	7.0	29.0	--	7.1	93	--
02430016 - RED BUD CREEK EXIT CHANNEL NR MOORES MILL, MS (LAT 34 29 17 LONG 088 19 49)										
JUL , 1985										
30...	1230	--	.83	--	--	--	--	--	--	--
30...	1231	--	--	113	7.1	29.5	--	7.1	93	--

MISCELLANEOUS SURFACE-WATER SITES--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAMPLING DEPTH (FEET)	STREAM-FLOW, INSTANTANEOUS (CFS)	SPE-CIFIC CON-DUCTANCE (US/CM)	PH (STANDARD)	TEMPERATURE (DEG C)	TRANS-PAR-ENCY (SECCHI DISK (IN))	OXYGEN, DIS-SOLVED (PER-CENT SATURATION)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
342756088213535 - TTW LOCK "E" POOL SEDIMENTATION RANGE IAE (LAT 34 27 56 LONG 088 21 35)									
JUL, 1985	1240	--	--	--	--	--	45.0	--	K45
30...	1241	1.00	--	119	7.2	28.5	--	6.6	85
30...	1242	5.00	--	119	7.2	28.0	--	6.9	89
30...	1243	10.0	--	116	7.1	27.5	--	6.0	76
30...	1244	15.0	--	115	7.0	27.0	--	5.4	68
30...	1245	20.0	--	114	7.0	26.5	--	5.3	66
30...	1246	23.0	--	114	7.0	26.5	--	4.9	61
342756088215400 - TTW LOCK "E" LOCK SPILLWAY EXIT CHANNEL (LAT 34 27 56 LONG 088 21 54)									
JUL, 1985	1300	--	--	126	7.2	30.5	--	7.8	105
342704088234535 - TTW LOCK "D" POOL NAVIGATION MILE 404.8 (LAT 34 27 04 LONG 088 23 45)									
JUL, 1985	1330	--	--	--	--	--	43.2	--	<5
30...	1331	1.00	--	121	7.6	29.0	--	7.1	93
30...	1332	5.00	--	120	7.4	28.5	--	7.1	92
30...	1333	10.0	--	119	6.8	28.0	--	6.5	83
30...	1334	13.0	--	119	6.8	28.0	--	6.4	82
342238088242835 - TTW LOCK "D" POOL MUD CREEK INTAKE (LAT 34 22 38 LONG 088 24 28)									
JUL, 1985	1415	--	--	113	7.2	32.0	66.0	--	4.9
30...	1416	--	--	--	--	--	--	--	67

MISCELLANEOUS SURFACE-WATER SITES--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAM- PLING DEPTH (FEET)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
02431450 - MUD CREEK EXIT CHANNEL NR MANTACHIE, MS (LAT 34 22 38 LONG 088 24 28)										
JUL , 1985										
30...	1415	--	.00	--	--	--	--	--	--	--
342201088242935 - TTW LOCK "D" POOL SEDIMENTATION RANGE 1AD (LAT 34 22 01 LONG 088 24 29)										
JUL , 1985							66.0	--	--	<5
30...	1420	--	--	--	7.1	32.0	--	6.1	84	--
30...	1421	1.00	--	114	7.0	29.5	--	6.2	82	--
30...	1422	5.00	--	112	6.9	28.5	--	3.9	50	--
30...	1423	10.0	--	112	6.9	28.5	--	2.9	38	--
30...	1424	15.0	--	110	6.9	28.5	--	2.6	33	--
30...	1425	20.0	--	110	6.9	28.0	--	2.0	26	--
30...	1426	25.0	--	112	6.9	28.0	--	.4	5	--
30...	1427	28.0	--	119	6.9	28.0	--	--	--	--
342043088244535 - TTW LOCK "C" POOL NAVIGATION MILE 397.1 (LAT 34 20 43 LONG 088 24 45)										
JUL , 1985							43.2	--	--	<5
30...	1500	--	--	--	7.0	31.5	--	6.1	83	--
30...	1501	1.00	--	110	7.0	30.5	--	6.1	82	--
30...	1502	5.00	--	109	7.0	28.5	--	5.6	72	--
30...	1503	10.0	--	108	7.0	28.5	--	5.1	66	--
30...	1504	12.0	--	108	7.0	28.5	--	--	--	--
341628088254035 - TTW LOCK "C" POOL SEDIMENTATION RANGE 2AC (LAT 34 16 28 LONG 088 25 40)										
JUL , 1985							45.6	--	--	<5
30...	1530	--	--	--	7.1	33.0	--	6.7	94	--
30...	1531	1.00	--	105	7.0	28.5	--	6.9	89	--
30...	1532	5.00	--	102	6.9	28.0	--	5.0	64	--
30...	1533	10.0	--	100	6.8	27.5	--	4.1	52	--
30...	1534	13.0	--	84			--	--	--	--



MISCELLANEOUS SURFACE-WATER SITES--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAM- PLING DEPTH (FEET)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	OXYGEN, SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
341413088244535 - TTW LOCK "B" POOL NAVIGATION MILE 389.4 (LAT 34 14 13 LONG 088 24 45)										
JUL , 1985										
30...	1610	--	--	--	--	--	33.6	--	--	<5
30...	1611	1.00	--	96	7.3	32.5	--	7.8	108	--
30...	1612	5.00	--	95	7.2	29.0	--	7.7	101	--
30...	1613	10.0	--	95	7.2	28.0	--	7.5	96	--
30...	1614	13.0	--	95	7.2	28.0	--	7.4	95	--
340546088241935 - TTW LOCK "B" POOL BULL MOUNTAIN CREEK INTAKE (LAT 34 05 46 LONG 088 24 19)										
JUL , 1985										
30...	1640	--	--	--	--	--	27.6	--	--	--
30...	1641	--	--	94	7.1	31.5	--	7.9	108	--
02433050 - BULL MOUNTAIN CREEK EXIT CHAN NR SMITHVILLE, MS (LAT 34 05 46 LONG 088 24 19)										
JUL , 1985										
30...	1640	--	56	--	--	--	--	--	--	--
30...	1641	--	--	95	7.2	30.5	--	7.1	95	--
340424088250235 - TTW LOCK "B" POOL SEDIMENTATION RANGE 1AB (LAT 34 04 24 LONG 088 25 02)										
JUL , 1985										
30...	1710	--	--	--	--	--	36.0	--	--	K23
30...	1711	1.00	--	86	7.5	31.0	--	8.6	116	--
30...	1712	5.00	--	51	7.1	28.5	--	8.4	109	--
30...	1713	10.0	--	51	6.5	26.0	--	2.4	30	--
30...	1714	14.0	--	31	6.6	25.0	--	3.7	45	--

