FLOODS OF APRIL 1979, MISSISSIPPI, ALABAMA, AND GEORGIA

Report prepared jointly by the U.S. Geological Survey
and the National Oceanic and Atmospheric Administration

U.S. DEPARTMENT OF THE INTERIOR

U.S. DEPARTMENT OF COMMERCE

U.S. GEOLOGICAL SURVEY PROFESSIONAL PAPER 1319

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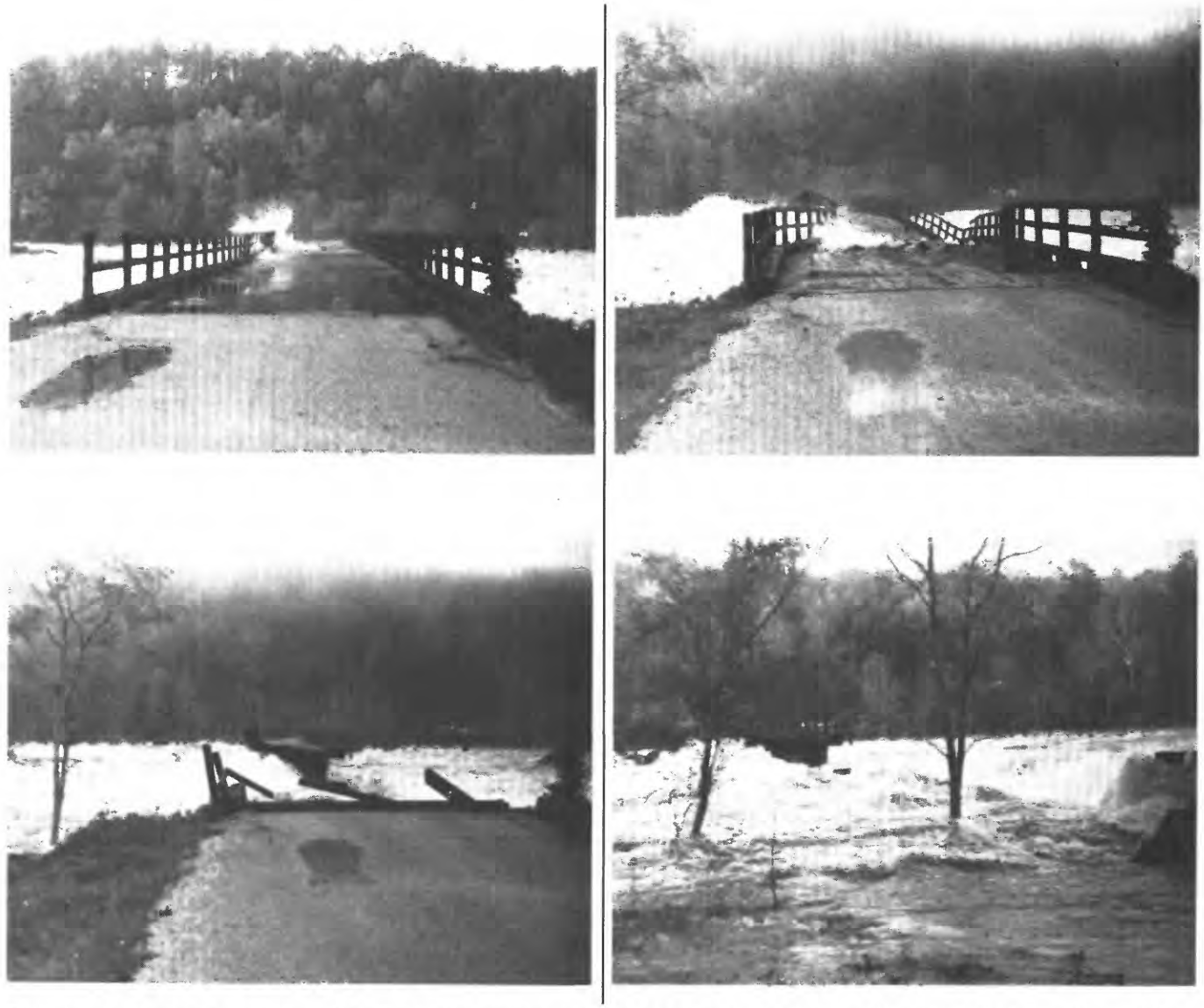

FRONTISPIECE.—Sequence of photographs showing the destruction of the bridge on State Highway 50 over the Tallapoosa River below Martin Dam near Tallassee, Ala., about 1630 CST, April 14, 1979. Photographs courtesy of H. H. Weldon, Electic, Ala.

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By GEORGE W. EDELEN, JR., K. V. WILSON, and JOE R. HARKINS, U.S. Geological Survey, and JOHN F. MILLER and EDWIN H. CHIN, National Weather Service, National Oceanic and Atmospheric Administration

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CONVERSION OF INCH-POUND UNITS TO INTERNATIONAL SYSTEM OF UNITS (SI)

Most units of measure used in this report are inch-pound units. The following factors may be used to convert inch-pound units to the International System of Units (SI).

Inch-pound	*to*	*SI*	*SI*	*to*	*Inch-pound*
		Length			
inch (in.)	=	25.4 mm	millimeter (mm)	=	0.03937 in.
foot (ft)	=	0.3048 m	meter (m)	=	3.2808 ft
mile (mi)	=	1.6093 km	kilometer (km)	=	0.6214 mi
		Area			
square mile (mi^2)	=	2.5900 km^2	square kilometer (km^2)	=	0.3861 mi^2
acre	=	4046.86 m^2	square meter (m^2)	=	0.000247 acre
		Volume			
cubic foot (ft^3)	=	0.0283 m^3	cubic meter (m^3)	=	35.3147 ft^3
acre-foot (acre-ft)	=	1233 m^3	m^3	=	0.00081 acre-ft
		Velocity			
mile per hour (mph)	=	1.6093 km/h	kilometer per hour (km/h)	=	0.6214 mph
foot per second (ft/s)	=	0.3048 m/s	meter per second (m/s)	=	3.2808 ft/s
		Flow rate			
cubic foot per second (ft^3/s)	=	0.02832 m^3/s	cubic meter per second (m^3/s)	=	35.3147 ft^3/s
$(ft^3/s)/mi^2$	=	0.01094 $(m^3/s)/km^2$	$(m^3/s)/km^2$	=	91.40768 $(ft^3/s)/mi^2$
		Pressure			
[The National Weather Service uses millibar (mb) as customary unit for atmospheric pressure.]					
inch of mercury at 32°F (in. Hg)	=	33.8639 mb	mb	=	0.02953 in. Hg
		Temperature			
degrees Fahrenheit (°F)	=	9/5(°C)+32	degrees Celsius (°C)	=	5/9(°F−32)

GLOSSARY

Acre-foot (acre-ft). The volume of water required to cover 1 acre to a depth of 1 ft. It equals 43,560 ft^3 (cubic feet), 325,851 gal (gallons), or 1,233 m^3 (cubic meters).

Aquifer. A water-bearing formation.

Contents. The volume of water in a reservoir or lake. Content is computed on the basis of a level pool or reservoir backwater profile and does not include bank storage.

Cubic feet per second (ft^3/s). A rate of discharge. One cubic foot per second is equal to the discharge of a stream of rectangular cross sec 1 ft wide and 1 ft deep, flowing at an average velocity of 1 ft/s. It equals 28.32 L/s (liters per second) or 0.02832 m^3/s (cubic meters per second).

Cubic feet per second per square mile [$(ft^3/s)/mi^2$]. The average number of cubic feet per second flowing from each square mile of area drained by a stream, assuming that the runoff is distributed uniformly in time and area. One $(ft^3/s)/mi^2$ is equivalent to 0.0733 $(m^3/s)/km^2$ (cubic meters per second per square kilometer).

Cyclone. An atmospheric low-pressure system around which the wind blows in a counterclockwise direction in the Northern Hemisphere and clockwise in the Southern Hemisphere.

Dewpoint (*or* dewpoint temperature). The temperature to which a given parcel of air must be cooled at constant pressure and constant water-vapor content in order for saturation to occur.

Drainage area of a stream at a specific location. The area measured in a horizontal plane, bounded by topographic divides. Drainage area is given in square miles. One square mile is equivalent to 2.590 km^2 (square kilometers).

Fall line. A narrow zone between resistant rocks and the softer formations of the coastal plain, characterized by steepened gradients and by waterfalls, locally.

Flood. Any high streamflow that overtops natural or artificial banks of a stream and overflows onto land not usually under water or ponding caused by precipitation at or near the point it fell.

Flood peak. The highest value of the stage or discharge attained by a flood.

Flood profile. A graph of the elevation of water surface of a river in a flood—plotted as ordinate; against distance—plotted as abscissa.

Flood stage. The approximate elevation of the stream when overbank flooding begins.

Front. The interface or transition zone between two airmasses of different density.

Gage height. The water-surface elevation referred to some arbitrary gage datum.

Gaging station. A particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharge are made.

GOES. Geostationary Operational Environmental Satellite.

GMT. Greenwich mean time.

High. A center of high barometric pressure.

Hydrograph. A graph showing stage, flow, velocity, or ground-water level of water, with respect to time.

Instability. Areas of instability as referred to in this report are areas where the lifted index is less than four.

Isohyet. A line connecting points of equal precipitation.

K index. A measure of the airmass moisture content and stability. $K=(T_{850}-T_{500})+T_{d,850}-(T_{700}-T_{d,700})$, where T and T_d are temperature and dewpoint, respectively, in degrees Celsius (°C); subscripts denote pressure levels.

Knot. A velocity of 1 nautical mile per hour.

Lifted index. Difference in degrees Celsius between the observed 500-millibar (mb) temperature and the computed temperature a parcel characterized by the mean temperature and dewpoint of the 50-mb-thick surface layer would have if it were lifted from 25 mb above the surface to 500 mb.

Low. Center of low barometric pressure.

Millibar (mb). A unit of pressure equal to 1,000 dynes per square centimeter.

National Geodetic Vertical Datum (NGVD). Formerly called Sea Level Datum of 1929. A geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. In the adjustment, sea levels from selected tide stations in both countries were held as fixed. The year indicates the time of the last general adjustment. This datum should not be confused with mean sea level.

Nautical mile. A distance of 6,080.20 feet (1.853 km).

Occluded front (occlusion). A composite of two fronts, formed as a cold front overtakes a warm front or a quasi-stationary front. This is a common process in the late stages of cyclone development.

Planck's law. One of the fundamental laws of physics that gives the intensity of radiation emission at a specific wavelength as a function of the temperature of a black-body.

Precipitable water. The amount of water contained in an atmospheric column if all the vapor between two levels (usually the surface and 500 mb) were condensed.

Radiosonde. A balloon-borne instrument package for measuring and transmitting meteorological data.

Rawinsonde. A meteorological data-collection system including a radiosonde and reflectors for measuring winds by radar.

Recurrence interval. As applied to flood events, the average number of years within which a given flood peak will be exceeded once.

Runoff. That part of the precipitation that appears in surface streams.

Sounding. A single complete radiosonde observation of the upper atmosphere.

Specific conductance. The measure of the ability of water to carry an electric current and, therefore, an indication, within rather wide limits, of the dissolved-solids concentration or salinity of a solution. Specific conductance is expressed in mhos/centimeter. In most waters, conductance is so low that micromho is used as the unit of expression.

Stage-discharge relation. The relation between gage height and the amount of water flowing in a stream channel.

Time of day is expressed in 24-hour time. For example, 12:30 a.m. is 0030 hours, and 1:00 p.m. is 1300 hours. Central standard time (CST) is used throughout this report unless stated otherwise.

Trough. An elongated area of relatively low atmospheric pressure.

FLOODS OF APRIL 1979, MISSISSIPPI, ALABAMA, AND GEORGIA

By GEORGE W. EDELEN, JR., K. V. WILSON, and
JOE R. HARKINS, of the U.S. GEOLOGICAL SURVEY
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ABSTRACT

A major storm brought large amounts of rainfall over the southeastern United States April 11–13, 1979. Heaviest rain fell over north-central Mississippi and Alabama. Although the storm extended into the headwaters of the Chattahoochee River basin in northwestern Georgia, most flooding there was only moderate. A maximum of 21.5 inches was observed at a site 14 miles southeast of Louisville, Miss. Areal average rainfall exceeded 12 and 8 inches over the upper Pearl and upper Tombigbee River basins, respectively. Owing to a series of antecedent storms in March and April over the Mississippi-Alabama area, soils were saturated and many rivers were already bankfull. Additional rains April 21–23 in Mississippi and April 24–26 in Alabama averaged less than 2 inches over the flooded area. A maximum of 6.4 inches was reported at Ruth, Miss., about 65 miles south of Jackson, where little or no rain fell during the major storm of April 11–13.

Floods in Mississippi and Alabama caused by the series of storms were the maximum of record at 60 streamflow gaging stations in the Coosa, Alabama, Tombigbee, Chickasawhay, Pearl, and Big Black River basins.

On the Pearl River, peak discharges at main stem gaging stations generally approached or exceeded those of the great flood of 1874, and recurrence intervals generally were greater than 100 years.

On some streams, maximum stages and discharges produced by the March 3–4 storm, although greater than those previously observed, were exceeded during the April 11–13 storm. Other storms in April extended the flood duration and added materially to the flood volume.

A comparison with the greatest known floods indicates that floods generally one-third greater than those in 1979 may occur in large basins and that floods two or three times greater may occur in small basins. Floods much greater than those observed in April 1979 or than the greatest known floods in the area are likely to occur if the probable maximum precipitation occurs.

Nine lives were reported lost. Estimated damages from the March and April flooding totaled nearly $400 million. During April 1979, 75 percent of the total damage occurred in the Pearl River Basin, and 65 percent of the damage occurred in Jackson, Miss., and vicinity. Seventeen thousand people were driven from their homes in Jackson, Miss.

The report presents analyses of the meteorological settings of the storms, the distribution of rainfall, and supplementary rainfall data that have not been published elsewhere. It also gives summaries of flood stages and discharges at 221 streamflow gaging stations, stages and contents of 10 reservoirs, flood-crest stages and hydrograph data (gage height, discharge, and accumulated runoff at selected times) at 46 gaging stations, ground-water fluctuations in 11 observation wells, and water salinity and temperature at 22 sites along the Intracoastal Waterway in Mobile Bay. The availability of aerial photography obtained during the flood is summarized, and flood damages are discussed.

INTRODUCTION

During March and April 1979, a series of storms in Mississippi and Alabama resulted in recordbreaking floods on streams in the Coosa, Alabama, Tombigbee, Chickasawhay, Pearl, and Big Black River basins. The first storm, March 3–4, produced maximum stages and discharges greater than previously observed on several streams in the Coosa, Tombigbee, and Chickasawhay River basins. Some of these floods were exceeded during the major storm of the series, April 11–13, which produced most of the recordbreaking floods.

The storms of March 23–24 and April 1–4 produced bankfull stages on many streams.

A major rainstorm occurred April 11–13, 1979, over the Southeastern United States. Rain fell over large areas of Mississippi, Alabama, Georgia, South Carolina, Tennessee, and Arkansas. However, the heaviest rain fell in central and northern Mississippi and Alabama (henceforth referred to as "the two-State region" or "the region"), over the Tombigbee and Pearl River basins.

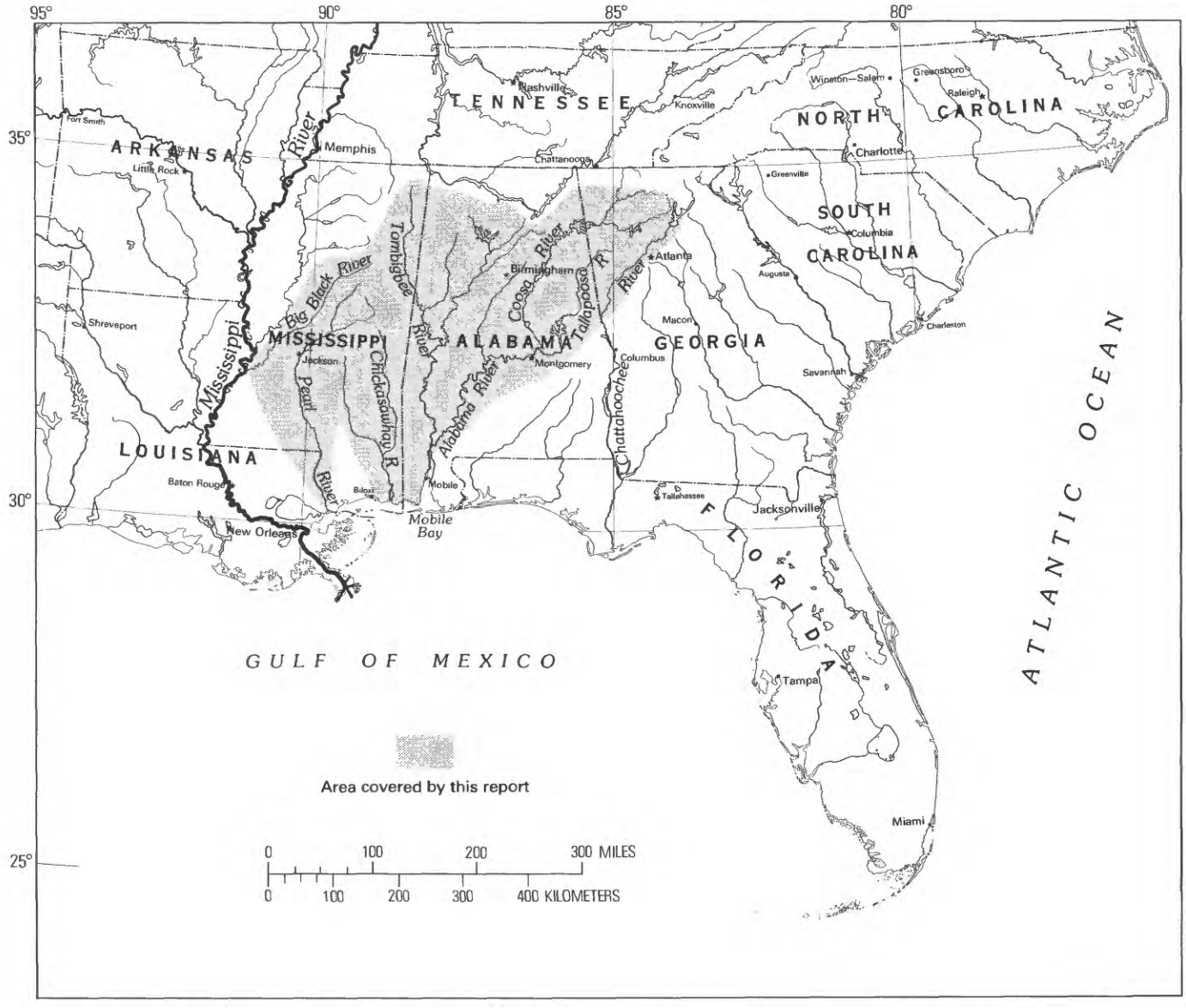


FIGURE 1.—Area affected by floods on the Alabama, Big Black, Chattahoochee, Chickasawhay, Coosa, Pearl, and Tombigbee Rivers and their tributaries in April 1979.

Stages were still high on many streams when the extremely heavy rains fell. The most severe flooding occurred in the middle reaches of the Tombigbee River and along the Pearl River at Jackson, Miss. Moderate flooding occurred along the Pascagoula River and the Yazoo River, a tributary to the lower Mississippi River. Although the storm extended into the headwaters of the Chattahoochee River basin in northwestern Georgia, most flooding there was only moderate.

Minor storms, April 21–26, caused small streams in the lower Pearl River basin to rise coincidentally with the arrival of floodwaters from the April 11–13 storm. The April 21–26 runoff added materially to flood volumes and extended the duration of flooding along the lower Pearl River. Figure 1 is a map showing major rivers and areas affected by the floods.

Peak flows in March and April at more than 60 streamflow gaging stations in Alabama and Mississippi were greater than those previously recorded. Maximum stages and discharges of record occurred along the main stems of the Coosa, Tombigbee, Pearl, and Big Black Rivers.

Nine lives were reported lost. Damages estimated by the U.S. Army Corps of Engineers (1980a, b) totaled nearly $400 million.

All rivers in Mississippi and Alabama drain into the Gulf of Mexico. The major rivers are the Alabama and

Tombigbee Rivers, which drain into Mobile Bay through the Mobile and Tensaw Rivers, and the Pascagoula, Pearl, and lower Mississippi Rivers.

The states of Mississippi and Alabama, bounded on the north by 35° N. latitude and on the south by the Gulf of Mexico, have ample rainfall. Mean annual total precipitation over the two-State region exceeds 50 in., and the number of days with appreciable rain (.01 in. or more) exceeds 100 each year. Rainfall is distributed throughout the year, with a maximum in March and a minimum in October.

The Tombigbee River rises in the fall-line hills in northeastern Mississippi and flows southeastward to western Alabama and then southward to join the Alabama River to form the Mobile and Tensaw Rivers, which flow into Mobile Bay. The Tombigbee is 442 miles long; about 350 miles are navigable because of a series of improvements in the form of dams and locks. Unlike the Pearl River in Mississippi. the Tombigbee River is an important artery for manufactured goods; it can be accessed by the Birmingham industrial area through the Black Warrior River tributary. The Tombigbee drainage basin is 22,100 square miles in area and is shaped like an inverted triangle. At the northernmost headwater region the drainage width is 170 miles; the width reduces to 80 miles at the midpoint of the river course near Demopolis, Ala., and narrows further as the river flows south, reaching a vertex near Mobile, Ala. Land use adjoining the Tombigbee River is predominantly agricultural. There is no city along the Tombigbee River main steam that compares in size with metropolitan Jackson, Miss., on the Pearl River.

At Demopolis, Ala., the Tombigbee River crested April 18, at 37.03 feet, more than 24 feet above flood stage and 1.3 feet above the previous record, established in 1961.

The Pearl River is the principal outlet for runoff from south-central Mississippi. Its watershed extends 240 miles from headwaters to the Gulf of Mexico and has a maximum width of about 50 miles. The total area drained is about 8,670 square miles. Except in its final 60-mile reach, where it forms the boundary between Louisiana and Mississippi, the Pearl River lies within the State of Mississippi. Its gradient is relatively flat, only about 1 in 5,000. It is mostly a shallow, meandering stream, nonnavigable except for recreational boating. Land use along the Pearl River is predominantly rural, agricultural, and woodlands except for the Jackson, Miss., metropolitan area. Jackson is located on the west side of the Pearl River about two-fifths of the way from its source. It lies on a rolling upland dissected by some 14 tributary creeks which drain eastward to the Pearl River. These creeks pose a double threat to the adjoining metropolitan area: flash floods from urban runoff within each tributary watershed and backwater from the Pearl River main stem. The natural flood plain at Jackson, about 2 miles in width, has been modified extensively by levees. About 10 miles upstream from Jackson is the Ross Barnett Dam, built in 1962 to provide water supply and recreation for Jackson. The reservoir behind this dam is maintained at a high level, to within a foot or two of capacity, to provide maximum recreational benefits; therefore, the flood control capacity of the system is minimal.

The April 1979 Pearl River flood set a new stage record of 43.28 feet at Jackson. The levee was overtopped. Nearly 2,000 dwellings and 298 commercial buildings were flooded. Seventeen thousand people were driven from their homes. A new $54 million sewage treatment plant was damaged substantially and raw sewage flowed directly into the Pearl River. Vital public services—water supply, electric power, telephone, and fire protection—were curtailed or hampered.

The purpose of this report is to present an analysis of the meteorological settings associated with the storm; stages, discharges, and accumulated runoff of the flood; contents of reservoirs, flood-crest elevations, and magnitude and frequency of peak discharges for comparison with previous large floods; ground-water levels; and a summary of flood damages.

ACKNOWLEDGMENTS

The meteorological and rainfall analyses contained in this report are based on data obtained by the National Weather Service and represent the collective effort of many professional people.

The supplementary rainfall data were obtained by a field survey team that included Roy Roberts (National Weather Service Lower Mississippi River Forecast Center, Slidell, La.) Rovert Ellis and Robert Manning (National Weather Service, Southern Region), cooperative program managers from Mississippi, Alabama, and Arkansas, and personnel from the Mississippi Department of Natural Resources.

Discharge records and other streamflow data appearing in this report were obtained as part of cooperative programs between the U.S. Geological Survey and the States of Alabama, Georgia, Mississippi, and Louisiana; county and municipal agencies within those States; and agencies of the Federal Government. The cooperation of the Mobile and Vicksburg Districts of the U.S. Army Corps of Engineers in providing photography and information on reservoir operation, flood heights, salinity, temperature, and flood damages is gratefully acknowledged. Other Federal and State agencies, municipalities, universities, corporations, and individuals assisted, financially or otherwise, in the data-

collection effort. Credit for this assistance is given in the appropriate places in the text.

METEOROLOGICAL SETTING

ANTECEDENT CONDITIONS

The 1978–1979 winter season was much wetter than normal over the two-State region. The December 1978 precipitation over central and northern Mississippi and northwestern Alabama was more than one and one-half times normal. Jackson, Miss., had a monthly total of 8.4 in., or 3.4 in. above normal.

Beginning in January 1979 a series of storms swept through the two-State region. The storm of January 1–3 was characterized by rapid movement of a Low from the lower Mississippi Valley to Quebec. The passage of the associated cold front caused precipitation to fall over the whole region. Jackson, Miss., had 2.74 in., and Birmingham, Ala., had 1.51 in. Subsequent storms that produced significant amounts of precipitation occurred during the periods January 6–8 and 18–21 and on January 24, 27, and 31. All of Mississippi, except the northernmost part, and western and southern Alabama had more than one and one-half times the normal precipitation in January, and the midsection of the Pearl River drainage basin, centered around Jackson, had more than three times the normal January amount. Jackson itself received 14.1 in. in January 1979, compared with a normal of 4.4 in.

Cyclogenesis occurred on February 5 and 6 off the Texas coast in the Gulf of Mexico. The surface Low moved eastward, and the southerly flow in advance of the center was lifted by the associated warm front, causing rain to fall over Mississippi and Alabama on February 6 and 7. Other periods of appreciable precipitation over the region were February 18–19 and 21–25. For the month, the central and southern parts of the two-State region had precipitation more than 50 percent above the February normal. Although departures were less for the northern half of Mississippi, precipitation was still above normal. Total February precipitation at Jackson, Miss., was 8.4 in., or 3.8 in. above normal. Thus, after three consecutive wet months in the winter season over the central part of the region, particularly over the middle Pearl River basin, the soil was thoroughly saturated. Streamflows were more than ample in the Pearl River, in several headwater tributaries of the Pascagula River, and in the Tombigbee River, and reservoirs in the region were nearly filled even before spring season.

EARLY SPRING STORMS

The series of storms continued into the spring. Prior to the large storm of April 11–13 which produced the major flooding, there were seven spring storms that brought significant amounts of precipitation to the region. These storms occurred on March 3–4, March 10–11, March 14, March 21, March 23–24, April 1–4, and April 8–9. Among these storms, the more important rainfall periods were associated with the storms of March 3–4, March 23–24, and April 1–4. The weather situations accompanying each of these storms are discussed briefly, with the three most significant storms discussed in some detail.

MARCH 3–4

On February 28, a surface Low moved across the northern Pacific coast of the United States. Significant meteorological features associated with the storm are shown in figure 2. The surface system was over Nevada by the morning of March 1 and continued toward the southeast crossing the intermountain region. Aloft, at 500 mb, a deep short wave trough moved onshore the night of February 28–March 1 and continued its eastward movement. By the evening of the 2d, the trough was over the eastern slope of the Rocky Mountains. The trough induced the re-formation of the surface Low in southeastern Colorado and the Oklahoma-Texas panhandle region. The Low stagnated briefly while its cyclonic circulation reorganized, then moved slowly eastward. By the morning of the 3d, the storm had become a well-organized system with a central pressure of 1,000 mb located over eastern Oklahoma. The warm front extended eastward from this system, across central Arkansas, southern Kentucky, and eastern Tennessee to western North Carolina. The cold front extended southward along the Oklahoma-Arkansas and Texas-Louisiana borders. Across the Southeastern United States, warm moist air was advected from the Gulf of Mexico. At 0600 CST, March 3, the precipitable water in this air flow was 1.56 in. at Boothville, La., and 1.43 in. at Jackson, Miss. These values compare with the climatological values of the semimonthly maxima of 1.91 in. at Boothville and 1.68 in. at Jackson. The K index on the morning of the 3d was 30 at Boothville and 40 at Jackson, indicating thunderstorm probabilities of 50 percent at the former and near 100 percent at the latter. As warm maritime air from the Gulf of Mexico moved into the region, thundershowers were prevalent. From eastern Oklahoma, the Low turned northeastward and by the morning of the 4th was located over the east-central coast of Lake Michigan. The 500-mb trough continued a steady eastward movement and passed over the region by the evening of the 4th. The eastward movement of these systems brought an end to the rain.

The rain in the March 3–4 storm began over southern Mississippi during the evening of the 2d and then spread northeastward to large areas of the Pearl, Pascagoula, Tombigbee, and Alabama River basins. Much of

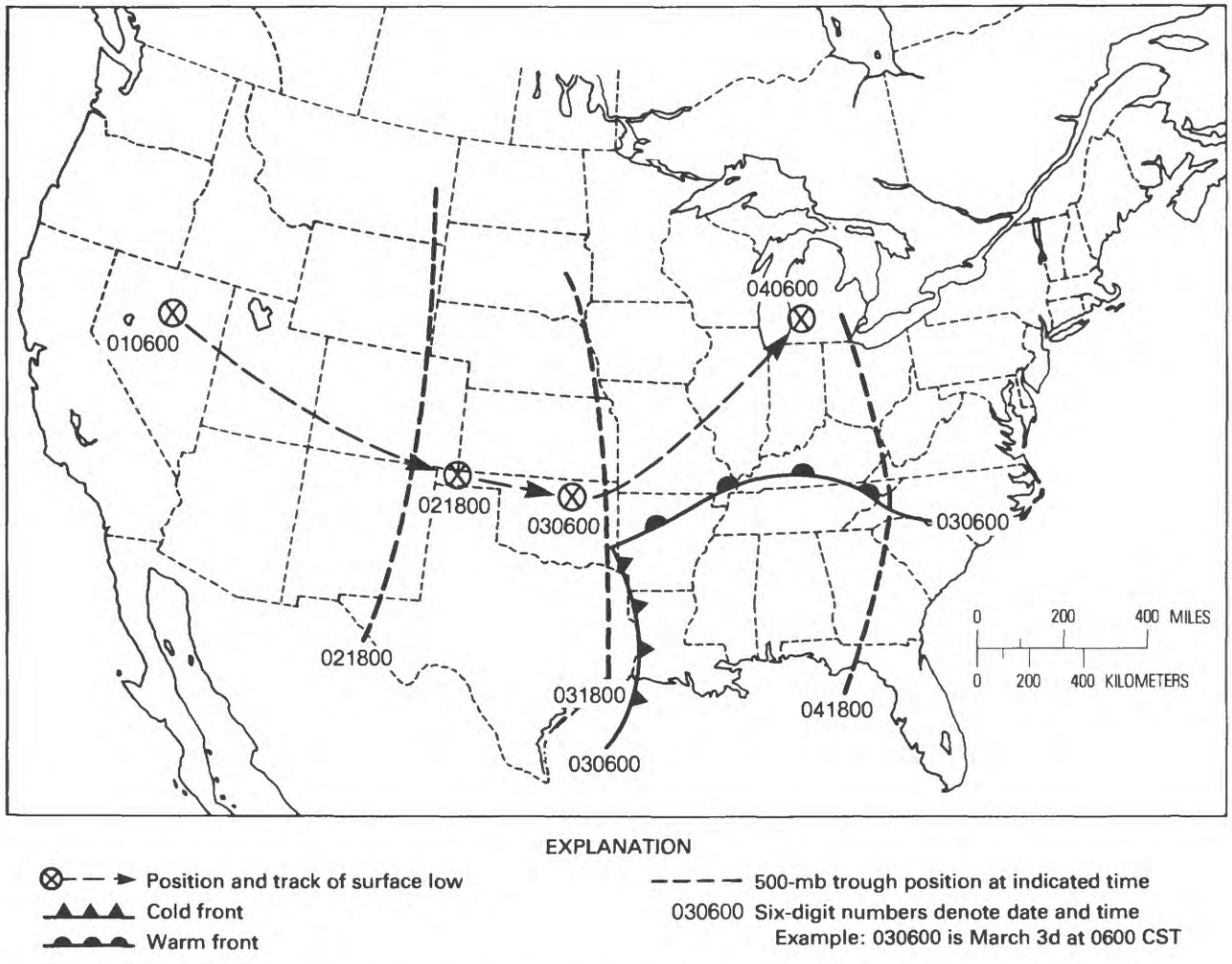


FIGURE 2.—Significant meteorological features associated with the storm of March 3–4, 1979.

the rain fell on the 3d. The greatest rainfall total for the storm was 13.08 in., at the Hickory 1E, Miss., station. The largest single-day amount was 8.52 in. on the 3d at Codin, Ala., on the Gulf coast. The axis of heaviest rainfall (fig. 3) extended between these two stations and continued northeastward across Alabama. Rain was widespread over the two-State area. Areal average rainfall was greatest, amounting to more than 5 in., over the Chickasawhay and Tombigbee River basins.

MARCH 10–11, 14, AND 21

Weak weather systems crossed the Southeastern United States on March 10–11 and March 14, and again on March 21. These storms caused rather widespread but light rain over Mississippi and Alabama. On March 10–11, rain over the coastal regions of Alabama averaged about 1 in., while over the rest of the two-State area rainfall averaged less than 0.5 in. The rainfall on March 14 and 21 was primarily centered over the northern portion of the two-State area and in each case averaged only about 0.25 in. Though the rainfall in these storms was light, it served to maintain a high level of soil moisture.

MARCH 23–24

The second significant early spring storm occurred on March 23–24. The chain of events began when a Low crossed the California coast on March 18 and moved slowly eastward across Arizona and New Mexico. By late afternoon on March 21, the Low was in central New Mexico (fig. 4). At this time, it started to move in a northeasterly direction. The Low crossed southeastern Colorado, Kansas, and Missouri, and by the morning of the 23d it was centered in southeastern Iowa. The cold frontal system stretched southward from the surface Low. The primary front extended through Missouri, Arkansas, and Louisiana, crossing the Gulf of Mexico coast near Lake Charles. A secondary front and instability line/squall line existed in advance of the primary front. Most of the rainfall associated with the system

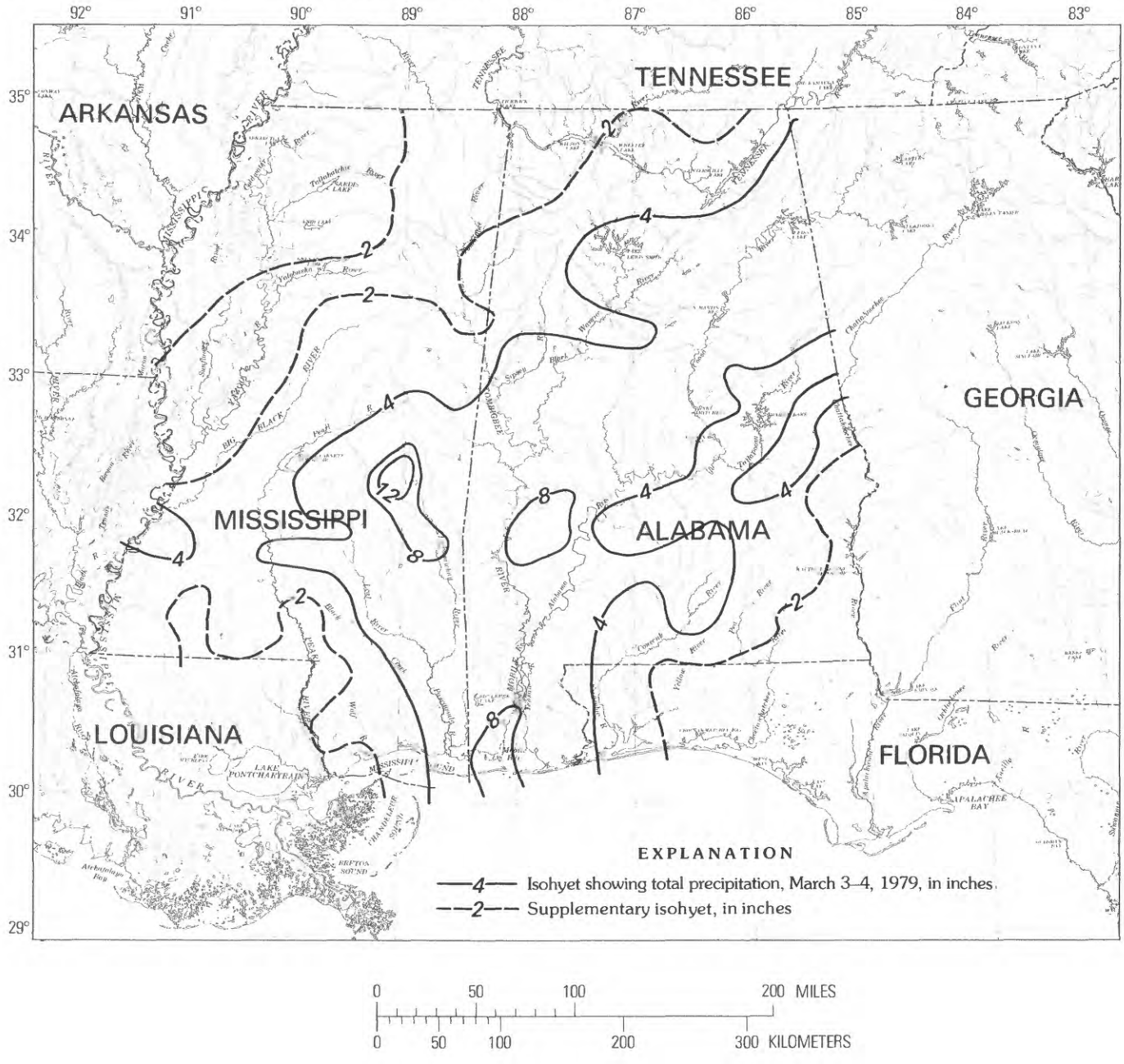


FIGURE 3.—Isohyetal analysis of storm rainfall, March 3–4, 1979.

was a result of the secondary front and instability line/squall line. By the morning of the 24th, the Low had moved over central Lake Michigan and the frontal system had moved through the two-State region. The cold front extended from Lake Michigan through Michigan, Ohio, West Virginia, Virginia, North and South Carolina, crossing the coast near Charleston, S.C. Some lingering rainfall was occurring in northeastern Alabama, but the significant storm rainfall over the basin had ended.

The 500-mb circulation had large meridional components prior to the storm. By the morning of the 22d, the flow aloft had split into two separate waves, with one remaining offshore and the other centered over northern New Mexico. The easternmost 500-mb closed Low and trough were associated with the surface system that caused the rain over the two-State region. By the morning of the 23d the Low had reached approximately 95° W. This position placed the two-State region under a trough-to-downwind ridge flow pattern. Both mass and

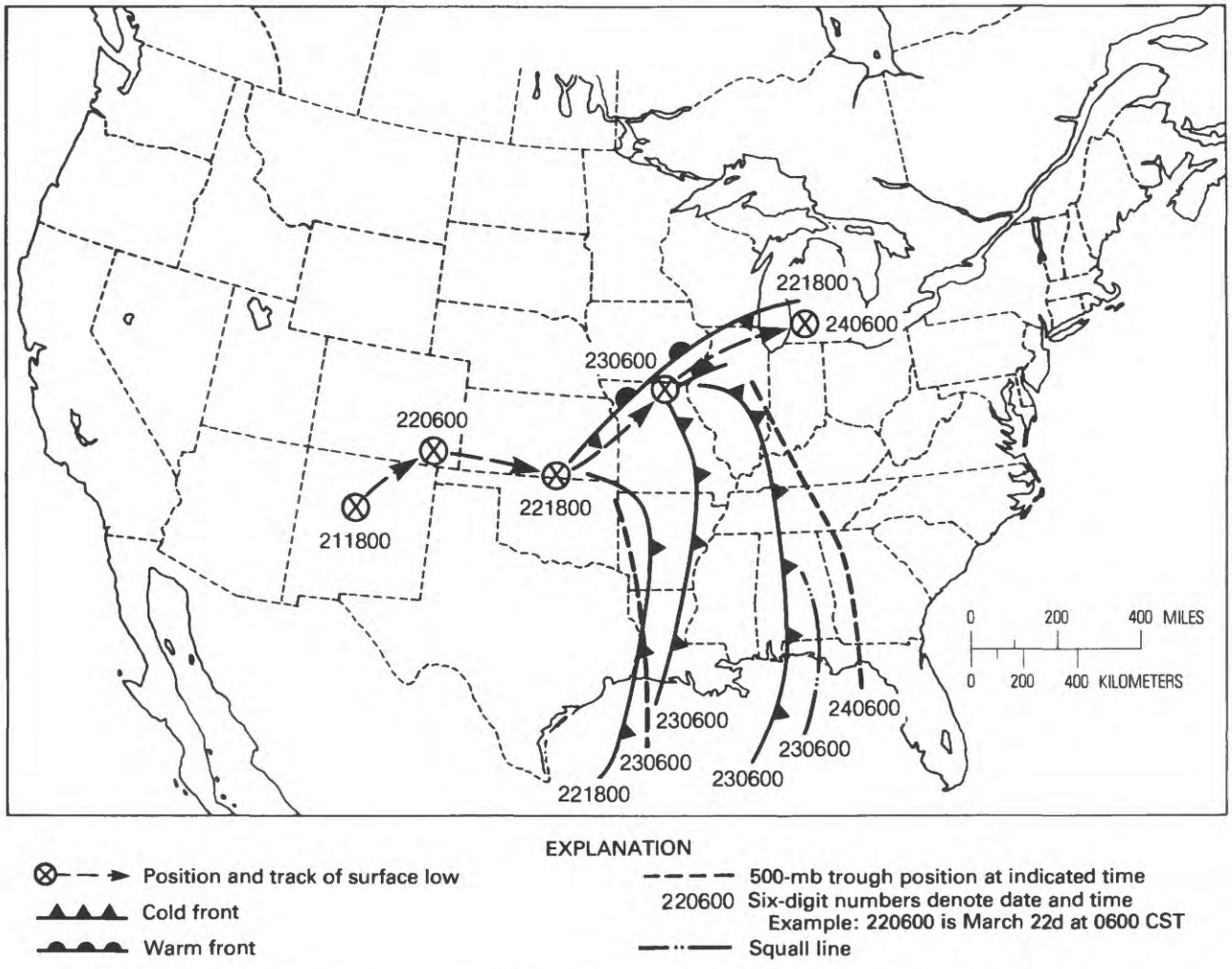


FIGURE 4.—Significant meteorological features associated with the storm of March 23–24, 1979.

isobaric convergence (divergence) existed in a deep layer below (above) about 500 mb. This condition is very favorable for intensification of weather systems, and in fact both the surface and 500-mb Lows deepened as they moved to the northeast.

In the warm, moist airflow in advance of the surface and upper air systems, precipitable water was only moderate. At Jackson, Miss., the observed amount from surface to 500 mb at 1200 GMT was 0.95 in. on the 22d and 0.43 in. on the 23d. These can be compared with the March mean at Jackson of .63 in. (standard deviation, .34). At Centreville, Ala., the observed amounts of precipitable water for the same layer were 0.91 and 1.12 in. on those dates; climatological values are not available for Centreville.

Rain began in the early morning of the 22d over a large part of Mississippi and spread to Alabama. The period of rainfall over Mississippi was March 22–23, with the 22d the rainier day, while the period of rainfall over Alabama was March 22–24, with the 23d the rainiest day. A maximum storm precipitation of 4.42 in. fell at Dayton, Ala., (32°22′ N, 87°39′W) in the Tombigbee River drainage basin. The average depth of rain was less than 1.0 in. over the Pearl River basin and approximately 1.5 in. over the Tombigbee River basin. A generalized isohyetal map for this storm is shown in figure 5.