MISCELLANEOUS SURFACE-WATER SITES--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAM- PLING DEPTH (FEET)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK IN)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
340428088252900 - TTW LOCK "B" LOCK SPILLWAY EXIT CHANNEL (LAT 34 04 28 LONG 088 25 29)									
JUL , 1985									
30...	1715	--	--	70	6.7	31.5	--	8.0	109
340302088263535 - TTW LOCK "A" POOL NAVIGATION MILE 374.9 (LAT 34 03 02 LONG 088 26 35)									
JUL , 1985									
30...	1745	--	--	--	--	--	27.6	--	<5
30...	1746	1.00	--	78	7.5	31.5	--	9.0	123
30...	1747	5.00	--	75	7.2	30.0	--	8.5	113
30...	1748	10.0	--	74	7.1	28.0	--	6.7	86
30...	1749	13.0	--	74	7.1	28.0	--	6.7	86
340209088274635 - TTW LOCK "A" POOL STANDIFER CREEK INTAKE (LAT 34 02 09 LONG 088 27 46)									
JUL , 1985									
30...	1815	--	--	--	7.6	30.5	--	7.5	100
30...	1816	--	--	78	--	--	--	--	--
02433480 - STANDIFER CREEK EXIT CHANNEL NR AMORY, MS (LAT 34 02 09 LONG 088 27 46)									
JUL , 1985									
30...	1815	--	3.6	--	7.7	31.0	--	7.9	107
30...	1816	--	--	82	--	--	--	--	--
340103088285435 - TTW LOCK "A" POOL SEDIMENTATION RANGE 1AA (LAT 34 01 03 LONG 088 28 54)									
JUL , 1985									
30...	1830	--	--	--	--	--	34.8	--	K52
30...	1831	1.00	--	76	7.2	31.5	--	8.5	116
30...	1832	5.00	--	76	7.0	29.0	--	7.2	94
30...	1833	10.0	--	75	6.4	28.0	--	5.5	71
30...	1834	15.0	--	75	6.4	28.0	--	5.7	73
30...	1835	16.0	--	75	6.4	28.0	--	5.7	73

MISCELLANEOUS SURFACE-WATER SITES--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAM- PLING DEPTH (FEET)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML)
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340043088292435 - TTW LOCK "A" LOCK SPILLWAY EXIT CHANNEL (LAT 34 00 43 LONG 088 29 24)

JUL , 1985									
30...	1845	--	--	87	7.4	29.5	--	7.6	100

335708088314835 - TTW ABERDEEN LAKE SEDIMENTATION RANGE 12A (LAT 33 57 08 LONG 088 31 48)

JUL , 1985									
31...	1120	--	--	--	--	--	28.8	--	<5
31...	1121	1.00	--	79	7.6	29.5	--	9.1	120
31...	1122	5.00	--	79	7.3	29.0	--	8.5	111
31...	1123	10.0	--	79	7.1	28.0	--	7.5	96
31...	1124	15.0	--	102	7.2	27.5	--	5.6	71
31...	1125	20.0	--	118	7.2	27.5	--	5.5	70
31...	1126	25.0	--	126	7.1	27.0	--	4.0	50

335655088315735 - TTW ABERDEEN LAKE ROUNDHOUSE BRANCH BENDWAY (LAT 33 56 55 LONG 088 31 57)

JUL , 1985									
31...	1130	--	--	--	--	--	16.8	--	--
31...	1131	1.00	--	104	7.6	30.5	--	9.3	125
31...	1132	5.00	--	108	7.2	29.0	--	7.7	101
31...	1133	10.0	--	112	7.1	28.0	--	5.3	68
31...	1134	15.0	--	122	7.0	27.5	--	2.8	36
31...	1135	18.0	--	133	7.0	27.0	--	.9	11

335618088320435 - TTW ABERDEEN LAKE BECKER BENDWAY (LAT 33 56 18 LONG 088 32 04)

JUL , 1985									
31...	1150	--	--	--	--	--	15.6	--	--
31...	1151	1.00	--	114	7.8	30.5	--	9.3	125
31...	1152	5.00	--	112	7.4	28.5	--	6.9	89
31...	1153	10.0	--	112	7.2	28.0	--	6.1	78
31...	1154	15.0	--	122	7.1	28.0	--	4.0	51

MISCELLANEOUS SURFACE-WATER SITES--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAM- PLING DEPTH (FEET)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
335606088315035 - TTW ABERDEEN LAKE WEAVER CREEK BENDWAY 11A (LAT 33 56 06 LONG 088 31 50)									
JUL , 1985									
31...	1200	--	--	--	--	--	16.8	--	--
31...	1201	1.00	--	105	7.9	31.0	--	9.3	126
31...	1202	5.00	--	102	7.6	29.0	--	8.4	110
31...	1203	10.0	--	95	7.2	28.5	--	6.5	84
31...	1204	13.0	--	70	7.0	27.5	--	5.8	74
335513088314835 - TTW ABERDEEN LAKE DRUMMOND BRANCH BENDWAY 10A (LAT 33 55 13 LONG 088 31 48)									
JUL , 1985									
31...	1230	--	--	--	--	--	16.8	--	--
31...	1231	1.00	--	102	8.4	31.0	--	9.8	132
31...	1232	5.00	--	102	7.6	29.0	--	7.7	101
31...	1233	10.0	--	106	7.2	28.0	--	5.0	64
31...	1234	15.0	--	113	7.1	27.5	--	3.3	42
31...	1235	17.0	--	113	7.1	27.5	--	3.3	42
335442088322035 - TTW ABERDEEN LAKE ACKER LAKE BENDWAY 8A (LAT 33 54 42 LONG 088 32 20)									
JUL , 1985									
31...	1300	--	--	--	--	--	20.4	--	--
31...	1301	1.00	--	107	8.5	30.0	--	10.4	138
31...	1302	5.00	--	106	7.8	29.0	--	8.2	107
31...	1303	10.0	--	111	7.3	28.0	--	5.8	74
31...	1304	15.0	--	111	7.1	27.5	--	4.7	60
31...	1305	20.0	--	116	7.1	27.0	--	3.6	45

MISCELLANEOUS SURFACE-WATER SITES--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAM- PLING DEPTH (FEET)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
335008088311335 - ITW ABERDEEN LAKE SEDIMENTATION RANGE 1A (LAT 33 50 08 LONG 088 31 13)									
JUL , 1985									
31...	1330	--	--	--	--	--	31.2	--	<5
31...	1331	1.00	--	124	8.7	32.5	--	10.7	148
31...	1332	5.00	--	124	8.3	30.0	--	9.7	129
31...	1333	10.0	--	128	7.2	28.5	--	4.1	53
31...	1334	15.0	--	129	7.0	27.5	--	2.6	33
335018088315835 - ITW ABERDEEN LOCK MINIMUM FLOW EXIT CHANNEL (LAT 33 50 18 LONG 088 31 58)									
JUL , 1985									
31...	1415	--	--	122	8.8	31.5	--	8.8	120
334803088304235 - ITW COLUMBUS LAKE MORGAN LANDING BENDWAY (LAT 33 48 03 LONG 088 30 42)									
AUG , 1985									
01...	1100	--	--	--	--	--	16.2	--	--
01...	1101	1.00	--	133	7.6	29.5	--	11.0	145
01...	1102	5.00	--	135	7.1	29.0	--	9.0	117
01...	1103	8.00	--	136	6.9	29.0	--	8.2	107
334755088290935 - ITW COLUMBUS LAKE JAMES CREEK BENDWAY 74A (LAT 33 47 55 LONG 088 29 09)									
AUG , 1985									
01...	1145	--	--	--	--	--	19.8	--	--
01...	1146	1.00	--	44	8.0	30.0	--	10.2	135
01...	1147	5.00	--	44	6.8	27.0	--	6.0	75
01...	1148	10.0	--	43	6.5	25.0	--	2.0	24

MISCELLANEOUS SURFACE-WATER SITES--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAMPLING DEPTH (FEET)	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	TRANS-PAR-ENCY (SECCHI DISK (IN))	OXYGEN, DIS-SOLVED (PER-CENT SATURATION)	OXYGEN, (MG/L)	COLI-FORM, FECAL, UM-MF (COLS./100 ML)
334732088300235 - TTW COLUMBUS LAKE SEDIMENTATION RANGE 80A (LAT 33 47 32 LONG 088 30 02)										
AUG, 1985	1115	--	--	--	--	--	19.8	--	--	K4
01...	1116	1.00	--	128	8.2	30.5	--	11.8	158	--
01...	1117	5.00	--	128	7.4	29.0	--	9.4	123	--
01...	1118	10.0	--	129	6.7	28.0	--	6.2	79	--
01...	1119	14.0	--	129	6.6	28.0	--	5.9	76	--
334608088293735 - TTW COLUMBUS LAKE DEAD RIVER BENDWAY (LAT 33 46 08 LONG 088 29 37)										
AUG, 1985	1315	--	--	--	--	--	19.2	--	--	--
01...	1316	1.00	--	53	8.4	33.5	--	10.7	151	--
01...	1317	3.00	--	59	7.3	30.0	--	7.4	98	--
33441088292335 - TTW COLUMBUS LAKE LOCKRIDGE CREEK BENDWAY (LAT 33 44 11 LONG 088 29 23)										
AUG, 1985	1400	--	--	--	--	--	21.6	--	--	--
01...	1401	1.00	--	130	8.5	33.5	--	11.4	160	--
01...	1402	5.00	--	130	7.4	30.0	--	8.6	114	--
01...	1403	9.00	--	135	6.9	29.0	--	2.0	26	--
334358088295935 - TTW COLUMBUS LAKE NEW HAMILTON BENDWAY (LAT 33 43 58 LONG 088 29 59)										
AUG, 1985	1415	--	--	--	--	--	12.6	--	--	--
01...	1416	1.00	--	142	8.0	33.5	--	10.6	149	--
01...	1417	3.00	--	138	8.0	32.0	--	10.7	147	--

MISCELLANEOUS SURFACE-WATER SITES--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAM- PLING DEPTH (FEET)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK (IN)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
334325088295135 - TTW COLUMBUS LAKE RICHARDSON LAKE BENDWAY (LAT 33 43 25 LONG 088 29 51)										
AUG , 1985										
01...	1430	--	--	--	--	--	>14.4	--	--	--
01...	1431	1.00	--	130	8.5	34.0	--	11.6	165	--
334219088281935 - TTW COLUMBUS LAKE MCKINLEY CREEK BENDWAY 50A (LAT 33 42 19 LONG 088 28 19)										
AUG , 1985										
01...	1500	--	--	--	--	--	46.2	--	--	--
01...	1501	1.00	--	683	8.3	34.5	--	9.3	133	--
01...	1502	5.00	--	690	8.3	32.0	--	9.8	135	--
01...	1503	10.0	--	1080	7.2	30.0	--	5.7	76	--
01...	1504	15.0	--	1000	6.7	28.5	--	.7	9	--
334143088290335 - TTW COLUMBUS LAKE CANE CREEK BENDWAY 44A (LAT 33 41 43 LONG 088 29 03)										
AUG , 1985										
01...	1515	--	--	--	--	--	43.2	--	--	--
01...	1516	1.00	--	152	9.0	34.5	--	11.7	167	--
01...	1517	5.00	--	151	9.0	31.5	--	12.6	171	--
01...	1518	10.0	--	170	7.3	29.0	--	4.5	59	--
01...	1519	12.0	--	174	7.1	28.5	--	3.4	44	--
334118088300335 - TTW COLUMBUS LAKE DENNON CREEK BENDWAY 40A (LAT 33 41 18 LONG 088 30 03)										
AUG , 1985										
01...	1540	--	--	--	--	--	46.2	--	--	--
01...	1541	1.00	--	137	9.0	33.5	--	12.0	169	--
01...	1542	5.00	--	136	9.0	31.0	--	11.9	161	--
01...	1543	10.0	--	142	7.5	29.0	--	4.5	59	--
01...	1544	15.0	--	144	7.1	28.5	--	2.8	36	--
01...	1545	19.0	--	147	6.9	28.0	--	1.5	19	--

MISCELLANEOUS SURFACE-WATER SITES--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAM- PLING DEPTH (FEET)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML)
334025088292835 - TTW COLUMBUS LAKE VINTON CREEK BENDWAY 35A (LAT 33 40 25 LONG 088 29 28)										
AUG , 1985										
01...	1555	--	--	--	--	--	31.2	--	--	--
01...	1556	1.00	--	149	8.9	34.5	--	12.0	172	--
01...	1557	5.00	--	151	8.9	31.0	--	11.3	153	--
01...	1558	10.0	--	165	7.3	29.0	--	4.1	53	--
01...	1559	15.0	--	170	7.0	28.5	--	2.5	32	--

333927088304935 - TTW COLUMBUS LAKE BUTTAHATCHEE R BENDWAY 26A (LAT 33 39 27 LONG 088 30 49)

DATE	TIME	SAM- PLING DEPTH (FEET)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML)
AUG , 1985										
02...	1045	--	--	--	--	--	21.6	--	--	--
02...	1046	1.00	--	180	7.4	28.5	--	7.5	97	--
02...	1047	5.00	--	178	7.3	28.5	--	6.9	89	--
02...	1048	10.0	--	172	7.2	28.0	--	6.2	79	--
02...	1049	15.0	--	165	7.1	28.0	--	5.6	72	--
02...	1050	17.0	--	165	7.1	28.0	--	5.0	64	--

333808088300635 - TTW COLUMBUS LAKE BARTON FERRY BENDWAY (LAT 33 38 08 LONG 088 30 06)