APRIL 1–4

The third significant spring storm occurred during the period April 1–4. At 1800 on March 30, the 500-mb circulation over North America was characterized by a long wave trough over the Western United States, with the trough axis extending from western Montana to eastern Arizona. Meanwhile, off the west coast, a short wave impulse appeared and moved rapidly southeastward along the major trough. By the morning of April 1, this short wave trough was passing over the Oklahoma-Texas panhandle region (fig. 6), while the major long wave trough was still over the Rocky Mountains. The

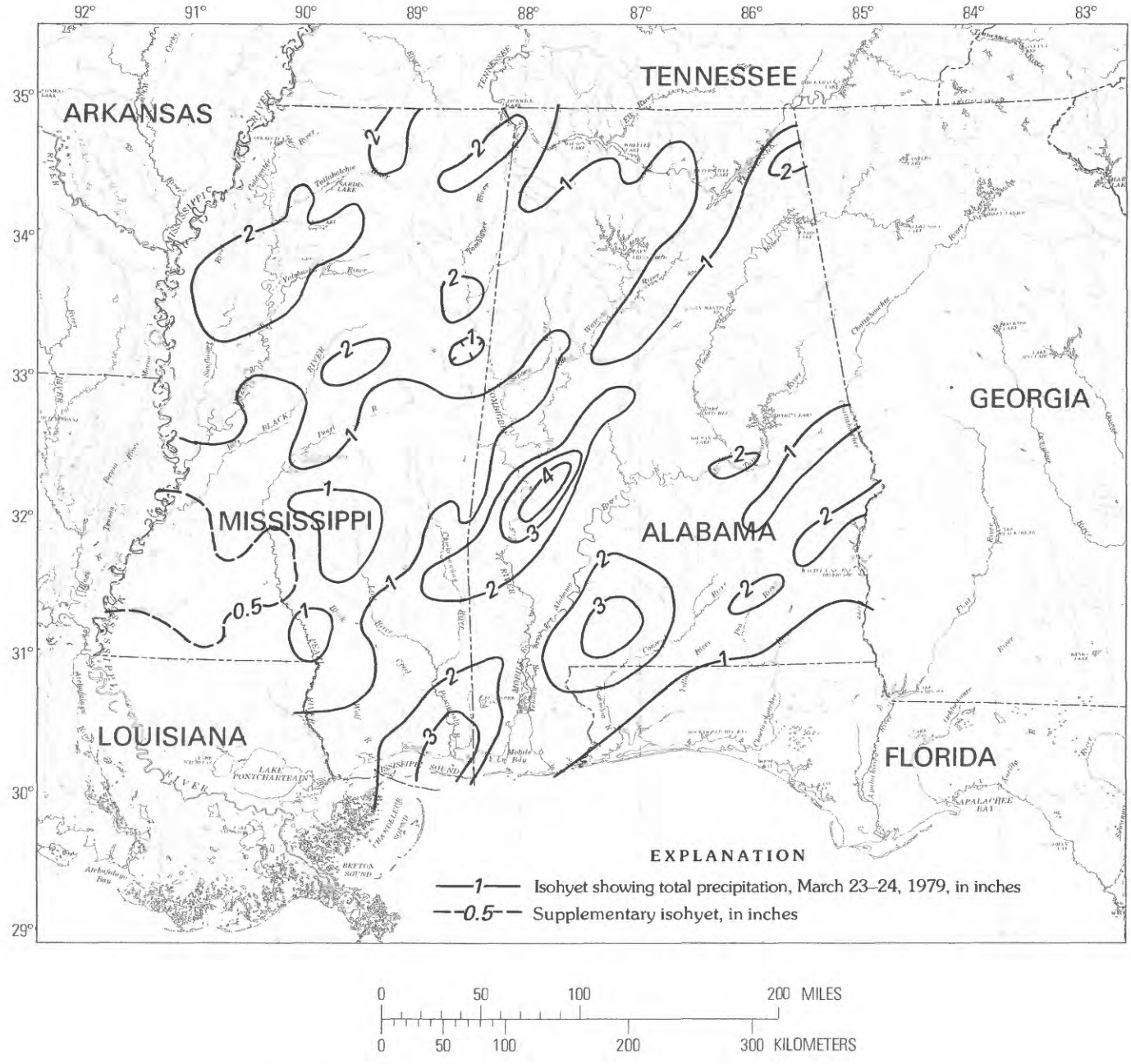


FIGURE 5.—Isohyetal analysis of storm rainfall, March 23–24, 1979.

passage of the upper air short wave trough over an existing diffuse surface frontal system over the Southeastern United States triggered frontal wave formation and cyclogenesis. A weak depression located over north central Texas on April 1 intensified, and by that evening it had become a well-formed system centered on the Arkansas-Missouri border (fig. 6). The Low continued to deepen, and its cyclonic circulation expanded over an even larger region as it moved rapidly northeastward to the Great Lakes region and then to the Hudson Bay coast of Quebec by the evening of the 3d. Simultaneously, the 500-mb short wave disturbance propogated rapidly toward Quebec. A section of the preexisting weak surface frontal system was already in place over northernmost Mississippi on the evening of March 31, with precipitation generally to the north of the front. As the frontal wave developed and the closed Low formed, a squall line was generated ahead of the cold front that extended from the center of the Low southward into the Gulf of Mexico. By the morning of the 2d, the cold front was moving through northwestern Mississippi while the squall line was already in western Alabama. The

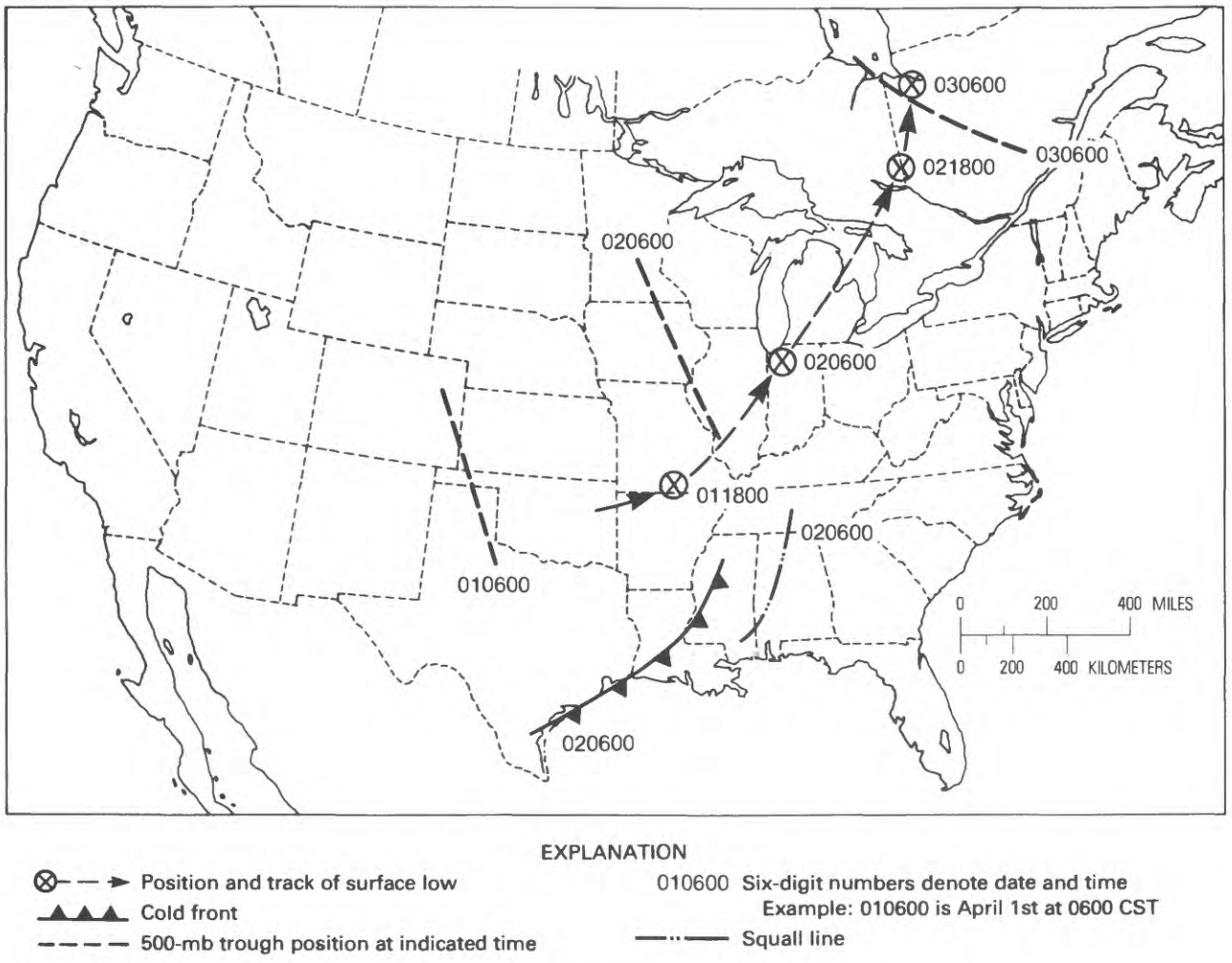


FIGURE 6.—Significant meteorological features associated with the storm of April 1–4, 1979.

precipitable water in the warm, moist airflow in advance of the cold front was 1.46 and 1.13 in. at Jackson, Miss., and Centreville, Ala., respectively, at 1200 GMT on April 2, and 1.11 and 1.22 in., respectively, at 1200 GMT on April 3. These values at Jackson compare with 1.74 in. for the climatological April 1–15 semimonthly maximum. The K index was 38 at Jackson and 30 at Centreville on the 2d, indicating a thunderstorm probability of 80 to 90 percent at the former and 40 to 60 percent of the latter.

Rain started over northwestern Mississippi on the morning of March 31 and spread southeastward. Precipitation fell over the whole two-State region during the period March 31–April 4. However, most of the rain fell between April 1 and 3 over Mississippi and between April 2 and 4 over Alabama. Maximum amounts for the storm were centered over the Alabama River basin, where an average of 5 in. was received. A point maximum of 11.03 in. was observed at the Camden 3NW, Ala., station, on April 1–4; 8.06 in. of that fell on the 3d. The Tombigbee and Chickasawhay River basins received average rainfalls of 3.5 and 4 in., respectively. A generalized isohohyetal analysis for this storm is shown in figure 7.

APRIL 8–9

The next period of rain over the region occurred April 8–9, with amounts considerably less than those contributed by the three significant spring storms previously described. On April 6, a Low over the border region of British Columbia and Alberta in western Canada began to move southeastward, and by noon of the 7th it had reached the Dakotas. Once over the Iowa-Nebraska border region, the Low began to curve northeastward. It was over the Iowa-Illinois area on the morning of the 8th and over the Indiana-Ohio area on the evening of the 8th. Then it turned and moved toward New Brunswick. The associated 500-mb trough initially lagged behind

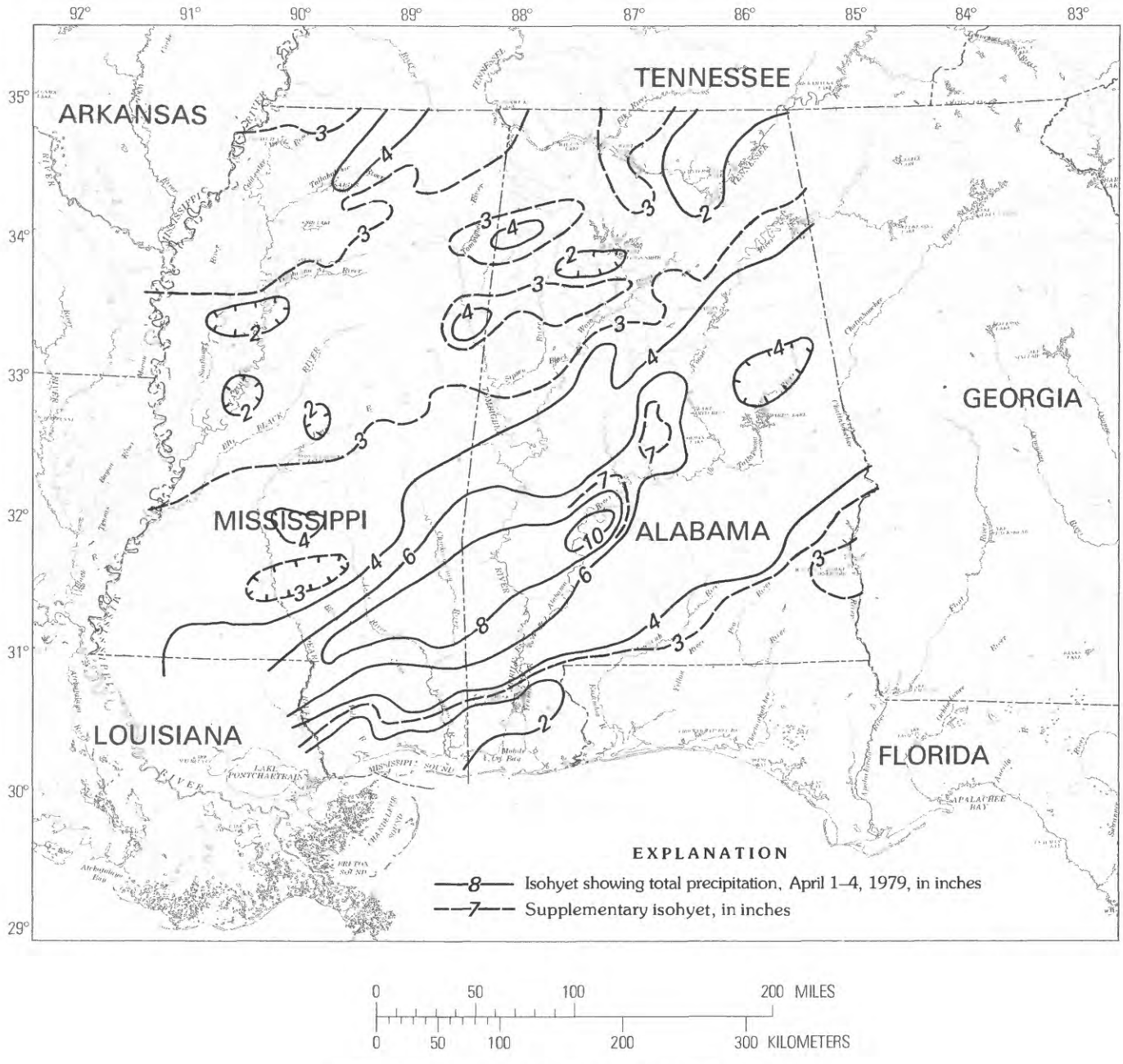


FIGURE 7.—Isohyetal analysis of storm rainfall, April 1-4, 1979.

the surface Low and was over western Montana and Idaho when the surface Low was already over the Dakotas. But by the morning of the 8th, the upper level trough had caught up with the surface system. Much of the wave undulation of the 500-mb circulation pattern occurred to the north of the region of interest. The 500-mb flow over Mississippi-Alabama was predominantly zonal and was only marginally affected by the passing of the short wave trough early on the morning of the 9th. This situation was in marked contrast to those associated with the three significant earlier storms, when the two-State region was under a pronounced 500-mb trough-to-ridge pattern sometime during the storms.

The precipitable water in the southerly airflow over the region at 1200 GMT on April 8 was 1.22 in. and 0.75 in. at Jackson, Miss., and Centreville, Ala., respectively. As the Low turned toward the northeast on the morning of the 8th, the associated cold front moved eastward toward the two-State region. The distance of this surface system from the two-State region, the primarily zonal flow aloft over the region, and the lower moisture

content of the air than in the previous storms resulted in generally lower precipitation amounts. Scattered moderate rain began to fall over the northern two-thirds of the region on the morning of the 8th and continued intermittently throughout the day. At a few stations, the rain extended into the 9th. A maximum of 2.99 in. was observed at the Collinsville 7SE, Miss., station in the Chickasawhay River basin.

MAJOR STORM EVENT: APRIL 11–13

The cumulative effect of these antecedent storms was to saturate the soil in the region. Many rivers were at high stages or exceeded bankfull along some sections before the outbreak of the major storm of April 11–13. For example, the Pearl River at Jackson, Miss., was already 10 feet above flood stage before heavy rain began on the 11th.

The storm that was the direct cause of the floods on the Pearl and Tombigbee Rivers occurred on April 11–13. Precipitation was heavy through most of the two-State area but was concentrated primarily in the Pearl and Tombigbee River basins. The prolonged, large precipitation event resulted from a large, slow-moving weather system that for a period of several days brought warm, moist air over the Southeastern States. The discussion of meteorological conditions will proceed from the 500-mb to the 850-mb level, and then cover the surface features.

500-MB FEATURES

Prior to the storm, on the evening of the 9th, a deep, long wave trough at the 500-mb level became established over the Western United States. This trough advanced very slowly eastward, and by the morning of the 11th a cutoff Low was located on the Colorado-New Mexico border at approximately 104° W (fig. 8*A*). The associated downwind ridge extended southeastward from Michigan through Ohio and West Virginia to the Atlantic coast of North Carolina. This circulation pattern placed large portions of the Southeastern United States under a trough-to-ridge pattern and resulted in a southwesterly flow over the two-State area. Windspeeds were about 40 knots over the region, and dewpoint depressions at the 500-mb level averaged about 5 degrees. The 500-mb pattern changed very little during the next 12 hours. The center of the cutoff Low moved northeastward to the Kansas-Nebraska border at a speed of only about 10 miles per hour, and the trough now extended southward from this locaton into extreme western Texas (fig. 8*B*). Over the two-State area, southwesterly winds still prevailed, with some increase in windspeed. The 500-mb Low continued to move northward, with very little eastward component. By the morning of the 12th, it was centered in east-central South Dakota (fig. 8*C*). During the next 12 hours movement slowed, and by the evening of the 12th the Low had moved to southern North Dakota (fig. 8*D*). From the morning of the 13th, the Low progressed slowly to eastern North Dakota, reaching the Minnesota-Manitoba border by the evening of the 13th (figs. 8*E*, 8*F*).

The very slow progression of the Low and the predominant northward (rather than northeastward) trajectory was matched by a corresponding slow progression of the associated trough. From a position extending from the Kansas-Nebraska border to extreme western Texas on the morning of the 12th, the trough progressed very slowly eastward, reaching the Mississippi-Alabama regon on the night of the 13th. Therefore, the two-State region was under a prolonged 500-mb trough to downwind ridge pattern with a strong southwesterly flow—a most favorable prerequisite for flood-producing storms to develop.

850-MB FEATURES

At the 850-mb level, the major feature associated with the deep 500-mb trough was a Low over Wyoming on the evening of the 9th. The Low progressed southeastward through Colorado and brushed the Texas Panhandle by the evening of the 10th before slowing down and beginning to turn northeastward. Prior to the storm period, the 850-mb wind over the two-State region was westerly. As the Low approached, the wind direction began to change and became predominantly southerly by the evening of the 10th. By the morning of the 11th, the 850-mb Low was located over the Colorado-Kansas border region; it deepened as the circulation pattern over the Southeastern United States became more meridional (fig. 9*A*). Warm, moisture-laden air from the Gulf of Mexico was advected into the region by southerly winds reaching 40 to 45 knots as the 850-mb contour gradient tightened. The 850-mb Low continued to deepen, and by the evening of the 11th, when it was centered over the Kansas-Nebraska border (fig. 9*B*), its central height was 1,230 meters, a decrease of 110 meters in 2 days. A tongue of warm air extended northward from the Gulf of Mexico over the Pearl and Tombigbee River basins, with temperatures exceeding 16°C (shaded regon in fig. 9*B*). Dewpoint depressions in this tongue of warm air ranged between 2 and 6 degrees, indicative of the high moisture content.

On the evening of the 11th, the 850-mb Low took a mostly northward track, with only limited eastward drift. By the morning of the 12th, the Low was centered over eastern South Dakota (fig. 9*C*), and 24 hours later it was over the North Dakota-Minnesota border (figs. 9*D*, 9*E*). By the evening of the 13th, it was over the Minnesota-Manitoba border (fig. 9*F*). The strong southerly flow over the Mississippi-Alabama region persisted

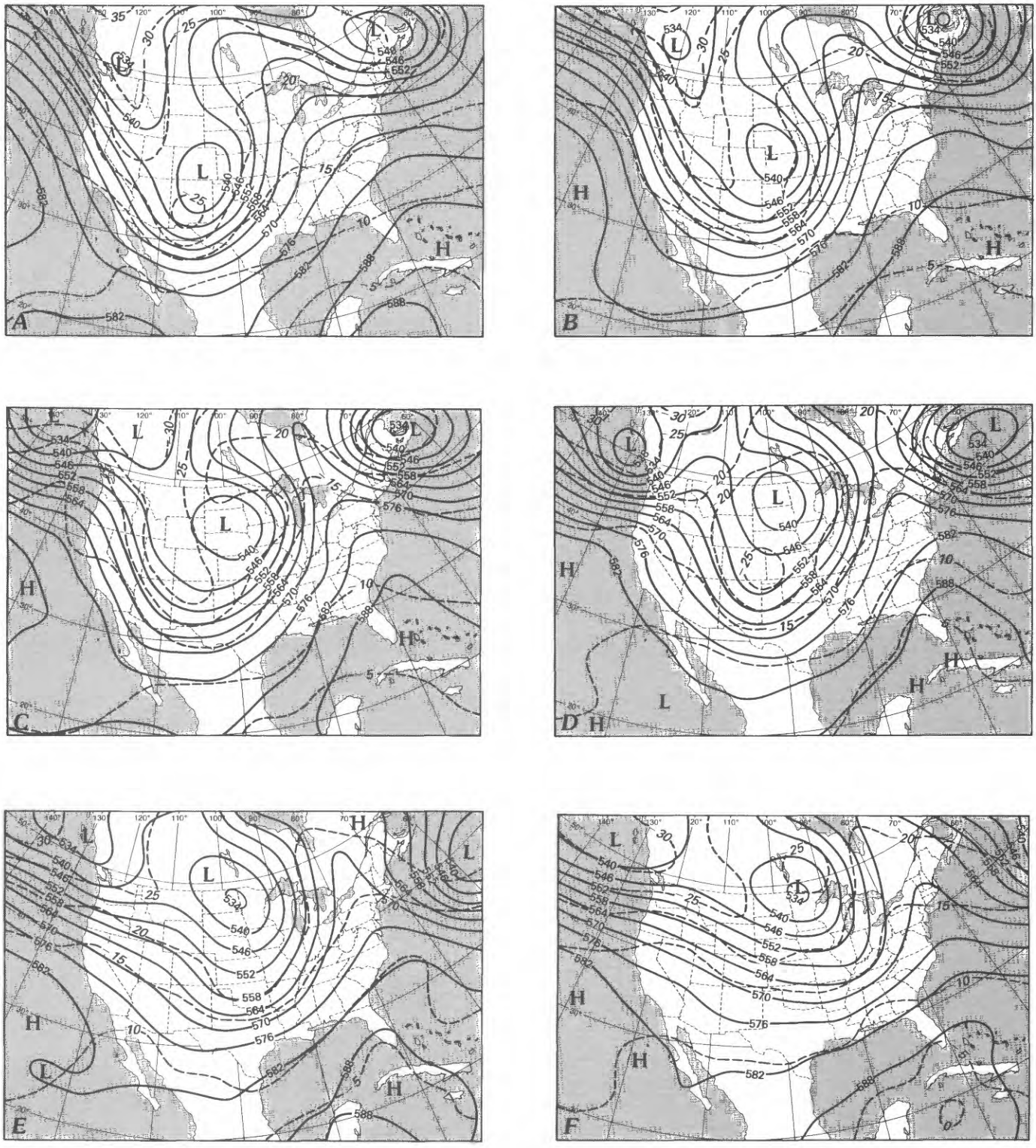


FIGURE 8.—500-mb analyses. *A*, 0600 CST, April 11, 1979. *B*, 1800 CST, April 11, 1979. *C*, 0600 CST, April 12, 1979. *D*, 1800 CST, April 12, 1979. *E*, 0600 CST, April 13, 1979. *F*, 1800 CST, April 13, 1979.

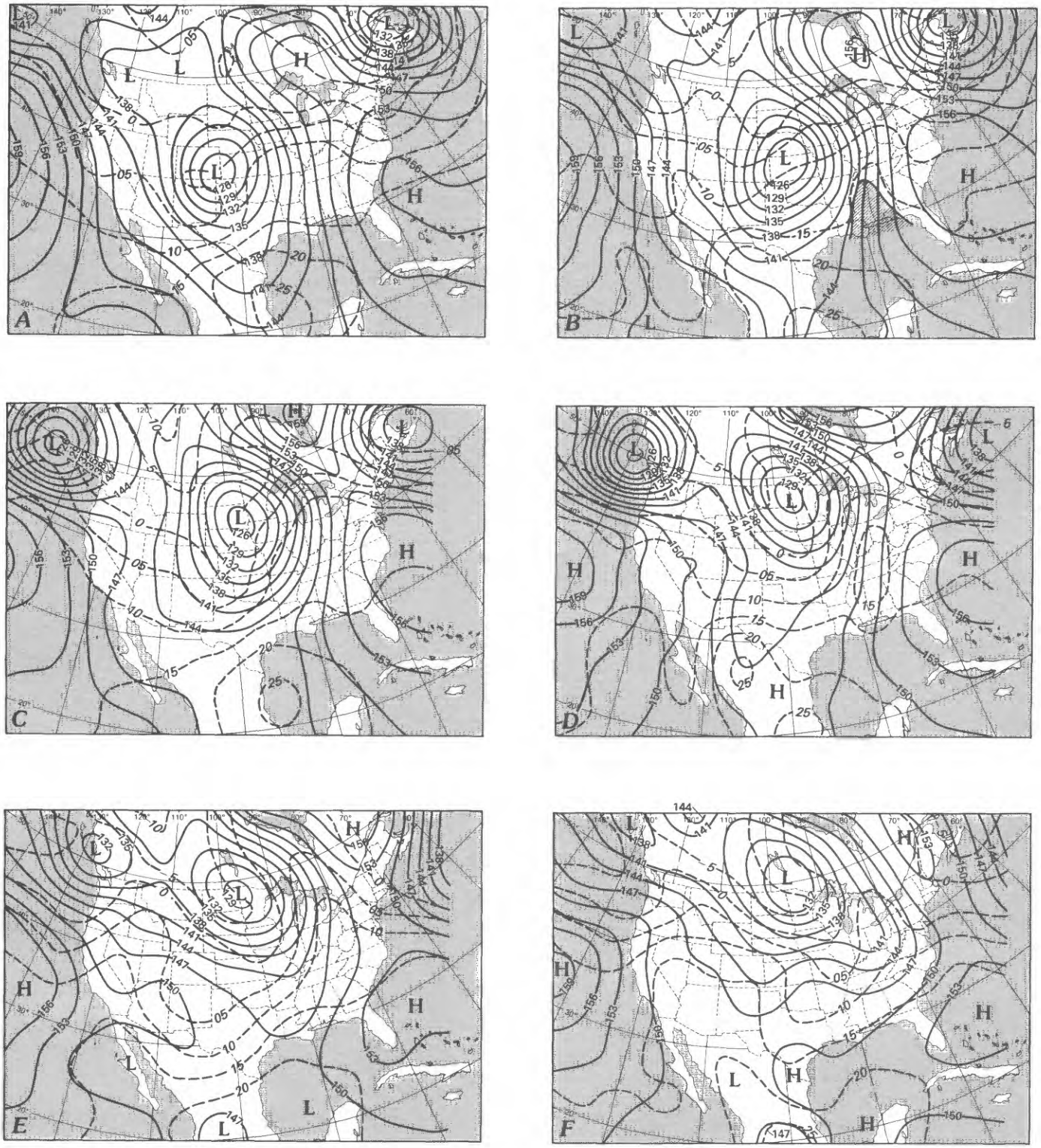


FIGURE 9.—850-mb analyses. *A*, 0600 CST, April 11, 1979. *B*, 1800 CST, April 11, 1979. *C*, 0600 CST, April 12, 1979. *D*, 1800 CST, April 12, 1979. *E*, 0600 CST, April 13, 1979. *F*, 1800 CST, April 13, 1979.

from the morning of the 11th until the morning of the 13th, when the circulation pattern began to change significantly. By the evening of the 13th, the region of interest came under a ridge-to-downwind trough flow pattern and the 850-mb wind became northwesterly, signifying that the storm had ended.

The average precipitable water over the two-State region increased from 0.6 in. on the morning of the 12th to more than 1.4 in. on the morning of the 13th. Then, as northwesterly flow replaced southerly flow, the precipitable water decreased, to about 0.3 in. on the morning of the 14th. Specifically, the precipitable water in the airflow on the morning of the 13th was 1.47 and 1.55 in. at Jackson and Centreville, respectively. The 1.47 in. at Jackson can be compared with the mean of record there of semimonthly maxima of 1.29 (standard deviation, .21) and a maximum semimonthly value of 1.74. Comparative statistics for Centreville are not available. The stability condition, as depicted by the daily lifted index analysis, indicated less than +4 (unstable condition) over the two-State region, from the morning of the 11th and throughout the duration of the storm.

SURFACE WEATHER FEATURES

On the evening of the 9th, the surface Low associated with this system was located over southern Montana, to the lee of the Continental Divide. By the evening of the 10th it had moved southward through Wyoming to eastern Colorado and deepened. The central pressure dropped from 992 to 985 mb. By the morning of the 11th, the Low was located in southeastern Colorado and had a central pressure of 982 mb (fig. 10*A*). By this time, occlusion of the frontal system had already occurred. The air near the center of the Low became well mixed with the occluded front, extending from the Center of the Low through Colorado, Kansas, and Oklahoma into Texas to the confluence of the warm and cold fronts. The warm front extended eastward through southern Oklahoma, Arkansas, central Mississippi, and southwestern Alabama to northern Florida, while the cold front extended through east-central Texas southward into northern Mexico. The warm front, under the influence of the strong southerly flow from the surface to above 500 mb, moved rapidly northward during the day. This was the same warm front that passed through the Red River Valley near the Texas-Oklahoma border region on the afternoon of the 10th, triggering severe thunderstorms and tornadoes that touched down at Veron and Wichita Falls, Tex., causing considerable destruction. The surface Low began a curvature to the northeast and by the evening of the 11th was centered in north-central Kansas (fig. 10*B*). The occluded front became indistinct near the center of the Low but was clearly defined from north of the Low into south-central Missouri. The cold front extended from this location southward through central Arkansas to eastern Texas. The warm front extended from the confluence of the fronts northeastward through southern Illinois, Indiana, and Ohio to West Virginia. The two-State area now was wholly within the warm sector of this storm and would remain in it until the rain ended with the passage of the cold front some 2 days later. As the cold front was progressing slowly eastward, a squall line had developed in advance of the front in the warm, moist, convectively unstable air in the warm sector. At 1800 CST on the 11th, the squall line extended from the Arkansas-Mississippi border to central Louisiana and was moving very slowly eastward across Tennessee and northern Mississippi and Alabama. Most of the rain during this storm was associated with this and other squall lines that developed in the warm sector of the storm.

By the morning of the 12th, the Low had moved to southeastern South Dakota while the associated cold front, after reaching western Mississippi, had become a weak, quasi-stationary front (fig. 10*C*). Ahead of this front, a major squall line in the warm sector now extended form central-eastern Mississippi to northeastern Alabama and northeastward. The movement of the Low slowed, and it had reached the North Dakota-Minnesota border region by 1800 (fig. 10*D*).

The northern portion of the instability line had moved eastward more rapidly than the southern end during the day on the 12th. By 1800 it was oriented east-northeast to west-southwest from south of McComb, Miss., to just south of Atlanta, Ga. (fig. 10*D*). An analysis of hourly surface observations at 1500 on April 12 for the region is shown in figure 11. At this time, heavy rain was falling in central-western Alabama. A very interesting feature was the presence of a sharp surface trough oriented nearly east-west. The squall line was alined with this deep trough and took on the characteristics of a front, acting as a boundary between the warm maritime airmass to the south and the continental airmass to the north. Most of the thunderstorms and rains occurred to the north of the trough as incoming maritime air was lifted along this line of low level convergence.

The Low continued a very slow drift northward for the next 24 hours and was over the Minnesota-Canada border by the evening of the 13th (figs. 10*E*, 10*F*). The two-State region was still in the warm sector of the primary system as a weak Low developed in northern Mississippi by the morning of the 13th and then moved northward along the cold front. The squall line, meanwhile, persisted over the two-State region (fig. 10*C*). The southerly inflow weakened noticeably as the cold front started to sweep past the region.

Beginning on the morning of the 13th, the upper air circulation pattern over the Southeastern United States gradually shifted from southwesterly to a more zonal

front. As the cooler and drier airmass from the interior of the continent replaced the maritime airmass, the 850-mb temperature at Jackson, Miss., decreased (from 16°C to 11°C) and the dew point dropped (from 15°C to 1°C) during the 12-hour period ending at 1800, April 13. At the surface, the cold front had moved across Mississippi and northwestern Alabama by then, and a High developed covering an area extending from central Texas to central Mississippi (fig. 10*F*). Surface winds became predominantly northerly over the Mississippi-Alabama as the storm ended and clear weather returned.

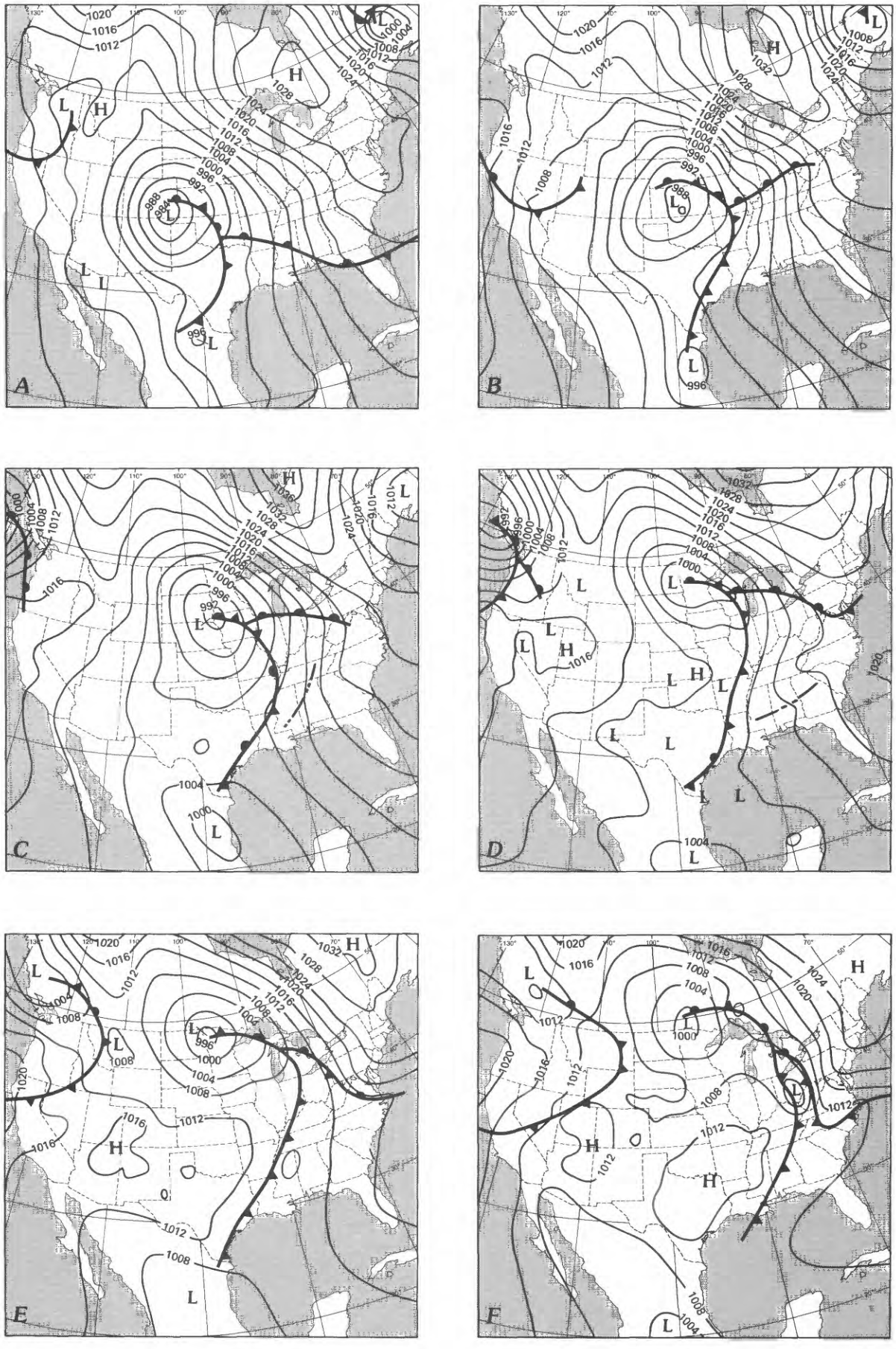
SATELLITE IMAGERY

A visible imagery photograph from GOES East taken at 0730 CST, April 12, with major features of the surface map superimposed, is shown in figure 12. The visible range photograph is the result of reflected sunlight sensed in the 0.55–0.70 μm band. Clouds, particularly large cumulonimbus towers with a reflectivity of 92 percent, appear very white on such photographs. Water surfaces, which are very poor reflectors, with a reflectivity of 9 percent, appear very dark. Between these two extremes are various shades of gray representing different surface reflectivity characteristics. It is evident that little active weather was associated with the stationary front that extended from Iowa, Illinois, Missouri, and Arkansas southwestward to the Texas coast. Most of the strong convective activity occurred along the squall line ahead of the front in the warm sector. At the time this satellite picture was taken, the very intense major burst of rain around Louisville, Miss., in the Pearl River headwaters was near its end, while heavy rain had just started to fall around Pickensville, Ala., in the Tombigbee River headwaters.

As the thunderstorm downdrafts were chilled by the evaporation of raindrops and became colder than the environment, the denser and colder airmass gradually spread out from the squall line to form a boundary. Such a boundary could assume the characteristics of a cold front and provide the necessary lifting to a warm, moist, convectively unstable maritime airmass coming in from the Gulf of Mexico. This would lead to condensation and continuous replenishment of cloud material and thus would prolong the rainfall. The narrow clear strip just ahead of part of the squall line in figure 12 represents such a boundary created by squall line downdrafts and raindrop evaporation (in this case, the boundary was not obscured by higher clouds). Ahead of this major squall line but oriented similarly, in the central Alabama–Georgia region, is a less well-defined clear strip. This represents a secondary squall line whose associated thunderstorm clouds are much thinner than those along the main squall line.

Two infrared pictures taken by the GOES East satellite are shown in figure 13. Every object having a temperature above absolute zero radiates electromagnetic energy in a spectrum that is a function of its temperature. The transfer of infrared radiation in clouds is dominated by water droplet absorption. If the liquid path through a cloud is greater than 30 gm^{-2}, which is the case for the great majority of clouds except thin cirrus and clouds with very high base, the cloud is optically thick. The intensity of the emitted radiation will be close to that given by the Planck's law at the cloud top temperature with no contribution from the underlying surface of the earth and internal cloud structure. The infrared sensor aboard GOES measures the outgoing long wave radiation emitted from the surface of the Earth in a cloud-free area and from the tops of clouds in the atmospheric transparent window band 10.5–12.6 μm. This radiametric information is eventually transmitted to a central facility in Marlow Heights, Md., where it is converted by computer processing into shades of gray. The computer is capable of producing and recognizing 255 distinctive shades between black and white. This is far beyond the ability of human eyes to distinguish and digest properly in an operational environment. Therefore, the infrared image is usually enhanced to facilitate interpretation. In the enhancement process, any shade of gray may be assigned to any temperature when more contrast is needed to highlight a certain temperature range of specific interest. Thus, the enhancement process increases the contrast between features of interest and their backgrounds. There are different enhancement curves designed for hurricane detection, for viewing convective activity, for determining the extent of ice and snow covers, for viewing coastal upwelling, and so on. The two photos in figure 13 were enhanced according to the Mb curve, whose specification is listed in "The GOES/SMS User's Guide" (NOAA and NASA, undated). The Mb enhancement gives good definition to the low and middle clouds, but its main purpose is to highlight convective thunderstorms. Cloud-top temperatures between −42° and −52.2°C are shown in light gray, between −53.2 and −58.2°C in dark gray, between −59.2 and −62.2°C in black, between −63.2 and −80.2°C in medium gray, and below −80.2°C (characteristic of overshooting cumulonimbus turrets) in vivid white.

The relationship between cloud-top temperature of convective thunderstorms and the amount of precipitation is complex and depends on many concurrent meteorological factors. Scofield and Oliver (1977), using the Mb-enhanced GOES infrared images, developed an empirical technique for estimating rainfall from short-lived isolated thunderstorms that produce heavy rain because of large updrafts. For thunderstorms in a saturated environment that is stationary over an area for more than 1 hour, as was the case for the storm over Louisville, Miss., on April 12, the rainfall rate will be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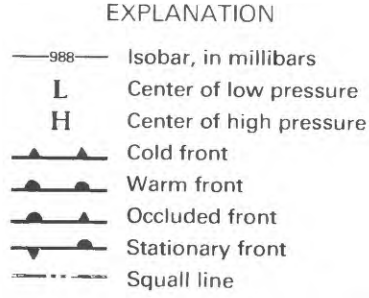


FIGURE 10.—Surface analyses. *A*, 0600 CST, April 11, 1979, *B*, 1800 CST, April 11, 1979. *C*, 0600 CST, April 12, 1979. *D*, 1800 CST, April 12, 1979.*E*, 0600 CST, April 13, 1979. *F*, 1800 CST, April 13, 1979.

greater than that expected from a short-lived storm, and adjustments must be made (Scofield and Oliver, 1980).

Qualitatively, an estimate of the amount of convective rainfall depends on cloud-top growth, the existence of any overshooting top cloud, the merge factor, the saturated environment factor, and the observed surface to 500-mb precipitable water. Heavy precipitation is associated with expanding, overshooting cold top, with the merging of cold tops, with persistent white contour over a geographical area, and with high precipitable water content in the atmospheric environment. Each of these empirical factors has its meteorological basis. For example, a convective storm with rapidly expanding cold top indicates strong rising motion and vigorous growth and, consequently, heavy rainfall. Another storm of exactly the same size but with contracting cold top is in a stage of dissipation. Rainfall rates of the two storms could differ by a factor of 20.

At 0000 CST on April 12, there were two cumulonimbus overshootings with cloud-top temperature less than −80°C over the State of Mississippi (fig. 13*A*). A smaller top in the northern part of the State covered areas of Yalobusha and Calhoun Counties. Sarepta 1NNE (34°08′ N., 89°17′ W.), in Calhoun County, had 2.1 in. of rain during the first hour of April 12. The much more extensive overshooting tops were in north-central Mississippi and covered Winston, Attala, and Holmes Counties and adjacent areas to the north. By 0230 these two tops had merged and expanded northeastward into northwestern Alabama (fig. 13*B*). At this time, Louisville, Miss. (33°08′ N., 89°04′ W.), in Winston County had already received 3 in. of rain, while at Pickensville 1E, Ala. (33°14′ N., 88°16′ W.), rain had just begun to fall. The great expansion of the white top area in the 2½-hour period indicates vigorous growth of convective storm activity as the Pearl, Noxubee, and Tombigbee River headwaters were inundated with heavy rainfall.

PRECIPITATION DISTRIBUTION

Rain began to fall over western Mississippi on the evening of the 11th. As warm, moist maritime air converged into the warm sector and was lifted, numerous thundershowers occurred in the unstable environment, and some cumulonimbus turrets reached to a height of 15 km along the squall line. By midnight, the rain had extended over central and northern Mississippi. Heavy rains were falling over the headwaters of the Pearl, Noxubee, and Tombigbee Rivers, and by the morning of the 12th, rain had spread to adjacent areas of Alabama. The time distribution pattern demonstrates that two different rainfall intensities existed over the Pearl River headwaters. Starting late on the night of the 11th, and mainly during the early morning of the 12th, extremely intense rain fall; this was followed by prolonged heavy rain ending early on the morning of the 13th. For example, Louisville, Miss., in a 31-hour period ending at 0400 on April 13, had a total of 18.7 in. of rain, but 9.1 in. of this fell during a 5-hour period ending at 0600 on the 12th. Over the Tombigbee and Alabama Rivers headwaters farther to the east, rain began and ended later,

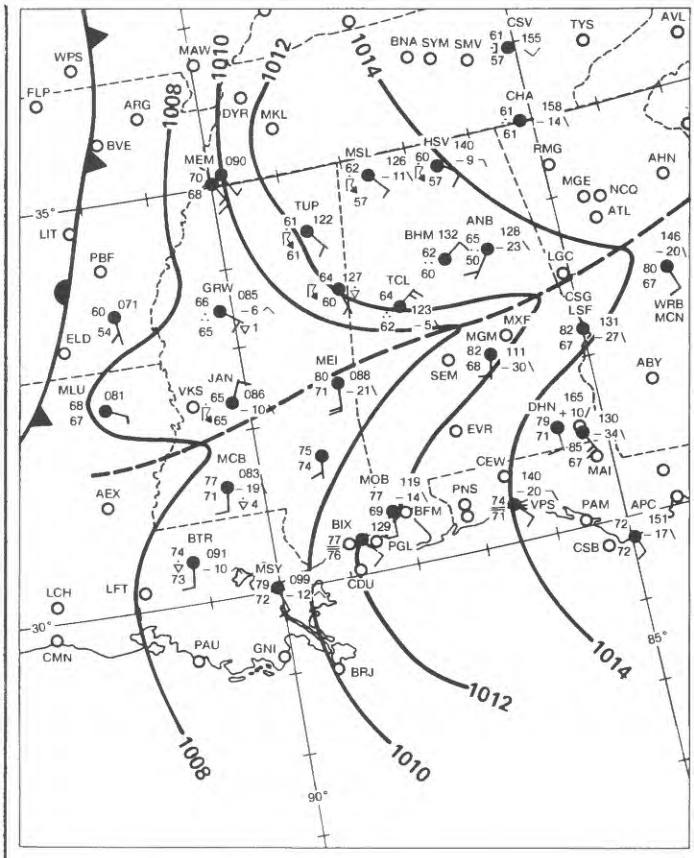


FIGURE 11.—Analysis of hourly observations at 1500 CST, April 12, 1979. The deep surface trough extending across the central region of Mississippi and Alabama is a major feature.

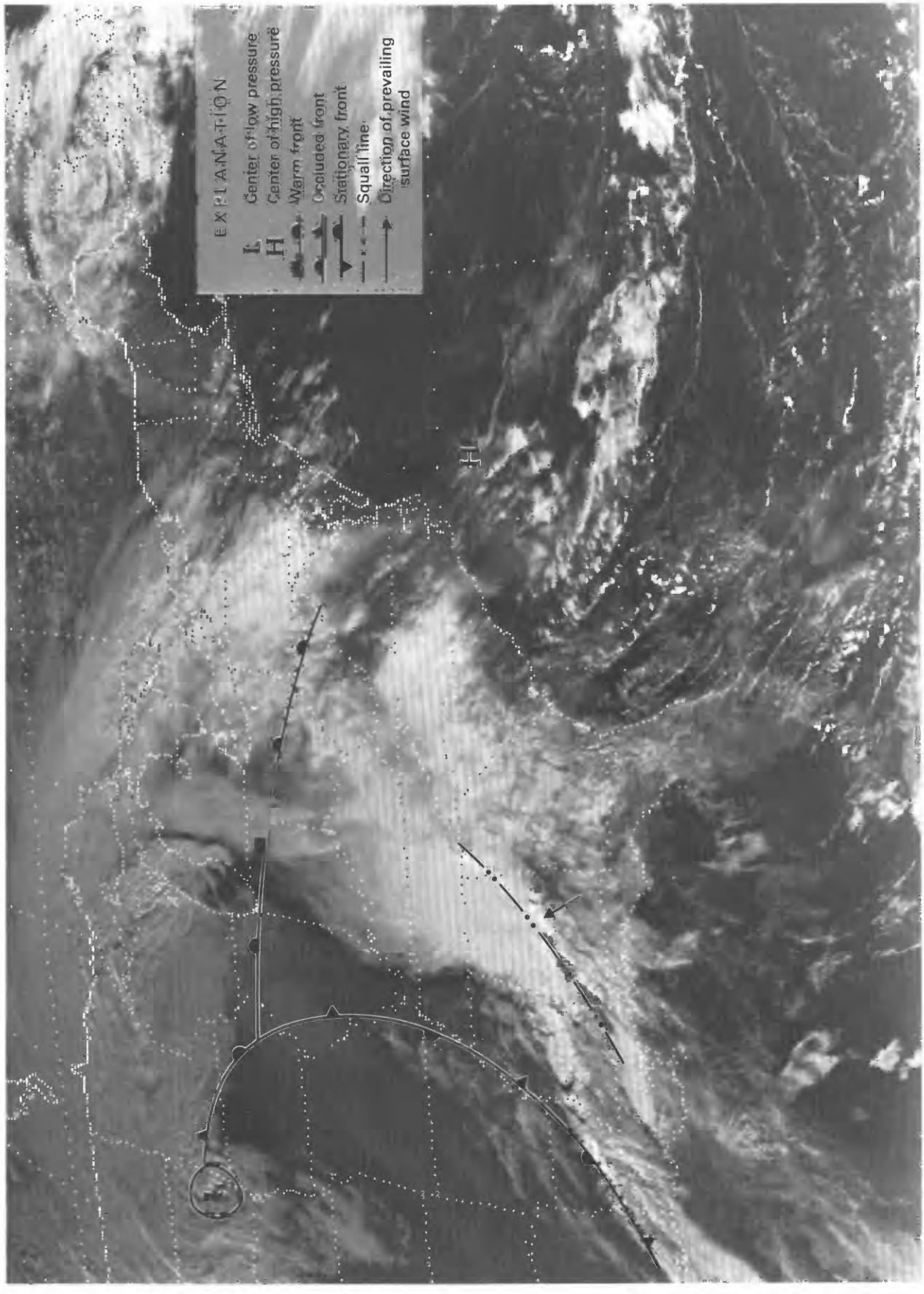


FIGURE 12.—GOES visual image for 0730 CST, April 12, 1979, with major features of surface weather map superimposed.

and differences in the rainfall intensity pattern became less distinguishable.