DATE	TIME	SAM- PLING DEPTH (FEET)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML)
AUG , 1985										
02...	1115	--	--	--	--	--	18.0	--	--	--
02...	1116	1.00	--	127	7.3	28.0	--	7.5	96	--
02...	1117	5.00	--	126	7.2	28.0	--	6.9	88	--
02...	1118	10.0	--	125	7.1	28.0	--	6.6	85	--
02...	1119	15.0	--	126	7.1	28.0	--	6.6	85	--
02...	1120	20.0	--	122	7.1	28.0	--	6.5	83	--
02...	1121	24.0	--	71	6.9	27.5	--	5.5	70	--



MISCELLANEOUS SURFACE-WATER SITES--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAM- PLING DEPTH (FEET)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK IN)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
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333721088301235 - TTW COLUMBUS LAKE TOWN CREEK BENDWAY 16A (LAT 33 37 21 LONG 088 30 12)

AUG , 1985									
02...	1130	--	--	--	--	--	19.2	--	--
02...	1131	1.00	--	122	7.3	28.5	--	7.8	101
02...	1132	5.00	--	122	7.3	28.5	--	7.4	96
02...	1133	10.0	--	116	7.2	28.5	--	7.0	90
02...	1134	15.0	--	96	7.1	28.0	--	6.8	87
02...	1135	20.0	--	86	7.0	27.5	--	6.0	76
02...	1136	22.0	--	129	6.9	27.0	--	3.8	48

333625088284435 - TTW COLUMBUS LAKE STINSON CREEK BENDWAY 10A (LAT 33 36 25 LONG 088 28 44)

AUG , 1985									
02...	1145	--	--	--	--	--	20.4	--	--
02...	1146	1.00	--	83	7.3	28.0	--	9.1	117
02...	1147	5.00	--	81	7.3	28.0	--	7.9	101
02...	1148	10.0	--	75	7.1	28.0	--	7.5	96
02...	1149	15.0	--	70	7.0	27.5	--	6.8	86
02...	1150	18.0	--	67	6.9	27.5	--	6.3	80

333445088294135 - TTW COLUMBUS LAKE WAVERLY MANSION BENDWAY 7A (LAT 33 34 45 LONG 088 29 41)

AUG , 1985									
02...	1205	--	--	--	--	--	20.4	--	--
02...	1206	1.00	--	108	7.5	29.0	--	9.2	120
02...	1207	5.00	--	96	7.4	29.0	--	8.0	104
02...	1208	10.0	--	80	7.2	28.0	--	6.9	88
02...	1209	15.0	--	79	7.1	28.0	--	6.6	85
02...	1210	20.0	--	77	7.0	28.0	--	6.6	85
02...	1211	25.0	--	76	7.0	28.0	--	6.5	83
02...	1212	29.0	--	76	6.9	28.0	--	6.2	79

MISCELLANEOUS SURFACE-WATER SITES--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAM- PLING DEPTH (FEET)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK (IN)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
333358088291235 - TTW COLUMBUS LAKE WAVERLY BENDWAY 6A (LAT 33 33 58 LONG 088 29 12)										
AUG, 1985							19.2			
02...	1310	--	--	--	--	--	--	--	--	--
02...	1311	1.00	--	90	7.5	29.0	--	8.9	116	--
02...	1312	5.00	--	89	7.3	29.5	--	8.0	105	--
02...	1313	10.0	--	90	7.2	28.5	--	7.3	94	--
02...	1314	15.0	--	87	7.1	28.5	--	7.1	92	--
02...	1315	20.0	--	84	7.0	28.0	--	6.7	86	--
02...	1316	25.0	--	84	7.0	28.0	--	6.2	79	--
02...	1317	28.0	--	84	6.8	28.0	--	5.4	69	--

333338088295035 - TTW COLUMBUS LAKE WAVERLY FERRY BENDWAY 5A (LAT 33 33 38 LONG 088 29 50)

DATE	TIME	SAM- PLING DEPTH (FEET)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK (IN)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
333338088295035 - TTW COLUMBUS LAKE WAVERLY FERRY BENDWAY 5A (LAT 33 33 38 LONG 088 29 50)										
AUG, 1985							19.2			
02...	1320	--	--	--	--	--	--	--	--	--
02...	1321	1.00	--	87	7.5	29.0	--	9.1	119	--
02...	1322	5.00	--	89	7.2	28.5	--	7.5	97	--
02...	1323	10.0	--	87	7.1	28.5	--	7.0	90	--
02...	1324	15.0	--	87	7.0	28.5	--	6.7	87	--
02...	1325	20.0	--	86	7.0	28.5	--	6.6	85	--
02...	1326	25.0	--	86	7.0	28.5	--	6.5	84	--
02...	1327	29.0	--	86	6.9	28.5	--	6.2	80	--

MISCELLANEOUS SURFACE-WATER SITES--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAM- PLING DEPTH (FEET)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCI DISK) (IN)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
333119088291435 - TTW COLUMBUS LAKE SEDIMENTATION RANGE 1A (LAT 33 31 19 LONG 088 29 14)										
AUG , 1985							20.4			K10
02...	1345	--	--	--	--	--	--	--	--	--
02...	1346	1.00	--	127	7.6	29.0	--	8.3	108	--
02...	1347	5.00	--	128	7.5	29.5	--	7.7	101	--
02...	1348	10.0	--	124	7.4	29.5	--	7.2	95	--
02...	1349	15.0	--	119	7.3	29.0	--	6.9	90	--
02...	1350	20.0	--	109	7.1	29.0	--	6.3	82	--
02...	1351	25.0	--	113	7.0	28.5	--	5.1	66	--
02....	1352	27.0	--	123	6.8	28.0	--	3.0	38	--

333114088295935 - TTW COLUMBUS LOCK MINIMUM FLOW EXIT CHANNEL (LAT 33 31 14 LONG 088 29 59)

AUG , 1985										
02....	1520	--	--	163	8.3	30.5	--	8.7	116	--

MISCELLANEOUS SURFACE-WATER SITES--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK (IN)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
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332636088281600 - TTW ALICEVILLE LAKE SEDIMENTATION RANGE 24A (LAT 33 26 36 LONG 088 28 16)

AUG , 1985		K120						
01...	1030	--	--	--	--	26.4	--	--
01...	1031	1.00	133	7.1	29.5	--	8.2	--
01...	1032	5.00	133	7.2	28.5	--	7.4	--
01...	1033	10.0	134	7.1	28.5	--	7.2	--
01...	1034	14.0	134	7.0	28.5	--	7.1	--

02441498 - TOMBIGBEE R COLUMBUS BEND SR 11B AT COLUMBUS, MS (LAT 33 26 06 LONG 088 29 38)

AUG , 1985		52						
01...	1105	--	--	--	--	23.7	--	--
01...	1106	1.00	133	7.7	30.0	--	9.4	--
01...	1107	5.00	134	7.6	28.5	--	9.0	--
01...	1108	8.00	139	7.6	28.5	--	8.0	--

02443610 - TOMBIGBEE R AT PRATT CAMP SR 5HB BL COLUMBUS, MS (LAT 33 20 30 LONG 088 23 40)

AUG , 1985		K180						
01...	1440	--	--	--	--	37.8	--	--
01...	1441	1.00	117	8.5	32.5	--	10.4	--
01...	1442	5.00	119	8.8	30.0	--	12.8	--
01...	1446	10.0	118	8.4	28.0	--	7.2	--
01...	1451	15.0	126	7.8	27.5	--	1.3	--

MISCELLANEOUS SURFACE-WATER SITES--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
331518088173900 - TTW ALICEVILLE LAKE COAL FIRE CREEK BENDWAY (LAT 33 15 18 LONG 088 17 39)								
AUG , 1985								
02....	0915	--	--	--	--	30.9	--	K4
02....	0916	1.00	122	6.6	29.5	--	7.5	--
02....	0917	5.00	124	6.8	29.5	--	7.6	--
02....	0920	10.0	122	6.6	28.5	--	6.8	--
02....	0922	15.0	127	6.5	28.5	--	4.8	--
02....	0923	16.0	118	6.6	28.0	--	4.6	--
331353088162700 - TTW ALICEVILLE LAKE PICKENSVILLE BENDWAY (LAT 33 13 53 LONG 088 16 27)								
AUG , 1985								
02....	1030	--	--	--	--	28.8	--	K6
02....	1031	1.00	135	6.7	29.5	--	7.2	--
02....	1032	5.00	134	6.9	29.5	--	6.7	--
02....	1033	10.0	137	6.9	29.5	--	6.5	--
02....	1034	15.0	138	6.8	29.0	--	5.6	--
02....	1036	20.0	138	6.7	28.5	--	4.4	--
02....	1037	25.0	139	6.7	28.5	--	4.2	--
02....	1038	30.0	138	6.6	28.5	--	3.9	--
02....	1039	35.0	138	6.6	28.5	--	3.9	--
02....	1040	39.0	139	6.6	28.5	--	3.4	--

MISCELLANEOUS SURFACE-WATER SITES--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK IN)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
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02444158 - TOMBIGBEE RIVER AB ALICEVILLE LOCK AND DAM, AL (LAT 33 13 08 LONG 088 17 10)

AUG , 1985						28.2		K36
02...	1100	---	---	---	---	---	---	---
02...	1101	1.00	134	7.4	30.0	---	8.5	---
02...	1102	5.00	138	7.4	29.5	---	7.5	---
02...	1103	10.0	138	7.4	29.5	---	6.6	---
02...	1104	15.0	136	7.0	29.5	---	6.3	---
02...	1105	20.0	140	7.0	29.0	---	5.8	---
02...	1106	25.0	139	6.8	29.0	---	5.4	---
02...	1107	30.0	140	6.8	29.0	---	5.5	---

02444210 - TOMBIGBEE R BIG CREEK BEND NR PICKENSVILLE, AL (LAT 33 11 11 LONG 088 16 03)

AUG , 1985						15.0		100
02...	1430	---	---	---	---	---	---	---
02...	1431	1.00	86	6.6	32.0	---	7.9	---
02...	1432	2.00	88	6.8	32.0	---	7.8	---

330925088164900 - TTW GAINESVILLE LAKE OML CREEK BENDWAY (LAT 33 09 25 LONG 088 16 49)

AUG , 1985						21.3		K24
05...	1150	---	---	---	---	---	---	---
05...	1151	1.00	148	6.8	29.0	---	9.2	---
05...	1152	5.00	149	7.2	29.0	---	9.0	---
05...	1154	10.0	149	7.0	28.5	---	7.3	---
05...	1155	15.0	151	7.0	28.5	---	6.4	---
05...	1157	20.0	160	6.9	28.0	---	3.1	---

MISCELLANEOUS SURFACE-WATER SITES--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	OXYGEN, DTS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
330818088171600 - ITW GAINESVILLE LAKE SEDIMENTATION RANGE 13A (LAT 33 08 18 LONG 088 17 16)								
AUG , 1985								
05...	1240	--	--	--	--	27.0	--	K18
05...	1241	1.00	149	7.4	29.5	--	8.8	--
05...	1242	5.00	149	7.5	29.0	--	8.2	--
05...	1243	10.0	149	7.4	28.5	--	7.6	--
05...	1244	15.0	150	7.2	28.5	--	7.6	--
05...	1245	18.0	150	7.1	28.5	--	7.6	--
330417088114100 - ITW GAINESVILLE LAKE LUBBUB CREEK BENDWAY (LAT 33 04 17 LONG 088 11 41)								
AUG , 1985								
06...	0915	--	--	--	--	21.6	--	32
06...	0916	1.00	131	7.4	29.5	--	7.6	--
06...	0917	5.00	130	7.2	29.5	--	7.7	--
06...	0919	10.0	108	7.2	28.5	--	5.4	--
330302088131200 - ITW GAINESVILLE LAKE COCHRANE BENDWAY (LAT 33 03 02 LONG 088 13 12)								
AUG , 1985								
06...	1025	--	--	--	--	20.1	--	K7
06...	1026	1.00	128	7.0	29.0	--	8.1	--
06...	1027	5.00	128	7.2	29.5	--	7.9	--
06...	1028	10.0	127	7.3	29.5	--	7.7	--
06...	1029	15.0	128	7.6	29.5	--	7.4	--
06...	1030	20.0	130	7.6	29.5	--	7.3	--
06...	1031	25.0	135	7.7	29.5	--	6.8	--

MISCELLANEOUS SURFACE-WATER SITES--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD)	TEMPERATURE (DEG C)	TRANSPARANCY (SECCHI DISK (IN))	OXYGEN, DIS-SOLVED (MG/L)	UM-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
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330144088135900 - TTN GAINESVILLE LAKE WINDHAM LANDING BENDWAY (LAT 33 01 44 LONG 088 13 59)

AUG, 1985								
06...	1315	--	--	--	--	22.2	--	K7
06...	1316	1.00	140	7.7	29.0	--	8.1	--
06...	1317	5.00	140	7.6	29.0	--	7.5	--
06...	1318	10.0	140	7.6	29.0	--	7.0	--
06...	1319	15.0	139	7.5	28.5	--	6.4	--
06...	1320	20.0	140	7.4	28.5	--	6.2	--
06...	1321	25.0	139	7.4	28.5	--	6.2	--
06...	1322	30.0	139	7.4	28.5	--	6.0	--
06...	1323	35.0	140	7.4	28.5	--	6.0	--
06...	1324	40.0	141	7.3	28.5	--	5.7	--
06...	1325	45.0	141	7.3	28.5	--	5.7	--

02447010 - TOMBIGBEE RIVER AT COOKS BENDWAY NR WARSAW, AL (LAT 32 57 38 LONG 088 11 14)