Radar summary maps of the United States east of 100° W. for 0535 and 1435 CST, April 12, are shown in figures 14*A* and 14*B*. At 0535 CST, a solid line of echoes in intensity 5, corresponding to a rainfall rate of 4.5–7.1 in./hour, extended from southeast of Louisville, Miss. (38°08′ N., 89°04′ W.), through north-central Alabama. This was near the end of the period when torrential rain had been falling at Louisville 14SE, Miss. At 1435, a closed area with echo intensity 3, representing a rainfall rate of 1.1–2.2 in./hour, over east-central Mississippi and north-central Alabama corresponded to the area north of the trough line in figure 11 where rain was prevalent. A cumulonimbus tower having a cloud-top height greater than 15 km was located near the maximum precipitation center just to the southeast of Louisville, Miss.

As the heavy rain progressed eastward into northwestern Alabama, by 0600 CST, April 12, the squall line reached a position extending from northeastern Alabama to southwestern Mississippi. By 0800, precipitation had reached all of Alabama except the southeast and coastal areas. The headwaters of the Black Warrior, Coosa, and Tallapoosa Rivers in central Alabama had been receiving considerable rain. By late morning, moderate rain began to spread over northwestern Georgia. Rawinsonde observations for Jackson, Miss., and Centreville, Ala., for 1800 on April 12 are shown in figures 15*A* and 15*B*. The K indices associated with the soundings were 38 and 39 for Jackson and Centreville, respectively, indicating a thunderstorm probability of 80–90 percent. The wind shears through the cloud layer for both soundings were weak, a condition favoring a longer mature stage once a thunderstorm formed. At 1800 on the 12th, storm precipitation had occurred and was near its end at Jackson but was still in progress around Centreville.

Most of the rain of the storm fell on the 12th and was a consequence of thundershowers associated with a major squall line. The rain continued over the entire north-central portion of the two-State region throughout the 12th, with only occasional respite before tapering off. Rain essentially ended in Mississippi by noon of April 13, but continued into the afternoon over some areas of Alabama. Heaviest rain occurred in east-central Mississippi near Louisville, Miss., in the headwater region of the Pearl and Noxubee Rivers. Isohyetal analysis of the total storm rainfall is shown in figure 16. The maximum point rainfall of more than 21.5 in. in about 32 hours was located 14 miles east-southeast of Louisville, Miss. Areal average rainfall over the Pearl River headwaters above Carthage amounted to more than 12 in. Louisville itself, which is 80 miles northeast of Jackson, Miss., received a storm total of 18.7 in. Jackson recorded a storm total of 8.60 in., of which 4.16 in. fell in the 1-hour period ending at 2300 on April 11. The monthly total rainfall of 14.38 in. was 9.73 in. above normal and made April 1979 the wettest April on record for Jackson. To the south of Jackson, the storm rainfall decreased rapidly, dropping to 3 in. about 35 miles southward and to only 0.7 in. at Brookhaven, 52 mi. south by west from Jackson. Very little rain fell over the southern one-third of the Pearl River basin. A secondary precipitation maximum of 17.3 in. was located 1 mile east of Pickensville, Ala., in the headwaters of the Tombigbee River, just across the Mississippi border in central Alabama. The areal average rainfall over the Tombigbee River basin above Livingston exceeded 8 in. It should be pointed out that both the primary and secondary point maxima of 21.6+ in. and 17.3 in. far exceeded the 100-year 4-day rainfall of 13 in. over the region (Miller, 1964).

In figure 16, it is seen that the axis joining the primary precipitation center at Louisville 14 SE, Miss., and the secondary center at Pickensville 1E Ala., was nearly zonal and took a direction southwest-northeast. So was the orientation of the area receiving 6 in. or more of rain. This phenomenon could be explained by the fact that during the early morning of the 12th, the very intense thunderstorms that brought heavy rain over Louisville, Miss., took a nearly eastward track. Furthermore, the instability line over central Mississippi and Alabama, along which the incoming maritime air was lifted and processed into rainfall, was alined along a surface trough that had a zonal orientation throughout the late morning and afternoon of the 12th.

Selected rainfall mass curves are shown in figure 17. Time distributions of rainfall for the two reported rainfall maxima at Louisville 14 SE, Miss., and Pickensville 1E, Ala., were estimated using data from the nearest recording gages. Supplementary rainfall data for the storm of April 11–13 are published in table 1 (at end of report) for convenient reference.

Later in the month rain fell again, over Mississippi during the period April 21–23 and over Alabama on April 24–26. The area receiving the most rain was the lower Pearl River drainage basin, where very little or no rain fell during the major storm of April 11–13. A maximum of 6.4 in. was reported at Ruth, Miss., about 65 miles south of Jackson. However, when averaged over the still-flooded areas of the two-State region, less than 2 in. was added. The main effect of this postflood rain was to retard floodwater recession and thus to prolong the period of flooding. The Pearl River at Monticello, Miss., was above flood stage for 27 days during the month of April, returning to its normal channel in early May.

GENERAL DESCRIPTION OF FLOODS

The area affected by the floods of March–April 1979 in Alabama, Mississippi, and adjacent parts of Georgia and Louisiana is shown in figure 1. Streams throughout the area were high in early March as a result of storms

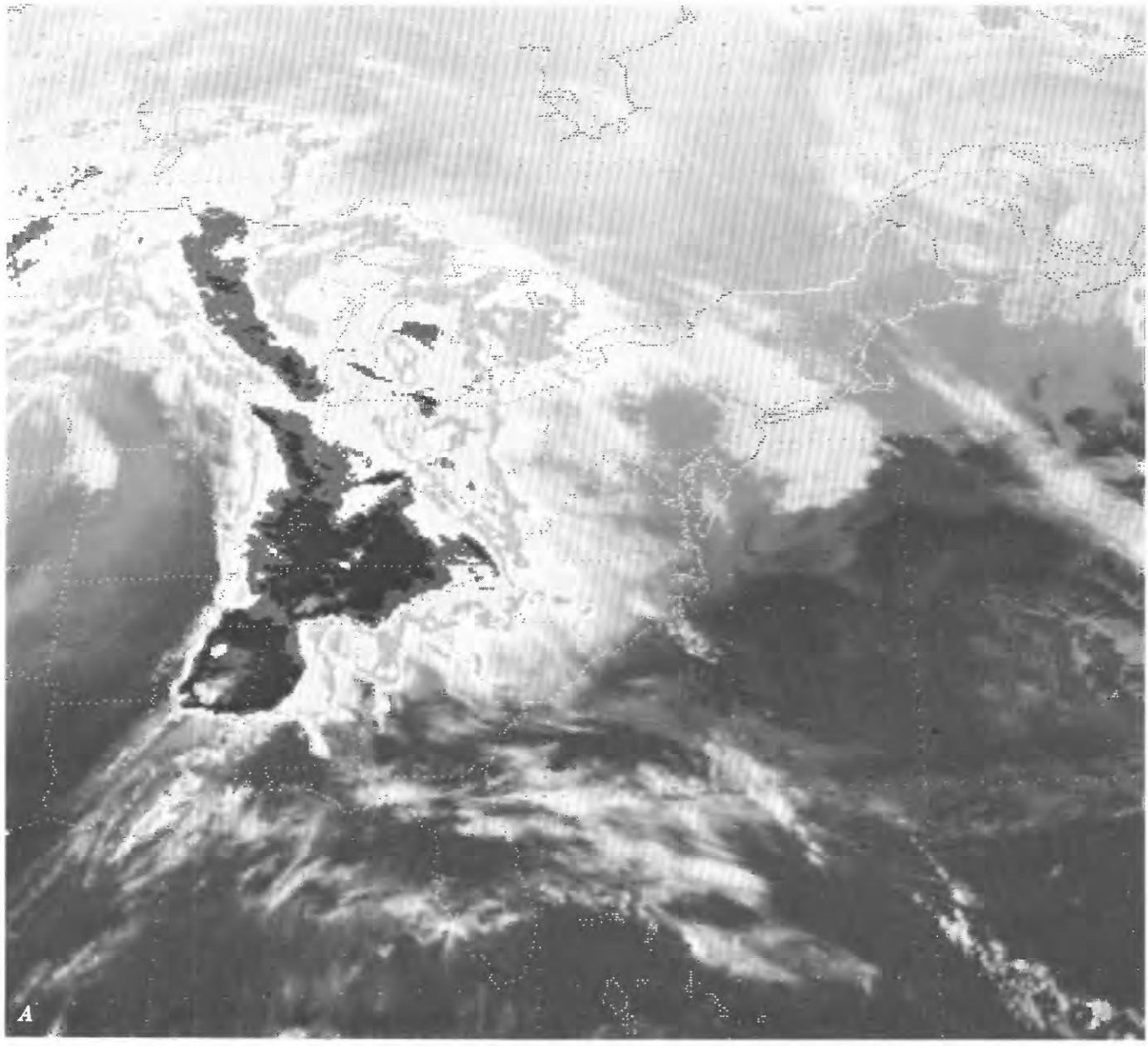


FIGURE 13*A*—GOES infrared images enhanced by Mb curve: 0000 CST, April 12, 1979.

centered over the Chunky River basin in east-central Mississippi and the Satilpa Creek basin in west-central Alabama. Successive storm periods in March and April over central Alabama and Mississippi increased soil moisture conditions favorable for high runoff yields and culminated in widespread, recordbreaking floods in mid-April.

Data at 221 streamflow gaging sites are presented in table 2 (at end of report). The first column in table 2 lists a number assigned to each site, for use only in this report. For convenience, these site numbers are used throughout this report in illustrations, tables, and discussions.

Flood data in table 2 are presented in the downstream order used in the annual water-resources data reports. Gaging station records are listed in a downstream direction along the mainstream, and stations on tributaries are listed between stations on the mainstream in the order in which those tributaries enter the mainstream. Stations on tributaries entering above all mainstream

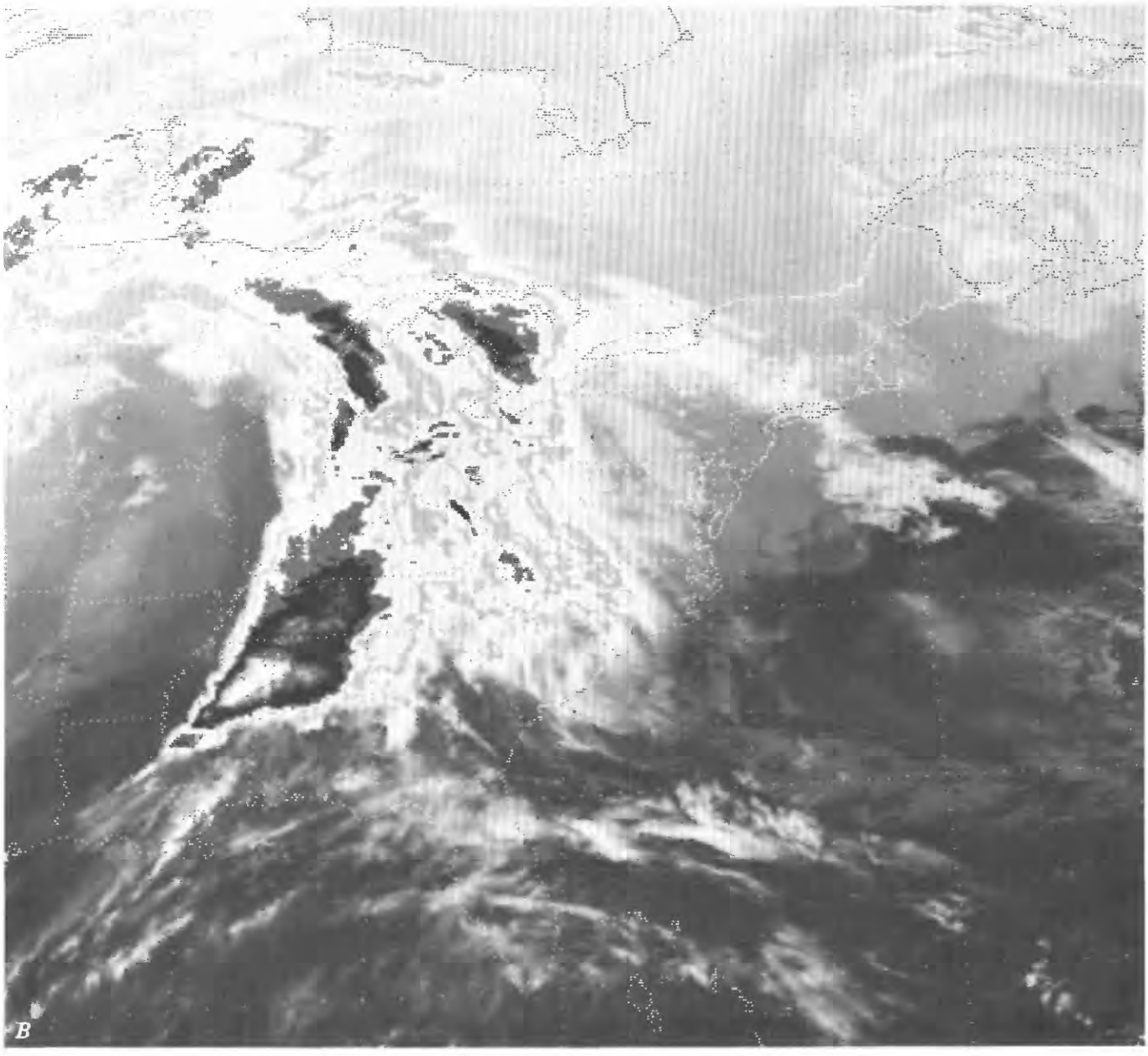


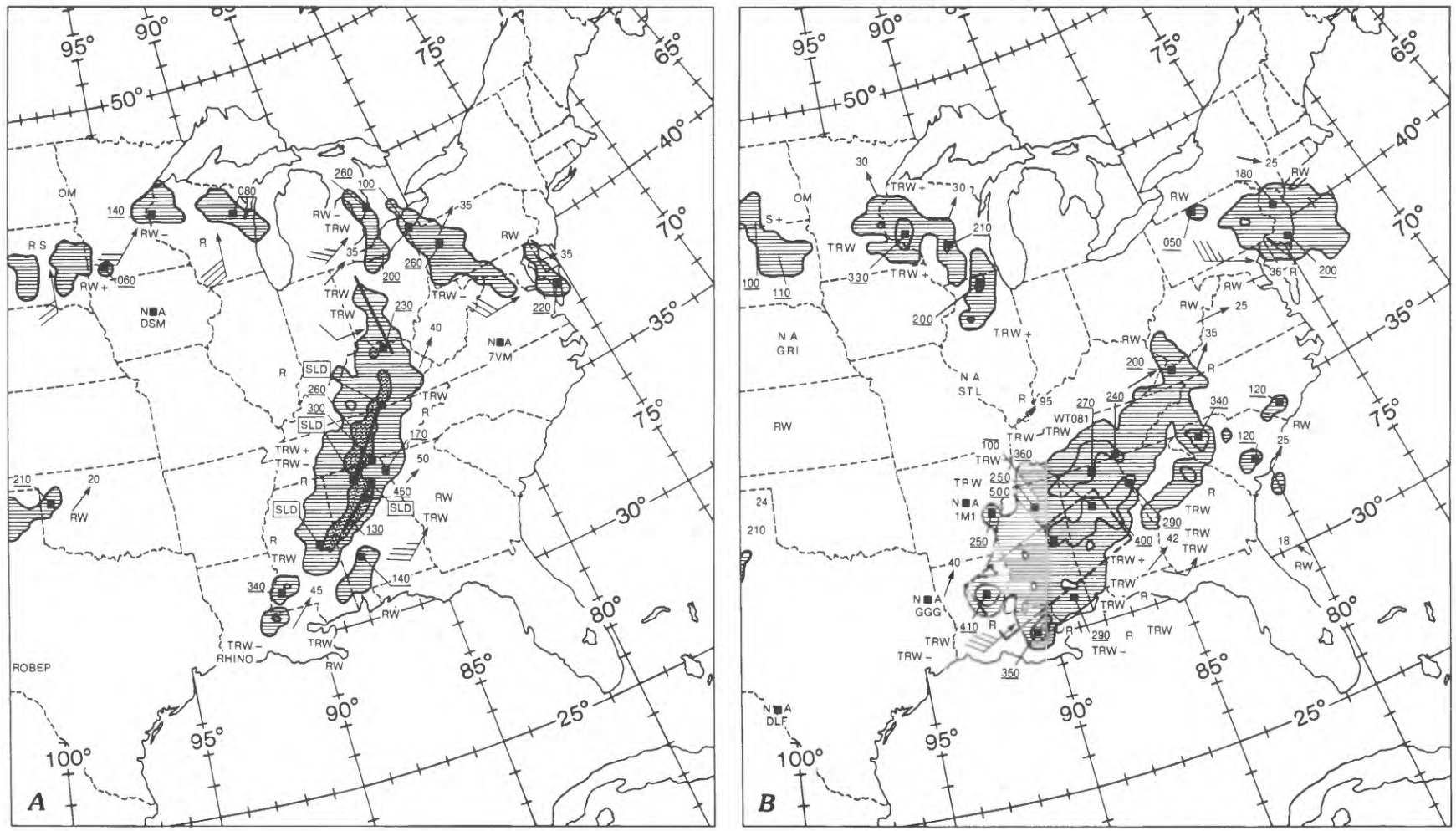
FIGURE 13*B*—GOES infrared images enhanced by Mb curve: 0230 CST, April 12, 1979.

stations are listed before the first mainstream station. Stations on tributaries to tributaries are listed in a similar manner.

Each gaging station has been assigned a permanent station number (column 2) conforming to the downstream order. The 8-digit permanent station number (for example 02441500) includes a 2-digit part number ("02") plus a 6-digit "downstream order number" ("441500"). In this report, the records are listed in downstream order by part. The part number refers to an area whose boundaries coincide with certain natural drainage lines. Records in this report are in Part 2 (South Atlantic slope and Eastern Gulf of Mexico basins) and Part 7 (Lower Mississippi River basin).

Datum of gage above National Geodetic Vertical Datum (NGVD) is the elevation of the "zero" reading of the gage.

The location of each gaging station site is shown in figure 18. The site numbers on that map correspond to those in table 2.



Echo areas. Contours at intensities 1–3–5.

340 Tops shown by underline. Number indicates 100's of feet

100 Bases shown by overline. Number indicates 100's of feet

Movement-areas. Increasing shown by lines

Decreasing shown by pennants

20 / RW+ Movement-cell showing: speed, number; precipitation type, letters; and change of intensity, (+) new or increasing, and (−) decreasing

Weather watch box

SLD Echo is solid

R Rain

RS Rain and snow

RW Moderate rainshower

TRW Moderate thunderstorm

TRW+ Heavy thunderstorm

TRW- Thunderstorm apparently weakening

STL Three-letter symbols refer to station names used by National Weather Service. For other symbols, refer to speciman station model in daily weather maps published by National Oceanic and Atmospheric Administration.

FIGURE 14.—Radar summary map: *A*, 0535 CST, April 12, 1979. *B*, 1435 CST, April 12, 1979.

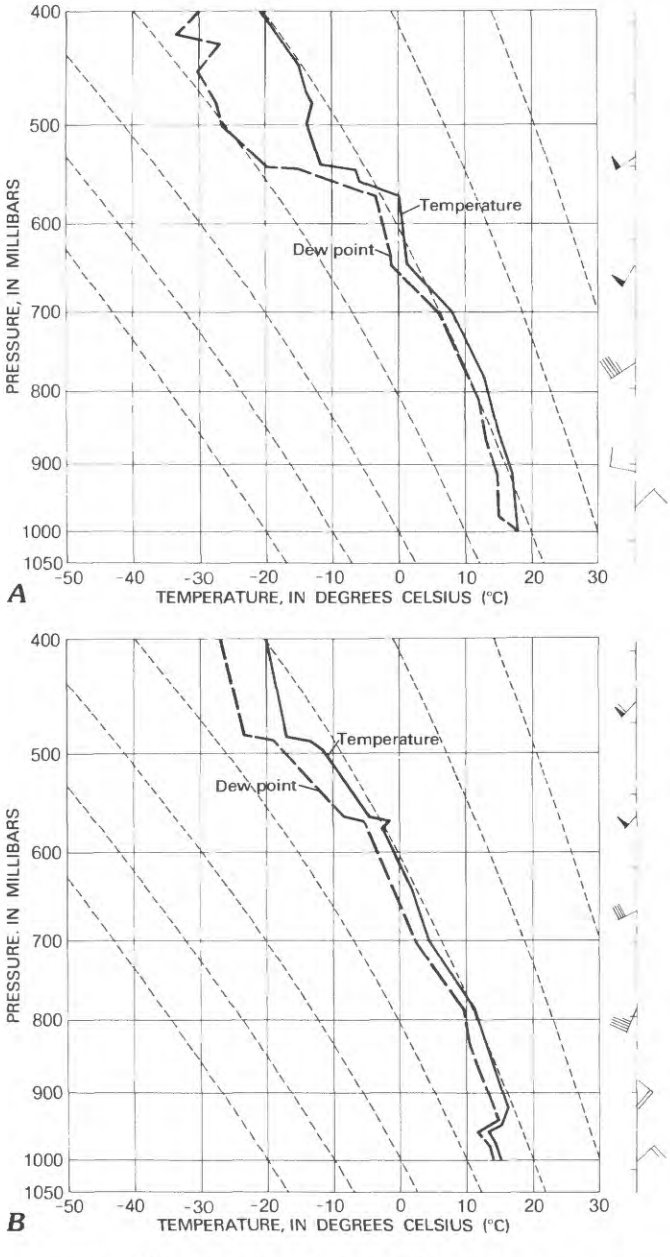


FIGURE 15.—Rawinsonde plot, 1800 CST, April 12, 1979. *A*, Jackson, Miss. *B*, Centreville, Ala.

MAGNITUDE OF FLOODS

Peak discharges at about one-fourth of the streamflow stations were the greatest recorded since the stations were established. In the Pearl River basin above Jackson, record floods occurred at most gaged sites. Figure 19, which relates flood discharge rates to corresponding drainage areas, provides a comparison of flood discharges in 1979 with those of the greatest known floods in the area. Curves A and B (fig. 19), developed by Crippen and Bue (1977), are defined by the greatest known floods through September 1974, in areas above and below the fall line, respectively, in the regions that include the area of this report. The curves provide a guide for estimating potential maximum floodflows. Curve C (fig. 19) is an enveloping curve through the greatest discharge rates during the 1979 floods. The curves indicate that floods generally about one-third greater than those in 1979 may occur in large basins and that floods two or three times greater may occur in small basins. However, the all-season probable maximum precipitation (PMP) over the central Mississippi-Alabama region is 27 in. in 72 hours over a 5,000-square-mile area (Schreiner and Riedl, 1978). Therefore, potential floods much greater than those observed in April 1979 or those indicated by an envelope curve of historic floods are likely to occur if precipitation is near or equal to the magnitude of the PMP.

FLOOD DAMAGES

Flood damages provide a measure of the relative magnitude of floods. Exact amounts of flood damage for this flood, which extended over a wide area, are not known. Estimates of flood damage were obtained from the U.S. Army Corps of Engineers, Mobile District (1980a), and Vicksburg District (1980b). Summaries of estimated damages on main streams and principal tributaries for the floods of March and April 1979 are shown in table 3 (at end of report). In the area of this report, estimated flood damages were $41,916,000 for March 1979 and $344,239,000 for April 1979.

During April 1979, 75 percent of the total flood damage occurred in the Pearl River basin, and 65 percent of the total damage occurred in Jackson, Miss., and vicinity (Hinds and Rankin Counties).

At least nine lives were lost.

The Federal Emergency Management Agency reported that within the areas declared eligible for Federal disaster relief assistance, 5,549 flood insurance policies were in force in Mississippi, with $130,076,100 of coverage, and 1,450 flood insurance policies were in force in Alabama, with $45,853,000 of coverage, prior to the April 1979 flood.

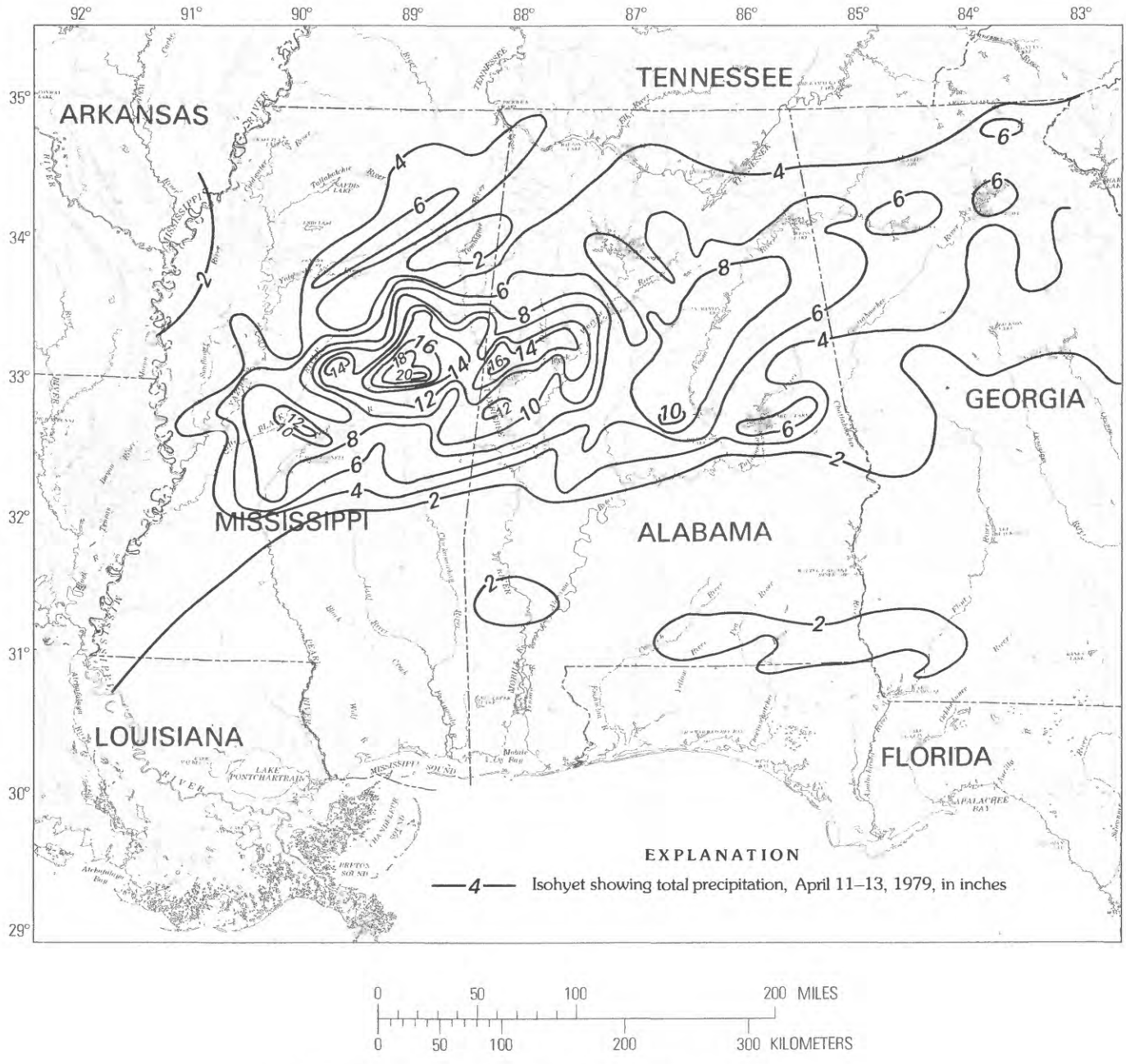


FIGURE 16.—Isohyetal analysis of storm rainfall, April 11–14, 1979.

FLOOD FREQUENCY

Knowledge of the magnitude and probable frequency of recurrence of floodflows is useful in designing and locating structures to be situated on the flood plain so as to minimize flood losses and in providing a technical basis on which to develop criteria for flood-plain management.

Frequency of flooding was derived from a statistical evaluation of historical records of floodflows from a network of streamflow gaging stations distributed throughout the flood area (fig. 18). The techniques generally used to determine flood-frequency relations are those described by the U.S. Water Resources Council (1977). Recurrence intervals at most sites in Mississippi were obtained from flood-frequency relations described

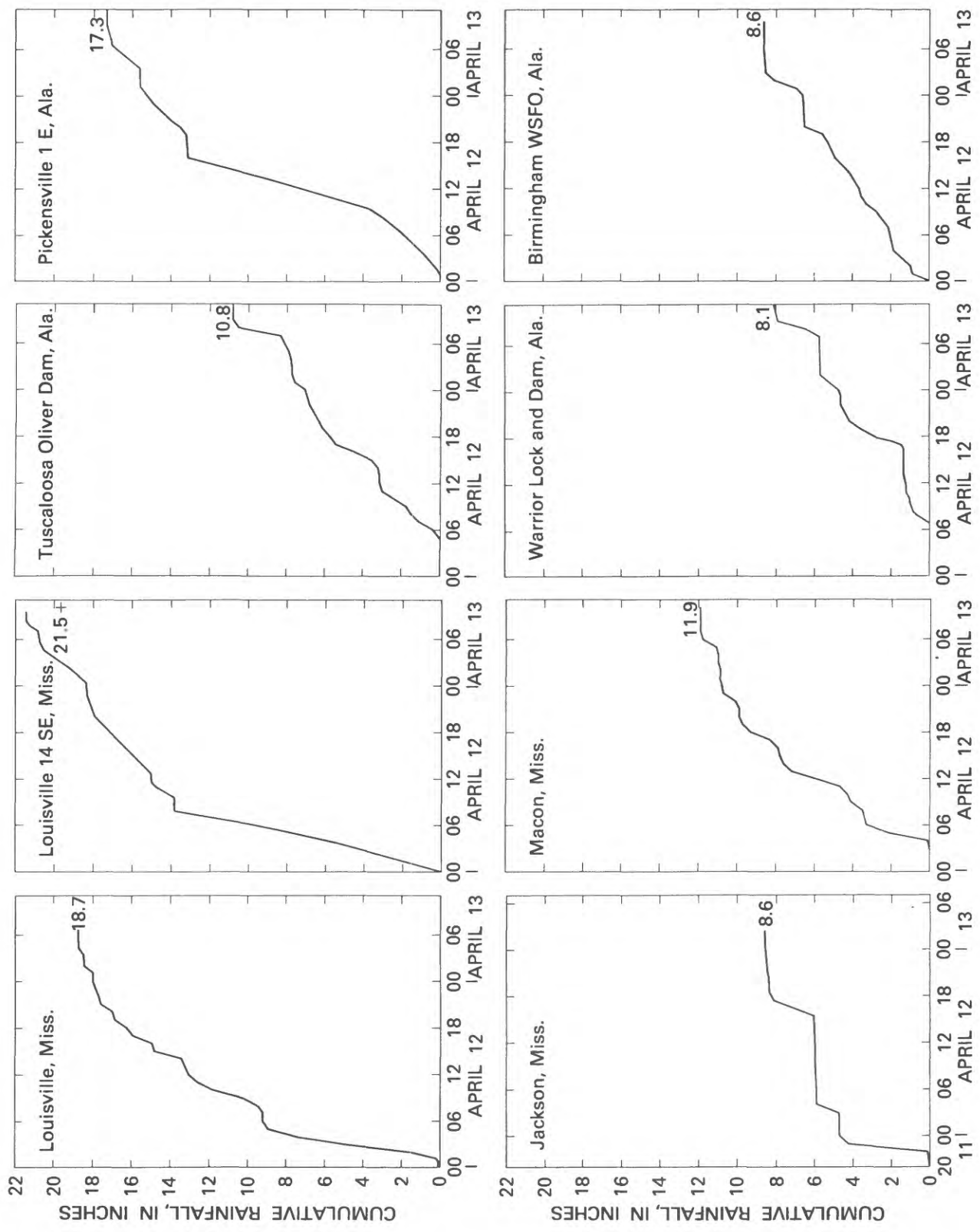


FIGURE 17.—Rainfall mass curves.

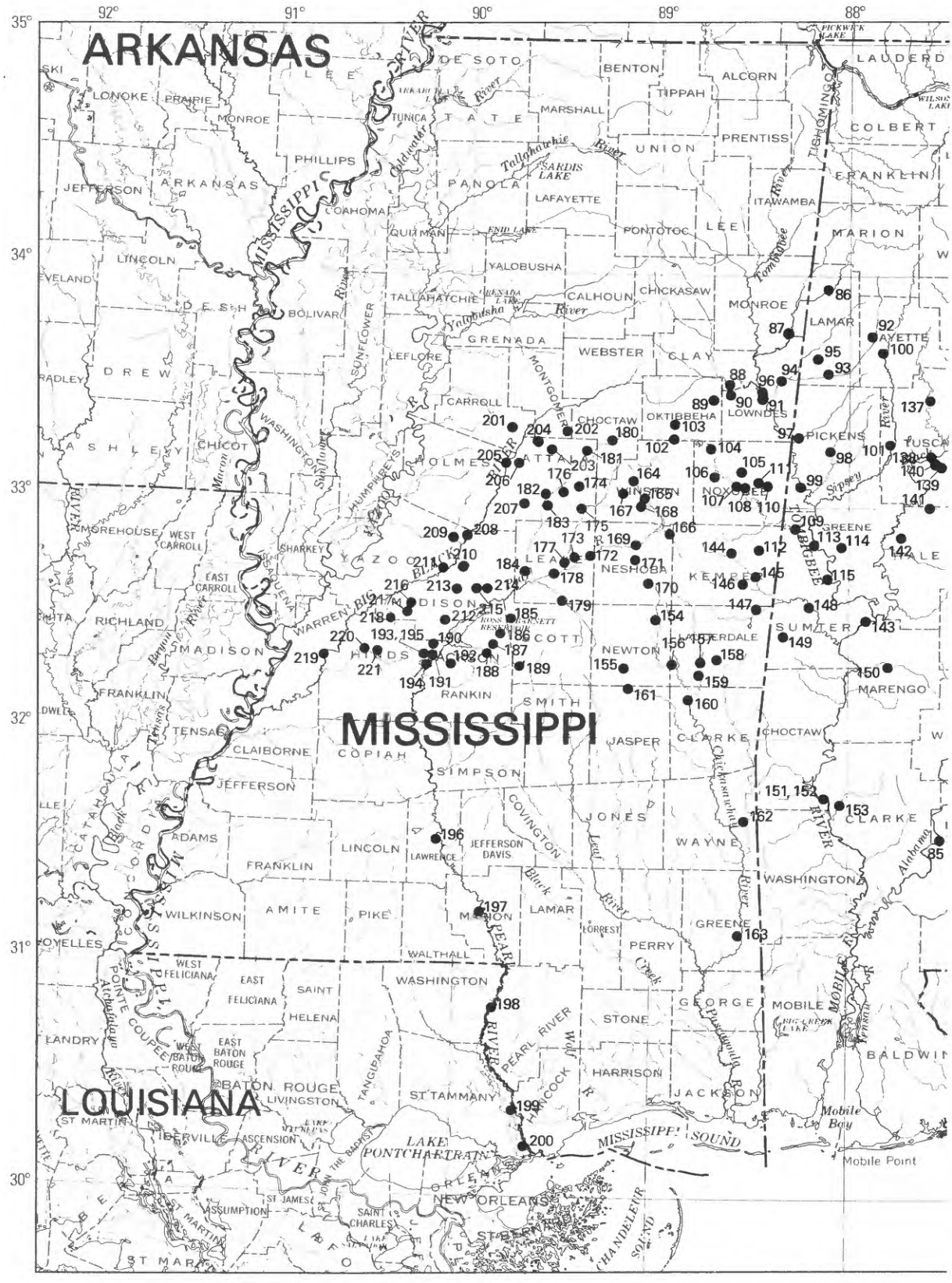


FIGURE 18.—Location of flood determination sites.


87°
86°
85°
84°
83°
SC
GEORGIA
ALABAMA
FLORIDA
EXPLANATION
84 Flood determination point. Number corresponds to that in table 2.
0 50 100 200 MILES
0 50 100 200 300 KILOMETERS

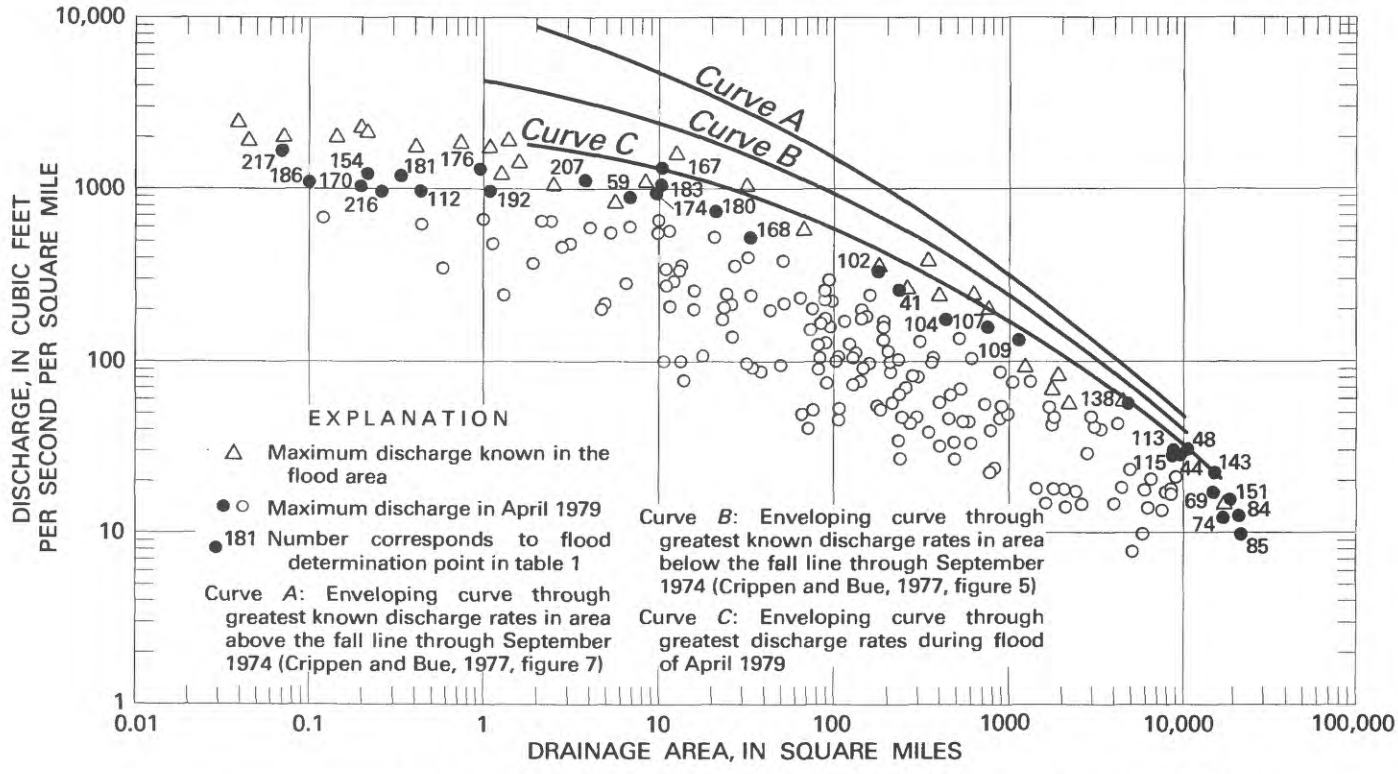


FIGURE 19.—Comparison of April 1979 peak discharges with maximum known flood peaks in Mississippi and Alabama.

by Colson and Hudson (1976), and in Alabama by Olin and Bingham (1977). At sites where the 1979 flood events significantly affected flood-frequency relations, 1979 peak discharges were combined with those of other floods to determine the floodflow potential.

Recurrence interval, as applied to flood events, is the average number of years within which a given flood peak will be exceeded once. Frequencies of floodflows may also be stated in terms of their probabilities of occurrence, which for large floods are virtually the reciprocals of the recurrence intervals. Thus, a flood with a 25-year recurrence interval would have a 4-percent chance of being exceeded in any given year, and a flood with a 100-year recurrence interval would have a 1-percent chance of being exceeded in any given year. Recurrence intervals are average figures—the average number of years that will lapse between occurrences of floods that exceed a given magnitude. The occurrence of a major flood in one year does not reduce the probability of that flood being exceeded in the next year, or later in the same year.

In the area of this report, the lengths of available streamflow records generally are adequate to reliably define flood-frequency relations for recurrence intervals of up to 100 years. The 100-year (1-percent chance) flood discharges at most sites are shown in table 2 for comparison with the discharges of the March–April 1979 floods. The 100-year flood discharge is not shown for sites with less than 10 years of record or for sites on streams materially affected by regulation or diversion.

Estimates of 100-year discharges for some streams in small drainage basins were based both on observed peak discharges and on synthetic discharge data generated with a calibrated rainfall-runoff model. Peak discharges based on modeling techniques are identified in table 2 by appropriate footnote.

RESERVOIRS

Many reservoirs are located on the main stems of the Coosa, Tombigbee, and Alabama Rivers. A summary of stages and contents of selected reservoirs in the Coosa, Tallapoosa, Black, Warrior, Chickasawhay, and Pearl River basins is presented in table 4 (at end of report).

Many relatively small Soil Conservation Service flood-control reservoirs are located in the Tombigbee, Pearl, and Black River basins. Emergency spillways of some of these reservoirs were overtopped. The Soil Conservation Service reports that substantial reductions of peak stages existed in the reaches just below the reservoirs. Storage in the reservoirs in the Pearl River basin, about 18,000 acre-feet, had little effect on Pearl River at Jackson, which discharged about 250,000 acre-feet per day for several days.

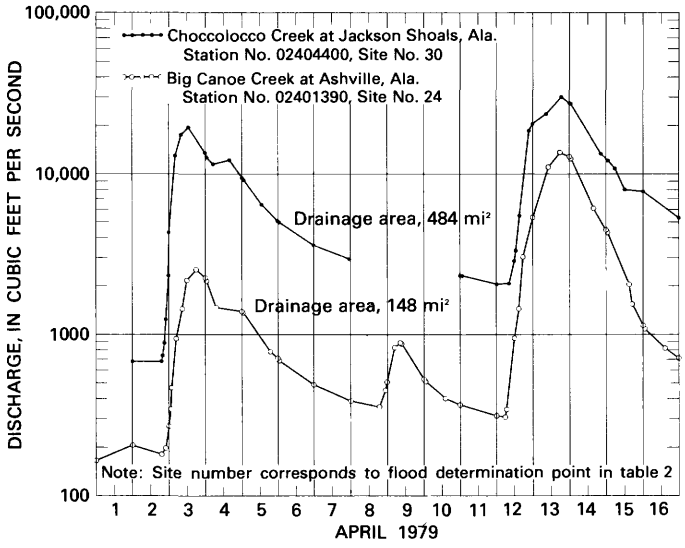


FIGURE 20.—Discharge at gaging stations in the Coosa River basin in Alabama, April 1-16, 1979.

Bluff and Loakfoma Lakes, adjacent lakes in the Noxubee National Wildlife Refuge, 38 miles upstream from Macon, Miss., were washed out near the crest of the flood. They are shallow lakes located on the Noxubee River flood plain. Estimated total storage is less than 5,000 acre-feet. Levees surrounding the two lakes developed six crevasses during the flood.

Storage in Okatibbee Reservoir on Okatibbee Creek near Meridian, Miss., during both the March and April floods caused substantial reductions in peak stages along Okatibbee Creek and upper Chickasawhay River, according to the U.S. Army Corps of Engineers. Okatibbee Reservoir crested March 5 at elevation 350.7 feet (table 4), fell to 341.9 feet April 1, and crested again April 15 at 355.2 feet (3.8 feet below the crest of the emergency spillway). The peak inflow of 15,100 ft³/s April 13 was reduced to an outflow of 1,240 ft³/s, according to the U.S. Army Corps of Engineers.

The Ross Barnett Reservoir on the Pearl River just upstream from Jackson, Miss., is primarily a water-supply and recreation reservoir with a relatively small capacity for storing floodflows. On April 14, prior to the arrival of the flood crest, the reservoir was drawn down to pool elevation of 296.5 feet. Floodwaters were stored in the reservoir, and on April 16 the pool elevation crested at 299.8 feet. This represented an increase in storage of about 120,000 acre-feet during the passage of the flood wave.

MAJOR RIVER BASINS OF EASTERN GULF OF MEXICO

COOSA RIVER BASIN

Recurrence intervals of peak discharges in the Coosa River basin in Georgia, upstream from Weiss Reservoir, were in the 10- to 20-year flood range. Little River, just upstream from Weiss Dam in Alabama, had a peak discharge slightly less than that of the 100-year flood.

Severe flooding occurred along the Coosa River and its tributaries downstream from Weiss Dam near Centre, Ala., to its confluence with the Tallapoosa River near Montgomery, Ala. Along the Coosa River main steam, recurrence intervals of peak flows were approximately 5 years at Gadsden (site 22), 50 years at Childersburg (site 35), and more than 100 years at Jordan Dam (site 48). Tributaries to the Coosa River between Weiss Dam and Jordan Dam near Wetumpka, Ala., recorded peak discharges generally approaching 100-year floods. An exception was Hatchet Creek basin, where peak flows were nearly double those of a 100-year flood.

Hydrographs of discharge April 1-16, 1979, at streamflow gaging stations on Big Canoe Creek at Ashville, Ala. (site 24), and Choccolocco Creek at Jackson Shoals, Ala. (site 30), are shown in figure 20.

TALLAPOOSA RIVER BASIN

The flood of April 1979 in the Tallapoosa River basin was characterized by heavy rainfall and high runoff yields. The combination of high antecedent streamflow, saturated soils, and intense rainfall resulted in widespread flooding. At the gaging station, Tallapoosa River at Wadley, Ala. (site 57), a new maximum (period 1924-79) occurred on March 4, 1979, and that in turn was exceeded by the April 14, 1979, flood peak. Lesser peaks occurred April 3, 4, and 9.