AUG, 1985								
06...	1625	--	--	--	--	25.8	--	K4
06...	1626	1.00	123	7.8	29.0	--	9.4	--
06...	1627	5.00	120	7.4	29.0	--	8.1	--
06...	1628	10.0	120	7.2	28.5	--	7.5	--
06...	1629	15.0	118	7.0	28.0	--	6.4	--



MISCELLANEOUS SURFACE-WATER SITES--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
325609088114900 - TTW GAINESVILLE LAKE WARSAM BENDWAY (LAT 32 56 09 LONG 088 11 49)								
AUG , 1985								
07...	0945	--	--	--	--	26.4	--	52
07...	0946	1.00	120	7.0	28.5	--	6.6	--
07...	0947	5.00	119	7.0	28.5	--	6.5	--
07...	0948	10.0	119	7.1	28.5	--	6.5	--
07...	0949	15.0	118	7.1	28.0	--	6.5	--
07...	0950	20.0	118	7.2	28.0	--	6.5	--
07...	0951	25.0	118	7.2	28.0	--	6.4	--
07...	0952	30.0	118	7.2	28.0	--	6.4	--
07...	0953	35.0	118	7.2	28.0	--	6.4	--
07...	0954	40.0	118	7.2	28.0	--	6.4	--
07...	0955	45.0	118	7.2	28.0	--	6.4	--
07...	0956	47.0	116	7.1	28.0	--	6.4	--

02447020 - TOMBIGBEE RIVER AB GAINESVILLE LOCK AND DAM, AL (LAT 32 51 38 LONG 088 09 25)

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
AUG , 1985								
07...	1130	--	--	--	--	33.6	--	K7
07...	1131	1.00	130	7.0	29.0	--	6.6	--
07...	1132	5.00	130	7.0	28.5	--	6.2	--
07...	1133	10.0	128	7.1	28.5	--	6.0	--
07...	1134	15.0	128	7.1	28.5	--	6.0	--
07...	1135	20.0	129	7.1	28.5	--	6.0	--
07...	1136	25.0	128	7.2	28.5	--	6.0	--
07...	1137	30.0	127	7.2	28.5	--	6.0	--
07...	1138	35.0	127	7.2	28.5	--	6.0	--
07...	1139	40.0	126	7.2	28.5	--	6.0	--
07...	1140	45.0	127	7.2	28.5	--	5.9	--

MISCELLANEOUS SURFACE-WATER SITES--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
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324509088062500 - ITW DEMOPOLIS LAKE SEDIMENTATION RANGE 5C (LAT 32 45 09 LONG 088 06 25)

AUG , 1985								
09...	1400	--	--	--	--	26.4	--	K1
09...	1401	1.00	148	8.3	31.5	--	9.5	--
09...	1402	5.00	136	8.4	29.0	--	9.5	--
09...	1403	10.0	136	7.8	29.0	--	8.2	--
09...	1404	15.0	134	7.7	29.0	--	8.0	--
09...	1405	20.0	134	7.7	29.0	--	7.8	--
09...	1406	24.0	136	7.6	29.0	--	7.6	--

323718087524600 - ITW DEMOPOLIS LAKE RATTLESNAKE BEND BENDWAY (LAT 32 37 18 LONG 087 52 46)

AUG , 1985								
08...	1400	--	--	--	--	25.8	--	K9
08...	1401	1.00	167	8.2	30.0	--	8.5	--
08...	1402	5.00	163	8.1	29.0	--	7.8	--
08...	1403	10.0	160	7.8	28.5	--	6.2	--
08...	1404	15.0	160	7.8	28.5	--	6.0	--
08...	1405	20.0	158	7.8	28.5	--	5.8	--
08...	1406	25.0	158	7.8	28.5	--	5.7	--
08...	1407	28.0	157	7.8	28.5	--	5.2	--

MISCELLANEOUS SURFACE-WATER SITES--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUC- TANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK (IN)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
02466998 - TOMBIGBEE RIVER AB DEMOPOLIS LOCK AND DAM, AL (LAT 32 30 55 LONG 087 51 27)								
AUG , 1985								
08...	1500	--	--	--	--	28.2	--	25
08...	1501	1.00	235	7.2	30.0	--	8.8	--
08...	1502	5.00	232	7.2	29.0	--	8.2	--
08...	1503	10.0	215	7.2	29.0	--	8.0	--
08...	1504	15.0	205	7.2	29.0	--	7.9	--
08...	1505	20.0	205	7.3	29.0	--	7.8	--
08...	1506	25.0	210	7.3	29.0	--	7.8	--
08...	1507	30.0	200	7.4	29.0	--	7.7	--
08...	1508	35.0	195	7.3	29.0	--	7.6	--
08...	1509	40.0	190	7.3	28.5	--	7.4	--
08...	1510	45.0	195	7.3	28.5	--	7.3	--
08...	1511	50.0	185	7.3	28.5	--	7.3	--
08...	1512	55.0	180	7.3	28.5	--	7.3	--
08...	1513	58.0	180	7.3	28.5	--	7.3	--

APPENDIX C  
DISPOSAL AREA DATA

APPENDIX C  
DISPOSAL AREA DATA

DESCRIPTIONS OF WELLS AND RAIN-GAGE SITES

DESCRIPTIONS OF WELLS

USGS LOCAL WELL NO.	USCE WELL NO.	OWNER	1985 ANAL- YSIS	LOCATION		YEAR DRIL- LED	ALTI- TUDE ABOVE NGVD (FT)	WELL DEPTH (FT)	CAS- ING DIAM. (IN)	PRIOR ANAL- YSIS
				SECTION	TOWNSHIP RANGE					
<u>TISHOMINGO COUNTY, MS</u>										
B032	602A-A	USCE	yes	17 02S	10E	1980	446	34	4	yes
B033	602A-B	USCE	no	17 02S	10E	1980	446	22	4	no
J069	1507-A	USCE	no	06 05S	10E	1980	488	22	4	no
J070	1507-B	USCE	yes	06 05S	10E	1980	488	35	4	yes
J071	1704-A	USCE	yes	17 05S	10E	1980	440	35	4	yes
J072	1704-B	USCE	yes	17 05S	10E	1980	440	23	4	yes

DESCRIPTIONS OF RAIN-GAGE SITES

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

APPENDIX C  
DISPOSAL AREA DATA  
WATER-QUALITY ANALYSES

DISPOSAL AREA WELLS

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

LOCAL IDENTIFIER	STATION NUMBER	DATE OF SAMPLE	TIME	SAMPLE SOURCE	SAMPLING CONDITION	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPECIFIC CONDUCTANCE (US/CM)
8032 USCE 602A-A	345428088161980	12-05-84	1145	1004	.11	25.91	34.30	446.00	607
		02-14-85	1215	1004	.11	24.87	34.30	446.00	568
		05-07-85	1135	1004	.11	24.92	34.30	446.00	524
		09-04-85	1115	1004	.11	27.09	34.30	446.00	100
J070 USCE 1507-B	344047088171981	12-05-84	1025	1004	.11	11.40	19.00	488.00	827
		02-14-85	1015	1004	.11	11.96	19.00	488.00	771
		05-07-85	1020	1004	.11	9.48	19.00	488.00	692
		09-04-85	0930	1004	.11	8.39	19.00	488.00	607
J071 USCE 1704-A	343855088155380	12-05-84	0920	1004	.11	21.44	32.00	430.00	612
		02-14-85	0900	1004	.11	21.39	32.00	430.00	588
		05-07-85	0910	1004	.11	20.55	32.00	430.00	539
		09-04-85	0815	1004	.11	21.06	32.00	430.00	450
J072 USCE 1704-B	343855088155381	12-05-84	0925	1004	.11	11.00	21.00	440.00	934
		02-14-85	0905	1004	.11	8.75	21.00	440.00	857
		05-07-85	0915	1004	.11	8.03	21.00	440.00	829
		09-04-85	0820	1004	.11	9.60	21.00	440.00	930

TISHOMINGO



DISPOSAL AREA WELLS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

LOCAL IDENTIFIER	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	ACIDITY (MG/L AS H)	ACIDITY (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)
B032 USCE 602A-A	5.3	16.0	40	49	0	1.7	84	9.9	5.9	3.2
	5.4	17.0	40	46	0	.4	20	9.7	5.4	3.5
	6.0	17.5	15	40	0	.4	20	8.5	4.5	4.9
	5.8	18.5	5	26	0	.7	35	4.6	3.5	3.0
J070 USCE 1507-B	4.7	17.5	<1	290	260	2.7	134	67	31	9.7
	4.3	15.0	<1	310	300	.1	5.0	69	34	11
	5.3	15.5	5	290	240	.7	35	67	30	12
	5.6	22.0	10	240	190	.6	30	55	26	8.9
	4.2	17.0	<1	210	200	2.5	124	49	22	15
J071 USCE 1704-A	4.1	16.5	<1	200	--	1.3	65	44	21	12
	4.8	17.5	5	180	170	1.1	55	41	18	9.0
	4.7	17.0	10	150	150	.9	45	34	16	9.7
J072 USCE 1704-B	5.0	16.0	<1	400	380	1.5	74	110	30	7.3
	4.8	17.5	5	340	320	.9	45	95	26	8.5
	5.5	15.5	15	340	310	.7	35	98	24	8.6
	5.7	20.0	5	360	350	.5	25	99	27	7.2

DISPOSAL AREA WELLS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

LOCAL IDENTIFIER	PERCENT SODIUM	SODIUM AD-SORPTION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
B032 USCE 602A-A	12	.2	1.5	74	2.8	4.5	<.10	7.0	302	210
	13	.2	2.8	75	39	12	<.10	7.8	--	280
	20	.3	2.2	83	89	14	<.10	8.1	291	310
	19	.3	1.1	44	38	6.2	<.10	7.3	59	200
J070 USCE 1507-B	6	.3	7.4	31	290	4.4	<.10	14	517	500
	7	.3	8.2	17	370	5.5	<.10	14	536	550
	8	.3	7.5	49	260	7.1	<.10	13	525	440
	7	.3	7.5	52	220	4.9	<.10	13	424	390
	13	.5	3.4	12	260	5.7	.10	14	429	400
J071 USCE 1704-A	12	.4	3.4	<1.0	280	6.4	<.10	14	418	--
	10	.3	2.5	11	220	9.6	<.10	12	373	360
	12	.4	2.2	4.0	190	7.2	<.10	13	341	300
	4	.2	7.6	15	440	2.4	<.10	19	729	700
J072 USCE 1704-B	5	.2	6.7	22	430	2.6	<.10	14	627	640
	5	.2	7.3	38	310	3.1	<.10	14	618	530
	4	.2	7.7	5.0	370	3.1	<.10	18	623	590

DISPOSAL AREA WELLS--Continued  
 WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

LOCAL IDENTIFIER	NITROGEN, NO <sub>2</sub> +NO <sub>3</sub> DIS-SOLVED (MG/L AS N)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGANESE, DIS-SOLVED (UG/L AS MN)
8032 USCE 602A-A	<.10	160000	120000	12000	12000
	<.10	150000	140000	11000	10000
	<.10	130000	120000	89000	8200
	<.10	120000	110000	4800	4600
J070 USCE 1507-B	<.10	71000	53000	4200	3900
	<.10	28000	25000	3800	3600
	.11	23000	15000	3600	3400
	<.10	18000	16000	2800	2700
J071 USCE 1704-A	<.10	28000	22000	5500	5200
	<.10	29000	29000	4900	4900
	<.10	35000	35000	4200	4200
	<.10	26000	26000	3800	3500
J072 USCE 1704-B	<.10	70000	69000	5200	4900
	<.10	36000	36000	4200	4000
	<.10	40000	40000	3800	3800
	<.10	64000	54000	5300	4800

APPENDIX C  
DISPOSAL AREA DATA

RAINFALL

344047088171950 RAIN GAGE AT USCE DISPOSAL AREA 1507  
 RAINFALL, ACCUMULATED (INCHES), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
 SUMMATION VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.78	.00	.00	.00	.00	.00	1.61	.00	.23		---
2	.00	.02	.27	.00	.00	.00	.00	.01	.00	.00		---
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.29
4	.00	.01	.00	.00	.24	.00	.00	.00	.00	1.12		.23
5	.00	.00	.32	.00	.00	.00	.86	.00	.00	.00		.00
6	.24	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00
7	1.32	.00	.00	.00	.00	.00	.00	.71	.05	.00		.00
8	1.52	.00	.00	.00	.00	.00	.00	.45	.00	.00		.00
9	.00	.00	.00	.00	.00	.01	.00	.02	.00	.00		.00
10	.12	1.33	.00	.00	.00	.00	.00	.06	.18	.00		.00
11	.00	.00	.00	.00	.00	.00	.00	.00	1.11	.00		.00
12	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00		.00
13	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00		.00
14	.00	.00	.00	.00	.00	.02	.58	.00	.00	.01		.00
15	.01	.72	.00	.00	.00	.00	.17	.00	.05	.90		.00
16	.57	.00	.00	.00	.00	.00	.00	.00	.01	.13		.00
17	.10	.00	.17	.00	.00	.00	.00	.00	1.17	.00		.00
18	.00	1.78	.00	.00	.23	.00	.00	.00	.14	.00		.00
19	.21	.01	.30	.00	.11	.00	.00	.00	.00	.00		.00
20	.77	.00	.15	.00	.00	.00	.00	.00	.00	.00		.00
21	.53	.00	.32	.00	.00	1.94	.00	.28	.00	.00		.00
22	1.40	.00	.01	.00	.00	.16	.00	.16	.09	---		.00
23	1.52	.00	.00	.60	.60	.04	1.96	.00	.02	---		.72
24	.00	.00	.26	.00	.21	.00	.36	.00	.00	---		.00
25	.00	.00	.00	.00	.09	.00	.00	.00	.00	---		.18
26	.00	.00	.00	.00	.00	.00	.21	.00	.02	---		.00
27	.01	2.10	.00	.00	.00	.27	.12	.00	.50	---		.00
28	.17	.00	.00	.00	.00	.00	.01	.08	.00	---		.00
29	.00	.00	.00	.00	.00	.00	.00	.00	.00	---		.00
30	.00	.22	.00	.00	.00	.05	.11	.00	.00	---		.93
31	.00	.00	.00	.00	.00	.65	.00	.00	.00	---		---
TOTAL	8.49	6.97	1.86	1.24	3.40	4.38	3.38	3.34	2.39	2.35		2.35