In the Alabama counties of Clay, Randolph, and Tallapoosa, peak discharges were in the 100-year flood range. The high unit runoff in this part (middle third) of the basin is documented at two discontinued gaging stations. Harbuck Creek near Hackneyville, Ala. (site 59), and Hillabee Creek near Hackneyville, Ala. (site 60).

Along the main stem Tallapoosa River, the peak discharge at Heflin, Ala. (site 51), was that of a 25-year flood, and at Wadley, Ala. (site 57), was greater than the 100-year flood. The peak discharge passing Martin Dam (site 63), 142,000 ft³/s, attenuated to 128,000 ft³/s at the gaging station Tallapoosa River below Tallassee, Ala. (site 64), which equaled the February 1961 flood and was exceeded only by the December 1919 flood (the highest since 1886).

Hydrographs of discharge of the Tallapoosa River, April 3-22, at gaging stations near Heflin, Ala., and at Wadley, Ala., are shown in figure 21.

ALABAMA RIVER BASIN

The combined flows of the Coosa and Tallapoosa Rivers resulted in a peak discharge in the 50-year frequency range on the Alabama River at Montgomery,

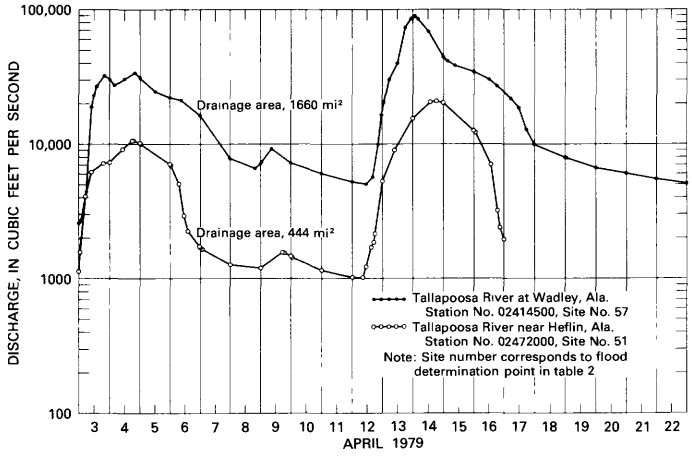


FIGURE 21.—Discharge at gaging stations in the Tallapoosa River basin in Alabama, April 3-22, 1979.

Ala. (site 68). The April 1979 peak discharge at the gaging station near Montgomery (site 69) was exceeded only by the April 1, 1886, March 3, 1888, and February 26, 1961, floods. The April 1979 flood was the fourth highest flood since 1833.

Discharge of the Alabama River was measured near the peak on April 18, 1979, at Selma, Ala. (site 74). The measured discharge (less than the peak discharge) was within 10 percent of the 50-year flood at Selma. This discharge was exceeded only by the floods of March 1, 1961, and April 8, 1886.

Peak discharge at the most downstream gaging station at Claiborne, Ala. (site 85), was the fourth highest peak since 1886 and was in the 25-year flood range.

In the Cahaba River basin, in central Alabama, flood magnitudes varied widely. Recurrence intervals of peak discharges on Shades Creek, a tributary to the Cahaba River upstream from Centreville, draining part of the urban and industrial areas of Birmingham, ranged from about 10 years in the upstream part of the basin to 100 years downstream from Greenwood in the lower part.

Peak discharges on the Cahaba River at Centreville (site 79) and Marion Junction (site 81) were the fourth greatest floods during the period of record (1902-1979) and were in the 25-year flood range.

Hydrographs of discharge at gaging stations on the Cahaba River near Cahaba Heights, at Centreville, and near Marion Junction, Ala., were shown in figure 22.

TOMBIGBEE RIVER BASIN

TOMBIGBEE RIVER UPSTREAM FROM GAINESVILLE, ALA.

In the Tombigbee River basin, the greatest rains fell in the middle third. Severe flooding occurred along the Tombigbee River from Columbus, Miss., downstream to the mouth and on tributaries upstream from Choctaw County, Ala. Upstream from Columbus, Miss., flooding was not severe. Tributaries in northern Alabama flowing westward into Mississippi, the Buttahatchee River and Luxapallila Creek, experienced only minor flooding in the upstream reaches.

Recorded peak discharges on the Buttahatchee River were in the 2-year frequency range. In the adjacent basin to the south, Luxapallila Creek, a major left-bank tributary of the Tombigbee River at Columbus, Miss., had a peak flow of 40,400 ft³/s, with a recurrence interval greater than 50 years at the gaging station near Columbus (site 96). Yellow Creek, which flows into Luxapallila Creek just downstream from the Steens, Miss., gaging station contributed substantially to the floodflow.

Along the main stem Tombigbee River, peak discharges upstream from Cochrane, Ala., were in the 10-year range. In contrast, the peak discharge at Gainesville, Ala., augmented by inflow between Cochrane and Gainesville, exceeded that of a 100-year flood and was the greatest known since at least 1892.

Tributary inflow between Cochrane and Gainesville was documented at two gaging stations—Sipsey River near Elrod, Ala. (site 101), and Noxubee River near Geiger, Ala. (site 109).

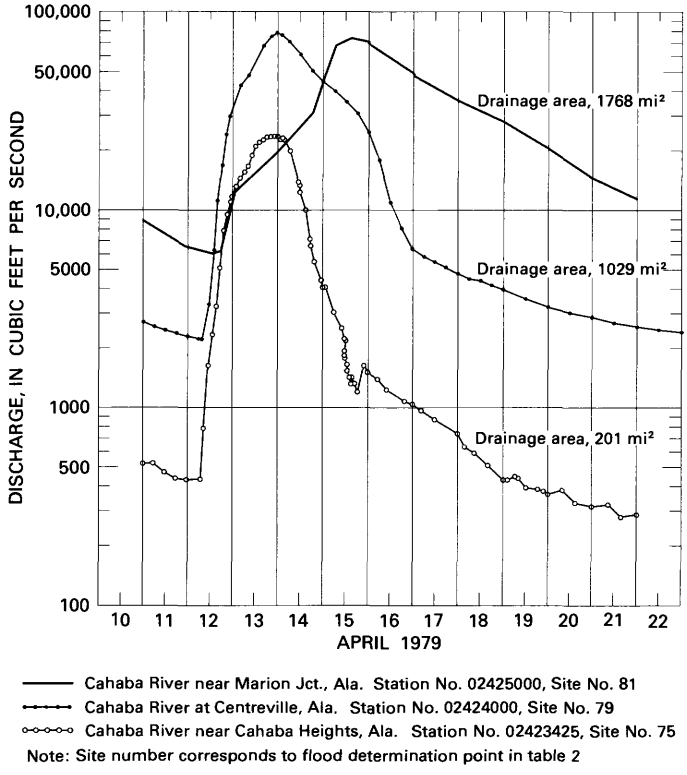


FIGURE 22.—Discharge at gaging stations in the Cahaba River basin in Alabama, April 10-22, 1979.

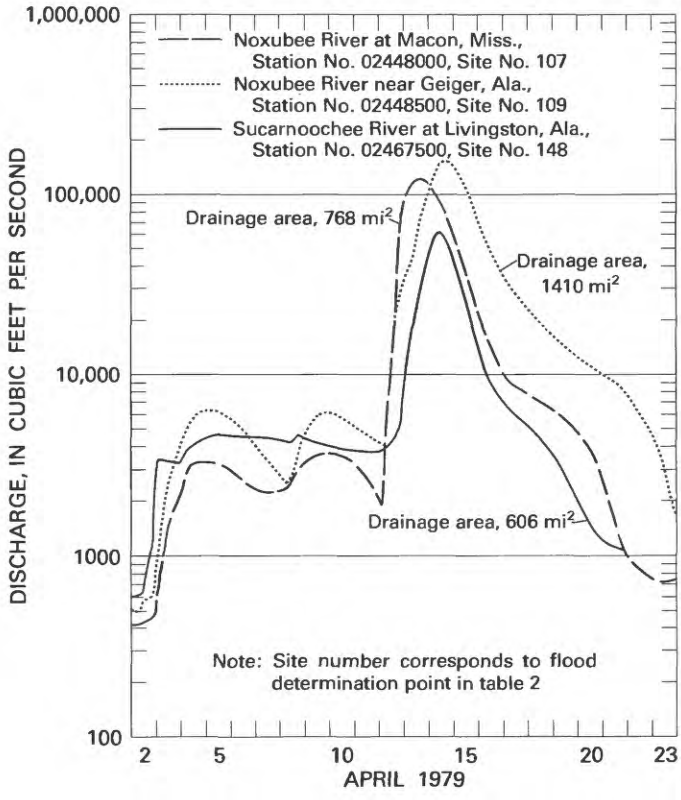


FIGURE 23.—Discharge at gaging stations on the Noxubee River at Macon, Miss., and near Geiger, Ala., and on the Sucarnoochee River at Livingston, Ala., April 2–23, 1979.

Sipsey River, located between the Tombigbee and Black Warrior Rivers, flows southwestward to the Tombigbee River. The peak discharge of the Sipsey River at the gaging station near Elrod (site 101) was the second highest known flood since 1900 and was exceeded only by the flood of February 23, 1961. The recurrence interval of the peak discharge April 13, 1979, was about 25 years.

Noxubee River, which flows southeastward from Mississippi to its confluence with the Tombigbee River in Alabama, experienced the heaviest rainfall of the storm, over most of its drainage area. At the gaging station at Macon, Miss. (site 107), the stream reached a stage of 38.97 feet (discharge 125,000 ft³/s), which is 6 feet higher than the flood of March 1951, the previous maximum of record. At Geiger, Ala. (site 109), near the mouth, the runoff resulted in a peak discharge more than four times the maximum known flood and more than double that of a 100-year flood. Tributaries to the Noxubee River had lesser floods, with peak discharges having recurrence intervals generally ranging from 20 to 100 years.

Hydrographs of discharge for the period April 2–23, 1979, at gaging stations on the Noxubee River at Macon, Miss., and Geiger, Ala., and on the Sucarnoochee River at Livingston, are shown in figure 23.

TOMBIGBEE RIVER DOWNSTREAM FROM GAINESVILLE, ALA.

In the reach of the Tombigbee River between Gainesville and Demopolis, Ala., the flood was the highest known at Epes, Ala. (site 115), since 1892. The Black Warrior River flows into the Tombigbee River just upstream from Demopolis. The combined flow of the Tombigbee and Black Warrior Rivers produced the maximum known flood since 1874, and probably since 1812, on the Tombigbee River at Demopolis lock and dam gaging station (site 143) (fig. 24). The April 1979 peak discharge at Demopolis exceeded that of a 100-year flood by nearly a third.

The lower half of the Black Warrior River basin received the heaviest rainfall, and severe flooding occurred along the Black Warrior River and its tributaries. In the Tuscaloosa-Oliver lock and dam area at Northport, Ala. (site 138), the flood on Black Warrior River was the greatest since 1900 and the peak discharge (272,000 ft³/s) exceeded that of the 100-year flood by 9 percent. Peak discharges on tributaries of the Black Warrior River approached those of a 100-year flood.

Hydrographs of discharge of Valley Creek, April 2–21, 1979, near Bessemer (site 128) and near Oak Grove, Ala. (site 129), are shown in figure 25.

Hydrographs of discharge of North River near Samantha, Ala. (site 137), and Black Warrior River at Northport, Ala. (site 138), for the period April 12–21, 1979, are shown in figure 26.

The flood on the Tombigbee River from Demopolis downstream to Coffeeville, Ala., was the greatest known since 1874 and exceeded the 100-year flood discharge at Demopolis (site 143) and at Coffeeville, Ala. (site 151). Sucarnoochee River, a large right-bank tributary flowing into the Tombigbee River near Demopolis, Ala., had peak discharges with recurrence intervals greater than 100 years at all gaged sites downstream from State Highway 16 near Dekalb, Miss.

The April 1979 peak flow of the Sucarnoochee River at Livingston, Ala. (site 148), was nearly double that of the maximum known flood (1939–79) in February 1961 and a third greater than the 100-year flood discharge. A hydrograph of the discharge of the Sucarnoochee River at Livingston, Ala., is shown in figure 23. Pawticfaw and Ponta Creeks, right-bank tributaries to Sucarnoochee Creek, had peak discharges with recurrence intervals in excess of 100 years at their crossings of U.S. Highway 45 (sites 146 and 147, respectively).

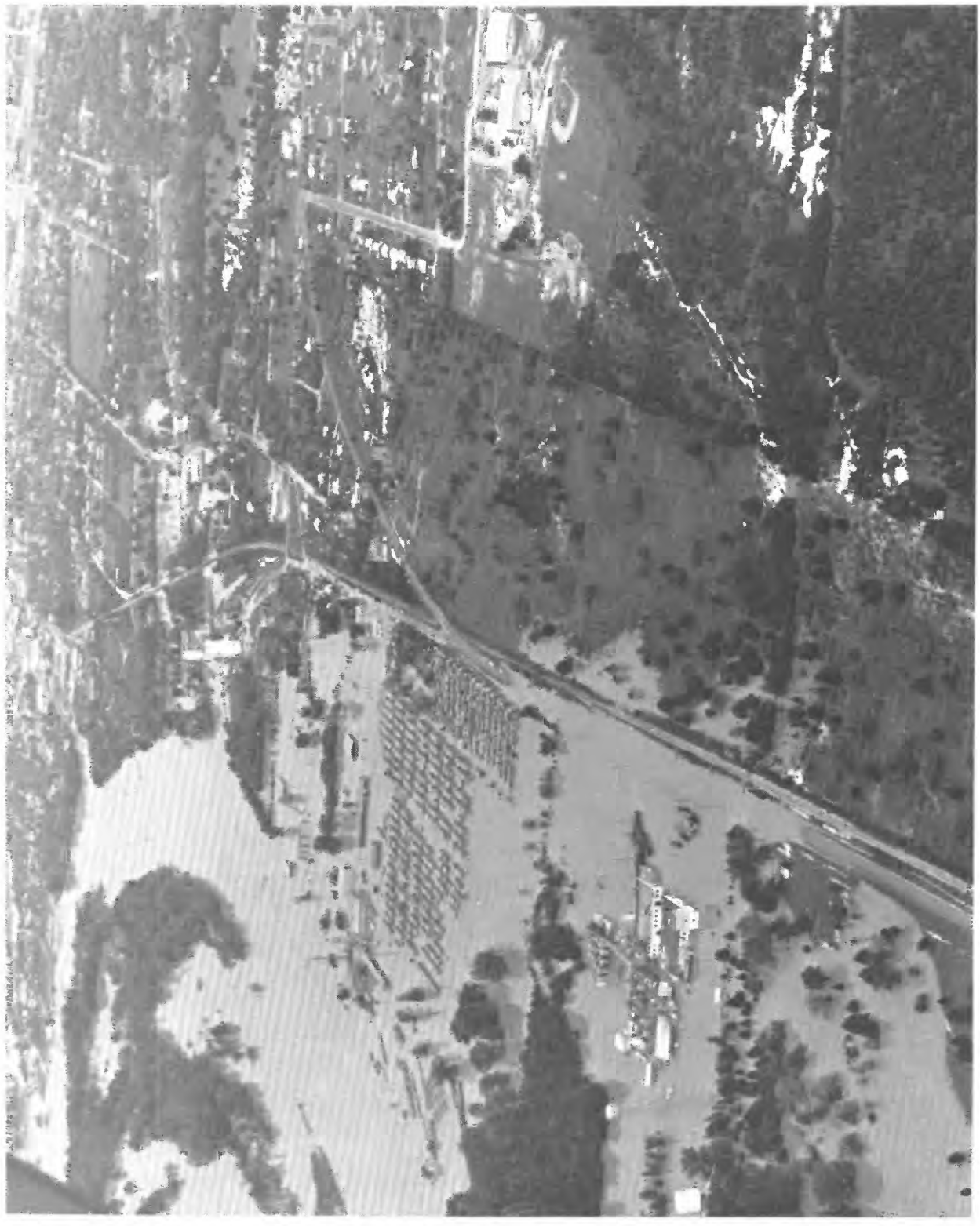


FIGURE 24.—Overflow of Tombigbee River at Demopolis, Ala., April 19, 1979. Photograph courtesy of U.S. Army Corps of Engineers, Mobile District.

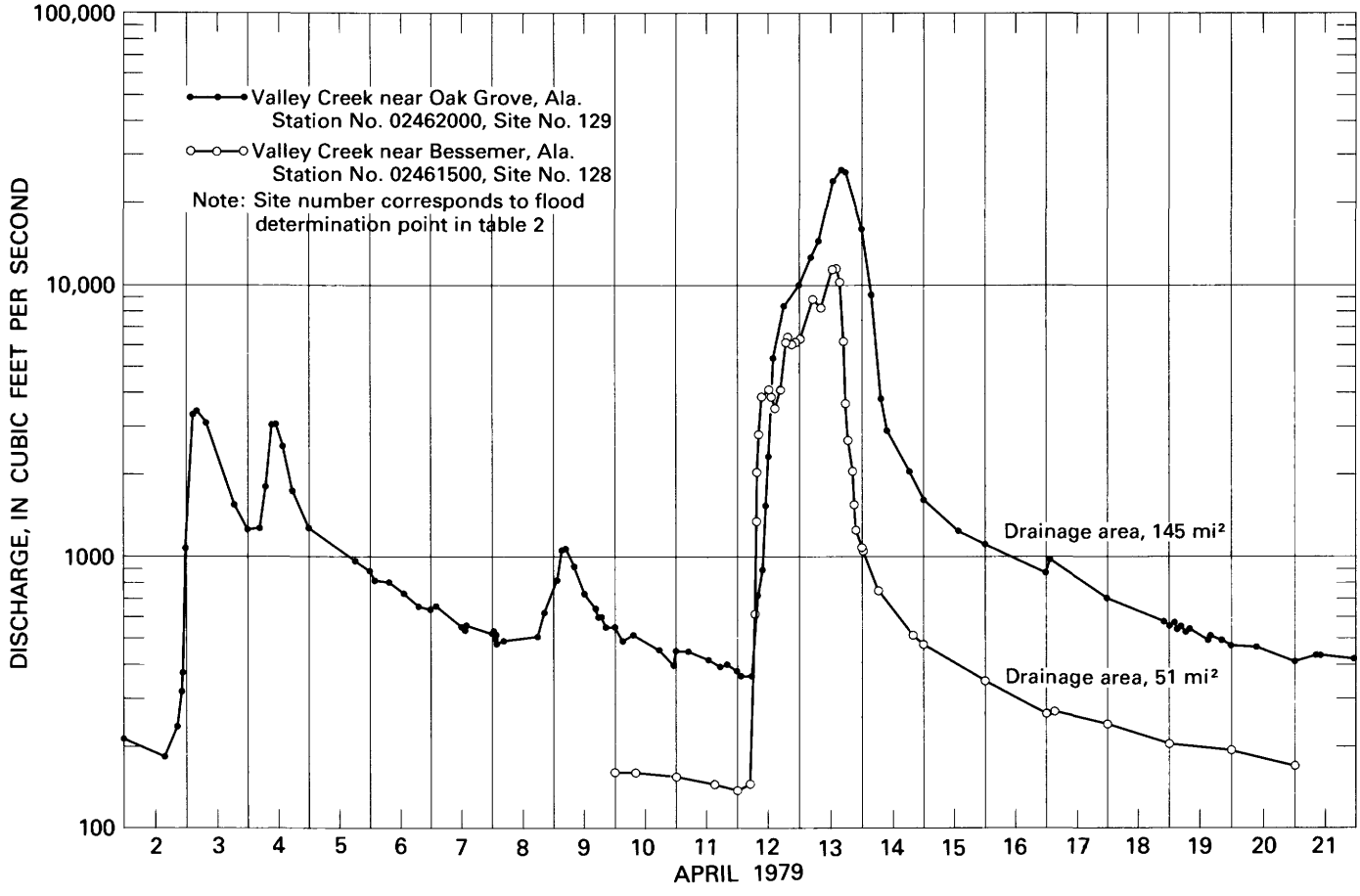


FIGURE 25.—Discharge at gaging stations on Valley Creek in the Black Warrior River basin in Alabama, April 2-21, 1979.

PASCAGOULA RIVER BASIN

In the Pascagoula River basin the March floods generally were greater than those in April. The heaviest rains, March 3-4, were centered over the upstream part of the Chickasawhay River. The peak discharge of Chunky Creek, head of Chickasawhay River, March 4, near Chunky, Miss. (site 156), was the greatest since records began in 1939, exceeding the 100-year flood discharge.

The stage of the flood on Sowashee Creek at Meridian, Miss. (site 158), on April 13 was the highest since records began in 1939, but it was only 0.8 foot higher than that reached on March 4. The March 5 flood on Chickasawhay River at Enterprise, Miss. (site 160), was a foot lower than the previous maximum (since 1900) flood in 1961 and was equaled a few weeks later, April 14.

PEARL RIVER BASIN

Pearl River is formed by the confluence of Tallahaga, Nanih Waiya, and Bogue Chitto Creeks about 10 miles east of Philadelphia, Miss. Recurrence intervals of peak discharges on most streams in the northern and eastern parts of the basin were much greater than 100 years. Exceptions were Tuscolameta Creek and eastern tributaries downstream from Tuscolameta Creek, where flood peaks generally had recurrence intervals of less than 10 years.

Floods on Pearl River at all gaged sites from Burnside, Miss. (site 169), downstream to Jackson (site 194) were the greatest known since at least 1874. Recurrence intervals of peak discharges near Monticello (site 196), and Columbia, Miss. (site 197), and near Bogalusa, La. (site 198), were equal to or greater than 100 years, although the April 1979 flood may not have exceeded the great flood of 1874.

On Lobutcha Creek and Yockanookany River, right-bank tributaries to the Pearl River upstream and downstream, respectively, from Carthage, Miss., (site 178), peak flows were two to three times those of a 100-year flood.

The three gaging stations that measure most of the inflow into Ross Barnett Reservoir immediately upstream from Jackson—Pearl River at Carthage (site 178),

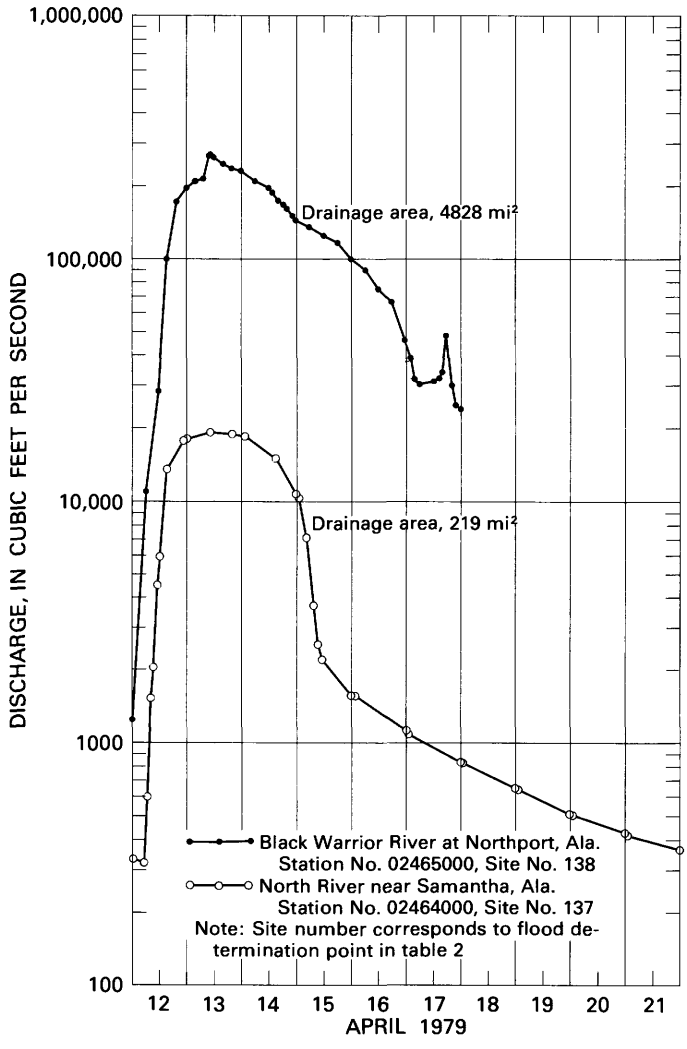


FIGURE 26.—Discharge at gaging stations on North River and Black Warrior River in Alabama, April 2-21, 1979.

Yockanookany River near Ofahoma (site 184), and Tuscolameta Creek at Walnut Grove (site 179), had peak discharges of 102,000 ft³/s, 46,500 ft³/s, and 23,600 ft³/s, respectively. A near-peak discharge of 143,000 ft³/s was measured in Ross Barnett Reservoir at State Highway 43 about 10 miles upstream from the Ross Barnett Reservoir dam. A peak discharge of 145,000 ft³/s in the vicinity of Jackson, representing natural flow of the Pearl River without the effects of storage in Ross Barnett Reservoir, was estimated on the basis of reservoir inflow and discharge measurements made at State Highway 43 and at the gage at U.S. Highway 80. The exceedance probability of a peak discharge of 145,000 ft³/s estimated from a frequency relation based on the period of known floods, 1874-1980, is about 0.2 percent—equivalent to an average recurrence interval of about 500 years. The peak flow at the gaging station at U.S. Highway 80 (site 194) in Jackson, based on a series of discharge measurements, attenuated to 128,000 ft³/s on April 17, 1979. Hydrographs of discharge at gaging stations on Pearl River, Tuscolameta Creek, and Yockanookany River are shown in figure 27.

The Pearl River at Jackson, Miss. (site 194), crested at 43.28 feet April 17, nearly 6 feet higher than the previous record stage of 37.5 feet in 1902. The 43.28-foot stage resulted in extensive flooding along the Pearl River and its tributaries in Jackson, Miss., and vicinity, both in the business district and in residential areas (figs. 28 to 31).

At Monticello, Miss. (site 196), the Pearl River crested on April 20 with a peak discharge of 122,000 ft³/s at a stage of 34.08 feet, a foot higher than the flood of April 1902. At Columbia, Miss. (site 197), the Pearl River crested with a discharge of 120,000 ft³/s at a stage of 27.8 feet, nearly as high as that of a flood in 1900 but 1 to 3 feet lower than the extreme flood of 1874. Water-surface differentials of 4 feet developed between the upstream and downstream sides of the U.S. Highway 98 crossing of the east flood plain at Columbia, and the highway embankment was cut in two places by the floodflow.

The Pearl River at Bogalusa, La. (site 198), crested April 24 at a stage of 23.2 feet and a discharge of 129,000 ft³/s. The increase in discharge between Columbia and Bogalusa resulted from moderately heavy rain in the vicinity (3.41 in. at Bogalusa) April 21-23. The flood at Bugalusa exceeded the previous maximum (records since 1938) of April 17, 1974, by 1.1 feet.

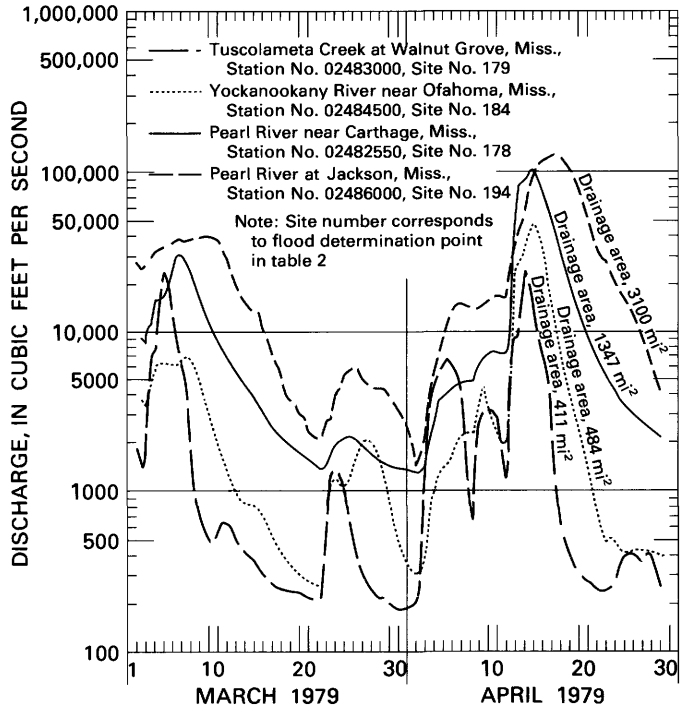


FIGURE 27.—Discharge at gaging stations in the Pearl River basin at and upstream from Jackson, Miss., March 2 to April 28, 1979.

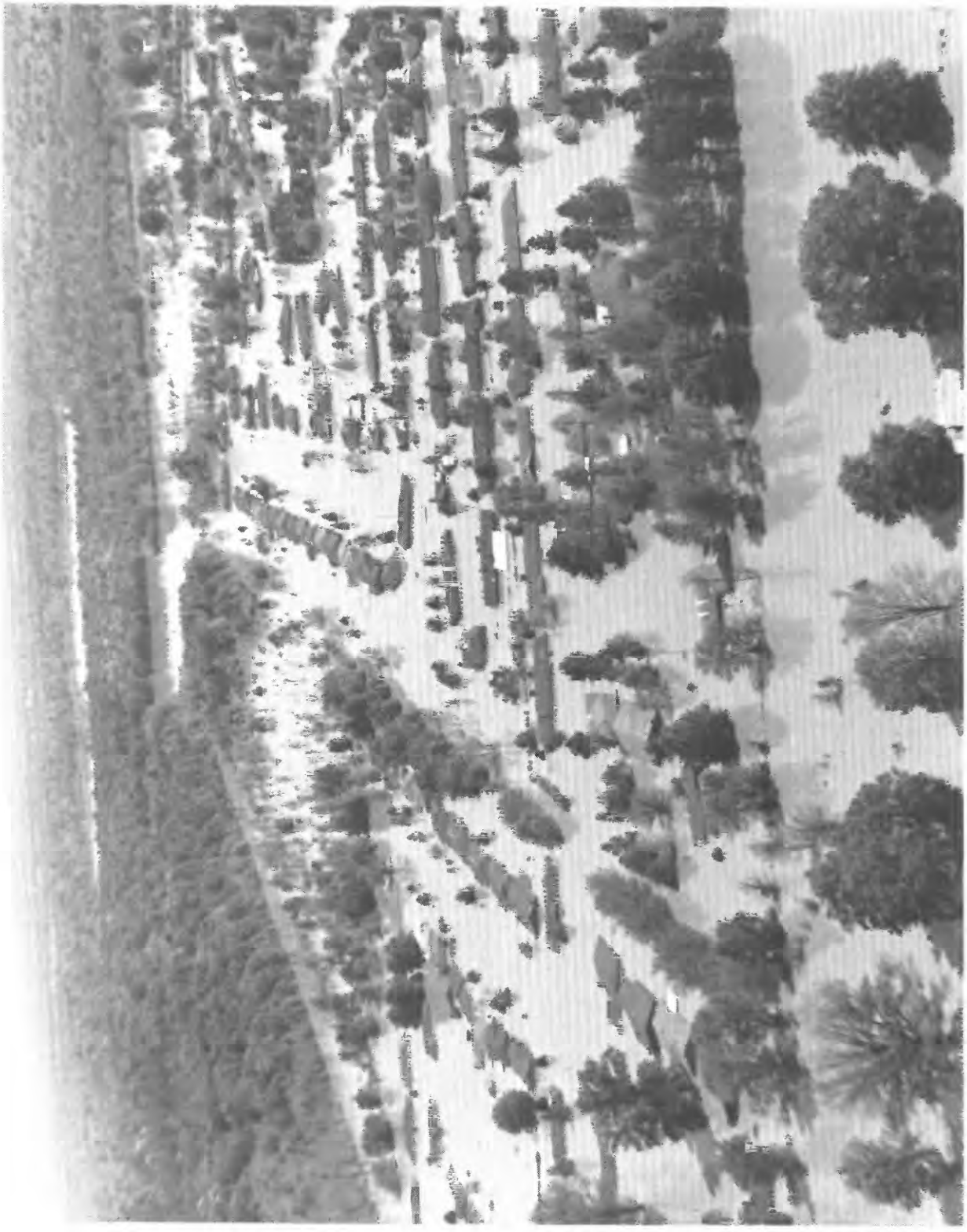


FIGURE 28.--Housing development in flooded area along Hanging Moss Creek in northern part of Jackson, Miss., April 16, 1979. Photograph courtesy of U.S. Army Corps of Engineers, Mobile District.

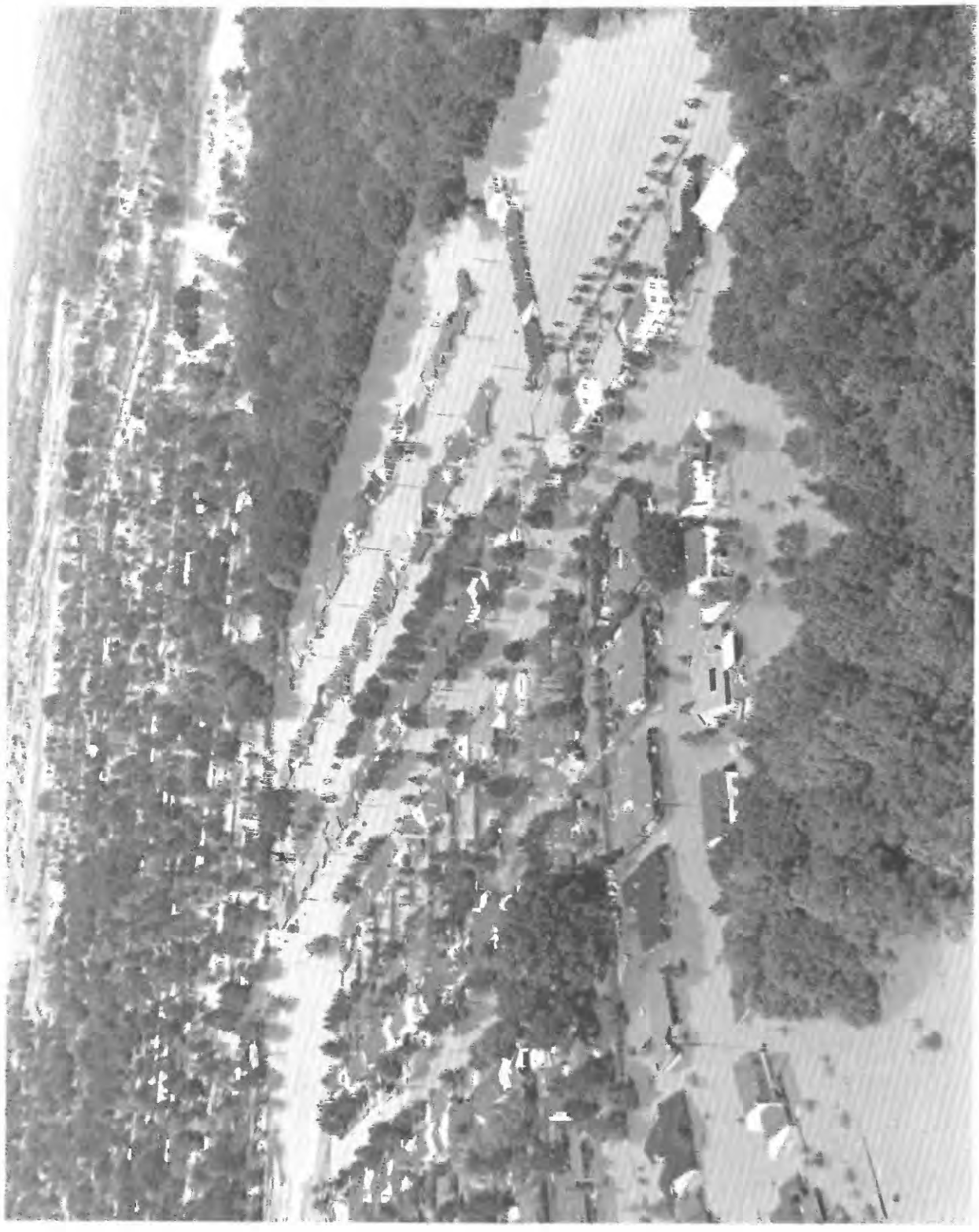


FIGURE 29.—Inundated residential area in the vicinity of Westbrook Road in northern part of Jackson, Miss., April 16, 1979. Photograph courtesy of U.S. Army Corps of Engineers, Mobile District.

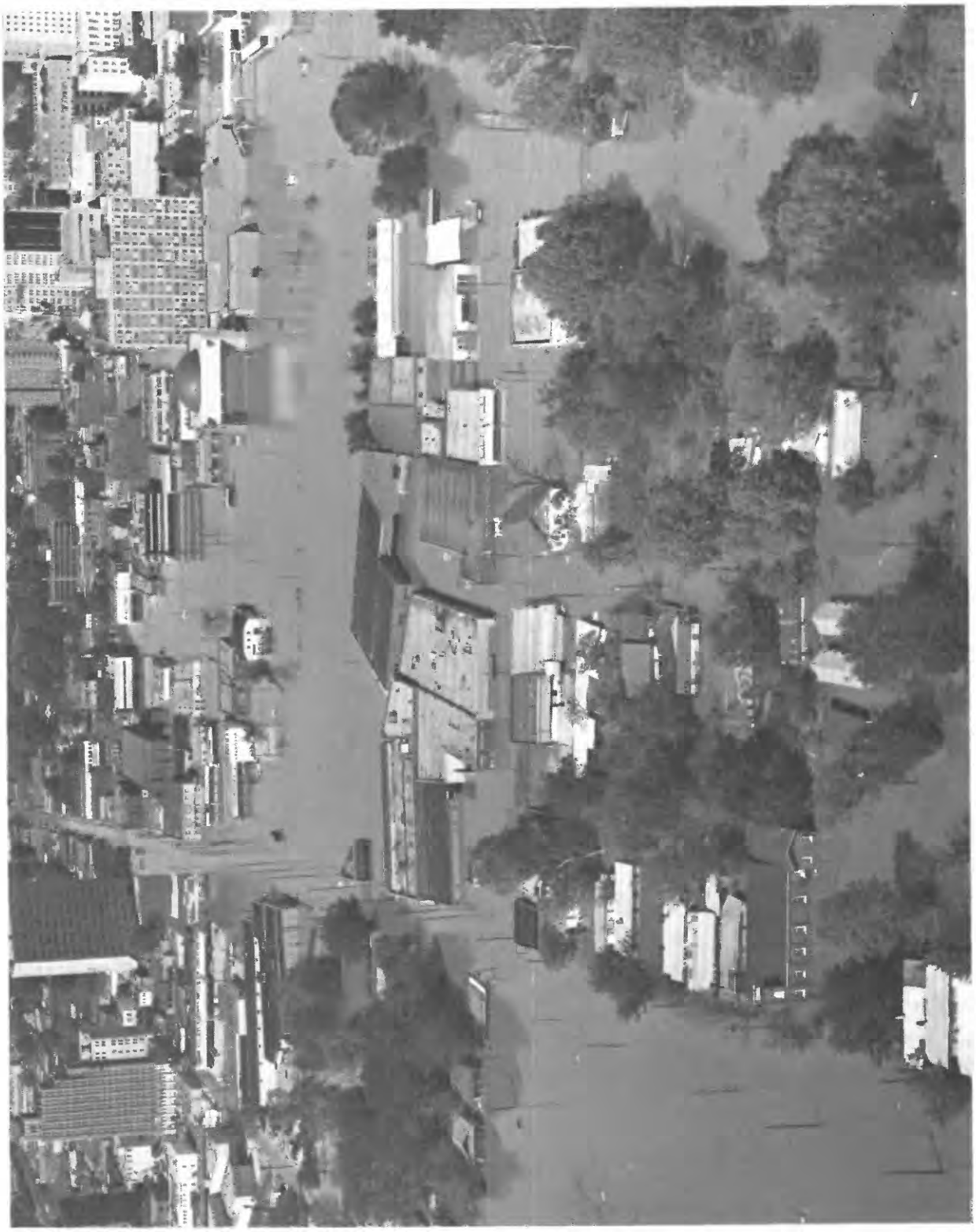


FIGURE 30.—Business district of Jackson, Miss., inundated by Pearl River overflow, April 16, 1979. Photograph courtesy of U.S. Army Corps of Engineers, Mobile District.

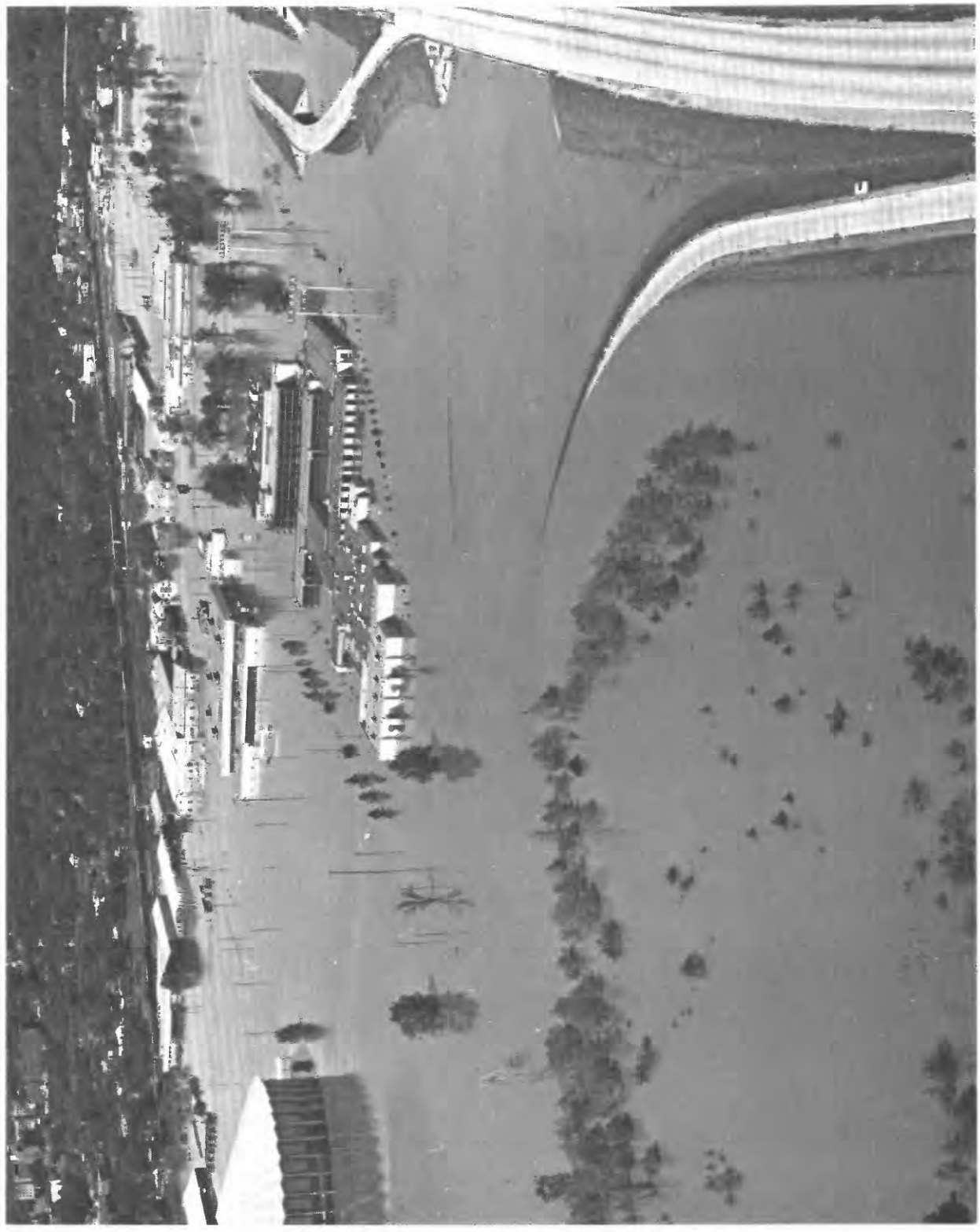


FIGURE 31.—Flooded fairgrounds enclosed by levee, Jackson, Miss., near crest of Pearl River flood, April 16, 1979. Photograph courtesy of U.S. Army Corps of Engineers, Mobile District.

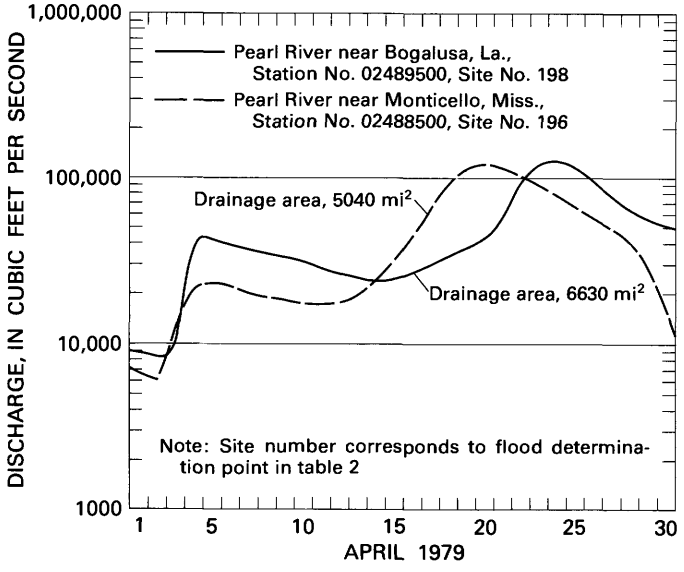


FIGURE 32.—Discharge at gaging stations at Pearl River near Monticello, Miss., and near Bogalusa, La., April 1-30, 1979.

Hydrographs of discharge of the Pearl River, April 1-30, 1979, at gaging stations near Monticello, Miss. (site 196), and Bogalusa, La. (site 198), are shown in figure 32.

A discharge of 155,000 ft³/s was measured at the Interstate 59 crossing of Pearl River near Pearl River, La. (site 199), on April 26 near the crest. A discharge of 152,000 ft³/s was measured at the Interstate 10 crossing of Pearl River near Slidell, La. (site 200), on April 26.

LOWER MISSISSIPPI RIVER BASIN

BIG BLACK RIVER BASIN

The major flood along the Big Black River, which flows into the Mississippi River about 25 miles downstream from Vicksburg, Miss., occurred April 12-16, 1979. Runoff from tributaries in the central part of the basin contributed substantially to the flood. Extreme floods occurred on medium-sized tributaries draining up to 160 square miles. Zilpha Creek near Kosciusko (site 204) had a peak discharge approaching that of a 100-year flood, and Doaks Creek near Canton, Miss. (site 210), had a peak flow more than twice that of a 100-year flood. Major floods occurred also on Long Creek near Kosciusko (site 207) and Bear Creek near Canton, Miss. (site 213).

Recurrence intervals of peak flows on the main stem of Big Black River ranged from about 25 years at the gaging staton at West, Miss. (site 205), to more than 100 years downstream near Bovina, Miss. (site 219).

Big Black River at West (site 205) crested at a stage of 24.27 feet (discharge 48,000 ft³/s). Big Black River at Pickens (site 208) crested at a stage of 23.6 feet and at State Highway 16 near Canton (site 211) crested at an elevation of 193.22 feet (discharge 85,800 ft³/s). The increase in flood magnitude resulted from extreme tributary inflow from Big Cypress and Doaks Creeks between Pickens and Canton. At the U.S. Highway 80 gage near Bovina, Miss. (site 219), Big Black River crested at 40.56 feet (discharge 81,200 ft³/s), the greatest flood since at least 1912.

Hydrographs of discharge of the Big Black River, April 1-30, 1979, at gaging stations near West (site 205) and Bovina, Miss. (site 219), are shown in figure 33.

FLOOD-CREST STAGES

Flood-crest elevations at many ungaged points along streams were obtained by leveling to floodmarks identified during or immediately following the floods. Flood-crest stages provide a means to determine the extent of overflows and are useful in land-use management of flood-plain lands.

Both the U.S. Geological Survey and the U.S. Army Corps of Engineers (Mobile and Vicksburg Districts) participated in flagging the floodmarks. Most of the elevations were determined by the Corps of Engineers.

Records of flood-crest stages in the Mobile, Pascagoula, Pearl, and Big Black River basins are presented in table 5 (at end of report). Data on both main-stem streams and several tributaries are included.

Points of measurement are referred to distance in miles upstream from the mouth of the stream. River mileage was determined by the U.S. Army Corps of Engineers (1972) unless otherwise noted. Flood-crest

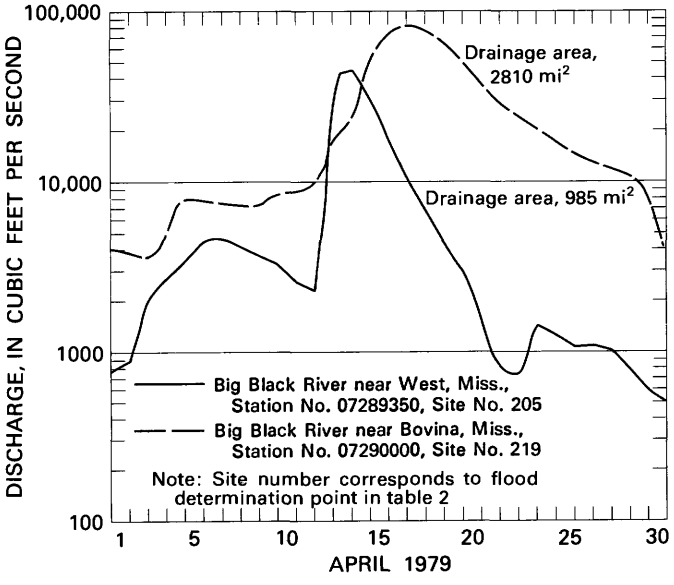


FIGURE 33.—Discharge at gaging stations on Big Black River at West, Miss., and near Bovina, Miss., April 1-30, 1979.

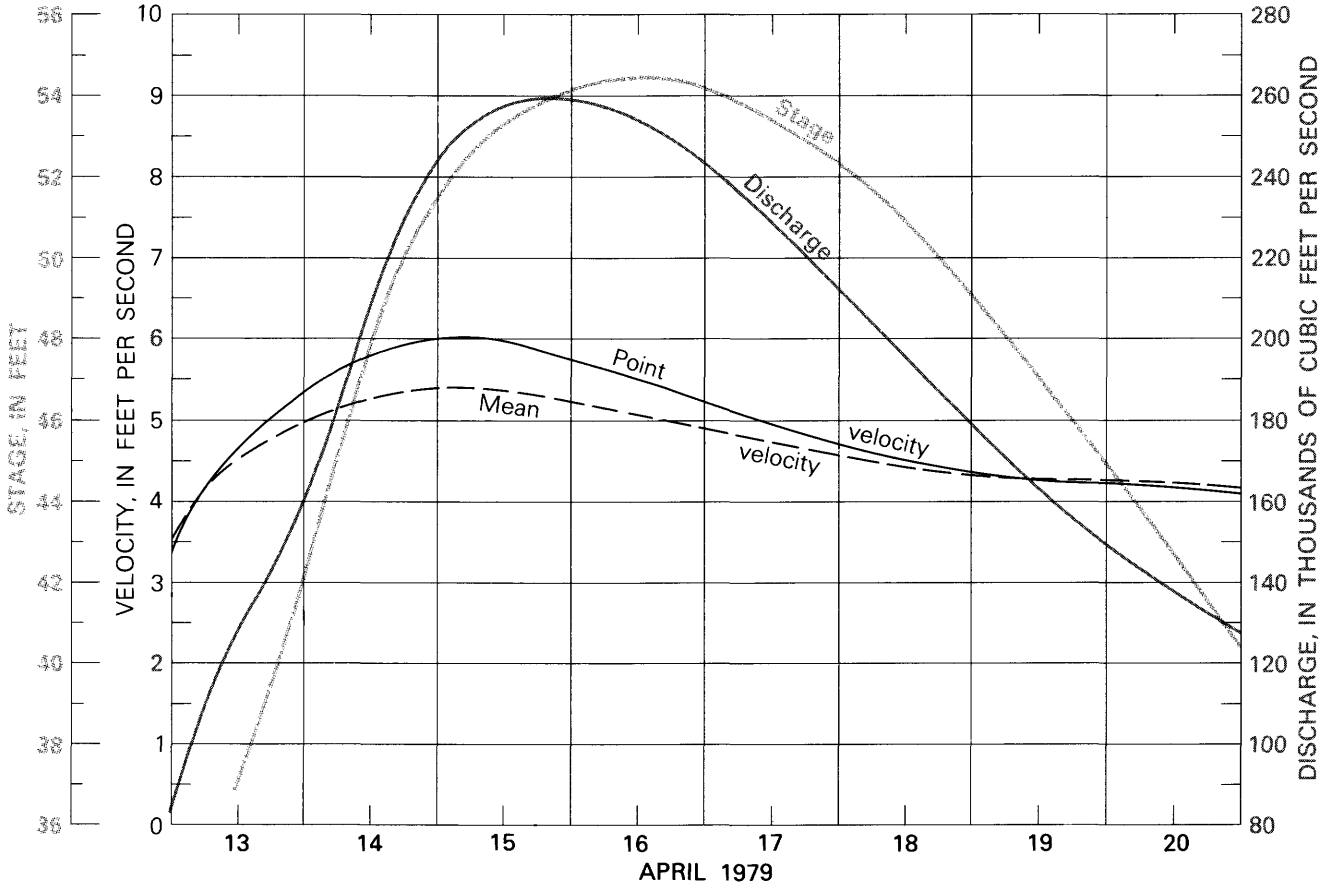


FIGURE 34.—Changes in point velocity, mean velocity, stage, and discharge of Alabama River near Montgomery, Ala., April 13-20, 1979. Meter location for point velocity is at stage 15.0 ft, 25 ft above streambed at upstream side of the center bridge pier on U.S. Highway 31.

elevations are water-surface elevations in feet above National Geodetic Vertical Datum of 1929 (NGVD of 1929).

Flood-crest elevations at U.S. Geological Survey gaged sites may be determined from Table 2, "Summary of Flood Stages and Discharges" by adding the gage height of the flood to the datum of the gage (NGVD of 1929), where the datum is known.

Additional records of flood-crest stages and other detailed information may be obtained from the U.S. Corps of Engineers and the U.S. Geological Survey.

STREAMFLOW VELOCITIES

VELOCITY CHANGES DURING PEAK DISCHARGES

Velocity changes with respect to time and stage during the passage of a flood wave are of great interest to hydrologists. The gaging station, Alabama River near Montgomery, Ala. (site 69), records a point velocity that has been calibrated to the mean velocity in the cross section at the gage (table 6) (at end of report). The relations of point velocity, mean velocity, stage, and discharge, to time every 6 hours for the period April 13-20, 1979, are shown in figure 34.

VELOCITY DISTRIBUTION THROUGH BRIDGE OPENINGS

Velocity distribution through channel constrictions during peak flows is of great interest to designers of bridges, culverts, and other hydraulic structures. The distribution of velocities is an integral part of a velocity-meter discharge measurement of flow.

Stream velocities obtained at or near the crest of the floods exceeded 10 feet per second at some sites. Velocities at bridges were far from uniform, varying greatly both in vertical and horizontal directions. Maximum velocities were 1 1/2 to 2 times the average velocities at the bridge openings. Variations were related to bridge and channel geometry and to the extent of channel (or flood plain) contraction at the bridge.

Velocity distribution diagrams are shown for nine selected bridges, five in Alabama and four in Mississippi

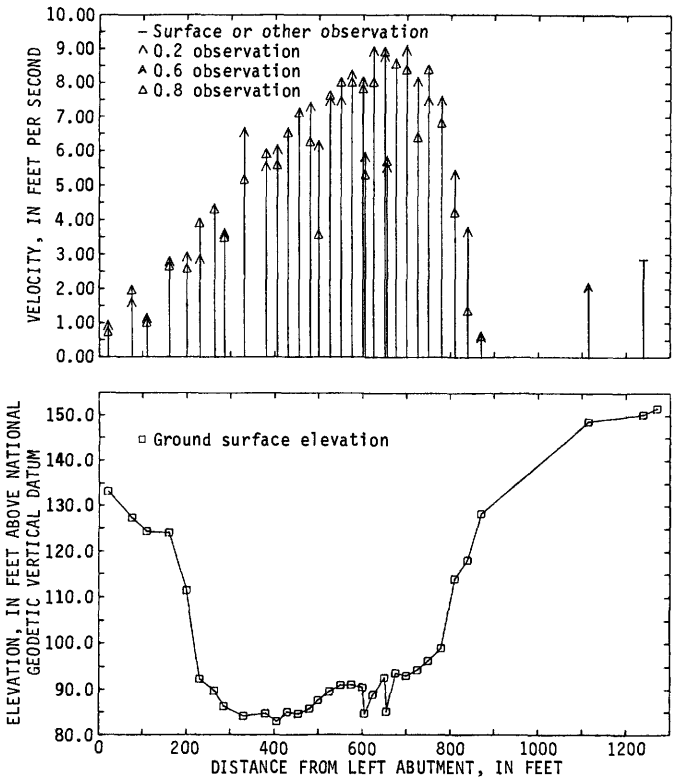


FIGURE 35.—Velocity distribution and cross section: Alabama River at U.S. Highway 31 north, near Montgomery, Ala., April 15, 1979. Water-surface elevation, 151.50 ft; total discharge, 261,000 ft³/s.

(figs. 35-43). The velocity diagrams for the highly contracted bridges (Hashuqua and Zilpha Creeks and Noxubee River in Mississippi) show higher velocities in the overflow areas (on the flood plain) than in the channels. Moderately contracted bridges (Noxubee, Tombigbee, and Alabama Rivers in Alabama) show fairly high velocities near one abutment but not as great as those in the channels. Velocities near the abutment are low on Mulberry Creek and North River in Alabama.

FLOOD HYDROGRAPH DATA

Gage height, discharge, and accumulated runoff at selected times during the flood at 47 gaging stations in Alabama, Mississippi, and Louisiana are shown in table 7 (at end of report). The period begins prior to the major rise and extends to the end of the gaged record or to an arbitrary cutoff point on the recession, when the discharge approaches that of the antecedent flow. The period for some gaging stations starts March 1, 1979, to define flow conditions prior to the floods of March 1979, whose peak flows exceeded those in April 1979 at some stations. The intervals selected for presenting momentary stage and discharge information provide sufficient detail to define the flood hydrograph. Runoff in inches shows the depth to which the drainage basin would be

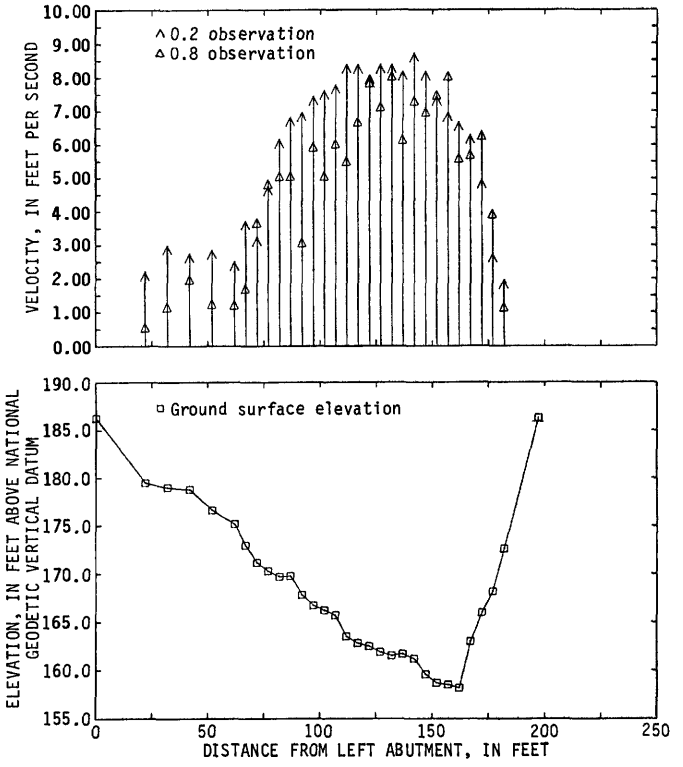


FIGURE 36.—Velocity distribution and cross section: Mulberry Creek at highway bridge at Jones, Ala., April 14, 1979. Water-surface elevation, 186.35 ft; total discharge, 15,600 ft³/s.

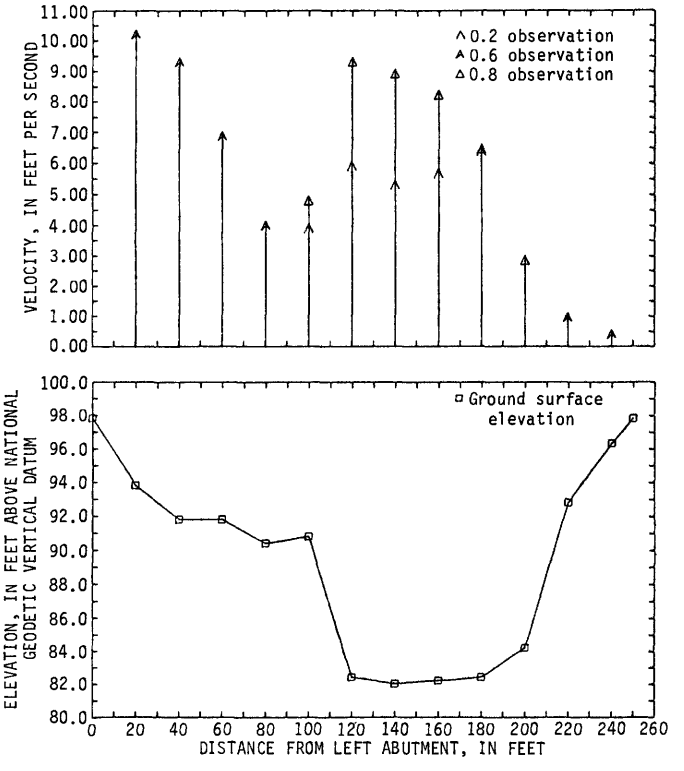


FIGURE 37.—Velocity distribution and cross section: Hashuqua Creek near Macon, Miss., April 12, 1979. Gage height, 97.85 ft; total discharge, 13,900 ft³/s.

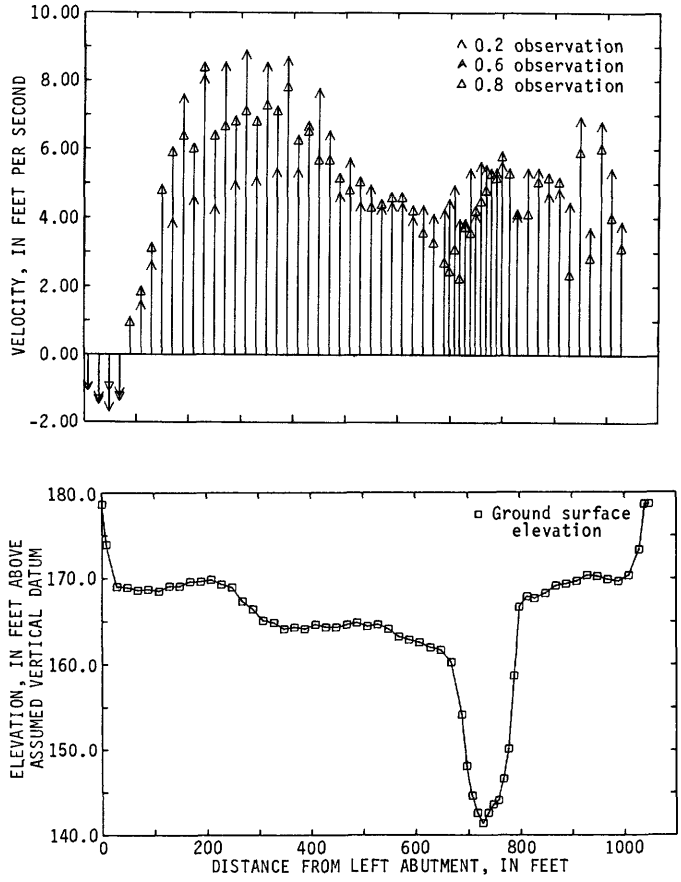


FIGURE 38.—Velocity distribution and cross section: Noxubee River at U.S. Highway 45 bypass near Macon, Miss., April 14, 1979. Water-surface elevation, 36.25 ft; main channel discharge, 69,400 ft³/s; total discharge, 81,700 ft³/s.

covered if all the runoff during a given period were uniformly distributed. The runoff for the March or April storm can be roughly approximated by subtracting the accumulated runoff at the beginning of the flood from the runoff at the end of the flood period.

GROUND-WATER FLUCTUATIONS

Descriptions of selected ground-water observation wells influenced by the storm of April 1979 are shown in table 8 (at end of report). These wells tap unconsolidated aquifers of Late Cretaceous and Quaternary age in the Black Warrior and Tombigbee River basins and consolidated aquifers of Late Cambrian, Early Ordovician, and Early Mississippian ages and metamorphic rocks in the Coosa and Tallapoosa basins.

The water-level fluctuations, shown on the hydrograph of well 1W (fig. 44) and other wells, during the storm of April 1979 were influenced by local precipitation and direct infiltration and loading effects from nearby streams. An absence of rises in the water levels in wells 3W and 5W until several days after the storm may indicate a lag in recharge to the aquifer from the outcrop area to the vicinity of the wells. The variations in water level in these observation wells are shown in table 8.

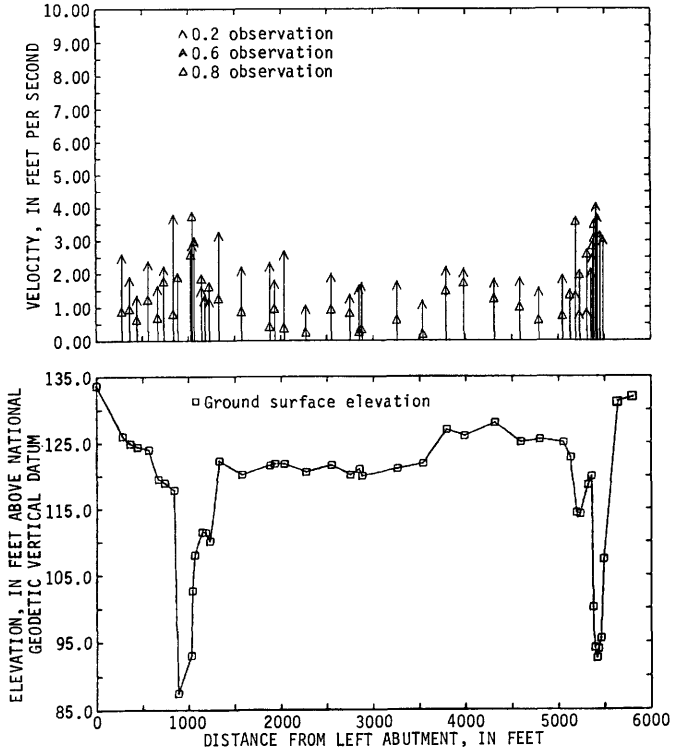


FIGURE 39.—Velocity distribution and cross section: Noxubee River at State Highway 17 near Geiger, Ala., April 15, 1979. Water-surface elevation, 133.62 ft; total discharge, 125,000 ft³/s.

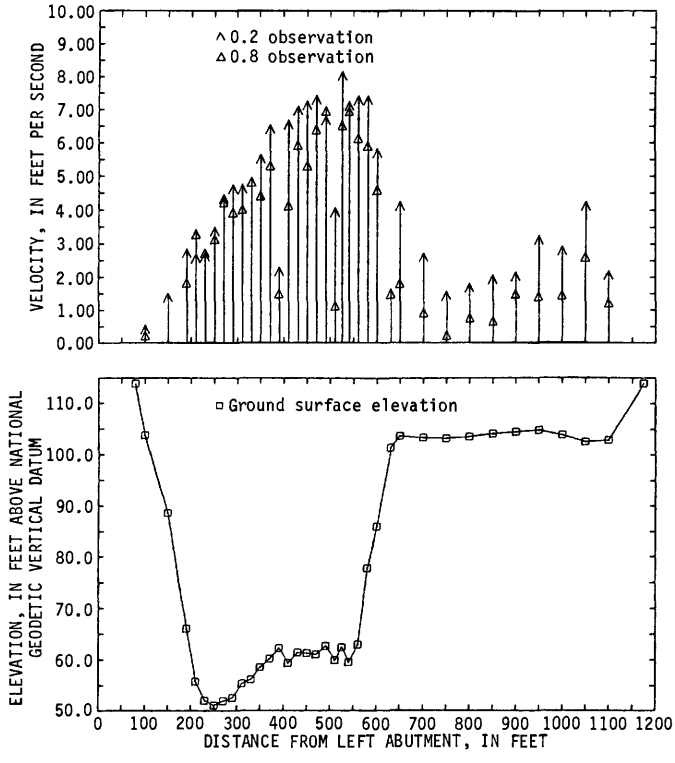


FIGURE 40.—Velocity distribution and cross section: Tombigbee River at Gainesville, Ala. (main channel), April 15, 1979. Water-surface elevation, 113.88 ft; total discharge, 124,000 ft³/s.

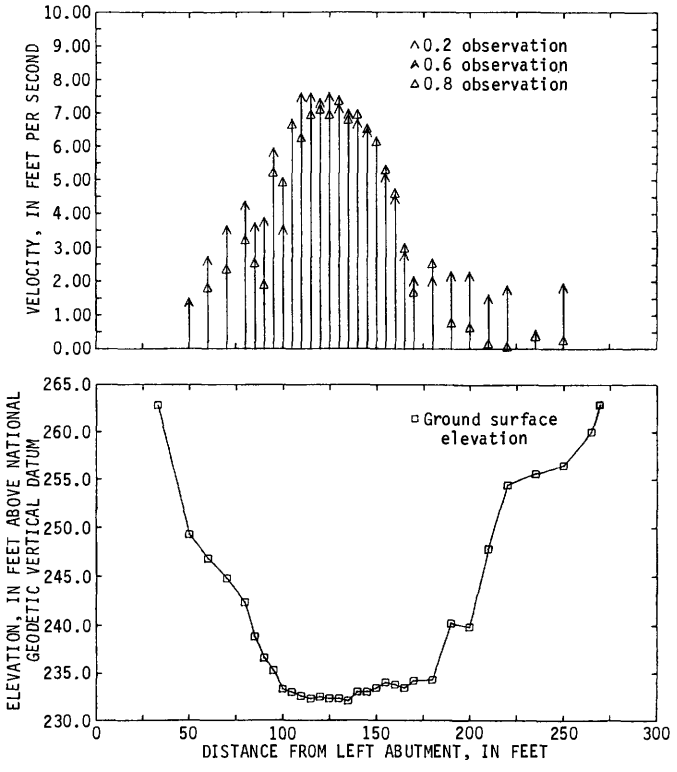


FIGURE 41.—Velocity distribution and cross section: North River near Samantha, Ala., April 13, 1979. Water-surface elevation, 262.84 ft; total discharge, 18,500 ft³/s.

Water-level fluctuations in observation wells near the Tombigbee River were influenced primarily by the stage of the river during the flood, and this influence decreased with distance from the river. The rise in water levels in response to high river stages and to local precipitation during the flood and resultant recharge to the adjacent alluvial deposits of Quaternary age is shown on the hydrograph for observation well 15W (fig. 45). The decline of water levels March 5 to April 1, and April 13-30, resulted from water draining from the alluvial deposits subsequent to lowering of the stage of the river.

The water levels in observation wells tapping the Eutaw Formation of Late Cretaceous age near the Tombigbee River were influenced during the flood in part by direct infiltration from the river to the aquifer, in part by recharge on outcrop areas, and in part by loading effects from high river stages. Wells 8W, 9W, 11W, and 12W, which tap the Eutaw Formation, are separated from the river by the relatively impermeable Mooreville Chalk of Late Cretaceous age, suggesting that the fluctuations shown on the hydrographs are caused principally by loading effects from an increase in the volume of water in the river and in the adjoining alluvial deposits.

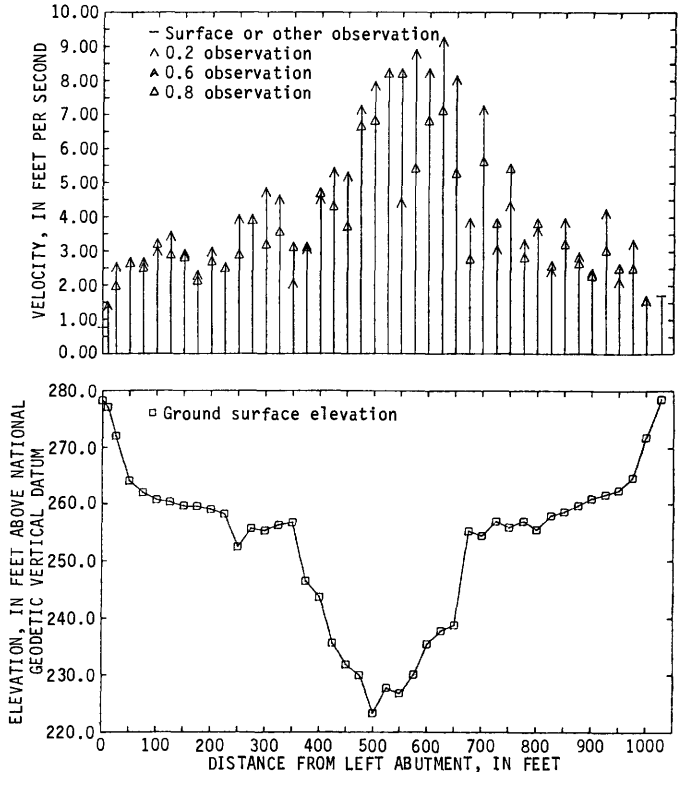


FIGURE 42.—Velocity distribution and cross section: Pearl River at Interstate Highway 55 at Jackson, Miss., April 17, 1979. Gage height, 43.21 ft; total discharge, 128,000 ft³/s.

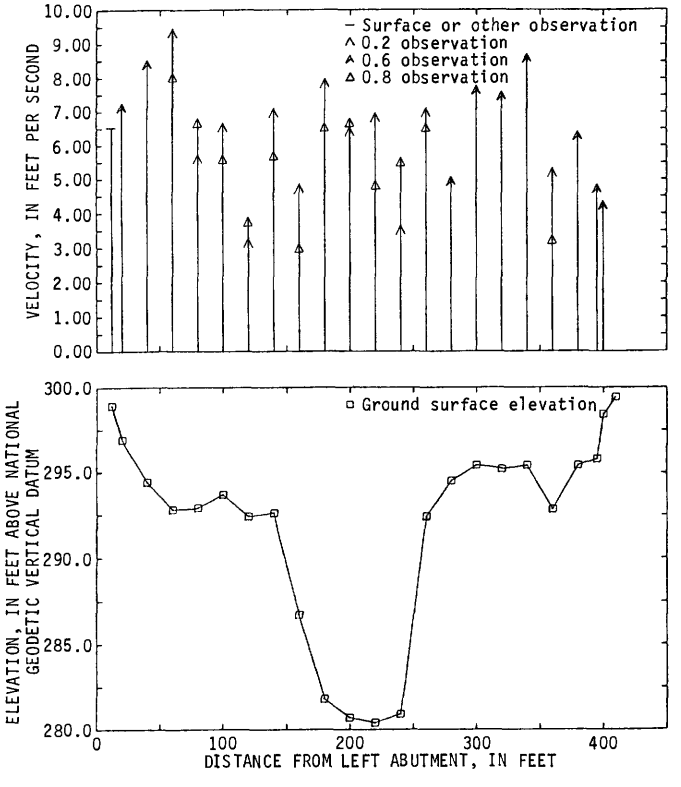


FIGURE 43.—Velocity distribution and cross section: Zilpha Creek at State Highway 35 near Kosciusko, Miss., April 12, 1979. Water-surface elevation, 291.41 ft; total discharge, 21,400 ft³/s.

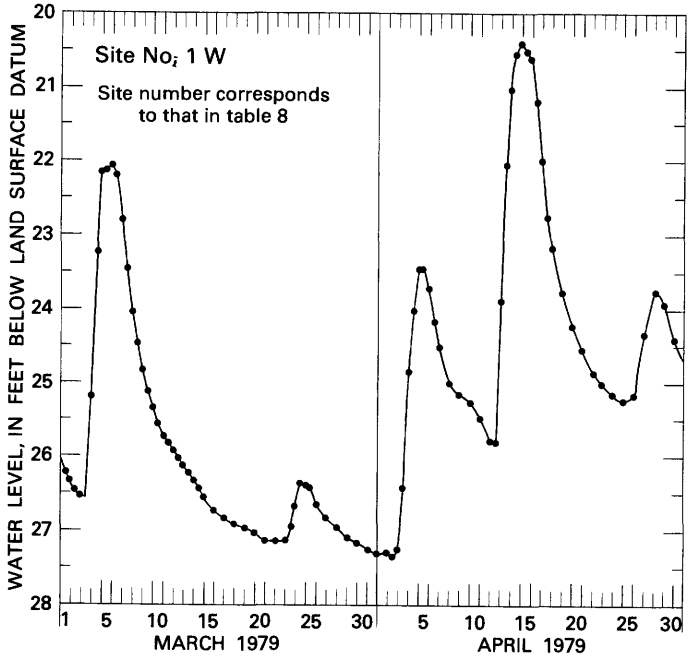


FIGURE 44.—Water level in observation well 3256220870755501, at Centreville, Ala. (site 1W) (Centreville Gin and Cotton Co.), March-April 1979.

NUMBERING SYSTEM FOR WELLS

The well-numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well and a unique number for each well. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits (assigned sequentially) identify the wells within a 1-second grid.

SALINITY AND TEMPERATURE DATA, MOBILE BAY AND GULF OF MEXICO

The U.S. Geological Survey, in cooperation with the Corps of Engineers, Mobile District, collected salinity and temperature data along the Intracoastal Waterway in Mobile Bay during the flood period April 28-29, 1979. The data are summarized in table 9 (at end of report), and the locations of sites are shown in figure 46. Specific conductance readings indicate that salinity, ranging from 20 to 3,000 micromhos per centimeter, is relatively low in the waterway sampled except for the Mobile Ship Channel. The specific conductance in the ship channel (site 16, fig. 46) at a depth of 35 feet was 45,000 micromhos per centimeter (compared with about 55,000 micromhos per centimeter in the Gulf of Mexico). Specific conductance readings from 10 feet to the surface at site 16 were about 300 micromhos per centimeter, indicating the "wedge" effect of freshwater floodflow over the more saline Gulf water.

The temperature was relatively constant from water surface to the floor of the waterway. Generally, temperatures at the surface were higher, 0.5° to 1.0° (Celsius), than the temperatures near the floor of the waterway.

AERIAL PHOTOGRAPHY

Aerial photographs were taken April 14-19, 1979, at or near the crest of the flood on several streams in the Mobile and Pearl River basins. The photographs are useful in identifying inundated areas and analyzing hydraulic conditions.

Flight lines along streams where aerial photographs were obtained are listed in table 10 (at end of report). The table furnishes information on date the photographs were taken, flight heights, and type of film used. The date, time, and altitude are also shown on each photograph. The approximate locations of the flight lines are shown in figure 47.

The photographs listed in table 10 were obtained by the U.S. Geological Survey or the Corps of Engineers and are on file in the U.S. Geological Survey District Offices in Tuscaloosa, Ala., or Jackson, Miss.

Aerial photographs were obtained near the crest of the flood at 15 highway and railroad crossings of Pearl River (5 on April 14 and 10 on April 19). These photographs, together with stage and discharge data, are useful in analyzing the hydraulics at these crossings.

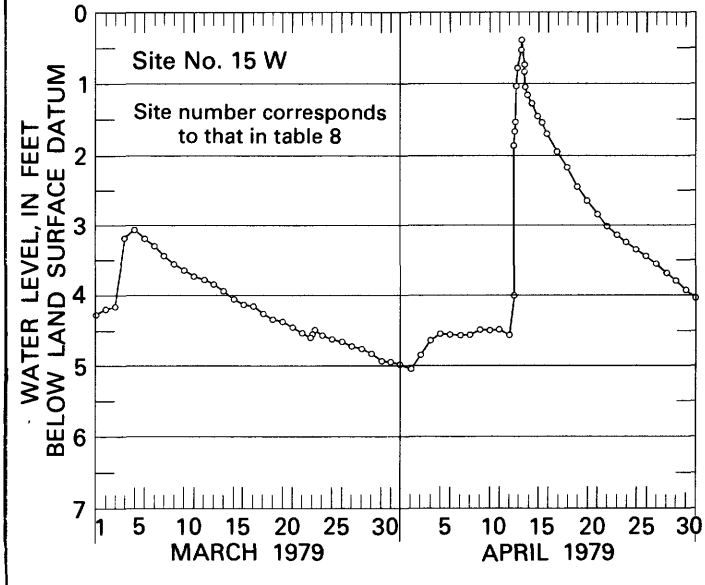


FIGURE 45.—Water level in observation well 331426088192202, at site 3.4 miles west of Pickensville, Ala. (site 15W), at river mile 292.0 above the mouth of the Tombigbee River, March-April 1979.

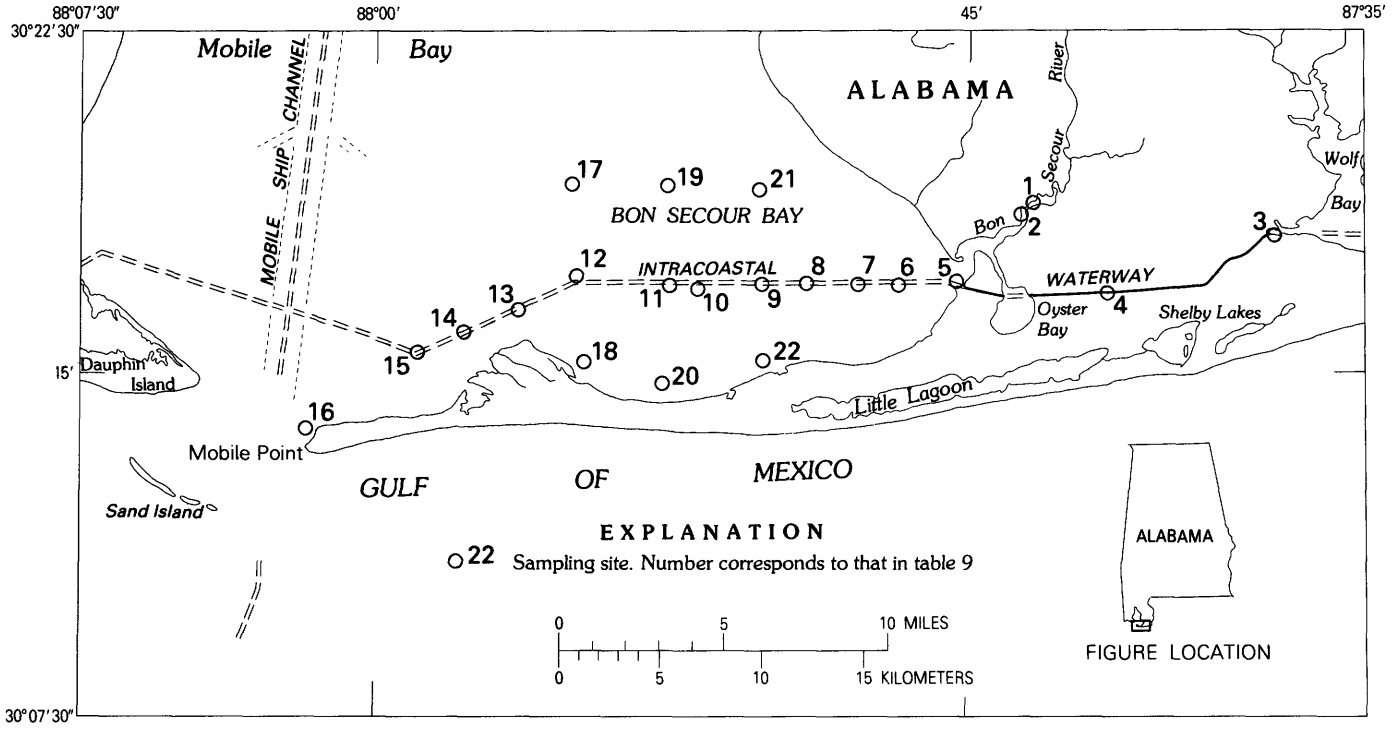


FIGURE 46.—Location of specific-conductance sampling sites at selected sites along the Intracoastal Waterway at the mouth of Mobile Bay, April 28-29, 1979.

Aerial photographs were taken April 16 from a height of 1,200 feet along Alabama Highway 17 crossing Noxubee River near Geiger, Ala. April 18 photographs were taken from a height of 1,900 feet along U.S. Highway 80 at Selma, Ala.

Low-altitude photographs of the Jackson, Miss., vicinity on April 16 near the time of the crest are shown in figures 28 through 31.

Video-tape photographs taken from a helicopter (at low altitude), of Jackson, Monticello, and Columbia, Miss., and Bogalusa, La., were obtained by the U.S. Army Corps of Engineers, Mobile District, April 15-23. The tapes include inspections of the levees at Jackson beginning on April 15 and end with the crest of flood at Columbia on April 23. Video-tape photography is useful for analyzing flow through and over highways, railroads, levees, and landfills.

Video tapes of Interstate Highway 65 bridges spanning the Alabama River at Montgomery, Ala., April 16, and U.S. Highway 80 at Selma, April 18, and the inundated area along the Tombigbee River at Demopolis, April 18, were made at low altitudes.

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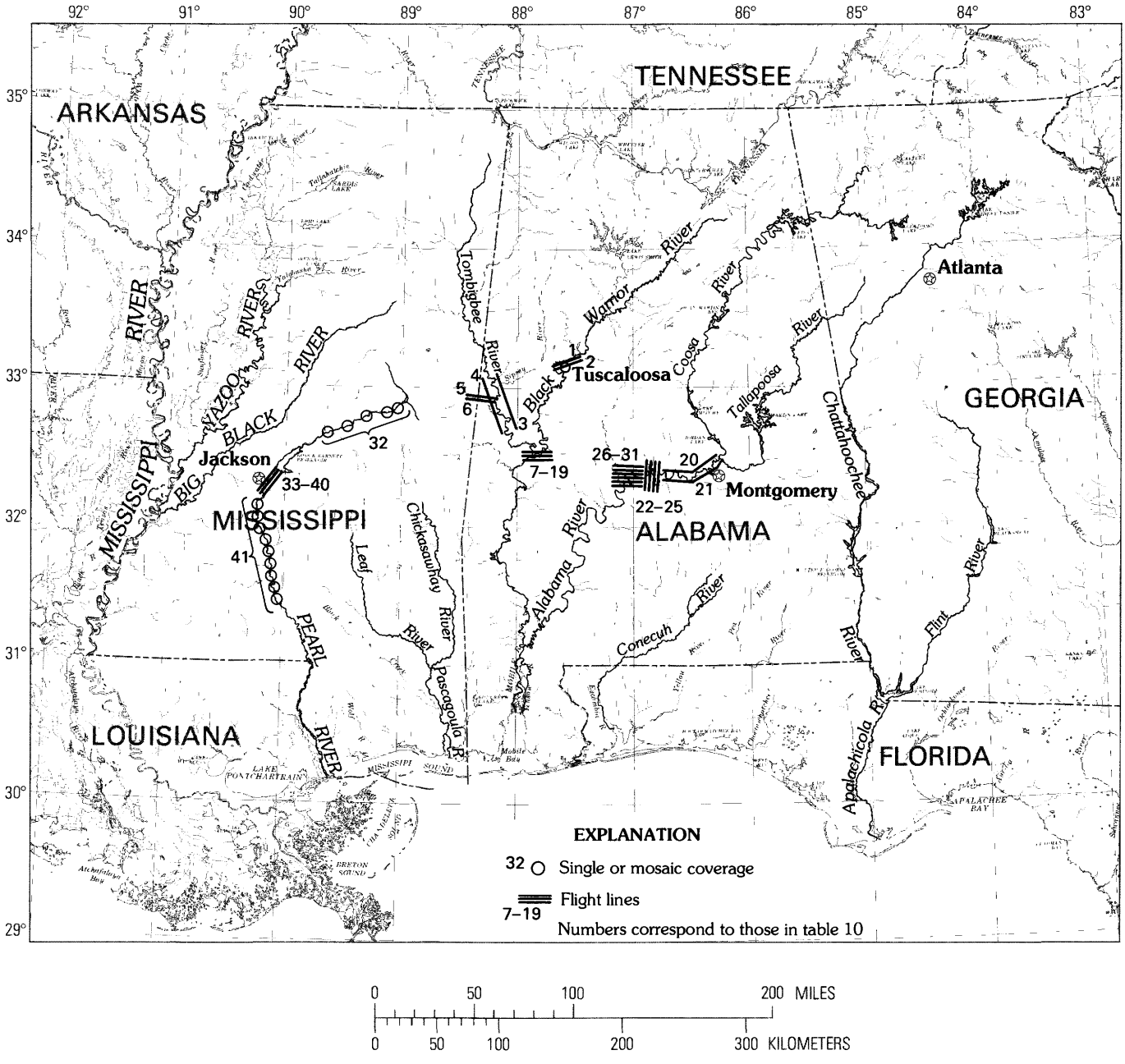

FIGURE 47.—Flight lines along streams where aerial photographs were obtained on or near the crest of the flood, April 1979.

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_____1980b, Vicksburg District, Post flood report flood of 1979: Vicksburg, Miss., U.S. Army Waterways Experiment Station, 93 p., 34 pl.

U.S. Water Resources Council, 1977, Guidelines for determining flood flow frequency: Washington, D.C., Water Resources Council, Hydrology Committee, Bulletin 17A, 163 p.

TABLES 1-10

TABLE 1.—*Supplementary rainfall data, storm of April 11-13, 1979*

LOCATION	LAT. N.	LONG. W.	AMTS. (IN.)	DATE	TIME CST	TYPE OF RAIN GAGE	ACCURACY	REMARKS
ALABAMA:								
Fayette Co.								
Belk	33° 39'	87° 56'	1.44	12	6 AM	12-in. CAP. Taylor	Good	Rain ended during night AM on 13th.
			6.50	13	6 AM			
Berry	33° 40'	87° 36'	12.00+			12-in. CAP. Taylor	Poor	Gage overflowed, but not known when overflow began. Rain ended during night AM on 13th.
Greene Co.								
Clinton	32° 54'	87° 59'	7.50	-	-	Test tube	Good	Exposure good.
Eutaw	32° 53'	87° 52'	9.00	-	-	Test tube	Good	Exposure good.
Lewiston(1)	33° 03'	88° 01'	10.75	-	-	6-in. Test Tube	Good	Rain began 2 AM on 12th and ended 9 AM on 13th.
Lewiston (2)	33° 02'	88° 02'	13.00	-	-	6-in. Test Tube	Poor	--
Pleasantridge(1)	32° 59'	88° 09'	11.00	-	-	8-in. Standard	Good	Exposure good.
Pleasantridge(2)	32° 55'	88° 08'	13.00	-	-	4-in. Test Tube	Good	Exposure good.
Snoddy	33° 02'	87° 53'	11.50	-	-	4-in. Test Tube	Good	Rain began 4 AM on 12th and ended 8 AM on 13th.
Lamar Co.								
Millport	33° 34'	88° 02'	1.75	12	5 PM	5-in. Cap. Taylor	Good	Rain began 4 AM on 12th and ended 6 AM on 13th.
			8.50	13	3:30PM			
			10.25					
Pickens Co.								
Aliceville	33° 08'	88° 10'	3.05	12	7 AM	8-in. Standard	Good	--
			8.57	13	7 AM			
			.03	14	7 AM			
			11.65					
Carrolton	33° 16'	88° 07'	10.00	12	1 PM	8-in. Standard	Good	--
			5.50	13	1 PM			
			15.50					
Dancy	33° 04'	88° 16'	8.00	-	-	5-in. Test Tube	-	--
Ethelsville(1)	33° 21'	88° 14'	10.00	-	-	4-in. Test Tube	Good	--
Ethelsville(2)	33° 27'	88° 15'	4.00+	12	AM	5-in. Test Tube	Fair	Rain began during night PM on 11th and ended in PM on 13th. Some splash out of the 12th and 13th observations.
			2.00	13	PM			
			10.00+					
Gordo (1)	33° 19'	87° 55'	8.00	-	-	4-in. Test Tube	Poor	Rain began 8 AM on 12th and ended 8 AM on 13th.
Gordo (2)	33° 19'	87° 53'	13.50	-	-	5-in. Test Tube	Good	Rain began 3 AM on 12th and ended 6 AM on 13th.
Pickensville (1)	33° 13'	88° 17'	3.38	12	7:30AM	8-in. Standard	Good	--
			12.34	13	7:30AM			
			15.72					
Pickensville(2)	33° 14'	88° 16'	3.60	12	9:30 AM	5-in. Test Tube	Good	--
			5.50	12	1:30 PM			
			4.00	12	4:00 PM			
			4.00	13	6:30 AM			
			.20	13	9:00 AM			
			17.30					
Reform (1)	33° 23'	88° 05'	3.50	12	7 AM	5-in. Test Tube	Good	Rain began 11 PM on 11th and ended during night AM on 13th. Observer has kept precip. log for over 20 years.
			8.60	13	7 AM			
			12.10					
Reform (2)	33° 20'	88° 07'	15.00	-	-	4-in. Test Tube	Good	Rain began 4 AM on 12th and ended 7 AM on 13th.
Reform (3)	33° 20'	88° 01'	15.50	-	-	5-in. Test Tube	Good	Rain began 2 AM on 12th and ended 2 PM on 13th.
Reform (4)	33° 21'	88° 01'	15.50	-	-	6-in. Test Tube	Good	Rain began 1 AM on 12th and ended noon on 13th.
Reform (5)	33° 23'	88° 00'	15.60	-	-	5-in. Test Tube	-	Rain began 2 AM on 12th and ended 8 AM on 13th.
Sumter Co.								
Panola (1)	32° 59'	88° 13'	9.75	-	-	6-in. Wedge	Good	
Panola (2)	32° 57'	88° 16'	10.60	-	-	6-in. Wedge	Good	Rain began 5 AM on 12th and ended 7 AM on 13th.