344507088183750 RAIN GAGE AT USCE DISPOSAL AREA 1201

RAINFALL, ACCUMULATED (INCHES), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
SUMMATION VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.85	.00	.10	.00	.00	.00	1.09	.01	.00	.04	.00
2	.00	.01	.26	.00	.00	.00	.00	.00	.00	.00	.00	.12
3	.00	.00	.00	.20	.00	.00	.00	.00	.00	.00	.00	.34
4	.00	.00	.00	.00	.26	.00	.00	.00	.00	.46	.00	.09
5	.00	.00	.29	.00	.00	.00	.60	.00	.00	.00	.04	.00
6	.31	.00	.00	.00	.00	.00	.00	.08	.00	.00	.00	.00
7	1.50	.00	.00	.41	.00	.00	.00	.65	.06	.00	.00	.00
8	1.36	.00	.00	.00	.00	.00	.00	.29	.00	.00	.00	.05
9	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00
10	.04	.75	.00	.30	.00	.00	.00	.05	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	1.10	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	.05	.51	.00	.00	.00	.00	.00
15	.00	.47	.00	.00	.00	.00	.20	.00	.03	.96	.92	.00
16	.81	.00	.00	.68	.00	.00	.00	.00	.00	.06	2.29	.00
17	.08	.00	.06	.04	.00	.00	.00	.00	1.04	.00	.00	.00
18	.00	1.92	.01	.00	.14	.00	.00	.00	.06	.00	.00	.00
19	.14	.01	.30	.00	.06	.00	.00	.00	.00	.00	.00	.00
20	.57	.00	.27	.00	.00	.00	.00	.00	.00	.00	.43	.00
21	.31	.00	.35	.00	.00	1.83	.00	.19	.00	.00	.00	.00
22	1.52	.00	.00	.00	.00	.05	.00	.05	.05	.15	.00	.00
23	.93	.00	.00	.00	.65	.00	2.91	.00	.00	.00	.00	.46
24	.01	.00	.16	.00	.23	.00	.24	.00	.11	.11	.41	.00
25	.00	.00	.00	.00	.06	.00	.00	.00	.00	.05	.19	.27
26	.00	.00	.00	.00	.00	.00	.26	.00	.00	.88	.00	.00
27	.00	2.06	.00	.00	.00	.24	.09	.00	.10	.12	.00	.00
28	.10	.01	.00	.00	.00	.00	.01	.03	.00	.16	.00	.00
29	.00	.00	.00	.02	.00	.00	.00	.01	.00	.00	.00	.00
30	.00	.17	.00	.01	.00	.14	.30	.00	.00	.61	.00	1.13
31	.00	.00	.11	.52	.00	.69	.00	.00	.00	.01	.00	.00
TOTAL	7.68	6.25	1.86	2.28	1.14	3.31	5.12	2.44	2.56	3.57	4.32	2.46

345428088161950 RAIN GAGE AT USCE DISPOSAL AREA 602A

RAINFALL, ACCUMULATED (INCHES), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985  
SUMMATION VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.49	.00	.09	.00	.00	.00	.69	.00	.08	.00	.00
2	.00	.00	.26	.00	.00	.00	.00	.00	.00	.01	.00	.02
3	.00	.00	.00	.30	.00	.00	.00	.00	.00	.23	.00	.19
4	.00	.00	.00	.00	.01	.26	.00	.00	.00	.33	.00	.22
5	.00	.00	.35	.01	1.36	.00	.27	.00	.00	.00	.09	.01
6	.26	.00	.00	.00	.00	.00	.00	.11	.00	.06	.00	.00
7	2.72	.00	.00	.56	.00	.00	.00	1.00	.10	.00	.03	.00
8	1.23	.00	.00	.00	.00	.00	.00	.21	.01	.00	.00	.00
9	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00
10	.01	.87	.00	.44	.01	.00	.00	.04	.00	.00	.00	.00
11	.01	.00	.00	.00	.84	.01	.02	.00	.58	.00	.00	.00
12	.07	.00	.00	.00	.00	.00	.03	.00	.00	.00	.05	.00
13	.03	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	.02	.50	.00	.00	.00	.22	.00
15	.03	.45	.00	.00	.00	.00	.11	.00	.00	.48	.61	.00
16	.58	.00	.00	.59	.00	.00	.00	.00	.00	.05	2.15	.00
17	.07	.00	.02	.06	.00	.00	.00	.00	1.27	.00	.06	.00
18	.00	2.12	.00	.00	.06	.00	.00	.00	.02	.00	.00	.00
19	.07	.00	.41	.00	.14	.00	.00	.00	.00	.00	.00	.00
20	.35	.00	.86	.00	.00	.00	.00	.00	.00	.00	.85	.00
21	.37	.00	.44	.00	.00	1.92	.00	.32	.00	.00	.00	.00
22	1.30	.00	.00	.02	.00	.16	.00	.04	.20	.26	.00	.00
23	1.67	.00	.00	.00	.76	.00	2.24	.00	.01	.00	.00	.62
24	.00	.00	.54	.00	.17	.00	.20	.00	.00	.00	.62	.00
25	.00	.00	.00	.00	.03	.00	.00	.00	.00	.10	.04	.71
26	.00	.00	.00	.00	.00	.00	.06	.00	.00	.76	.00	.00
27	.00	1.79	.00	.13	.00	.30	.15	.00	.02	.32	.37	.00
28	.01	.00	.00	.00	.00	.00	.00	1.23	.01	.34	.00	.00
29	.00	.00	.00	.00	---	.00	.00	.02	.00	.08	.00	.00
30	.01	.19	.09	.05	---	.12	.27	.00	.00	.00	.00	1.50
31	.00	---	.12	.50	---	.63	---	.00	---	.00	.00	---
TOTAL	8.79	5.91	3.12	2.75	3.38	3.43	3.85	3.66	2.22	3.10	5.09	3.27