TABLE 1.—*Supplementary rainfall data, storm of April 11-13, 1979*—Continued

LOCATION	LAT. N.	LONG. W.	RAFL AMTS. (IN.)	DATE	TIME CST	TYPE OF RAIN GAGE	ACCURACY	REMARKS
ALABAMA: (continued)								
Tuscaloosa Co.								
Buhl	33° 14'	87° 44'	4.05	12	1 PM	8 in. Standard	Good	-
			5.82	13	1 PM			
			9.87					
Fosters	33° 07'	87° 38'	10.50	-	-	5-in. Test Tube	Fair	-
Moundsville	32° 29'	87° 33'	10.83	-	-	6-in. Wedge	Good	-
MISSISSIPPI:								
Attala Co.								
Ethel (1)	33° 11'	89° 29'	10.80	-	-	4-in. Test Tube	Good	Rain began AM on 12th and ended PM on 13th.
Ethel (2)	33° 12'	89° 28'	13.00	-	-	4-in. Test Tube	Fair	Rain began AM on 12th and ended PM on 13th.
Hesterville (1)	33° 09'	89° 44'	4.70	12	AM	6-in Cap. Test Tube	Good	Rain began PM on 11th and ended AM on 13th. Observer has maintained daily precipiation log for several years.
			4.30	12	PM			
			3.60	13	AM			
			12.60					
Hesterville (2)	33° 10'	89° 40'	5.80+	12	AM	6-in. Cap. Test Tube	Good	Rain began 9 PM on 11th and ended AM on 13th. Observation good except for some splash out on morning of 12th.
			3.70	12	PM			
			4.90	13	AM			
			14.40+					
Kosciusko (1)	33° 06'	89° 34'	4.50+	12	7 AM	5-in. Test Tube	Good	Rain began during night PM on 11th and ended AM on 13th. Good observation however some splash out probably occurred before reading at 7 AM on 12th.
			3.50	12	6 PM			
			3.20	13	7 AM			
			11.20					
Kosciusko (2)	33° 06'	89° 36'	13.68	-	-	-	-	-
Sallis (1)	32° 59'	89° 45'	5.00+	12	7 AM	5-in. Cap. Cone	Poor	Rain begain during night PM on 11th and ended AM on 13th
Sallis (2)	33° 02'	89° 43'	4.00+	12	AM	5-in. Test Tube	Fair	Rain began during night PM on 11th and ended AM on 13th.
			3.00	13	AM			Observation fair due to emotional state of Observer. Observer's home store sustained major flash flood damage. Observer awakened at 2:30 AM by rushing water in bedroom. He turned power off at 2:35 AM on 12th and before he could return to bedroom to awaken children a 3 ft wall of water tore outside door from facing and turned over coolers in the store.
			7.00+					
Sallis (3)	32° 56'	89° 42'	3.70	12	Noon	5-in. Test Tube	Good	Rain began during night PM on 11th and ended AM on 13th.
Sallis (4)	33° 00'	89° 40'	4.00+	12	7 AM	4-in. Test Tube	Good	Rain began during night AM on 11th and ended AM on 13th. Good observation except for some overflow during night of 11th and morning of 12th. Much evidence of flash flooding.
			2.80	12	6 PM			
			3.30	13	7 AM			
			10.10+					
Vaiden	33° 17'	89° 33'	10.50-11.00		-	4-in. Test Tube	Fair	Rain began AM on 12th and ended PM on 13th.
Zama	32° 58'	89° 23'	11.00+	-	-	Washtub	Poor	Rain began AM on 12th and ended PM on 13th. Washtub overflowed.
Choctaw Co.								
Ackerman (1)	33° 24'	89° 10'	9.25	-	-	4-in. Test Tube	Good	Rain began 7 AM on 12th and ended 1 PM on 12th

TABLE 1.—*Supplementary rainfall data, storm of April 11-13, 1979*—Continued

LOCATION	LAT. N.	LONG. W.	RAFL AMTS. (IN.)	DATE	TIME CST	TYPE OF RAIN GAGE	ACCURACY	REMARKS
MISSISSIPPI (continued)								
Ackerman (2)	33° 23'	89° 17'	8.90	-	-	Test Tube	-	Rain began 10 PM on 11th and ended 8 PM on 13th
Mathiston	33° 27'	89° 07'	10.25	-	-	5-in. Test Tube	Poor	Rain began 8 AM on 12th and ended 5:30 PM on 12th
McCool (1)	33° 19'	89° 25'	12.00+	-	-	-	Fair	-
McCool (2)	33° 10'	89° 19'	15.00	-	-	4-in. Test Tube	Fair	Rain began AM on 12th and ended PM on 13th.
Weir	33° 14'	89° 17'	13.00	-	-	Test Tube	Good	-
Kemper Co.								
Bluff Springs	32° 46'	88° 48'	9.00	-	-	5-in. Test Tube	Good	Rain began 9 PM on 11th and ended 8 PM on 12th.
Dekalb	32° 45'	88° 40'	10.94	-	-	-	-	-
Electric Mills (1)	32° 44'	88° 28'	5.00	12	1 PM	6-in	Fair	Rain began 8 AM on 11th and ended 8 AM on 13th.
			2.00	13	8 AM			
			7.00					
Electric Mills (2)	32° 45'	88° 28'	8.00	-	-	4-in.	Fair	Rain began 9 AM on 11th and ended 11 PM on 12th
Gholson	32° 55'	88° 45'	10.50	-	-	5-in. Plastic	-	-
Lynville (1)	32° 50'	88° 49'	3.30	11	-	4-in.	Fair	-
			3.00	12	-			
			6.30					
Lynville (2)	32° 50'	88° 49'	7.00	-	-	5-in.	Good	Rain began 7 PM on 11th and ended 7 AM on 13th.
Lynville (3)	32° 51'	88° 48'	2.00	12	6 AM	5-in. Wedge	-	Rain began 4:30 PM in 12th and ended 6:30 AM
			5.20	12	9 PM			on 13th.
			2.30	13	6:30 AM			
			9.50					
Lynville (4)	32° 51'	88° 49'	4.60	12	5:15 PM	6-in.	Good	Rain began 10 PM on 11th and ended 6:30 AM on
			5.50	13	6:30 AM			13th.
			10.19					
Lynville (5)	32° 52'	88° 49'	12.00	-	-	4-in.	Good	Rain began 10 PM on 11th and ended 6:30 AM on 13th
Porterville	32° 41'	88° 28'	8.00	-	-	4-in.	Fair	Rain began 1 PM on 11th and ended 1 PM on 13th.
Scooba (1)	32° 49'	88° 28'	10.00	-	-	4-in.	Good	Rain began 4 AM on 12th and ended 7 AM on 13th.
Scooba (2)	32° 49'	88° 24'	10.90	-	-	11-in.	Good	Rain began 4 AM on 12th and ended 8 AM on 13th.
Leake Co.								
Barnes	32° 54'	89° 30'	10.50	-	-	4-in. Test Tube	-	-
Carthage	32° 37'	89° 32'	9.00	-	-	6-in. Tall Plastic	-	-
Dossville	32° 56'	89° 33'	12.00	-	-	5-in. Plastic	-	-
Edinburg	32° 48'	89° 22'	11.00	-	-	#2 Washtub	-	-
Good Hope	32° 38'	89° 38'	11.00	-	-	#2 Washtub	-	-
Pearl Hill	32° 47'	89° 24'	9.50	-	-	6-in. Glass Tube	-	-
Renfroe	32° 52'	89° 28'	8.00	-	-	4-in Glass Tube	-	-
Singleton	32° 53'	89° 32'	10.00	-	-	#2 Wash Tub	-	-
Tuscola	32° 37'	89° 32'	9.00	-	-	-	-	-
Lowndes Co.								
Artesia (1)	33° 25'	88° 36'	13.20	-	-	6-in.	Good	Rain began 10 PM on 11th and ended 1 PM on 13th.
Artesia (2)	33° 25'	88° 38'	13.25	-	-	6-in.	Good	Rain began 10 PM on 11th and ended 7 AM on 13th.
Artesia (3)	33° 25'	88° 36'	13.30	-	-	6-in.	Good	Rain began 10 PM on 11th and ended 1 PM on 13th.
Bent Oak (1)	33° 24'	88° 30'	3.50	12	8 AM	5-in.	Good	Rain began early AM on 12th (10 minutes after
			5.00	12	5:30 PM			midnight)
			3.00	13	8 AM			
			11.50					

TABLE 1.—*Supplementary rainfall data, storm of April 11-13, 1979*—Continued

LOCATION	LAT. N.	LONG. W.	RAFL AMTS. (IN.)	DATE	TIME CST	TYPE OF RAIN GAGE	ACCURACY	REMARKS
MISSISSIPPI (continued)								
Bent Oak (2)	33° 24'	88° 30'	4.50	12	Noon	5-in.	Good	Rain began early AM on 12th (12:05 AM)
			5.10	12	5 PM			
			2.30	13	Noon			
			11.90					
Columbus (1)	33° 38'	88° 27'	.05	11	9 PM	8-in. Standard	Good	-
			5.76	12	-			
			2.25	13	-			
			8.06					
Columbus (2)	33° 21'	88° 18'	11.50	-	-	5-in.	Good	-
Columbus (3)	33° 28'	88° 33'	13.80	-	-	25-in. Tall and 20-in. diameter container	Good	-
Crawford (1)	33° 18'	88° 31'	4.00	12	8 AM	5-in. Wedge	Good	Rain began 3 AM on 12th and ended 8 AM on 13th.
			5.00	12	1 PM			
			.90	12	5 PM			
			3.40	13	8 PM			
			13.30					
Crawford (2)	33° 18'	88° 38'	3.50	12	8 AM	4-in.	Good	-
			3.50	12	11:30 AM			
			3.30	12	4:30 PM			
			3.00	13	8 AM			
			13.30					
Kolola Spgs (1)	33° 44'	88° 16'	4.50	-	-	5-in.	Fair	Rain began 11 PM on 11th and ended 5 PM on 13th.
Kolola Spgs (2)	33° 39'	88° 24'	8.95	-	-	6-in.	Good	Rain began 11 PM on 11th and ended 6 PM on 13th.
Trinity (1)	33° 18;	77° 26'	5.00	12	10:30 AM	6-in.	Good	Rain began 3:30 PM on 12th and ended 11 AM on 13th.
			5.00	13	11 AM			
			10.00					
Trinity (2)	33° 20'	88° 27'	13.00	-	-	5-in. Wedge	Fair	Rain began 8 PM on 11th and ended 8 PM on 13th.
Madison Co.								
Sharon	32° 42'	89° 54'	12.05	-	-	8-in. Standard	-	-
Neshoba Co.								
Burnsides (1)	32° 53'	89° 06'	12.00	-	-	#3 Washtub	-	-
Burnsides (2)	32° 51'	89° 06'	12.00	-	-	#3 Washtub	-	-
Dixson	32° 40'	89° 13'	5.50	-	-	6-in. Glasstube	-	-
Linwood	32° 40'	89° 11'	5.30	-	-	6-in. Wedge	-	-
Neshoba	32° 38'	89° 09'	5.00	-	-	6-in. Glass Tube	-	-
Philadelphia	32° 48'	89° 00'	10.67	-	-	8-in. Standard	-	-
Stallo	32° 55'	89° 06'	12.00	-	-	Foot Tub	-	-
Union (1)	32° 38'	89° 08'	7.20	-	-	5-in. Glass Tube	-	-
Union (2)	32° 37'	89° 16'	7.50	-	-	6-in. Glass Tube	-	-
Zaphyr Hill	32° 46'	89° 14'	7.50	-	-	8-in. Standard	-	-
Noxubee Co.								
Brooksville (1)	33° 14'	88° 35'	13.25	-	-	-	-	Rain began morning of 11th and ended afternoon 12th
Brooksville (2)	33° 14'	88° 40'	14.10	-	-	-	-	Rain began 3 AM on 11th and ended 7 AM on 12th.
Brooksville (3)	33° 15'	88° 34'	15.60	-	-	8-in. Standard	-	-
Brooksville (4)	33° 14'	88° 46'	17.00	-	-	Can 14'14-in. High	Good	-

TABLE 1.—*Supplementary rainfall data, storm of April 11-13, 1979*—Continued

LOCATION	LAT. N.	LONG. W.	RAFL AMTS. (IN.)	DATE	TIME CST		TYPE OF RAIN GAGE	ACCURACY	REMARKS
MISSISSIPPI (continued									
Macon (1)	33° 07'	88° 38'	9.93	-	-		8-in. Standard	-	-
Macon (2)	33° 07'	88° 34'	4.20	12	8	AM	15-in. Tube	-	Rain began approximately 4 AM on 12th and ended
			8.90	13	7	AM			8 AM on 13th
			.10	13	3	PM			
			13.20						
Macon (3)	33° 04'	88° 45'	16.00	-	-		Test Tube	Good	Rain began 4:30 AM on 12th and ended during night AM on 13th.
Prairie Point	33° 11'	88° 23'	13.00	-	-		-	-	-
Prairie Point	33° 09'	88° 26'	15.00	-	-		-	-	-
Oktibbeha Co.									
Longview (1)	33° 24'	88° 54'	14.50+	-	-		-	-	-
Longview (2)	33° 24'	88° 54'	15.00	-	-		6-in. Plastic	-	-
Starkville (1)	33° 26'	88° 47'	5.00	12		AM	5-in.	-	-
			2.50	12		AM			
			2.25	12		PM			
			4.50	13		AM			
			14.25						
Starkville (2)	33° 20'	88° 45'	15.00	-	-		-	-	-
Starkville (3)	33° 27'	88° 47'	5.80	12	8	AM	6-in.	Good	-
			5.90	12	2	PM			Rain began 10 PM 11th and ended 8 AM on 13th.
			4.80	13	8	AM			
			16.50						
Starkville (4)	33° 26'	88° 46'	16.50	-	-		-	-	-
Sturgis (1)	33° 19'	89° 01'	15.00+	-	-		-	-	-
Sturgis (2)	33° 17'	88° 59'	16.50	-	-		-	-	-
Webster Co.									
Mathiston	33° 33'	89° 06'	5.50	-	-		5-in.	Good	Rain began 8 AM on 12th and ended 8 AM on 13th.
Winston Co.									
Betheden (1)	33° 17'	88° 54'	13.56	12	5	PM			
			4.05	13	5	PM			
			17.61						
Betheden (2)	33° 16'	88° 55'	17.61	-	-		-	-	-
Fearns Springs	32° 58'	88° 53'	12.00	-	-		5-in.	-	-
Louisville (1)	33° 01'	88° 51'	10.40	12	6:30	PM	Small Wedge	Good	-
			2.60	13	6:30	PM			
			13.00						
Louisville (2)	32° 59'	88° 59'	13.00+	-	-		13-in. Can	Fair	Rain began 10 PM on 11th and ended 3 AM on 13th.
Louisville (3)	33° 05'	89° 09'	5.00+	12	7	AM	5-in.	Poor	-
			3.50	12	11	AM			
			4.70	12	7	PM			
			3.60	12	11	PM			
			16.80+						
Louisville (4)	33° 07'	89° 03'	17.65	-	-		6-in. Wedge	Good	-
Louisville (5)	33° 12'	89° 02'	19.35	-	-		8-in. Standard	-	-
Louisville (6)	33° 10'	89° 05'	12.75	12	8	AM	—	Good	-
			6.60	13	8	AM			
			19.35						
Louisville (7)	33° 06'	88° 53'	21.50-22.00	-	-		5-gal. Grease Bucket	-	-
Noxapater (1)	32° 59'	89° 04'	13.80	-	-		-	-	-
Noxapater (2)	33° 00'	89° 00'	13.00-15.00	-	-		5-gal. Bucket	Poor	-

TABLE 2.—*Summary of flood stages and discharges*

Site number	Permanent station number	Stream and place of determination	Drainage area (mi^2)	Datum of gage above National Geodetic Vertical Datum of 1929 (ft)	Period of known floods	Maximum previously known[a]			Maximum during flood April 1979				Discharge of 100-year flood (ft^3/s)
						Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)	Discharge (ft^3/s per mi^2)	
		APALACHICOLA RIVER BASIN											
1	02336000	Chattahoochee River at Atlanta, Ga...	1,450	750.10	1880-1979	December 1919	29.0	64,000	Apr. 13	22.3	[b] 26,700	18.4	-
2	02336300	Peachtree Creek at Atlanta, Ga.....	86.8	763.96	1948-79	Mar. 16, 1976	20.30	8,660	Apr. 13	19.0	7,910	91.1	-
3	02337000	Sweetwater Creek near Austell, Ga....	246	857.81	1916-79	July 8, 1916	20.0	12,600	Apr. 14	17.5	7,500	30.5	13,200
4	02337170	Chattahoochee River near Fairburn, Ga.....	2,060	719.07	1919-79	December 1919	29.8	87,000	Apr. 14	25.2	[b] 37,400	18.2	-
5	02338000	Chattahoochee River near Whitesburg, Ga.....	2,430	682.06	1896-1979	December 1919	-	100,000	Apr. 14	23.8	[b] 43,400	17.9	-
		COOSA RIVER BASIN											
6	02383500	Coosawattee River at Pine Chapel, Ga.....	856	616.16	1938-79	Mar. 30, 1951	30.80	40,200	Apr. 14	29.23	[c] 21,400	25.0	-
7	02387500	Oostanaula River at Resaca, Ga.....	1,610	604.14	1834-1979	Apr. 1, 1886	36.3	68,600	Apr. 15	27.5	[c] 25,000	15.5	-
8	02388000	West Armuchee Creek near Subligna, Ga.....	34.5	[d] 750	1951-79	Mar. 29, 1951	12.10	12,400	Apr. 13	8.62	3,160	91.8	10,400
9	02388500	Oostanaula River at Rome, Ga.....	2,120	561.70	1834-1979	Apr. 1, 1886	-	70,000	Apr. 16	35.0	[c] 31,000	14.6	-
10	02392000	Etowah River at Canton, Ga.....	605	844.55	1892-1979	January 1892	25.0	36,700	Apr. 14	23.7	20,500	33.9	42,200
11	02395000	Etowah River near Kingston, Ga.....	1,630	609.97	1916-79	Dec. 11, 1919	-	52,000	Apr. 13	21.2	[e] 25,900	15.9	-
12	02396000	Etowah River at Rome, Ga.....	1,810	561.70	1916-79	Dec. 11, 1919	-	52,000	Apr. 14	35.5	[e] 34,000	18.8	—
13	02397000	Coosa River near Rome, Ga.....	4,040	553.05	1834-1979	Apr. 1, 1886	43.0	100,000	Apr. 14	35.0	[f] 60,500	15.0	-
14	02397500	Cedar Creek near Cedartown, Ga.....	109	724.22	1886-1979	Apr. 4, 1974	16.40	8,820	Apr. 14	16.7	11,400	105	17,200
15	02398000	Chattooga River at Summerville, Ga...	193	613.47	1938-79	Mar. 29, 1951	21.0	24,500	Apr. 13	16.9	10,200	52.8	28,700
16	02398300	Chattooga River above Gaylesville, Ala.....	368	562.11	1951-79	Mar. 30, 1951	23.48	33,700	Apr. 13	21.17	14,500	39.4	29,900
17	02399200	Little River near Blue Pond, Ala.....	194	581.38	1958-79	Mar. 4, 1966 Mar. 4, 1979	14.45 14.09	32,200 29,600	Apr. 13	14.30	31,000	160	33,600
18	02399499	Weiss Reservoir, near Centre, Ala....	5,270	0.00	1961-79	Apr. 15, 1964	569.11	[g] 244.2	Apr. 16	570.37	[g] 270.2	-	-
19	02399500	Weiss Dam near Centre, Ala.....	5,270	0.00	1938-58 1961-79	Feb. 14, 1946 Jan. 24, 1947	[h] 552.87 [h] 552.87	73,200 73,200	Apr. 16	-	[i] 49,700	7.9	-
20	02400033	Nances Creek near White Plains, Ala.	4.60	[d] 770	1970-79	Apr. 4, 1974	7.53	1,430	Apr. 13	5.83	935	203	[j] 2,530

See footnotes at end of table.

TABLE 2.—*Summary of flood stages and discharges*—Continued

Site number	Permanent station number	Stream and place of determination	Drainage area (mi^2)	Datum of gage above National Geodetic Vertical Datum of 1929 (ft)	Period of known floods	Maximum previously known[a] Date	Gage height (ft)	Discharge (ft^3/s)	Maximum during flood April 1979 Date	Gage height (ft)	Discharge (ft^3/s)	Discharge (ft^3/s per mi^2)	Discharge of 100-year flood (ft^3/s)
		COOSA RIVER BASIN—Continued											
21	02400100	Terrapin Creek near Ellisville, Ala...	258	539.07	1963-79	Mar. 4, 1979	19.72	19,700	Apr. 13	17.68	12,400	48.1	27,100
22	02400500	Coosa River at Gadsden, Ala.....	5,800	485.97	1886-1979	Apr. 6, 1886	37.9	115,000	Apr. 14	27.45	[k] 56,100	9.7	-
23	02401000	Big Wills Creek near Crudup, Ala.....	185	[d] 570	1944-79	1884	16.3	18,000	Apr. 13	13.48	10,000	53.5	16,300
24	02401390	Big Canoe Creek at Ashville, Ala.....	148	[d] 535	1966-79	Mar. 4, 1979	17.39	9,940	Apr. 13	18.75	13,600	91.9	14,000
25	02401450	Gulf Creek near Steele, Ala.....	13.1	-	1976-79	Apr. 4, 1977	6.57	1,780	Apr. 13	5.57	1,320	101	-
26	02401620	H. Neely Henry Reservoir, Ala.....	6,590	0.00	1966-79	Oct. 19, 1966	508.52	[g] 63.9	Apr. 13	502.57	[g] 35.4	-	-
27	02401621	H. Neely Henry Dam, Ala.....	6,590	0.00	1966-79	-	-	-	Apr. 13	502.48	93,700	14.2	-
28	02404000	Choccolocco Creek near Jenifer, Ala...	281	554.15	1904-07, 1930-32, 1936-70, 1979	Apr. 30, 1963	17.68	22,500	Apr. 13	17.85	23,000	81.9	36,800
29	02404245	Cheaha Creek near Talladega, Ala.....	69.2	-	1951-79	Mar. 29, 1951	20.2	16,000	Apr. 13	13.2	3,400	49.1	17,900
30	02404400	Choccolocco Creek at Jackson Shoals, Ala.....	484	448.50	1961-79	Apr. 30, 1963 Mar. 4, 1979	39.98 37.76	36,900 30,100	Apr. 13	37.76	30,100	62.2	49,700
31	02405200	Logan Martin Reservoir, Ala.....	7,770	0.00	1964-79	Apr. 6, 1977	475.31	[g] 239.8	Apr. 15	474.04	[g] 224.5	-	-
32	02405201	Logan Martin Dam, Ala.....	7,770	-	1964-79	-	-	-	Apr. 15	474.03	115,000	14.8	-
33	02405500	Kelly Creek near Vincent, Ala.....	192	404.09	1952-70, 1979	Feb. 22, 1961	27.08	30,900	Apr. 13	27.39	33,400	174	26,900
34	02406500	Talladega Creek at Alpine, Ala.....	148	431.34	1901-04, 1939-70, 1979	Mar. 29, 1951	16.60	39,000	Apr. 13	14.81	11,300	76.4	23,900
35	02407000	Coosa River at Childersburg, Ala.....	8,390	382.45	1914-79	Mar. 30, 1951 Mar. 5, 1979	30.1 25.16	146,000 116,000	Apr. 14	28.99	[f] 149,000	17.8	-
36	02407500	Yellowleaf Creek near Wilsonville, Ala.....	97.2	430.56	1951-70, 1979	Feb. 21, 1961	25.20	26,700	Apr. 13	23.17	16,200	167	18,500
37	02407680	Waxahatchee Creek near Columbiana, Ala.....	32.7	-	1971-79	Mar. 29, 1977	16.32	8,320	Apr. 13	15.90	7,990	242	-
38	02407950	Lay Lake near Clanton, Ala.....	9,090	0.00	1939-79	-	-	-	Apr. 13	396.08	[g] 132.2	-	-
39	02407951	Lay Dam near Clanton, Ala.....	9,090	0.00	1939-79	-	-	-	Apr. 13	395.95	197,000	21.7	-

See footnotes at end of table.

TABLE 2.—*Summary of flood stages and discharges*—Continued

Site number	Permanent station number	Stream and place of determination	Drainage area (mi^2)	Datum of gage above National Geodetic Vertical Datum of 1929 (ft)	Period of known floods	Maximum previously known[a]			Maximum during flood April 1979				Discharge of 100-year flood (ft^3/s)
						Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)	Discharge (ft^3/s per mi^2)	
		COOSA RIVER BASIN--Continued											
40	02408340	Little Hatchet Creek near Goodwater, Ala.....	9.94	-	1967-72, 1979	Apr. 5, 1968	6.68	1,160	Apr. 13	13.71	6,580	662	[g] 3,860
41	02408500	Hatchet Creek near Rockford, Ala..	244	[d] 450	1945-79	Mar. 4, 1979	27.03	35,000	Apr. 13	31.83	66,000	270	37,600
42	02409000	Weogufka Creek near Weogufka, Ala.	73.6	593.08	1951-70, 1979	Mar. 29, 1951	16.8	24,200	Apr. 13	15.41	15,200	207	18,100
43	02409400	Mitchell Reservoir near Verbena, Ala.....	9,830	0.00	1939-79	-	-	-	Apr. 13	316.6	[g] 102.7	-	-
44	02409401	Mitchell Dam near Verbena, Ala....	9,830	0.00	1939-79	-	-	-	Apr. 13	316.6	281,000	28.6	-
45	02409540	Proctor Creek near Rockford, Ala..	1.02	-	1972-79	Jan. 21, 1976 Mar. 4, 1979	8.38 8.33	990 981	Apr. 13	6.39	685	672	-
46	02410000	Paterson Creek near Central, Ala..	4.95	[d]/440	1953-79	Aug. 2, 1969	10.10	4,310	Apr. 13	8.10	1,090	220	[j] 2,480
47	02410400	Jordan Lake near Wetumpka, Ala....	10,200	0.00	1953-79	-	-	-	Apr. 13	256.79	[g] 136.3	-	-
48	02411000	Coosa River at Jordan Dam, Ala....	10,200	141.6	1913-14, 1927-79	Apr. 8, 1938 Mar. 4, 1979	46.4 41.76	298,000 256,000	Apr. 13	47.67	[f] 316,000	31.0	-
49	02411600	Coosa River at Wetumpka, Ala.[n]...	[m] 10,200	113.72	-	Apr. 1, 1886	61.7	-	Apr. 14	55.83	-	-	-
50	02411800	Little River near Buchanan, Ga....	18	[d] 1,110	1960-79	Mar. 4, 1966	12.58	3,820	Apr. 13	8.89	1,900	105	5,640
51	02412000	Tallapoosa River near Heflin, Ala.	444	[d] 830	1953-79	Mar. 31, 1977 Mar. 5, 1979	31.34 28.05	32,500 23,100	Apr. 14	27.17	20,900	47.0	28,600
52	02412500	Tallapoosa River near Ofelia, Ala.	787	[d] 665	1939-70, 1979	December 1919	21	41,000	Apr. 14	18.52	31,500	40.0	46,900
53	02413300	Little Tallapoosa River near Newell, Ala.....	401	813.96	1975-79	February 1975 Mar. 4, 1979	19.3 15.45	- 8,050	Apr. 13	17.80	12,700	31.7	-
54	02413400	Wedowee Creek above Wedowee, Ala..	6.5	[d] 1,050	1960-72	Oct. 1, 1965	7.38	1,490	Apr. 13	8.22	1,900	292	[j] 2,890
55	02413475	Wedowee Creek near Wedowee, Ala...	51.1	772.09	1951-75, 1979	Feb. 25, 1961	13.01	4,120	Apr. 13	14.1	4,870	95.3	7,500
56	02413500	Little Tallapoosa River near Wedowee, Ala.....	592	[d]/680	1940-70, 1979	Feb. 25, 1961	22.58	25,500	Apr. 13	22.72	26,000	43.9	33,700
57	02414500	Tallapoosa River at Wadley, Ala...	1,660	599.87	1924-79	Mar. 4, 1979	28.23	76,200	Apr. 14	30.57	89,100	53.7	81,200

See footnotes at end of table.

TABLE 2.—*Summary of flood stages and discharges*—Continued

Site number	Permanent station number	Stream and place of determination	Drainage area (mi^2)	Datum of gage above National Geodetic Vertical Datum of 1929 (ft)	Period of known floods	Maximum previously known[a]			Maximum during flood April 1979				Discharge of 100-year flood (ft^3/s)
						Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)	Discharge (ft^3/s per mi^2)	
		COOSA RIVER BASIN--Continued											
58	02414765	Enitachopco Creek below Ashland, Ala.	25.8	-	1972-79	Mar. 4, 1979	15.38	8,820	Apr. 13	12.80	3,640	141	-
59	02414800	Harbuck Creek near Hackneyville, Ala.	6.7	[d] 710	1951-70	May 22, 1955	8.9	3,320	Apr. 14	11.87	6,260	934	[j] 3,080
60	02415000	Hillabee Creek near Hackneyville, Ala.	196	557.92	1953-73	Apr. 5, 1957	25.7	15,600	Apr. 13	28.10	26,400	135	25,300
61	02417400	Stearns Creek near Seman, Ala.	1.28	[d] 650	1966-71	Aug. 2, 1969	6.57	676	Apr. 13	5.24	329	257	[j] 928
62	02417500	Lake Martin near Tallassee, Ala.	3,000	0.00	1927-79	Mar. 15, 1929	491.10	[g] 841.8	Apr. 14	490.85	[g] 836.8	-	-
63	02417501	Martin Dam near Tallassee, Ala.	3,000	0.00	1927-79	-	-	-	Apr. 13	490.81	142,000	47.3	-
64	02418500	Tallapoosa River below Tallassee, Ala.	3,320	164.01	1929-79	December 1919	-	177,000	Apr. 14	48.6	[p] 128,000	38.6	-
65	02419000	Uphapee Creek near Tuskegee, Ala.	330	223.65	1940-79	Apr. 9, 1964	28.18	32,200	Apr. 15	6.65	1,320	4.0	41,000
66	02419500	Tallapoosa River at Milstead, Ala.[n]	3,750	153.84	1898-1979	Dec. 10, 1919	54.0	-	Apr. 14	49.63	-	-	-
67	02419890	Tallapoosa River near Montgomery, Ala.[n]	4,600	129.13	1966-70, 1972-79	Feb. 26, 1961	41.9	-	Apr. 14	38.48	-	-	-
		ALABAMA RIVER BASIN											
68	02419988	Alabama River at Montgomery, Ala.	15,000	103.30	1890-1979	Feb. 26, 1961	58.1	-	Apr. 16	52.9	-	-	-
69	02420000	Alabama River near Montgomery, Ala.	15,100	97.90	1886-1904, 1927-79	Apr. 1, 1886	62.7	322,000	Apr. 16	54.50	[f] 260,000	17.2	-
70	02420500	Autauga Creek at Prattville, Ala.	109	164.38	1939-70, 1979	Dec. 9, 1919	-	23,000	Apr. 13	7.88	5,840	53.6	14,500
71	02421300	Ivy Creek near Mulberry, Ala.	10.5	[d] 210	1961-72	Apr. 4, 1964	15.81	2,440	Apr. 13	7.63	1,060	101	[j] 3,960
72	02421351	Alabama River at Jones Bluff lock and dam, Ala.	16,300	0.00	1972-79	Mar. 7, 1979	128.7	-	Apr. 17	138.16	-	-	-
73	02422500	Mulberry Creek at Jones, Ala.	208	165.23	1938-79	April 1938	33.6	48,000	Apr. 14	25.76	20,900	100	35,000
74	02423000	Alabama River at Selma, Ala.	17,100	61.80	1886-1979	Apr. 8, 1886 Mar. 1, 1961	57.0 57.97	248,000 284,000	Apr. 18	55.02	[f,g] 211,000	12.3	-
75	02423425	Cahaba River at Cahaba Heights, Ala.	201	-	1975-79	Apr. 5, 1977	21.67	14,400	Apr. 13	28.86	23,500	117	-

See footnotes at end of table.

TABLE 2.—*Summary of flood stages and discharges*—Continued

Site number	Permanent station number	Stream and place of determination	Drainage area (mi^2)	Datum of gage above National Geodetic Vertical Datum of 1929 (ft)	Period of known floods	Maximum previously known[a]			Maximum during flood April 1979				Discharge of 100-year flood (ft^3/s)
						Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)	Discharge (ft^3/s per mi^2)	
		ALABAMA RIVER BASIN--Continued											
76	02423500	Cahaba River near Acton, Ala.....	230	375.00	1939-57, 1961-79	Dec. 29, 1942	44.23	25,500	Apr. 13	42.84	24,000	104	31,300
77	02423630	Shades Creek near Greenwood, Ala....	72.4	480.37	1965-79	Mar. 20, 1970	13.04	7,220	Apr. 13	13.19	11,000	152	10,800
78	02423647	Cahaba River near West Blocton, Ala.	529	[d] 240	1976-79	Mar. 16, 1976	18.75	36,900	Apr. 13	19.97	41,200	69.6	-
79	02424000	Cahaba River at Centreville, Ala....	1,029	180.74	1902-79	Apr. 8, 1938 Mar. 29, 1951	36.63 34.80	82,800 83,600	Apr. 13	35.03	78,400	76.2	112,000
80	02424940	Oakmulgee Creek near Augustin, Ala..	215	139.71	1975-79	Mar. 5, 1979	19.53	12,900	Apr. 14	19.48	12,800	59.5	-
81	02425000	Cahaba River near Marion Junction, Ala.....	1,768	86.72	1939-79	Feb. 24, 1961	43.8	85,000	Apr. 15	41.13	73,900	41.8	117,000
82	02425200	Big Swamp Creek near Orrville, Ala..	37.8	87.74	1972-79	Mar. 31, 1976	14.03	3,320	Apr. 4	14.05	3,330	88.1	-
83	02426000	Boguechitto Creek near Browns, Ala..	104	129.36	1943-73	Dec. 28, 1942	20.7	19,000	Apr. 13	17.64	10,600	102	21,600
84	02427506	Alabama River near Millers Ferry lock and dam, Ala.....	20,700	19.00	1969-79	Apr. 5, 1976	60.3	-	Apr. 21	81.06	[f] 260,000	12.6	-
85	02429500	Alabama River at Claiborne, Ala.....	22,000	0.40	1931-79	Mar. 7, 1961	55.15	267,000	Apr. 22	51.24	[f] 217,000	9.9	-
		TOMBIGBEE RIVER BASIN											
86	02439000	Buttahatchee River near Sulligent Ala.....	472	287.58	1939-79	Mar. 17, 1973	17.31	60,100	Apr. 13	15.44	15,900	33.7	57,000
87	02439400	Buttahatchee River near Aberdeen, Miss.....	787	220.77	1967-79	Mar. 17, 1973	23.48	80,000	Apr. 14	17.74	17,900	24.6	63,300
88	02441000	Tibbee Creek near Tibbee, Miss.....	928	154.07	1892-1979	Mar. 17, 1973	32.26	81,600	Apr. 14	27.51	32,100	34.6	87,000
89	02441220	Sand Creek tributary near Mayhew, Miss.....	0.44	-	1966-79	July 9, 1968	7.02	280	Apr. 14	6.98	275	625	424
90	02441300	Catalpa Creek at Mayhew, Miss.....	98.2	173.02	1963-79	Mar. 13, 1975	20.40	14,800	Apr. 14	21.52	19,800	202	22,800
91	02441500	Tombigbee River at Columbus, Miss...	4,490	128.91	1867-1979	Apr. 8, 1892 Mar. 19, 1973	[r] 173.0 42.22	[s] 268,000 194,000	Apr. 14	35.33	80,400	17.9	223,000
92	02442000	Luxapallila Creek near Fayette, Ala.....	127	322.33	1945-70	Dec. 18, 1967	13.48	12,300	Apr. 13	13.0	9,500	74.8	12,900
93	02442500	Luxapallila Creek near Millport, Ala.....	241	243.65	1955-59	Apr. 4, 1957	11.8	5,060	Apr. 13	13.93	6,500	27.0	-

See footnotes at end of table.

TABLE 2.—*Summary of flood stages and discharges*—Continued

Site number	Permanent station number	Stream and place of determination	Drainage area (mi^2)	Datum of gage above National Geodetic Vertical Datum of 1929 (ft)	Period of known floods	Maximum previously known[a/]			Maximum during flood April 1979				Discharge of 100-year flood (ft^3/s)
						Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)	Discharge (ft^3/s per mi^2)	
		TOMBIGBEE RIVER BASIN—Continued											
94	02443000	Luxapallila Creek at Steens, Miss...	309	179.45	1944-47, 1950-79	Feb. 23, 1961	18.90	14,200	Apr. 14	18.73	14,200	46.0	19,900
95	02443230	Mud Creek near Fernbank, Ala.....	35.8	-	1971-79	Mar. 13, 1975	34.46	-	Apr. 13	34.91	-	-	-
96	02443500	Luxapallila Creek near Columbus, Miss.....	726	142.23	1928-30, 1975-79	Apr. 5, 1977	28.35	22,200	Apr. 14	32.35	40,400	55	-
97	02444000	Coal Fire Creek near Pickensville, Ala.....	131	148.50	1955-79	Mar. 20, 1970	10.45	9,820	Apr. 13	11.73	-	-	12,000
98	02444500	Tombigbee River near Cochrane, Ala..	5,990	89.85	1939-79	Mar. 31, 1973	47.37	166,000	Apr. 14	43.22	106,000	17.7	175,000
99	02445000	Lubbub Creek near Carrollton, Ala...	116	174.24	1955-67, 1969-79	Feb. 22, 1961	11.97	8,210	Apr. 13	16.00	19,200	165	11,000
100	02445500	Sipsey River at Fayette, Ala.....	276	296.72	1939-59	Jan. 7, 1950 Mar. 29, 1951	-	20,500	Apr. 14	19.59	12,000	43.5	20,500
101	02446500	Sipsey River near Elrod, Ala.....	518	197.81	1930-71	Feb. 23, 1961	18.83	27,800	Apr. 13	17.85	23,100	44.6	32,200
102	02447200	Noxubee River near Starkville, Miss. (Includes Sand Creek).....	184	0.00	1979	-	-	-	Apr. 12	258.41	62,600	340	-
103	02447390	Chinchahoma Creek near Starkville, Miss.....	11.5	0.00	1979	-	-	-	Apr. 12	255.87	[s/] 6,500	565	-
104	02447500	Noxubee River near Brooksville, Miss.....	440	180.03	1940-73	Mar. 29, 1951	23.88	41,600	Apr. 12	28.3	[s/] 76,000	173	54,500
105	02447796	Horse Hunter Creek near Macon, Miss.....	20.9	-	1979	-	-	-	Apr. 12	90.92	10,900	522	-
106	02447800	Hashuqua Creek near Macon, Miss.....	95.1	-	1951-70, 1976, 1979	Apr. 10, 1969	97.69	11,700	Apr. 12	100.04	28,000	294	29,900
107	02448000	Noxubee River at Macon, Miss.....	768	142.38	1892-1919	July 1942 Mar. 30, 1951	34 32.97	- 52,000	- Apr. 13	- 38.97	- 125,000	- 163	- 63,300
108	02448250	Plum Creek at Highway 14 near Macon, Miss.....	27.8	0.00	1979	-	-	-	Apr. 12	179.36	10,000	360	-
109	02448500	Noxubee River near Geiger, Ala.....	1,140	86.08	1940, 1945-79	Mar. 31, 1951	33.9	37,600	Apr. 14	48.58	156,000	137	63,900
110	02448507	Woodward Creek at Highway 14 near McLeod, Miss.....	10.0	0.00	1979	-	-	-	Apr. 12	197.10	5,800	580	-

See footnotes at end of table.

TABLE 2.—*Summary of flood stages and discharges*—Continued

Site number	Permanent station number	Stream and place of determination	Drainage area (mi^2)	Datum of gage above National Geodetic Vertical Datum of 1929 (ft)	Period of known floods	Maximum previously known[a]			Maximum during flood April 1979				Discharge of 100-year flood (ft^3/s)
						Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)	Discharge (ft^3/s per mi^2)	
		TOMBIGBEE RIVER BASIN--Continued											
111	02448511	Woodward Creek tributary near McLeod, Miss.	2.48	0.00	1979	-	-	-	Apr. 12	201.04	1,600	645	-
112	02448620	Flat Scooba tributary near Scooba, Miss.	.44	-	1967-79	Apr. 13, 1974	6.71	239	Apr. 12	8.87	427	970	322
113	02449000	Tombigbee River at Gainesville, Ala.	8,700	63.29	1939-79	Mar. 23, 1973	54.21	172,000	Apr. 15	56.28	261,000	30.0	205,000
114	02449245	Brush Creek near Eutaw, Ala.	42.7	105.92	1971-79	Mar. 21, 1977	20.61	4,650	Apr. 13	22.68	8,560	200	-
115	02449500	Tombigbee River at Epes, Ala.	8,700	53.15	1901-79	Apr. 6, 1944	51.0	108,000	Apr. 16	55.77	247,000	28.4	-
116	02450000	Mulberry Fork near Garden City, Ala.	368	380.54	1929-79	Feb. 4, 1936	24.0	46,600	Apr. 13	20.68	39,600	108	49,900
117	02450250	Sipsey Fork near Grayson, Ala.	91.3	[d] 540	1967-79	Mar. 16, 1973	44.27	20,300	Apr. 13	24.68	6,780	74.3	26,600
118	02451950	Lewis Smith Reservoir, Ala.	944	0.00	1960-79	Mar. 19, 1973	521.17	[e] 831.6	Apr. 16	518.73	[e] 802.2	-	-
119	02453000	Blackwater Creek near Manchester, Ala.	118	401.04	1939-71, 1979	Feb. 23, 1961	13.10	10,600	Apr. 14	11.68	8,550	45.5	10,600
120	02454000	Lost Creek near Oakman, Ala.	130	[d] 280	1952-70	Feb. 23, 1961	30.73	19,400	Apr. 13	27.92	14,000	108	18,100
121	02454200	Wolf Creek near Oakman, Ala.	89.1	[d] 270	1958-70	Mar. 20, 1970	26.50	15,000	Apr. 13	24.21	11,800	132	13,200
122	02455000	Locust Fork near Cleveland, Ala.	309	536.94	1937-79	Dec. 28, 1942	19.2	47,000	Apr. 13	14.30	25,500	82.5	41,600
123	02456000	Turkey Creek near Morris, Ala.	81.5	345.18	1943-79	Mar. 19, 1970	23.12	15,600	Apr. 13	19.48	10,500	129	16,500
124	02456500	Locust Fork at Sayre, Ala.	887	258.64	1929-79	Jan. 7, 1949 Feb. 23, 1961	47.9 48.6	55,300	Apr. 14	41.40	41,800	47.1	61,100
125	02457000	Fivemile Creek at Ketona, Ala.	22.8	546.70	1954-79	Mar. 19, 1970	14.94	4,980	Apr. 13	12.79	4,010	178	8,200
126	02458300	Village Creek at 24th Street in Birmingham, Ala.	25.21	-	1974-79	Mar. 29, 1976	15.9	4,470	Apr. 13	17.12	5,400	214	-
127	02460500	Village Creek near Adamsville, Ala.	84.1	[d] 340	1954-79	Mar. 19, 1970	23.15	19,700	Apr. 14	20.28	14,600	174	17,000
128	02461500	Valley Creek near Bessemer, Ala.	51.0	438.64	1936, 1974-79	Sept. 7, 1977	18.6	9,610	Apr. 13	17.06	11,300	222	-
129	02462000	Valley Creek near Oak Grove, Ala.	145	294.87	1916, 1936, 1954-79	July 1916	29.6	26,800	Apr. 13	29.80	26,300	181	24,000

See footnotes at end of table.

TABLE 2.—*Summary of flood stages and discharges*—Continued

Site number	Permanent station number	Stream and place of determination	Drainage area (mi^2)	Datum of gage above National Geodetic Vertical Datum of 1929 (ft)	Period of known floods	Maximum previously known[a]			Maximum during flood April 1979				Discharge of 100-year flood (ft^3/s)
						Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)	Discharge (ft^3/s per mi^2)	
		TOMBIGBEE RIVER BASIN--Continued											
130	02462400	Bankhead Lake, Ala.	3,990	0.0	1976-79	Oct. 8, 1977	255.6	-	Apr. 13	254.97	-	-	-
131	02462500	Black Warrior River at Bankhead lock and dam near Bessemer, Ala.	3,990	0.0	1976-79	Apr. 5, 1977	-	†/94,800	Apr. 13	-	143,000	-	-
132	02462501	Black Warrior River below Bankhead lock and dam, Ala.	3,990	0.0	1911-79	July 9, 1916	u/194.00	-	Apr. 13	v/197.05	-	-	-
133	02462600	Blue Creek near Oakman, Ala.	5.32	d/420	1959-79	Feb. 21, 1961	7.16	3,820	Apr. 12	6.93	3,000	564	j/2,730
134	02462950	Holt Reservoir, Ala.	4,230	0.0	1976-79	Oct. 25, 1977	188.17	-	Apr. 13	187.85	-	-	-
135	02462951	Black Warrior River at Holt lock and dam, Ala.	4,230	-	1976-79	Apr. 5, 1977	-	†/106,000	Apr. 13	-	178,000	42.1	-
136	02462952	Black Warrior River below Holt lock and dam, Ala.	4,230	-	1966-79	Mar. 20, 1970	u/150.8	-	Apr. 13	160.08	-	-	-
137	02464000	North River near Samantha, Ala.	219	232.39	1939-79	Mar. 20, 1970	35.08	25,500	Apr. 13	30.55	19,400	88.6	21,400
138	02465000	Black Warrior River at Northport, Ala.	4,828	83.35	1900, 1929-79	Feb. 21, 1961	w/66.81 x/67.7	224,000	Apr. 13	66.85	272,000	56	250,000
139	02465286	Cribbs Mill Creek at 2nd Avenue, Tuscaloosa, Ala.	2.75	-	1978-79	Mar. 3, 1978	5.67	534	Apr. 13	9.27	1,270	462	-
140	02465291	Cribbs Mill Creek at Kauloosa Avenue, Tuscaloosa, Ala.	10.7	-	1978-79	Oct. 25, 1977	7.79	1,990	Apr. 13	10.09	3,070	287	-
141	02465493	Elliotta Creek near Moundville, Ala.	31.2	-	1976-79	Mar. 4, 1979	6.64	900	Apr. 13	7.40	3,000	96.1	-
142	02465500	Fivemile Creek near Greensboro, Ala.	72.2	160	1955-74	Feb. 22, 1961 Dec. 18, 1961	9.84 9.84	7,200 7,200	Apr. 13	8.14	2,930	40.6	9,330
143	02467000	Tombigbee River at Demopolis lock and dam, Ala.	15,400	56.00	1929-79	Feb. 28, 1961	35.66	250,000	Apr. 18	37.03	343,000	22.2	266,000
144	02467100	Hamilton Branch near Dekalb, Miss.	.97	-	1964-77	1974	7.58	662	-	-	-	-	
145	02467200	Sucarnoochee Creek at Porterville, Miss.	132	183.86	1938-79	February 1961	11.5	-	Apr. 13	13.26	24,000	182	-
146	02467300	Pawticfaw Creek near Porterville, Miss. (Includes Blackwater Creek).	154	140.66	1961, 1974, 1975, 1979	April 1974	45.1	13,000	Apr. 13	48.08	28,000	182	-
147	02467450	Ponta Creek at Lauderdale, Miss.	64.6	0.00	1974, 1979	August 1974	208.6	7,500	Apr. 13	210.4	c/12,500	198	-

See footnotes at end of table.

TABLE 2.—*Summary of flood stages and discharges*—Continued

Site number	Permanent station number	Stream and place of determination	Drainage area (mi^2)	Datum of gage above National Geodetic Vertical Datum of 1929 (ft)	Period of known floods	Maximum previously known[a]			Maximum during flood April 1979				Discharge of 100-year flood (ft^3/s)
						Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)	Discharge (ft^3/s per mi^2)	
		TOMBIGBEE RIVER BASIN--Continued											
148	02467500	Sucarnoochee River at Livingston, Ala.	606	90.04	1939-79	Feb. 22, 1961	29.35	31,500	Apr. 14	33.47	62,200	103	46,500
149	02468000	Alamuchee Creek near Cuba, Ala.	63.0	161.50	1955-70	Apr. 6, 1964	18.35	12,700	Apr. 14	18.87	14,700	233	14,600
150	02468500	Chickasaw Bogue near Linden, Ala.	258	63.45	1944-46, 1966-79	Mar. 4, 1979	30.18	38,700	Apr. 13	25.80	18,200	70.5	38,000
151	02469761	Tombigbee River at Coffeeville lock and dam, near Coffeeville, Ala.	18,500	-14.00	1960-79	Mar. 4, 1961	65.39	251,000	Apr. 22	65.46	290,000	15.7	280,000
152	02469762	Tombigbee River below Coffeeville lock and dam, near Coffeeville, Ala.	18,500	-14.00	1960-79	Mar. 4, 1961	64.2	-	Apr. 23	64.56	-	-	-
153	02469800	Satilpa Creek near Coffeeville, Ala.	166	[d] 80	1956-79	July 8, 1956 Mar. 4, 1979	18.37 17.33	25,600 22,700	Apr. 4	15.71	16,200	97.6	29,400
		PASCAGOULA RIVER BASIN											
154	02475220	Little Rock Creek tributary near Little Rock, Miss.	.22	-	1965-79	Jan. 10, 1975	7.34	237	Apr. 12	7.79	265	1,204	188
155	02475350	Tarlow Creek near Newton, Miss.	15.9	0.00	1953-70, 1979	Mar. 4, 1979	366.11	3,500	Apr. 12	365.90	3,200	201	3,410
156	02475500	Chunky Creek near Chunky, Miss.	368	269.00	1939-79	Mar. 4, 1979	26.64	40,900	Apr. 14	26.17	36,100	98	39,700
157	02476000	Okatibbee Creek near Meridian, Miss.	239	269.43	1938-79	April 1938 Feb. 22, 1961	29.5 26.14	- 27,000	Apr. 13	24.90	[y] 15,400	64	36,900
158	02476500	Sowashee Creek at Meridian, Miss.	51.9	305.95	1939-79	Apr. 6, 1964 Apr. 13, 1974	20.95 21.52	9,530 6,420	Apr. 13	22.87	7,270	140	14,600
159	02476600	Okatibbee Creek at Arundel, Miss.	342	259.04	1961, 1969-79	February 1961 Mar. 4, 1979	22.2 20.71	- 15,700	Apr. 13	21.51	[y] 20,500	60	26,900
160	02477000	Chickasawhay River at Enterprise, Miss.	913	207.62	1871-1979	Feb. 23, 1961 Mar. 5, 1979	42.94 41.88	61,700 49,700	Apr. 14	41.90	49,800	55	63,600
161	02477050	Souinlovey Creek near Baxter, Miss.	1.14	-	1965-77	Aug. 6, 1975	11.47	875	Apr. 12	9.07	550	482	1,210
162	02478000	Buckatunna Creek near Denham, Miss.	490	141.15	1972-79	Mar. 6, 1979	34.90	12,200	Apr. 4	33.28	11,100	27	-
163	02478500	Chickasawhay River at Leakesville, Miss.	2,680	51.13	1900-79	1900 Mar. 10, 1979	38 30.67	125,000 46,500	Apr. 6	29.85	40,200	15	84,300

See footnotes at end of table.

TABLE 2.—*Summary of flood stages and discharges*—Continued

Site number	Permanent station number	Stream and place of determination	Drainage area (mi^2)	Datum of gage above National Geodetic Vertical Datum of 1929 (ft)	Period of known floods	Maximum previously known[a]			Maximum during flood April 1979				Discharge of 100-year flood (ft^3/s)
						Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)	Discharge (ft^3/s per mi^2)	
		PEARL RIVER BASIN											
164	02481800	Tallahaga Creek near Louisville, Miss.	32.2	0.00	1979	-	-	-	Apr. 13	478.3	12,800	398	-
165	02481810	Tallahaga Creek near Noxapater, Miss.	53.0	0.00	1953-70, 1979	Apr. 10, 1969	442.03	11,400	Apr. 13	443.96	22,600	386	-
166	02481820	Bogue Chitto near Bond, Miss.	89.7	-	1979	-	-	-	Apr. 13	98.69	[z/] 23,100	258	-
167	02481830	Noxapater Creek at Highway 25 near Louisville, Miss.	10.4	-	1979	-	-	-	Apr. 13	426.7	13,700	1,320	-
168	02481840	Noxapater Creek at Highway 15 near Noxapater, Miss.	33.1	0.00	1952-79	Apr. 10, 1969	426.8	6,100	Apr. 13	429.2	[s/] 18,000	544	6,800
169	02481880	Pearl River at Burnside, Miss.	520	0.00	1902, 1937-40, 1962, 1979	Dec. 20, 1961	392.66	22,600	Apr. 13	398.2	[z/] 70,600	136	-
170	02481900	Coonshuck Creek tributary near House, Miss.	.20	-	1965-75, 1979	Jan. 10, 1975	5.55	208	Apr. 12	5.55	208	1,040	230
171	02481950	Kentawka Canal at Philadephia, Miss.	135	0.00	1962, 1969, 1974, 1979	Apr. 13, 1974	400.2	[c/] 20,000	Apr. 12	399.0	[s/] 15,000	111	-
172	02482000	Pearl River at Edinburg, Miss.	898	341.67	1874-1979	-	-	-	Apr. 14	30.06	77,900	87	52,500
173	02482100	Indian Branch near Edinburg, Miss.	1.92	-	1965-79	Dec. 25, 1973	5.07	678	Apr. 12	5.47	710	370	1,210
174	02482299	Bear Creek near Wamba, Miss.	9.93	-	1979	-	-	-	Apr. 12	92.4	9,650	972	-
175	02482300	Lobutcha Creek at Zama, Miss.	146	0.00	1938-39, 1969, 1979	Apr. 10, 1969	410.81	13,400	Apr. 12	414.25	[s/] 30,000	205	-
176	02482310	Lobutcha Creek tributary at Wamba, Miss.	.94	-	1965-79	Dec. 2, 1967	8.97	677	Apr. 12	12.77	1,240	1,320	643
177	02482500	Lobutcha Creek at Carthage, Miss.	313	334.98	1938-79	Mar. 29, 1951	18.00	19,100	Apr. 13	19.99	[s/] 40,000	128	21,000
178	02482550	Pearl River at Carthage, Miss.	1,347	315.24	1874-1979	1902 Dec. 20, 1961	27.0 25.4	- 31,900	Apr. 14	28.74	102,000	76	61,300
179	02483000	Tuscalometa Creek at Walnut Grove, Miss.	411	322.70	1938-79	January 7, 1950	33.00	34,600	Apr. 14	29.77	23,600	57.4	32,200
180	02483650	Yockanookany River at Fentress, Miss.	21.0	-	1979	-	-	-	Apr. 12	93.1	15,500	738	-

See footnotes at end of table.

TABLE 2.—*Summary of flood stages and discharges*—Continued

Site number	Permanent station number	Stream and place of determination	Drainage area (mi^2)	Datum of gage above National Geodetic Vertical Datum of 1929 (ft)	Period of known floods	Maximum previously known[a/]			Maximum during flood April 1979				Discharge of 100-year flood (ft^3/s)
						Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)	Discharge (ft^3/s per mi^2)	
		PEARL RIVER BASIN--Continued											
181	02483890	Yockanookany River tributary near McCool, Miss.	.34	-	1965-79	Apr. 9, 1969	6.36	371	Apr. 12	6.70	400	1,180	345
182	02484000	Yockanookany River near Kosciusko, Miss.	314	374.34	1932, 1938-79	Mar. 29, 1951	18.72	19,300	Apr. 13	23.06	40,700	130	23,800
183	02484010	Conehoma Creek near Kosciusko, Miss.	10.3	0.00	1979	-	-	-	Apr. 12	399.2	10,800	1,049	-
184	02484500	Yockanookany River near Ofahoma, Miss.	484	311.15	1943-79	Mar. 31, 1951	20.28	20,700	Apr. 14	23.27	46,500	96	18,200
185	02484600	Coffee Bogue near Ludlow, Miss.	77.0	-	1971-79	Apr. 17, 1973	14.77	5,600	Apr. 12	13.88	4,000	52	-
186	02484750	Red Cane Creek tributary near Pisgah, Miss.	.10	-	1965-77	Aug. 1, 1975	6.34	111	Apr. 12	6.29	110	1,100	146
187	02484760	Fannegusha Creek near Sand Hill, Miss.	52.3	-	1971-79	Apr. 17, 1973	13.36	7,100	Apr. 12	-	-	-	-
188	02485380	Hollybush Creek tributary No. 1 near Pisgah, Miss.	.59	-	1965-79	Apr. 16, 1973	6.46	335	Apr. 12	6.00	205	347	484
189	02485392	Clear Creek tributary near Pelahatchie, Miss.	.12	-	1965-79	Oct. 5, 1976	6.97	152	Apr. 12	5.20	82	683	214
190	02485700	Hanging Moss Creek at Jackson, Miss.	16	261.33	1953-79	Apr. 29, 1953	26.0	5,320	Apr. 12	21.30	4,120	258	
191	02485800	Eubanks Creek at Jackson, Miss.	4.0	260.68	1953-79	Apr. 29, 1953	16.2	4,200	Apr. 11	13.35	2,380	595	
192	02485900	Neely Creek near Brandon, Miss.	1.09	-	1965-79	Apr. 16, 1973	6.80	661	Apr. 10	8.85	1,050	963	716
193	02485960	Town Creek at Jackson, Miss.	11.7	262.72	1953-79	Apr. 29, 1953	16.6	4,200	Apr. 10	11.97	2,450	209	
194	02486000	Pearl River at Jackson, Miss.	3,100	233.70	1874-1979	Mar. 31, 1902	37.5	85,000	Apr. 17	43.28	aa/ 128,000	41	106,000
195	02486100	Lynch Creek at Jackson, Miss.	11.1	262.16	1953-79	Apr. 29, 1953	18.9	7,500	Apr. 11	15.28	3,800	342	
196	02488500	Pearl River near Monticello, Miss.	5,040	158.66	1874-1979	Apr. 18, 1974	34.5	100,000	Apr. 20	34.08	122,000	24	97,100
197	02489000	Pearl River near Columbia, Miss.	5,690	115.81	1874-1979, 1928-79	1874 Apr. 15, 1974	31 27.25	165,000 93,900	Apr. 22	27.8	120,000	21	97,100
198	02489500	Pearl River near Bogalusa, La.	6,630	55.0	1938-79	Apr. 17, 1974	22.13	99,000	Apr. 24	23.2	129,000	21	129,000
199	02492600	Pearl River at Pearl River, La.	8,590	0.36	1874-1979	-1874	20.2	-	Apr. 26	19.25	z/155,000	18	198,000
200	02492650	Pearl River at I-10 near Slidell, La.	8,700	0.00	1961-79	Apr. 20, 1974	9.3	129,000	Apr. 26	10.2	z/ 152,000	17	-

See footnotes at end of table.

TABLE 2.—*Summary of flood stages and discharges*—Continued

Site number	Permanent station number	Stream and place of determination	Drainage area (mi^2)	Datum of gage above National Geodetic Vertical Datum of 1929 (ft)	Period of known floods	Maximum previously known[a] Date	Gage height (ft)	Discharge (ft^3/s)	Maximum during flood April 1979 Date	Gage height (ft)	Discharge (ft^3/s)	Discharge (ft^3/s per mi^2)	Discharge of 100-year flood (ft^3/s)
		BIG BLACK RIVER BASIN											
201	07289265	Hays Creek tributary No. 1 near Valden, Miss.	14	-	1960-79	Mar. 16, 1973	26.68	3,300	Apr. 12	23.90	1,080	77	-
202	07289320	Zilpha Creek (Highway 43) near Ethel, Miss.	13.6	-	1979	-	-	-	Apr. 12	94.62	4,860	357	-
203	07289322	Little Zilpha Creek (Highway 43) near Ethel, Miss.	6.79	-	1979	-	-	-	Apr. 12	384.73	4,080	600	-
204	07289330	Zilpha Creek (Highway 35) near Kosciusko, Miss.	90	-	1953-79	Apr. 13, 1955	27.49	16,000	Apr. 12	28.7	21,600	240	25,400
205	07289350	Big Black River at West, Miss.	985	249.74	1971-79	Mar. 16, 1973	25.11	57,700	Apr. 13	24.27	48,000	49	-
206	07289390	Sharkey Creek near Hesterville, Miss.	12.3	-	1979	-	-	-	Apr. 12	94.3	[e]3,600	293	-
207	07289442	Long Creek near Kosciusko, Miss.	3.83	0.00	1979	-	-	-	Apr. 12	340.1	4,350	1,136	-
208	07289500	Big Black River at Pickens, Miss.	1,460	196.26	1892, 1927, 1930, 1937-73, 1979	Dec. 29, 1926	23.7	58,900	Apr. 14	23.6	-	-	-
209	07289505	Big Cypress Creek near Vaughn, Miss.	89.3	182.70	1960-70, 1979	Feb. 10, 1966	33.25	15,800	Apr. 13	33.30	16,000	179	-
210	07289530	Doaks Creek near Canton, Miss.	161	-	1948-70, 1979	Jan. 7, 1951	18.46	12,600	Apr. 13	23.3	[e]39,000	242	17,200
211	07289540	Big Black River near Canton, Miss.	1,820	0.00	1979	-	-	-	Apr. 15	193.22	85,800	47	-
212	07289560	Bear Creek near Madison, Miss.	24.4	0.00	1948-58, 1979	Apr. 29, 1953	255.6	7,300	Apr. 13	255.2	[e]5,000	205	-
213	07289580	Bear Creek at U.S. Highway 51 near Canton, Miss.	87.0	200.00	1951, 1953, 1955-58, 1979	Apr. 30, 1953	22.22	7,300	Apr. 13	22.9	[e]9,000	103	-
214	07289600	Tilde Bogue near Canton, Miss.	24.4	-	1948-79	Aug. 1, 1975	19.16	8,300	Apr. 12	18.44	6,030	247	8,260
215	07289610	Bachelor Creek near Canton, Miss.	3.11	-	1953-70, 1973, 1975, 1979	July 31, 1975	20.65	[c]4,400	Apr. 12	18.54	1,500	482	1,110
216	07289640	Panther Creek near Flora, Miss.	.26	-	1965-79	Mar. 10, 1973	7.17	252	Apr. 12	7.16	250	962	428

See footnotes at end of table.

TABLE 2.—*Summary of flood stages and discharges*—Continued

Site number	Permanent station number	Stream and place of determination	Drainage area (mi^2)	Datum of gage above National Geodetic Vertical Datum of 1929 (ft)	Period of known floods	Maximum previously known[a]			Maximum during flood April 1979				Discharge of 100-year flood (ft^3/s)
						Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)	Discharge (ft^3/s per mi^2)	
		BIG BLACK RIVER BASIN—Continued											
217	07289641	Panther Creek tributary near Flora, Miss.	.07	-	1964-79	Oct. 3, 1973	7.42	140	Apr. 12	6.29	118	1,686	152
218	07289850	Bogue Chitto near Flora, Miss.	126	169.94	1952-70, 1979	Apr. 30, 1953	20.88	21,000	Apr. 13	19.98	16,000	127	-
219	07290000	Big Black River near Bovina, Miss.	2,810	84.93	1936-79	Dec. 20, 1961	40.53	63,500	Apr. 16	40.56	81,200	29	73,400
220	07290110	Fleetwood Creek near Bolton, Miss.	13.1	-	1954, 1960-69, 1979	Aug. 22, 1960	23.49	4,400	Apr. 12	23.46	4,400	336	6,830
221	07290115	Unnamed Creek near Bolton, Miss.	2.26	-	1960-70, 1979	May 9, 1968	97.16	1,190	Apr. 12	98.0	1,500	664	2,480

a Includes flood of March 1979, where significant.
b Regulated by Lake Sidney Lanier.
c Regulated by Carters Lake and re-regulation dam.
d Altitude from topographic map.
e Regulated by Allatoona Reservoir.
f Regulated by reservoirs in basin upstream.
g Contents in thousand cubic feet per second per day. One cubic foot per second per day is equivalent to 1.9835 acre-feet.
h Prior to construction of Weiss Dam.
i Maximum release 49,700 ft^3/s April 16, 1979.
j Based on synthetic data using short-term runoff and long-term rainfall records.
k Regulated by Allatoona and Weiss Reservoirs.
m Approximately.
n National Weather Service gage.
p Regulated by Lake Martin and upstream hydroelectric plants.
q Measured flow, less than peak flow.
r At different site and datum.
s Estimated.
t Mean daily discharge.
u Stage at 7:00 a.m., cst.
v Observed.
w Occurred February 22, 1961
x Occurred April 18, 1900.
y Regulated by Okatibbee Lake.
z Discharge measurement near crest.
aa Regulated by Ross R. Barnett Reservoir 15 miles upstream.

TABLE 3.—*Summary of flood damages on main streams and principal tributaries*
March 1979 flood

Basin and Stream		Flood damages in dollars			
		Agriculture	Roads and Railroads	Urban & Other	Total
Alabama-Coosa River Basin					
Alabama River		110,000	91,700	4,300	206,000
Coosa River		1,514,300	1,313,000	11,989,700	14,817,000
Tallapoosa River		200,000	1,285,000	25,000	1,510,000
	Total	1,824,300	2,689,700	12,019,000	16,533,000
Escambia-Conecuh River Basin					
Escambia River		53,000	674,500	13,189,000	13,916,500
Conecuh River		--	55,500	--	55,500
	Total	53,000	730,000	13,189,000	13,972,000
Tombigbee River Basin					
Tombigbee River		50,000	335,000	203,000	588,000
	Total	50,000	335,000	203,000	588,000
Choctawhatchee River Basin					
Choctawhatchee River		--	250,000	--	250,000
	Total	--	250,000	--	250,000
Coastal (Baldwin and Santa Rosa Counties)		2,023,000	1,020,000	3,750,000	6,793,000
	Total	2,023,000	1,020,000	3,750,000	6,793,000
Pascagoula River Basin					
Pascagoula River		11,000	177,000	182,000	370,000
	Total	11,000	177,000	182,000	370,000
Pearl River Basin					
Pearl River		921,000	1,038,000	1,451,000	3,410,000
	Total	921,000	1,038,000	1,451,000	3,410,000
	TOTAL	4,882,300	6,239,700	30,794,000	41,916,000

TABLE 3.—*Summary of flood damages on main streams and principal tributaries*—Continued
April 1979 flood

Basin and Stream		Flood damages in dollars			
		Agriculture	Roads and Railroads	Urban & Other	Total
Alabama-Coosa River Basin					
Alabama River		2,373,900	1,148,300	13,503,500	17,025,700
Coosa River		1,365,000	2,014,300	5,261,900	8,641,200
Tallapoosa River		425,000	1,484,000	1,446,800	3,355,800
	Total	4,163,900	4,646,600	20,212,200	29,022,700
Apalachicola River Basin					
Apalachicola River		0	0	0	0
Chattahoochee River		0	276,700	1,075,700	1,352,400
Flint River		50,000	410,000	205,000	665,000
	Total	50,000	686,700	1,280,700	2,017,400
Tombigbee River Basin					
Tombigbee River		9,346,100	11,854,200	17,031,300	38,231,600
Black Warrior River		750,000	879,900	4,543,700	6,173,600
	Total	10,096,100	12,734,100	21,575,000	44,405,200
Mobile River Basin					
Mobile River		0	580,000	1,609,800	2,189,800
	Total	0	580,000	1,609,800	2,189,800
Pascagoula River Basin					
Pascagoula River		--	304,000	216,000	520,000
Leaf River		82,000	143,800	468,500	694,300
Chickasawhay River		637,000	1,387,800	1,167,800	3,192,600
	Total	719,000	1,835,600	1,852,300	4,406,900
Pearl River Basin					
Pearl River		5,447,000	12,236,000	239,914,000	257,597,000
	Total	5,447,000	12,236,000	239,914,000	257,597,000
Big Black River Basin					
Big Black River and southwest Tributaries		3,360,000	---	1,240,000[1/]	4,600,000
	TOTAL	23,836,000	32,719,000	287,684,000	344,239,000

1/ Includes Roads and Railroads

TABLE 4.—*Summary of stages and contents of storage reservoirs*

[Measurements taken at 2400 CST on indicated dates]

Weiss Lake near Leesburg, Ala. 02399499

	March 1979			April 1979		
Day	Elevation 1/ NGVD of 1929 (feet)	Contents 2/ ($ft^3/s/day$)	Change in storage 2/ ($ft^3/s/day$)	Elevation 1/ NGVD of 1929 (feet)	Contents 2/ ($ft^3/s/day$)	Change in storage 2/ ($ft^3/s/day$)
1	563.26	143,510		562.60	134,160	+550
2	563.22	142,930	-580	562.30	130,050	-4,110
3	563.87	152,490	+9,560	562.24	129,230	-820
4	567.38	210,960	+58,470	563.36	144,960	+15,730
5	569.50	252,050	+41,090	563.40	145,540	+580
6	570.41	271,080	+19,030	563.28	143,800	-1,740
7	570.42	271,300	+220	563.22	142,930	-870
8	570.89	281,460	+10,160	562.78	136,670	-6,260
9	569.57	253,490	-27,960	562.56	133,610	-3,060
10	568.94	240,760	-12,730	562.36	130,860	-2,750
11	568.10	224,410	-16,350	562.40	131,410	+550
12	566.95	203,160	-21,250	562.99	139,640	+8,230
13	565.54	178,850	-24,310	566.78	200,130	+60,490
14	564.31	159,190	-19,660	569.10	243,950	+43,820
15	563.54	147,540	-11,600	570.07	263,870	+19,920
16	563.05	140,490	-7,100	570.31	268,950	+5,080
17	562.56	133,610	-6,880	570.16	265,770	-3,180
18	561.95	125,340	-8,270	569.89	260,100	-5,670
19	561.57	120,360	-4,980	569.43	250,620	-9,480
20	562.06	126,810	+6,450	568.80	237,990	-12,630
21	561.74	122,580	-4,230	567.92	221,000	-16,990
22	561.32	117,160	-5,420	566.76	199,780	-21,220
23	561.69	121,920	+4,760	565.50	178,190	-21,590
24	562.38	131,140	+9,220	564.46	161,510	-16,680
25	562.50	132,780	+1,640	563.66	149,360	-12,150
26	562.46	132,230	-550	563.26	143,510	-5,850
27	562.36	130,860	-1,370	563.30	144,080	+570
28	562.44	131,960	+1,100	563.39	145,390	+1,310
29	562.28	129,770	-2,190	563.22	142,930	-2,460
30	562.40	131,410	+1,640	563.46	146,420	+3,490
31	562.56	133,610	+2,200			

1/ National Geodetic Vertical Datum of 1929.

2/ One cubic foot per second per day is equivalent to 1.9835 acre-feet.

Note: Records furnished by Alabama Power Co.

TABLE 4.—*Summary of stages and contents of storage reservoirs*—Continued
H. Neely Henry Reservoir near Ohatchee, Ala. 02401620

	March 1979			April 1979		
Day	Elevation 1/ NGVD of 1929 (feet)	Contents 2/ (ft^3/s/day)	Change in storage 2/ (ft^3/s/day)	Elevation 1/ NGVD of 1929 (feet)	Contents 2/ (ft^3/s/day)	Change in storage 2/ (ft^3/s/day)
1	505.00	45,610		504.83	44,840	+1,780
2	504.96	45,430	-180	503.92	40,660	-4,180
3	503.74	40,100	-5,330	504.41	42,970	+2,310
4	502.50	35,160	-4,940	502.49	35,120	-7,850
5	502.54	35,310	+150	502.64	35,700	+580
6	502.41	34,820	-490	504.36	42,750	+7,050
7	502.43	34,900	+80	505.01	45,660	+2,910
8	502.58	35,470	+570	505.00	45,610	-50
9	502.51	35,200	-270	504.97	45,480	-130
10	502.42	34,560	-640	504.83	44,840	-640
11	502.49	35,120	+560	504.47	43,230	-1,610
12	502.44	34,930	-190	502.50	35,160	-8,070
13	502.38	34,710	-220	502.57	35,430	+270
14	502.54	35,310	+600	502.53	35,270	-160
15	505.00	45,610	+10,300	502.40	34,780	-490
16	505.00	45,610	0	502.50	35,160	+380
17	504.92	45,290	-320	502.58	35,470	+310
18	504.57	43,670	-1,620	502.54	35,310	-160
19	504.51	43,410	-260	502.64	35,700	+390
20	501.31	30,840	-12,570	502.56	35,590	-310
21	503.63	39,640	+8,800	502.58	35,470	+70
22	503.18	37,810	-1,830	502.44	34,930	-540
23	504.43	43,060	+5,250	503.36	38,540	+3,610
24	504.25	42,270	-790	504.99	45,570	+7,030
25	504.63	43,940	+1,670	506.50	52,860	+7,290
26	504.42	43,010	-930	506.56	53,170	+310
27	503.81	40,390	-2,620	507.36	57,380	+4,210
28	503.78	40,270	-120	507.59	58,640	+1,260
29	503.42	38,750	-1,520	507.56	58,470	-170
30	503.63	39,640	+890	507.47	57,980	-490
31	504.48	43,060	+3,420			

1/ National Geodetic Vertical Datum of 1929.
2/ One cubic foot per second per day is equivalent to 1.9835 acre-feet.

Note: Records furnished by Alabama Power Co.

TABLE 4.—*Summary of stages and contents of storage reservoirs*—Continued
Logan Martin Reservoir near Childersburg, Ala. 02405200

	March 1979			April 1979		
Day	Elevation 1/NGVD of 1929 (feet)	Contents 2/(ft^3/s/day)	Change in storage 2/(ft^3/s/day)	Elevation 1/NGDV of 1929 (feet)	Contents 2/(ft^3/s/day)	Change in storage 2/(ft^3/s/day)
1	459.94	103,370	.....	459.95	103,430	+1,600
2	459.91	103,190	-180	459.81	102,600	-830
3	460.55	107,070	+3,880	461.53	113,260	+10,660
4	468.79	169,790	+62,720	463.74	128,390	+15,130
5	471.83	199,910	+30,120	464.84	136,570	+8,180
6	472.16	203,430	+3,520	464.68	135,350	-1,220
7	470.86	180,840	-13,590	463.23	124,750	-10,600
8	468.87	170,530	-19,310	461.74	114,630	-10,120
9	467.09	154,720	-15,810	461.24	111,400	-3,230
10	465.94	145,200	-9,520	461.37	112,230	+830
11	464.70	135,500	-9,700	461.41	112,490	+260
12	463.57	127,170	-8,330	464.61	134,820	+22,330
13	462.60	120,300	-6,870	471.95	201,180	+66,360
14	461.75	114,690	-5,610	474.04	224,540	+23,360
15	460.64	107,630	-7,060	472.83	210,760	-13,780
16	460.40	106,150	-1,480	470.77	188,930	-21,830
17	459.77	102,360	-3,790	469.09	172,580	-16,350
18	459.77	102,360	0	467.62	159,290	-13,290
19	459.75	102,240	-120	466.36	148,610	-10,680
20	459.68	101,830	-410	465.43	141,120	-7,490
21	459.47	100,590	-1,240	464.32	132,650	-8,470
22	459.08	98,340	-2,250	463.52	126,810	-5,840
23	3/459.99	103,670	+5,330	463.16	124,260	-2,550
24	460.06	104,090	+420	463.26	124,960	+700
25	459.82	102,650	-1,440	463.46	126,380	+1,420
26	459.87	102,950	+300	466.13	146,730	+20,350
27	459.81	102,600	-350	466.33	148,370	+1,640
28	459.52	100,890	-1,710	465.54	142,000	-6,370
29	459.35	99,900	-990	463.94	129,850	-12,150
30	459.33	99,780	-120	463.84	129,120	-730
31	459.68	101,830	+2,050	.....	.....	.....

1/ National Geodetic Vertical Datum of 1929.
2/ One cubic foot per second per day is equivalent to 1.9835 acre-feet.
3/ Forebay elevation for 0100 hours on Mar. 24.

Note: Maximum outflow discharge, 115,200 cubic feet per second, Apr. 15. Records furnished by Alabama Power Co.

TABLE 4.—*Summary of stages and contents of storage reservoirs*—Continued
Lay Lake near Clanton, Ala. 02407950

	March 1979			April 1979		
Day	Elevation 1/NGVD of 1929 (feet)	Contents 2/(ft^3/s/day)	Change in storage 2/(ft^3/s/day)	Elevation 1/NGVD of 1929 (feet)	Contents 2/(ft^3/s/day)	Change in storage 2/(ft^3/s/day)
1	396.24	133,910	.....	395.80	131,300	-700
2	396.27	134,090	+180	396.07	132,890	+1,590
3	396.15	133,370	-720	396.02	132,600	-290
4	396.02	132,600	-770	395.73	130,880	-1,720
5	395.33	128,560	-4,040	395.84	131,530	+650
6	395.76	131,060	+2,500	395.90	131,890	+360
7	395.85	131,590	+530	396.18	133,550	+1,660
8	395.85	131,590	0	395.90	131,890	-1,660
9	396.13	133,250	+1,660	396.29	134,210	+2,320
10	395.90	131,890	-1,360	396.16	133,430	-780
11	395.82	131,410	-480	396.07	132,890	-540
12	396.07	132,890	+1,480	395.78	131,180	-1,710
13	396.06	132,840	-50	395.95	132,180	+1,000
14	396.03	132,660	-180	395.75	131,000	-1,180
15	395.81	131,350	-1,310	395.94	132,120	+1,120
16	395.96	132,240	+890	396.07	132,890	+770
17	396.03	132,660	+420	395.85	131,590	-1,300
18	395.69	130,650	-2,010	395.79	131,240	-350
19	395.89	131,830	+1,180	396.10	133,070	+1,830
20	396.06	132,840	+1,010	396.06	132,840	-230
21	396.21	133,730	+890	396.13	133,250	+410
22	396.01	132,540	-1,190	396.12	133,190	-60
23	396.39	134,820	+2,280	396.15	133,370	+180
24	395.93	132,060	-2,760	396.04	132,720	-650
25	396.15	133,370	+1,310	396.00	132,480	-240
26	396.39	134,820	+1,450	395.79	131,240	-1,240
27	396.23	133,850	-970	395.92	132,000	+760
28	396.24	133,910	+60	395.74	130,940	-1,060
29	396.27	134,090	+180	396.21	133,730	+2,790
30	396.40	134,880	+790	396.34	134,520	+790
31	395.92	132,000	-2,880	.....	.....	.....

1/ National Geodetic Vertical Datum of 1929.
2/ One cubic foot per second per day is equivalent to 1.9835 acre-feet.

Note: Maximum outflow discharge, 197,000 cubic feet per second, Apr. 13. Records furnished by Alabama Power Co.

TABLE 4.—*Summary of stages and contents of storage reservoirs*—Continued
Mitchell Dam near Verbena, Ala. 02409400

	March 1979			April 1979		
Day	Elevation 1/ NGVD of 1929 (feet)	Contents 2/ (ft^3/s/day)	Change in storage 2/ (ft^3/s/day)	Elevation 1/ NGVD of 1929 (feet)	Contents 2/ (ft^3/s/day)	Change in storage 2/ (ft^3/s/day)
1	311.8	87,930	-600	310.8	84,990	-3,540
2	311.9	88,230	+300	312.3	89,420	+4,430
3	312.2	89,120	+890	311.9	88,230	-190
4	311.5	87,040	-2,080	311.8	87,930	-300
5	312.1	88,820	+1,780	312.8	90,920	+2,990
6	312.2	89,120	+300	312.1	88,820	-2,100
7	312.2	89,120	0	312.0	88,530	-290
8	311.9	88,230	-890	312.2	89,120	+590
9	311.8	87,930	-300	312.0	88,530	+590
10	312.0	88,530	+600	312.0	88,530	0
11	312.2	89,120	+590	312.0	88,530	0
12	312.2	89,120	0	312.2	89,120	+590
13	311.8	87,930	-1,190	316.2	101,460	+12,340
14	312.2	89,120	+1,190	312.2	89,120	-12,340
15	312.2	89,120	0	312.1	88,820	-300
16	311.9	88,230	-890	311.9	88,230	-590
17	311.9	88,230	0	311.8	87,930	-300
18	312.2	89,120	+890	312.2	89,120	+1,190
19	312.2	89,120	0	311.8	87,930	-1,190
20	311.9	88,230	-890	312.1	88,820	+890
21	312.0	88,530	+300	311.9	88,230	-590
22	311.9	88,230	-300	312.0	88,530	+300
23	312.0	88,530	+300	312.1	88,820	+290
24	311.9	88,230	-300	312.2	89,120	+300
25	312.0	88,530	+300	312.2	89,120	0
26	311.9	88,230	-300	311.8	87,930	-1,190
27	312.2	89,120	+840	312.1	88,820	+890
28	311.8	87,930	-1,190	312.0	88,530	-290
29	312.3	89,420	+1,490	312.1	88,820	+290
30	312.1	88,820	-600	311.9	88,230	-590
31	312.0	88,530	-290			

1/ National Geodetic Vertical Datum of 1929.
2/ One cubic foot per second per day is equivalent to 1.9835 acre-feet.

Note: Records furnished by Alabama Power Co.

TABLE 4.—*Summary of stages and contents of storage reservoirs*—Continued
Jordan Lake near Wetumpka, Ala. 02414000

	March 1979			April 1979		
Day	Elevation 1/NGVD of 1929 (feet)	2/Contents 3/(ft^3/s/day)	Change in storage 3/(ft^3/s/day)	Elevation 1/NGVD of 1929 (feet)	2/Contents 3/(ft^3/s/day)	Change in storage 3/(ft^3/s/day)
1	251.90	118,750	.....	250.22	113,280	-3,030
2	251.31	116,800	-1,950	250.90	115,460	+2,180
3	252.77	121,680	+4,880	251.53	117,520	+2,060
4	251.78	118,350	-3,330	251.71	118,120	+600
5	251.90	118,750	+400	251.86	118,610	+490
6	251.95	118,910	+160	251.81	118,450	-160
7	251.77	118,310	-600	251.74	118,210	-240
8	251.80	118,410	+100	251.76	118,280	+70
9	251.70	118,080	-330	251.71	118,120	-160
10	251.60	117,750	-330	251.84	118,550	+430
11	251.90	118,750	+1,000	251.40	117,090	-1,460
12	251.82	118,480	-270	251.77	118,310	+1,220
13	251.85	118,580	+100	256.71	135,960	+17,650
14	251.91	118,780	+200	251.90	118,750	-17,210
15	251.79	118,380	-400	251.93	118,850	+100
16	251.90	118,750	+370	251.92	118,810	-40
17	251.82	118,480	-270	251.93	118,850	+40
18	251.86	118,610	+130	251.95	118,910	+60
19	251.74	118,210	-400	251.72	118,150	-760
20	251.84	118,550	+340	251.81	118,450	+300
21	251.90	118,750	+200	251.71	118,120	-330
22	251.70	118,080	-670	251.89	118,710	+590
23	251.78	118,350	+270	251.81	118,450	-260
24	251.72	118,150	-200	251.75	118,250	-200
25	251.57	117,650	-500	251.86	118,610	+360
26	251.87	118,650	+1,000	251.71	118,120	-490
27	251.94	118,880	+230	251.73	118,180	+60
28	251.75	118,250	-630	251.74	118,210	+30
29	251.91	118,780	+530	251.82	118,480	+270
30	251.82	118,480	-300	251.86	118,610	+130
31	251.16	116,310	-2,170	.....	.....	.....

1/ National Geodetic Vertical Datum of 1929.
2/ Includes Walter Bouldin Reservoir
3/ One cubic foot per second per day is equivalent to 1.9835 acre-feet.

Note: Maximum outflow discharge, 316,000 cubic feet per second, Apr. 13. Records furnished by Alabama Power Co.

TABLE 4.—*Summary of stages and contents of storage reservoirs*—Continued
Lake Martin near Tallassee, Ala. 02417500

	March 1979			April 1979		
Day	Elevation 1/NGVD of 1929 (feet)	Contents 2/(ft^3/s/day)	Change in storage 2/(ft^3/s/day)	Elevation 1/NGVD of 1929 (feet)	Contents 2/(ft^3/s/day)	Change in storage 2/(ft^3/s/day)
1	482.24	675,620	.....	486.49	752,440	+3,360
2	482.21	675,100	-520	486.30	748,890	-3,550
3	482.40	678,420	+3,320	487.17	765,230	+16,340
4	484.70	719,440	+41,020	489.16	803,450	+38,220
5	487.78	776,820	+57,380	489.92	813,360	+9,910
6	489.15	803,250	+26,430	490.05	820,920	+7,560
7	489.83	816,580	+13,330	489.94	818,750	-2,170
8	489.86	817,170	+590	489.75	815,010	-3,740
9	489.61	812,250	-4,920	489.63	812,650	-2,360
10	489.39	807,940	-4,310	489.39	807,940	-4,710
11	489.12	802,670	-5,270	489.24	805,010	-2,930
12	488.88	798,000	-4,670	489.32	806,570	+1,560
13	488.64	793,350	-4,650	490.80	835,840	+29,270
14	488.45	789,680	-3,670	490.52	830,250	-5,590
15	488.23	785,440	-4,240	490.10	821,910	-8,340
16	487.92	779,490	-5,950	490.05	820,920	-990
17	487.68	774,910	-4,580	490.02	820,330	-590
18	487.40	769,590	-5,320	489.90	817,960	-2,370
19	487.13	764,470	-5,120	489.78	815,600	-2,360
20	486.93	760,700	-3,770	489.88	817,570	+1,970
21	486.90	760,140	-560	489.37	807,550	-10,020
22	486.44	751,510	-8,630	489.16	803,450	-4,100
23	486.45	751,700	+190	489.19	804,030	+580
24	486.50	752,630	+930	489.15	803,250	-780
25	486.65	755,440	+2,810	489.75	815,010	+11,760
26	486.55	753,570	-1,870	490.00	819,940	+4,930
27	486.49	752,440	-1,130	490.03	820,530	+590
28	486.58	754,130	+1,690	489.98	819,540	-990
29	486.29	748,710	-5,420	489.87	817,370	-2,170
30	486.12	745,540	-3,170	489.78	815,600	-1,770
31	486.31	749,080	+3,540	.....	.....	.....

1/ National Geodetic Vertical Datum of 1929.
2/ One cubic foot per second per day is equivalent to 1.9835 acre-feet.

Note: Maximum outflow discharge, 128,000 cubic feet per second, Apr. 14. Records furnished by Alabama Power Co.

TABLE 4.—*Summary of stages and contents of storage reservoirs*—Continued
Lewis Smith Reservoir near Jasper, Ala. 02451950

	March 1979			April 1979		
Day	Elevation 1/ NGVD of 1929 (feet)	Contents 2/ (ft^3/s/day)	Change in storage 2/ (ft^3/s/day)	Elevation 1/ NGVD of 1929 (feet)	Contents 2/ (ft^3/s/day)	Change in storage 2/ (ft^3/s/day)
1	507.81	698,760	.....	509.36	693,970	+3,380
2	509.96	700,360	+1,600	509.87	699,400	+5,430
3	512.64	729,640	+29,280	510.45	705,620	+6,220
4	515.33	760,320	+30,680	510.55	706,700	+1,080
5	515.55	762,880	+2,560	510.38	704,870	-1,830
6	516.12	769,580	+6,700	510.14	702,290	-2,580
7	515.84	778,120	+8,540	510.12	702,070	-220
8	515.30	759,970	-18,150	510.06	701,430	-640
9	514.68	752,780	-7,190	509.94	700,150	-1,280
10	514.16	746,810	-5,970	509.89	699,610	-540
11	513.61	740,550	-6,260	509.90	699,720	+110
12	513.01	733,780	-6,770	512.61	729,310	+29,590
13	512.70	730,310	-3,470	517.18	782,190	+52,880
14	512.35	726,410	-3,900	518.20	794,520	+12,330
15	511.99	722,420	-3,990	518.67	800,270	+5,750
16	511.60	718,130	-4,290	518.43	797,330	-2,940
17	511.20	713,750	-4,380	517.89	790,750	-6,580
18	510.74	708,750	-5,000	517.32	783,870	-6,880
19	510.35	704,540	-4,210	516.63	775,620	-8,250
20	510.60	707,240	+2,700	515.95	767,570	-8,050
21	509.60	696,520	-10,720	515.25	759,380	-8,190
22	509.16	691,860	-4,660	514.54	751,170	-8,210
23	509.50	695,460	+3,600	513.81	742,620	-8,550
24	509.82	698,860	+3,400	513.10	734,790	-7,830
25	510.04	701,220	+2,360	512.55	728,640	-6,150
26	509.77	698,330	-2,890	512.33	726,190	-2,450
27	509.48	695,250	-3,080	511.95	721,980	-4,210
28	509.33	693,650	-1,600	511.57	717,800	-4,180
29	509.19	692,180	-1,470	511.16	713,320	-4,480
30	509.04	690,590	-1,590	510.75	708,860	-4,460
31	509.04	690,590	0			

1/ National Geodetic Vertical Datum of 1929.
2/ One cubic foot per second per day is equivalent to 1.9835 acre-feet.

Note: Maximum outflow discharge 9,100 ft^3/day April, 21,23. Outflow April 12, 2,700 ft^3/s; April 13 and 14 no outflow; April 15, 1,400 ft^3/s.
Records furnished by Alabama Power Company.

TABLE 4.—*Summary of stages and contents of storage reservoirs*—Continued
Okatibbee Reservoir near Meridian, Miss. 02475976

	March 1979			April 1979		
Day	Elevation 1/ NGVD of 1929 (feet)	Contents 2/ (ft^3/s/day)	Change in storage 2/ (ft^3/s/day)	Elevation 1/ NGVD of 1929 (feet)	Contents 2/ (ft^3/s/day)	Change in storage 2/ (ft^3/s/day)
1	344.07	23,385	...	341.92	19,265	-142
2	344.15	23,543	158	342.15	19,674	408
3	347.33	30,976	7,433	342.80	20,879	1,204
4	350.05	38,567	7,591	343.71	22,649	1,770
5	350.66	40,435	1,867	344.27	23,802	1,152
6	350.51	39,982	-453	344.35	23,985	182
7	350.27	39,244	-737	344.31	23,892	-92
8	349.99	38,363	-880	344.68	24,697	804
9	349.66	37,399	-963	345.33	26,134	1,436
10	349.36	36,524	-875	345.62	26,802	667
11	349.04	35,608	-915	345.75	27,092	290
12	348.71	34,673	-934	349.41	36,686	9,593
13	348.38	33,775	-898	353.81	50,970	14,283
14	348.02	32,783	-991	355.24	56,293	5,323
15	347.64	31,791	-992	355.20	56,134	-159
16	347.26	30,802	-988	354.98	55,297	-836
17	346.85	29,764	-1,037	354.73	54,359	-938
18	346.46	28,799	-965	354.46	53,371	-987
19	346.06	27,817	-982	354.18	52,321	-1,049
20	345.66	26,897	-919	353.88	51,239	-1,081
21	345.36	26,203	-694	353.58	50,174	-1,065
22	345.23	25,899	-304	353.30	49,157	-1,017
23	345.05	25,493	-406	353.02	48,187	- 970
24	344.73	24,790	-702	352.76	47,290	- 897
25	344.31	23,896	-893	352.49	46,363	- 926
26	343.86	22,945	-950	352.23	45,482	- 880
27	343.39	22,016	-929	351.94	44,530	- 952
28	342.90	21,055	-961	351.62	43,494	-1,035
29	342.40	20,135	-920	351.29	42,405	-1,089
30	342.12	19,622	-513	350.94	41,292	-1,112
31	342.00	19,407	-214			

1/ National Geodetic Vertical Datum of 1929.
2/ One cubic foot per second per day is equivalent to 1.9835 acre-feet.

Note: Furnished by U.S. Army Corps of Engineers

TABLE 4.—*Summary of stages and contents of storage reservoirs*—Continued
Ross Barnett Reservoir near Jackson, Miss. 02485600

Day	March 1979		April 1979	
	Elevation above National Geodetic Vertical Datum at [1/] Meeks Bridge (feet)	[2/] Elevation above National Geodetic Vertical Datum at dam (feet)	Elevation above National Geodetic Vertical Datum at [1/] Meeks Bridge (feet)	[2/] Elevation above National Geodetic Vertical Datum at dam (feet
1	297.1	297.2	297.4	297.4
2	297.2	297.2	297.4	297.5
3	297.3	297.3	297.6	297.6
4	297.4	297.3	297.9	297.9
5	297.6	297.6	297.9	297.9
6	297.3	297.3	297.8	297.8
7	297.4	297.2	297.7	297.7
8	297.7	297.6	297.8	297.8
9	297.9	297.9	297.8	297.8
10	297.5	297.5	297.6	297.7
11	297.2	297.2	297.6	297.5
12	297.3	297.3	298.1	298.1
13	297.5	297.5	298.2	298.2
14	297.4	297.5	297.1	296.6
15	297.3	297.3	297.9	296.9
16	297.3	297.4	299.1	[3/] 298.8
17	297.3	297.3	300.0	299.7
18	297.3	297.4	299.2	299.1
19	297.3	297.3	297.9	297.8
20	297.3	297.4	297.2	297.2
21	297.3	297.4	296.6	296.6
22	297.4	297.4	296.2	296.3
23	297.5	297.4	296.1	296.1
24	297.4	297.4	...	296.0
25	297.4	297.4	...	296.0
26	297.3	297.4	...	296.0
27	297.4	297.4	...	296.1
28	297.4	297.4	...	296.2
29	297.4	297.4	...	296.2
30	297.4	297.4	...	296.3
31	297.4	297.4		

[1/] At State Highway 43, 7.6 miles upstream from dam.

[2/] Data furnished by Pearl River Valley Water Supply District (rounded to tenths).

[3/] Crest elevation 299.8 feet, 2300 hours April 16 to 0100 hours April 17.

TABLE 4.—*Summary of stages and contents of storage reservoirs*—Continued
Ross Barnett Reservoir near Jackson, Miss. 02485600—Continued

Discharge measurements of (02485000) Pearl River at Meeks Bridge near Canton, Mississippi, (State Highway 43).

Date	Mean time	Mean elevation National Geodetic Vertical Datum (feet)	Discharge (ft^3/s)
April 15	1740	298.3	128,000
April 16	1330	299.4	143,000
April 17	1730	299.3	102,000
April 18	1550	298.5	73,200
April 19	1420	297.2	43,700

TABLE 5.—*Flood-crest stages*

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
COOSA RIVER BASIN		
Coosa River:		
Jordan Dam near Wetumpka, Ala. (upstream)	18.9	256.8
Left bank	18.7	191.9
U.S. Geological Survey gaging station (02411000) on right bank 0.5 mi downstream from Jordan Dam, near Wetumpka, Ala	18.6	189.3
Right bank	17.7	186.0
Right bank	15.8	182.9
Right bank	14.6	178.9
Right bank	13.5	174.8
Right bank	12.2	170.9
U.S. Geological Survey gaging station (02411600) on downstream side of bridge on State Highway 14, in Wetumpka, Ala	11.4	169.6
Right bank	6.4	163.1
Mouth, at Alabama River, mile 314.4 (confluence of Coosa and Tallapoosa Rivers) near Montgomery, Ala	0.0	-----
TALLAPOOSA RIVER BASIN		
Tallapoosa River:		
Alabama Power Co. gage (02418500) on left bank, 1.5 mi downstream from Benjamin Fitzpatrick Highway bridge at Thurlow Dam, at Tallassee, Ala	48.0	212.6
Right bank	46.8	211.8
Left bank	44.1	209.5
U.S. National Weather Service gage (02419500) on Atlanta and West Point Railroad bridge at Milstead, Ala	39.8	203.5
Upstream side of Alabama Highway 229, 0.4 mi northeast of main channel, right bank	39.8	203.3
Right bank	39.8	202.9
Downstream side of Alabama Highway 229, 0.4 mi northeast of main channel, right bank	39.7	203.0
Right bank	39.7	202.7
Left bank	39.6	202.4

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
TALLAPOOSA RIVER BASIN--Continued		
Tallapoosa River--Continued		
Left bank	39.4	200.4
Left bank	37.1	197.1
Left bank	33.0	189.0
Left bank	28.0	182.0
Left bank	24.8	174.9
Left bank	21.0	171.3
Left bank	19.5	170.1
Left bank	14.8	168.0
Left bank	9.8	163.9
Left bank	9.6	163.4
Left bank	4.8	163.0
Mouth, at Alabama River mile 314.4 (confluence of Coosa and Tallapoosa Rivers) near Montgomery, Ala	0.0	-----
ALABAMA RIVER BASIN		
Alabama River:		
Confluence of Coosa and Tallapoosa Rivers near Montgomery, Ala	314.4	-----
Right bank	311.1	162.1
Left bank	304.8	159.4
Right bank	301.8	157.6
U.S. National Weather Service gage (02419988) on left bank in abandoned pumping station of the Riverview Manufacturing Co. at 715 Shady St., Montgomery, Ala	269.9	[a/]156.2
Right bank	291.2	155.0
U.S. Geological Survey gaging station (02420000) at bridge on U.S. Highway 31, near Montgomery, Ala	287.6	[a/]152.4
Left bank	277.6	147.6
Right bank	261.2	139.5
Left bank	255.0	137.5
U.S. Army Corps of Engineers gage (02421351) at downstream end of Jones Bluff lock and dam	245.4	[b/]133.2

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
ALABAMA RIVER BASIN--Continued		
Alabama River--Continued		
Right bank	244.9	133.1
Left bank	243.0	132.3
Right bank	239.5	130.3
Left bank	237.8	127.7
Left bank	234.5	128.1
Right bank	227.4	124.4
Right bank	219.4	119.3
U.S. Geological Survey gaging station (02423000) at bridge on U.S. Highway 80, at Selma, Ala	214.8	[c/] 116.8
Right bank	213.4	116.2
Right bank	205.4	112.9
Cahaba River	198.1	-----
Right bank	197.4	108.5
Right bank	187.8	104.0
Left bank	180.2	98.9
Left bank	169.4	93.9
Right bank	156.0	87.8
Left bank	133.0	78.2
Left bank	124.4	[d/] 73.2
Right bank	119.5	[d/] 73.9
Left bank	114.8	71.8
Left bank	110.5	68.2
Right bank	105.2	66.0
Right bank	80.0	53.5
Right bank	79.2	52.9
U.S. Geological Survey gaging station (02429500) downstream side of bridge on U.S. Highway 84, at Claiborne, Ala	76.1	[e/] 51.6
Right bank	74.9	50.9
Right bank	70.7	49.5
Right bank	68.9	47.8
Right bank	68.8	47.8
Right bank	63.2	44.0
Right bank	62.6	43.6
Left bank	61.3	42.6
Right bank	61.1	42.4
Left bank	58.7	41.8
Left bank	55.9	39.4

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
ALABAMA RIVER BASIN--Continued		
Alabama River--Continued		
Left bank	52.5	37.0
Right bank	51.6	35.8
Right bank	50.1	34.6
Right bank	48.0	33.3
Left bank	43.4	31.2
Right bank	42.1	31.1
Left bank	41.8	30.6
Right bank	39.8	30.5
Right bank	38.1	28.0
Right bank	31.0	24.9
Mouth, at Mobile River mile 45.0 (confluence of Alabama and Tombigbee Rivers) near Calvert, Ala	0.0	-----
CAHABA RIVER BASIN		
Shades Creek:		
Left bank 200 ft upstream from 5-barrel culvert and 100 ft north of U.S. Highway 78 in Irondale; Ala	53.2	707.0
Right bank at downstream end of 5-barrel culvert and 100 ft north of U.S. Highway 78 in Irondale, Ala	53.2	706.5
Right bank 100 ft upstream from U.S. Highway 78 in Irondale, Ala	53.1	706.4
Left bank 60 ft downstream from U.S. Highway 78 in Irondale, Ala	53.0	705.9
Right bank at downstream side of bridge on Elder Street in Birmingham, Ala	51.6	688.1
Right bank at upstream side of culvert on Old Leeds Road in Mountain Brook, Ala	49.0	675.1
Left bank 80 ft downstream from Old Leeds Road in Mountain Brook, Ala	49.0	675.2
Left bank 5 ft upstream from abutment of bridge on Beachwood Road in Mountain Brook, Ala	48.5	670.0
Left bank 100 ft downstream from Beachwood Road in Mountain Brook, Ala	48.5	669.4
Left bank on downstream side of Beachwood Road in Mountain Brook, Ala	47.9	664.6

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
CAHABA RIVER BASIN--Continued		
Shades Creek--Continued		
Right bank 20 ft upstream from Lakeshore Drive in Mountain Brook, Ala.....	47.3	654.5
Right bank at downstream end of bridge on Lakeshore Drive in Mountain Brook, Ala.....	47.3	651.3
Right bank 100 ft downstream from Lakeshore Drive in Mountain Brook, Ala...	47.2	650.9
Left downstream wingwall at bridge on old U.S. Highway 31 near Homewood, Ala...	45.1	637.9
Right bank at upstream side of bridge on Green Spring Highway in Homewood, Ala....	42.8	626.4
Right bank at downstream side of bridge on Green Spring Highway in Homewood, Ala.	42.8	626.4
Right bank at Shades Creek filter plant near Homewood, Ala.....	41.1	616.4
Right bank at downstream side of bridge on Oxmoor Road near Homewood, Ala.....	40.2	611.9
Right bank 35 ft upstream from gravel road 0.1 mile east of Shannon Road (E½SE¼ sec. 33, T. 18 S., R. 3 W.) near Homewood, Ala.....	39.2	601.2
Right bank 35 ft downstream from gravel road 0.1 mile east of Shannon Road (E½SE¼ sec. 33, T. 18 S., R. 3 W.) near Homewood, Ala.....	39.2	601.2
Right bank 25 ft upstream from Alabama State Highway 150, 0.6 mile southeast of Parkwood, Ala.....	31.5	553.1
Right bank at downstream side of Alabama State Highway 150, 0.6 mile southeast of Parkwood, Ala.....	31.5	553.0
Right bank at upstream side of county road 0.8 mile southwest of Parkwood, Ala.....	30.4	538.6
Right bank at downstream side of county road 0.8 mile southwest of Parkwood, Ala.	30.3	538.6
Left bank upstream side of Morgan Road near Hopewell, Ala.....	25.2	510.6
Left bank downstream from Morgan Road near Hopewell, Ala.....	25.2	510.4

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
CAHABA RIVER BASIN--Continued		
Shades Creek--Continued		
U.S. Geological Survey gage (02423630) on left bank on downstream side of bridge on Dickey Spring Road near Greenwood, Ala.	20.8	493.6
Mouth (at Cahaba River mile 104.2)	0.0	-----
TOMBIGBEE RIVER BASIN		
Tombigbee River:		
U.S. Geological Survey gaging station (02441500) on left bank, 1200 feet downstream from bridge on U.S. Highway 45E and 82, at Columbus, Miss.	319.7	164.4
Left bank at sediment range 10 B [f/]	319.3	164.0
Right bank near sediment range 9 B [f/]	318.5	163.8
Luxapallila Creek	317.4	-----
Right bank	317.1	163.2
Right bank near sediment range 20 A [f/]	316.0	162.6
Left bank near sediment range 19 A [f/]	315.0	161.0
Right bank at sediment range SA 12 [f/]	312.7	158.4
Left bank at sediment range 17 A [f/]	312.2	157.3
Right bank at sediment range 16 A [f/]	311.2	156.0
Right bank near sediment range 15 A [f/]	309.6	153.8
Right bank near sediment range 13 A [f/]	307.8	152.7
Left bank at sediment range 11 HB [f/]	307.3	[d/]152.7
Left bank at sediment range 8 HB [f/]	306.0	152.1
Right bank at sediment range 3 HB [f/]	302.6	[d/]150.6
Right bank at sediment range 8 A [f/]	300.2	150.7
Right bank near Southern Natural Gas pipeline near Forreston, Miss.	297.8	148.8
Right bank at sediment range 4 A [f/]	295.0	145.0
Right bank near sediment range 3 A [f/]	292.0	143.7
Left bank on staff gage at Pickensville Landing, Ala.	290.1	143.0
Left bank at sediment range 1 A [f/]	288.0	141.1
Left bank at sediment range 15 AG [f/]	286.2	139.7
Right bank near sediment range BCD [f/]	285.0	139.5
Left bank near sediment range 15 A [f/]	283.0	140.0
Left bank at sediment range 14 A [f/]	281.8	139.6

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
TOMBIGBEE RIVER BASIN--Continued		
Tombigbee River--Continued		
U.S. Geological Survey gaging station (02444500) near left bank, downstream side of bridge on State Highway 17, near Cochrane, Ala.	271.4	133.1
Right bank at sediment range 10 A [f/]	271.1	131.7
Left bank near sediment range 9 A [f/]	264.8	130.2
Right bank near sediment range 8 A [f/]	261.4	130.5
Right bank at sediment range 7 A [f/]	259.0	129.3
Left bank at sediment range 6 A [f/]	255.6	127.5
Right bank at sediment range 5 A [f/]	252.1	124.8
Left bank near sediment range 4 A [f/]	248.1	123.2
Right bank near sediment range 3 A [f/]	244.5	122.6
Right bank near sediment range 2 A [f/]	241.0	120.2
U.S. Geological Survey gaging station (02449000) near right bank on downstream side of bridge on State Highway 39 at Gainesville, Ala.	234.4	119.6
Right bank at sediment range 1 C [f/]	232.8	117.5
Left bank	229.4	116.2
Left bank at sediment range 3 C [f/]	229.0	116.2
Left bank	226.5	115.4
Left bank near sediment range 5 C [f/]	221.3	111.7
Right bank near sediment range 6 C [f/]	218.1	111.3
U.S. Geological Survey gaging station (02449500 discontinued) at bridge on U.S. Highway 11 at Epes, Ala.	215.2	108.9
Left bank near sediment range 7 C [f/]	212.9	107.4
Left bank near sediment range 8 C [f/]	207.9	106.8
Left bank near sediment range 9 C [f/]	204.2	104.3
Left bank, Bluffport, Ala.	202.0	102.5
Right bank near sediment range 10 C [f/]	200.5	101.5
Right bank near sediment range 11 C [f/]	198.3	100.7
Right bank near sediment range 12 C [f/]	193.0	96.4
Right bank near sediment range 12 CA [f/]	191.2	95.5
Right bank near sediment range RB 5 [f/]	189.8	[d/] 95.7
Left bank at sediment range RB 10 [f/]	185.0	[d/] 95.4
Right bank near sediment range RB 12 [f/]	183.0	[d/] 95.5
Right bank near sediment range 12 CE [f/]	180.8	95.2
Left bank near sediment range 13 C [f/]	179.9	95.2
Left bank 100 feet upstream from Black Warrior River	175.0	93.9

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
TOMBIGBEE RIVER BASIN--Continued		
Tombigbee River--Continued		
Left bank, old lock 4	174.5	93.8
Left bank, Demopolis Park	174.1	93.8
Left bank, Demopolis Park	174.0	93.6
Left bank near Alabama State grain elevators	173.0	93.4
U.S. Geological Survey gaging station (02467000) on left bank, 100 ft upstream from Demopolis lock and dam near Coatopa, Ala	171.2	93.0
Left bank about 1000 feet downstream from Demopolis lock and dam	170.9	92.4
Right bank	170.1	90.8
Right bank, Bethel Church	165.8	89.5
Left bank, Gulf States Company	163.6	87.3
Left bank about 0.15 mile upstream from Rooster bridge	159.8	84.7
Mouth of Sucarnoochee Creek	158.6	-----
Right bank	155.7	82.9
Old lock 3 on right bank	148.9	77.9
U.S. Geological Survey gaging station (02469761) near right bank at Coffeeville lock and dam near Coffeeville, Ala	74.7	51.5
U.S. Geological Survey gaging station (02469762) near right bank below Coffeeville lock and dam near Coffeeville, Ala	74.2	50.6
Mouth, at Mobile River mile 45.0 (confluence of Tombigbee and Alabama Rivers)	0.0	-----
Tombigbee River tributary streams:		
Luxapallila Creek near Columbus, Miss.:		
Left bank	7.0	177.9
Right bank	6.2	175.2
Right bank	6.0	175.2
Left bank	2.6	165.3
Mouth (at Tombigbee River at mile 317.4)	0.0	-----

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
TOMBIGBEE RIVER BASIN--Continued		
Tombigbee River tributary streams--Continued		
Noxubee River:		
Near Starkville, Miss., at State Highway 25, at upstream side of highway, 1000 feet left of main-channel bridge	g/125.4	261.7
--Downstream side of highway at right bank bridge abutment	g/125.4	258.4
Near Brooksville, Miss., upstream side of county highway in sec. 19, T. 16 N., R. 16 E., right bank, 2300 feet right of main channel	90.7	209.3
--Downstream side of county highway at right abutment of first relief opening left of main channel, at gage site	89.7	208.3
Near Macon, Miss., at Poplar Creek near county highway in SE¼NW¼ sec. 35, T. 15 N., R. 16 E., right bank, 4200 feet right	71.8	188.2
Macon, Miss., along county highway in SE¼SW¼ sec. 32, T. 15 N., R. 17 E., at golf course	66.3	184.9
Macon, Miss., upstream side of U.S. Highway 45 bridge, on left bank	g/ 63.1	182.1
U.S. Geological Survey gaging station (02448000) on downstream side of bridge on U.S. Highway 45 at Macon, Miss	63.1	182.4
Macon, Miss., upstream side of U.S. Highway 45 bypass, right bank, 200 feet right of main channel	g/ 60.2	179.7
--Downstream side of U.S. Highway 45 bypass at right abutment	g/ 60.2	178.4
Near Macon, Miss., along county highway crossing of Tibby Creek, left bank, 2400 feet left	50.2	167.9
Near Macon, Miss., at county highway bridge in sec. 33, T. 14 N., R. 18 E., left bank at main-channel bridge	43.7	163.0

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
TOMBIGBEE RIVER BASIN--Continued		
Tombigbee River tributary streams--Continued		
Noxubee River--Continued		
Near Paulette, Miss., at county highway in NE¼SE¼ sec. 17, T. 13 N., R. 18 E., right bank	39.9	157.8
--In NW¼SW¼ sec. 16, T. 13 N., R. 18 E., right bank	39.6	157.6
Near Geiger, Ala., upstream side of State Highway 17 (north bridge) left bank, 300 feet left of north channel	g/ 16.9	135.0
--Downstream side of State Highway 17 at left end of bridge	g/ 16.9	134.2
Near Geiger, Ala., upstream side of State Highway 17 (south bridge) right bank, 500 feet right of main channel	g/ 16.9	134.7
--Downstream side of State Highway 17, 600 feet right of main channel	g/ 16.9	134.2
U.S. Geological Survey gaging station (02448500) near left bank on downstream side of bridge on State Highway 17, near Geiger, Ala	16.9	134.7
Near Geiger, Ala., downstream side of St. Louis-San Francisco Railroad, right bank, 3000 feet right of main channel	g/ 14.7	133.6
Near Gainesville, Ala., upstream side of county highway, 3800 feet left of main channel	g/ .3	122.7
--Downstream side of county highway 3500 feet right of main channel	g/ .3	122.3
Sucarnoochee Creek:		
Near DeKalb, Miss., upstream side of State Highway 16, left bank, 2000 feet left	-----	261.4
--Downstream side of State Highway 16	-----	259.2
Near Porterville, Miss., downstream side of U.S. Highway 45, left end of main-channel bridge	-----	197.0
U.S. Geological Survey gaging station (02467500) on right bank 10 feet downstream from bridge on U.S. Highway 11 at Livingston, Ala	-----	123.5
Mouth, at Tombigbee River, mile 158.6	0.0	-----

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
PASCAGOULA RIVER BASIN		
Pascagoula River tributary streams:		
Okatibbee Creek:		
Okatibbee Dam, near Meridian, Miss., tailwater gage	37.6	321.6
County road bridge, near Meridian, Miss., highwater mark on 5-inch elm tree, 75 feet downstream left bank of bridge, 15 feet riverward of left bank abutment	33.4	315.6
County road bridge, near Meridian, Miss., highwater mark on downstream concrete piling of first pile bent from left abutment	30.1	311.4
State Highway 19, near Meridian, Miss., highwater mark on 12-inch creosote piling of first pile bent from right bent from right bank bridge abutment	27.2	305.7
State Highway 494, (Old Eighth Street) near Meridian, Miss., highwater mark on third downstream concrete hand-rail post from left bank abutment	23.2	301.1
U.S. Geological Survey gaging station (02476000 discontinued) at bridge on old U.S. Highway 80 near Meridian, Miss	21.5	294.3
Illinois Central Railroad, at Meridian, Miss., highwater mark on 14-inch oak tree located in slough, 50 feet upstream from Illinois Gulf Railroad	21.0	293.3
U.S. Highway 11, at Arundel, Miss., highwater mark on left bank bridge abutment cap	17.8	283.1
U.S. Geological Survey gaging station (02476600) on right bank, 400 feet upstream from bridge on county road at Arundel, Miss	16.3	280.5
County road bridge, near Basic City, Miss., highwater mark on downstream piling of second pile bent from left bank bridge abutment	11.4	272.6
County road bridge, at Basic City, Miss., highwater mark on streamward side of 14-inch oak tree, 25 feet from centerline of road, 50 feet from left bank downstream bridge abutment	6.4	266.7

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

(Data furnished by Corps of Engineers, Mobile District)

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
PASCAGOULA RIVER BASIN--Continued		
Pascagoula River tributary streams--Continued		
Okatibbee Creek--Continued		
County road bridge, near Enterprise, Miss., highwater mark on upstream pile located on first pile bent from right bank abutment.....	4.0	257.4
Mouth, at Enterprise, Miss., at Chickasawhay River mile 158.7.....	0.0	-----
Sowashee Creek at Meridian, Miss.		
Hawkins Crossing road bridge, highwater mark on upstream and downstream curb of bridge.....	10.6	335.4
Southern Railroad bridge, highwater mark on second bent from left bank abutment on downstream pile.....	10.0	332.1
U.S. Highway 11 and 80 bridge, highwater mark on upstream end of right bank concrete abutment.....	9.8	331.0
U.S. Geological Survey gaging station (02476500) upstream side of bridge on U.S. Highway 45 at Meridian, Miss.....	9.5	328.8
Meridian and Bigbee Railroad, highwater mark on downstream piling of first bent from left abutment.....	8.2	318.3
18th Avenue bridge, highwater mark on right bank abutment.....	8.1	317.0
--Highwater mark on first creosote piling on left bank upstream wingwall.	8.1	316.7
U.S. Highway 45 (business route) bridge highwater mark on 14-inch creosote sign pole 40 feet east of southeast corner of bridge.....	7.8	316.2
Grand Avenue bridge, highwater mark on power pole, 130 feet right of bridge, 25 feet upstream from centerline of road.....	7.1	313.7
--Highwater mark on upstream right bridge wingwall.....	7.1	313.2
--Highwater mark on downstream wall of concrete block building, 130 feet downstream and 200 feet right of right bridge abutment.....	7.1	312.7

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

(Data furnished by Corps of Engineers, Mobile District)

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
PASCAGOULA RIVER BASIN--Continued		
Pascagoula River tributary streams--Continued		
Sowashee Creek at Meridian, Miss.--Continued		
31st Avenue bridge, highwater mark on concrete guardrail post at right bank bridge abutment pile cap.....	6.6	310.7
--Highwater mark on rear of church about 120 feet from right bank abutment, 80 feet downstream from centerline of road.....	6.6	310.5
Gulf Mobile & Ohio Railroad, highwater mark on upstream piling of fifth pile bent from right abutment.....	6.5	308.3
I-20 frontage road bridge, highwater mark on upstream concrete pile of second pile bent from left bank abutment.....	5.6	302.6
49th Avenue bridge, highwater mark on 18-inch oak tree about 50 feet upstream and 60 feet left of left bank bridge abutment.....	4.8	301.4
--Highwater mark on 14-inch power pole 50 feet downstream and 130 feet from left bank bridge abutment.....	4.8	301.1
Mouth, at Okatibbee Creek mile 84.4.....	0.0	-----
PEARL RIVER BASIN		
Nanih Waiya Creek:		
Near Louisville, Miss., upstream side of State Highway 14, 150 feet right of main-channel bridge.....	g/458.5	468.3
--At downstream right abutment of main-channel bridge.....	g/458.5	466.4
Near Fearns Springs, Miss., upstream side of State Highway 490, 1800 feet right of main-channel bridge.....	g/446.2	434.6
--Downstream side of State Highway 490, 1800 feet right of main-channel bridge.....	g/446.2	433.9

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
PEARL RIVER BASIN--Continued		
Nanih Waiya Creek--Continued		
Near Handle, Miss., upstream side of State Highway 397, 1300 feet right of main-channel bridge	g/442.9	430.6
--Downstream side of State Highway 397, 1000 feet left of main-channel bridge	g/442.9	430.2
Pearl River:		
Near Burnside, Miss., upstream side of State Highway 15, 1700 feet left of main-channel bridge	g/416.2	401.3
--Downstream side of State Highway 15, 150 feet left of main-channel bridge	g/416.2	399.0
Near Philadelphia, Miss., upstream side of State Highway 19, 4800 feet right of main-channel bridge	g/412.9	395.2
--Downstream side of State Highway 19, 300 feet right of main-channel bridge	g/412.9	394.1
Edinburg, Miss., upstream side of State Highway 16, 1300 feet left of main-channel bridge	g/387.5	373.8
U.S. Geological Survey gaging station (02482000) right bank, 20 feet downstream from bridge on State Highway 16, at Edinburg, Miss	387.5	371.7
Near Edinburg, Miss., left bank, 1.5 miles downstream from State Highway 16, left bank	h/386.4	h/370.0
Near Sunrise, Miss., upstream side of county highway, 2100 feet right of main-channel bridge	g/378.5	362.0
--At Corps of Engineers profile point No. 17, left bank, in SW¼NE¼ sec. 1, T. 10 N., R. 8 E	376.0	h/355.7
Near Freeny, Miss., at State Highway 488 crossing of Standing Pine Creek	i/371.8	h/352.0
Near Carthage, Miss., upstream side of State Highway 35, 7000 feet right of main-channel bridge	g/366.3	344.7

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
PEARL RIVER BASIN--Continued		
Pearl River--Continued		
--Downstream side of State Highway 35, 7000 feet right of main-channel bridge..	g/366.3	343.3
U.S. Geological Survey gaging station (02482550) right bank on downstream side of bridge on State Highway 35, near Carthage, Miss.....	366.3	344.0
Near Carthage, Miss., 5.8 river miles downstream from bridge at State Highway 35, right bank of main channel.....	360.5	h/335.7
Near Wiggins, Miss., 4.3 river miles upstream from bridge at State Highway 13, left bank of main channel.....	358.4	h/335.2
Near Wiggins, Miss., upstream side of State Highway 13, 2000 feet left of main-channel bridge.....	g/354.1	332.8
--Downstream side of State Highway 13, left bank at end of main-channel bridge.	g/354.1	h/331.7
Near Wiggins, Miss., 1.8 river miles downstream from State Highway 13, right bank of main channel.....	352.3	h/330.4
Near Ofahoma, Miss., 6.3 river miles upstream from Ross Barnett Reservoir low-head dam, right bank 1400 feet right on right bank of Gogg Lake.....	348.8	h/327.8
Ross Barnett Reservoir low-head dam, right bank, 250 feet downstream.....	342.6	h/321.3
Near Ross Barnett Reservoir low-head dam 1.5 river miles downstream, right bank 2000 feet right of main channel, on right bank of Alligator Lake.....	341.4	h/319.5
Near Ratliff Ferry, 7.8 river miles upstream left bank, 1000 feet upstream from Rankin-Scott County line.....	338.2	317.3
Near Ratliff Ferry, 5.9 river miles upstream, right bank, 200 feet right of main channel.....	336.3	h/317.2
Ratliff Ferry, right bank, 200 feet right of main channel.....	330.4	313.1
River Bend, right bank, 60 feet right of main channel.....	328.5	310.4

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
PEARL RIVER BASIN--Continued		
Pearl River--Continued		
Near River Bend, 2.8 river miles downstream right bank 2000 feet right, of main channel at Natchez Trace crossing Brown Creek	325.8	305.8
Near Canton, Miss., along Natchez Trace, 2.0 miles north of State Highway 43	321.0	301.3
Near Canton, at State Highway 43, upstream side of State Highway 43, 3500 feet left of main-channel bridge	g/319.4	301.3
--Downstream side of State Highway 43, 50 feet left of main-channel bridge	g/319.4	299.9
U.S. Geological Survey gaging station (02485000 discontinued) downstream side of left main pier of Meeks bridge on State Highway 43 near Canton, Miss	319.4	300.0
Ross Barnett Reservoir dam, upstream side of dam at Control House gage	301.8	299.8
--Downstream side of dam, 10,500 feet right of spillway	301.6	288.2
Jackson, Miss., north side of Jackson Country Club at maintenance buildings	299.6	287.7
Jackson, Miss., southeast side of St. Andrews Drive, 400 feet northeast from intersection with St. Haylake Drive	298.0	287.3
--Old Canton Road at Purple Creek	296.6	286.8
Near Jackson, Miss., near north edge of sec. 23, T. 6 N., R. 2 E., 600 feet west of railroad	296.5	286.9
Near Jackson, Miss., on gravel road 0.5 miles west of Luckney, Miss	295.	286.4
Jackson, Miss., at intersection of East Northside Drive and East Cheryl	295.	286.1
Jackson, Miss., at Hanging Moss Creek at Interstate Highway 55	295.	286.4
Near Jackson, Miss., at intersection of State Highways 25 and 475 in NE¼ sec. 28, T. 6 N., R. 2 E	294.	285.6
Near Jackson, Miss., at State Highway 475, at Hog Branch	294.	284.7
At Jackson, Miss., in SE¼ sec. 19, T. 6 N., R. 2 E., at Lake Circle	293.3	285.2

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
PEARL RIVER BASIN--Continued		
Pearl River-Continued		
Near Jackson, Miss., in SE¼ sec. 29, T. 6 N., R. 2 E., upstream side of State Highway 25, at B-Line Gasoline-Jiffy Stop, 4200 feet left of main-channel bridge.....	293.2	285.2
--Downstream side of State Highway 25 across from B-Line Station.....	293.2	284.5
Jackson, Miss., upstream side of State Highway 25, 150 feet northwest of Lelia Drive intersection, 3500 feet west of main-channel bridge.....	292.5	284.6
--Downstream side State Highway 25, 100 feet south of Lelia Drive intersection..	292.5	283.6
Jackson, Miss., upstream side of State Highway 25, 1500 feet left of main-channel bridge.....	g/292.4	285.1
--Downstream side of State Highway 25 at left abutment.....	g/292.4	284.1
Near Jackson, Miss., at intersection of State Highway 468 and GM&O Railroad north of Flowood.....	291.9	284.1
Jackson, Miss., State Highway 25, at Smith-Wills Stadium.....	291.5	283.1
Jackson, Miss., upstream side of GM&O Railroad, right bank, 800 feet right main channel.....	g/290.6	282.3
--Downstream side of GM&O Railroad, right bank, 800 feet right of main channel....	g/290.6	281.8
Jackson, Miss., Interstate Highway 55 in NE¼ sec. 2, T. 5 N., R. 1 E., about 1000 feet north of Fortification Street.....	289.6	281.8
Jackson, Miss., on west side of building at corner of Noody and Harris Streets, 800 feet southwest of Fortification Street inside fairgrounds levee.....	289.2	279.4
Jackson, Miss., upstream side of Interstate Highway 55, left bank, 200 feet left of main-channel bridge.....	288.4	279.9
--Downstream side of Interstate Highway 55 at left abutment of main-channel bridge.....	g/288.3	279.3

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
PEARL RIVER BASIN--Continued		
Pearl River--Continued		
Jackson, Miss., on Tombigbee Street, 200 feet east of Jefferson Street across from northeast corner of Mississippi Power & Light Company building inside fairgrounds levee	288.2	279.4
Jackson, Miss., downstream side of Woodrow Wilson bridge at right abutment	g/287.6	278.7
Jackson, Miss., upstream side of I. C. Railroad, right bank	g/287.2	278.1
--Downstream side of I. C. Railroad at right end of bridge	g/287.2	277.8
Jackson, Miss., upstream side of U.S. Highway 80, right bank, 800 feet right of main-channel bridge	g/287.0	277.8
U.S. Geological Survey gaging station (02486000) on left bank at downstream side of bridge on U.S. Highway 80 at Jackson, Miss	287.0	277.0
Downstream side of U.S. Highway 80, right bank at end of main-channel bridge	287.0	276.9
Jackson, Miss., upstream side of Interstate Highway 20, right bank, 800 feet right of river	g/286.7	276.8
--Downstream side of Interstate Highway 20, right bank, 800 feet right of main channel	g/286.6	276.2
Jackson, Miss., GM&O Railroad at McDowell Road at abandoned landfill, right bank, 1000 feet right of main channel	285.6	275.5
Jackson, Miss., along GM&O Railroad about 300 feet south and 300 feet west of abandoned landfill entrance	j/284.7	273.6
Jackson, Miss., along GM&O Railroad, 2000 feet north of Savannah Street interchange, right bank, 1500 feet right of river at north levee of Wastewater Treatment Plant	282.4	272.6
--1500 feet south of Savannah Street interchange, 400 feet east of railroad at south levee of Wastewater Treatment Plant	281.4	270.8

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
PEARL RIVER BASIN--Continued		
Pearl River--Continued		
Elton, Miss., downstream side Elton Road, right bank, east side of railroad at Elton	279.1	269.7
Richland, Miss., upstream side of Sloan Drive, left bank, 4500 feet left of main channel	278.5	269.1
Byram, Miss., downstream side of county highway, right bank, 700 feet right of main channel	g/270.2	264.4
Near Rosemary, Miss., upstream side of county highway, right bank, 9000 feet right of river	g/259.2	256.9
--Downstream side of county highway, near left end of main-channel bridge	g/259.2	256.8
Near Moncure, Miss., upstream side of county highway, right bank, 3600 feet right of main channel	g/254.9	252.7
--Downstream side of county highway, right bank, at end of main-channel bridge	g/254.9	252.0
Near Gatesville, Miss., 300 feet upstream from county highway, left bank, 300 feet left of main channel	g/246.2	249.4
--Downstream side of highway, left bank, left end of main-channel bridge	g/246.2	249.3
Near Hopewell, Miss., downstream side of county highway, left bank at end of main-channel bridge	g/241.4	244.2
--Right bank, at end of main-channel bridge	g/241.4	244.3
Near Hopewell, Miss., along county road on east bank, 2¼ miles south of Hopewell road	j/236.2	241.7
Georgetown, Miss., 200 feet upstream from main-channel bridge at State Highway 28 left bank 200 feet left	g/231.7	231.7
--Downstream side of State Highway 28, left bank, at end of main-channel bridge	g/231.7	231.4
Near Georgetown, Miss., at Copiah Creek, right bank, 1300 feet right of main channel	i/228.2	228.6

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
PEARL RIVER BASIN--Continued		
Pearl River--Continued		
Near Rockport, Miss., at Keys Creek, right bank, 2100 feet right of main channel	ij/222.6	224.2
U.S. Geological Survey gaging station (02448000 discontinued) downstream side at right end of bridge on county highway near Rockport, Miss., (in abandoned gage house)	221.7	223.0
--Downstream left bank at end of bridge	221.7	222.9
Near Rockport, Miss., at Dry Creek, left bank 3000 ft left	i/220.3	220.8
--At Pegies Creek, right bank, 2300 feet right	i/216.4	217.5
--At Saddlebags Creek, right bank, 600 feet right	i/204.8	209.4
Near Ferguson, Miss., at St. Regis Paper Company pumping station, left bank	203.4	208.2
Wanilla, Miss., 7700 feet right of river, at State Highway 27 crossing of Bear Creek	gj/202.	206.3
Near Rosella, Miss., upstream side of county highway, left bank, 800 feet upstream	gj/200.0	202.4
--Downstream side of county highway, under reference point near center of main-channel span	gj/200.0	201.9
Near Monticello, Miss., at tributary, 1 mile north of intersection of U.S. Highway 84 and county highway, left bank, 2400 feet left	j/197.0	198.6
Monticello, Miss., at old bridge site, 1.1 miles upstream from U.S. Highway 84, right bank	191.9	195.0
Monticello, Miss., upstream side U.S. Highway 84, left bank, 700 feet left	g/190.8	193.9
--400 feet downstream from U.S. Highway 84, left bank, 300 feet left	g/190.8	192.3
U.S. Geological Survey gaging station (02488500) downstream side of left pier of bridge on U.S. Highway 84 near Monticello, Miss	190.8	192.6

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
PEARL RIVER BASIN--Continued		
Pearl River--Continued		
Near Monticello, Miss., at State Highway 587 crossing Halls Creek, right bank, 4500 feet	i/189.8	192.4
Near Monticello, Miss., at GM&O Railroad crossing Coopers Creek, 4000 feet right of Pearl River channel	i/184.3	187.1
Near Robinwood, Miss., at GM&O Railroad crossing tributary, 2500 feet right of main channel	183.5	184.3
Near Tilton, Miss., at State Highway 587 GM&O Railroad crossing Tilton Creek, 2700 feet right of main channel	i/166.3	172.9
Near White Bluff, at GM&O Railroad crossing small tributary, 3500 feet right of main channel	157.8	167.1
Morgantown, Miss., along north side of county road, 500 feet east of State Highway 587	151.3	160.0
Near Goss, Miss., at State Highway 13 crossing Holliday Creek, left bank, 8500 feet left of main channel	i/149.8	157.9
Near Columbia, Miss., at forest road along Twitty Creek, left bank, 500 feet left of main channel	147.6	155.3
Near Morgantown, Miss., at State Highway 587 crossing of small tributary, 2.8 miles southeast of Morgantown	146.1	154.9
Near Columbia, Miss., upstream side of State Highway 35 Bypass, 8300 feet left of main-channel bridge	gj/143.5	152.2
Near Columbia, Miss., upstream side of State Highway 35 Bypass, about 1000 feet left of main channel	g/141.6	150.4
--Downstream side of main-channel bridge at left abutment	g/141.6	148.7
Columbia, Miss., upstream side of GM&O Railroad right bank, 1000 feet right of main channel	g/138.7	146.7
--Downstream side of GM&O Railroad at right end of main-channel bridge	g/138.7	145.0

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
PEARL RIVER BASIN--Continued		
Pearl River--Continued		
Columbia, Miss., upstream side of U.S. Highway 98, right bank about 500 feet right of channel	g/137.8	144.8
National Weather Service gaging station (02489000) downstream side of upstream bridge on U.S. Highway 98 near Columbia, Miss., wire-weight gage reading	g/137.8	143.5
--Downstream side of U.S. Highway 98 at right abutment of main-channel bridge	g/137.8	142.8
Near Lampton, Miss., at State Highway crossing of Upper Little Creek, 2.2 miles left of river, half a mile south of Lampton	125.8	133.6
Near Hub, Miss., at State Highway 43 crossing of Lower Little Creek, 1.8 miles southwest of Hub, 1.2 miles left of river	121.9	125.9
Near Sandy Hook, Miss., 1800 feet east of railroad at upstream side of county highway	111.9	115.2
Near Marion-Pearl River County line, at State Highway 43 crossing tributary, left bank, 4000 feet left of main channel	j/103.4	106.6
Near Bogalusa, La., gaging station near right bank at downstream side of State Highway 10, 2 miles east of Bogalusa	78.2	h/ 78.3
Near Bogalusa, La., at Richardson's Landing on 5-inch tree, 300 feet upstream from landing	74.8	h/ 74.5
East Pearl River near Nicholson, downstream side Interstate Highway 59 near left downstream abutment	33.5	h/ 24.0
West Pearl River at Pearl River, La., on power pole 20 feet upstream from bridge	22.1	h/ 19.8
East Pearl River near Gainsville, Miss., on 24-inch tree on left bank	20.7	h/ 12.9

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
PEARL RIVER BASIN--Continued		
Pearl River--Continued		
West Pearl River at Davis Landing transferred to power pole downstream right bank end of boat ramp.....	16.6	h/ 11.8
East Pearl River near Slidell, La., downstream side Interstate Highway 10, near left abutment.....	15.4	10.2
East Pearl River near Pearlington, Miss., at U.S. Highway 90.....	9.0	h/ 5.0
West Pearl River near Pearlington, Miss., at U.S. Highway 80 near downstream right abutment.....	7.9	h/ 5.6
Pearl River tributary streams:		
Tallahaga Creek:		
Near Louisville, Miss., upstream side of State Highway 25, left bank, 500 feet left.....	g/ 15.9	480.5
--Downstream side of State Highway 25 at right end of main-channel bridge...	g/ 15.9	478.2
Near Noxapater, Miss., upstream side of State Highway 15, right bank, 1450 feet right.....	g/ 9.7	445.1
--Downstream side of State Highway 15, at right end of main-channel bridge...	g/ 9.7	443.7
Noxapater Creek:		
Near Louisville, Miss., upstream side of State Highway 25, left bank, 700 feet left.....	g/ 21.6	483.7
--Downstream side of State Highway 25 at right end of main-channel bridge...	21.6	479.5
Near Noxapater, Miss., upstream side of State Highway 15, right bank, 1000 feet right.....	g/ 10.9	430.8
--Downstream side of State Highway 15, left end of main-channel bridge.....	10.9	429.2

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
PEARL RIVER BASIN--Continued		
Pearl River tributary streams--Continued		
Lobutcha Creek:		
Near Zama, Miss., upstream side of county highway (Massy Crossing), left bank, 2900 feet left of main channel..	37.1	424.2
--Downstream side of county highway right bank, 150 feet right of main-channel bridge.....	37.1	422.8
Zama, Miss., upstream side of State Highway 19, right bank, 75 feet right of main-channel bridge.....	31.8	415.2
--Downstream side of State Highway 19, 500 feet right of right end of main-channel bridge.....	31.8	414.2
Near Renfroe, Miss., upstream side of State Highway 25, right bank, 500 feet right of main channel.....	16.7	385.9
--Downstream side of State Highway 25 at right end of main-channel bridge...	16.7	383.9
Near Carthage, Miss., upstream side of washed out county highway (Scotts Crossing), left bank, 50 feet right of main channel.....	10.9	369.0
Near Carthage, Miss., upstream side of State Highway 16, left bank, 4400 feet left of main channel.....	4.2	356.9
--Downstream side of State Highway 16 at right end of main-channel bridge...	4.2	355.0
Yockanookany River:		
Ackerman, Miss., upstream side of State Highway 15, left bank, 100 feet left of tributary and 200 feet south of Illinois Central Gulf Railroad.....	j/ 74.7	515.6
Near Fentress, Miss., upstream side of county road, left bank, 650 feet left.....	71.1	488.1
--Downstream side of county road at right end of main-channel bridge.....	71.1	485.3

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
PEARL RIVER BASIN--Continued		
Pearl River tributary streams--Continued		
Yockanookany River--Continued		
Weir, Miss., upstream side of county road, right bank, 900 feet right.....	66.7	460.4
--Downstream side of road at left end of main-channel bridge.....	66.7	459.8
Weir, Miss., upstream side of State Highway 413, right bank, 50 feet right.....	66.0	458.3
--Downstream side of State Highway 413 at right end of main-channel bridge...	66.0	457.0
McCool, Miss., upstream side of State Highway 411, left bank, 1200 feet left of main channel.....	60.1	437.9
--Downstream side of State Highway 411 at left end of main-channel bridge....	60.1	437.0
Near Ethel, Miss., upstream side of county highway east of Ethel, right bank, 1400 feet right.....	51.6	422.3
--Downstream side of county road, 100 feet right of main-channel bridge.....	51.6	421.1
Near Ethel, Miss., upstream side of county highway, south of Ethel, left bank, 1000 feet left.....	50.6	418.8
--Downstream side of county highway, 700 feet left of main-channel bridge..	50.6	416.7
Near Kosciusko, Miss., upstream side of county highway (Munson Crossing), 3 miles east of Kosciusko, right bank, 2200 feet right.....	45.3	402.4
--Downstream side of county highway, right bank, 3600 feet right.....	45.3	402.0
Near Kosciusko, Miss., 400 feet upstream from left end of bridge at State Highway 35, and about 300 feet left of main channel.....	41.9	398.9
--Downstream side of State Highway 35 at left end of bridge.....	41.9	397.0
U.S. Geological Survey gaging station (02484000) left bank on downstream side of bridge on State Highway 35 near Kosciusko, Miss.....	41.9	397.4

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
PEARL RIVER BASIN--Continued		
Pearl River tributary streams--Continued		
Yockanookany River--Continued		
Near Kosciusko, Miss., at crest-stage gage site 5-C, right bank, 600 feet right of main channel.....	j/ 40.9	394.0
--At crest-stage gage site 4-D, right bank, 1000 feet right of main channel.....	j/ 40.1	389.1
--At crest-stage gage site 3-D, right bank, 1800 feet right of main channel.....	j/ 38.4	384.7
--At crest-stage gage site 2-D, right bank, 3200 feet right of main channel.	j/ 37.2	381.2
--At crest-stage gage site 1-D, right bank, 2800 feet right of main channel.	j/ 35.9	379.1
Near Thomastown, Miss., downstream side of county highway, 4 miles northeast of Thomastown, right bank, 2000 feet right of main channel.....	28.2	368.8
Near Thomastown, Miss., upstream side of State Highway 429, right bank, 800 feet right of main channel.....	22.2	361.2
--Downstream side of State Highway 429 at left end of bridge.....	22.2	359.2
Near Ofahoma, Miss., upstream side of county highway (Red Dog Road), 8.6 river miles upstream from State Highway 16, 500 feet right of main-channel bridge.....	12.6	346.4
--Downstream side of main-channel bridge at left abutment.....	12.6	346.2
Near Ofahoma, Miss., upstream side of State Highway 16, right bank, 5800 feet right of main channel.....	4.0	335.3
U.S. Geological Survey gaging station (02484500) near center of span on downstream side of bridge on State Highway 16 near Ofahoma, Miss.....	3.0	334.4
--Downstream side of State Highway 16 near right abutment.....	3.0	333.1

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
BIG BLACK RIVER BASIN		
Big Black River:		
Near Tomnolan, Miss., downstream side of county highway, left bank	263.6	h/341.9
Near Stewart, Miss., upstream side of county highway, right bank, about 90 feet from main-channel bridge	258.5	h/327.7
Near Kilmichael, Miss., downstream side of State Highway 413, right bank	250.8	309.9
Near Vaiden, Miss., downstream State Highway 35, right bank, 1300 feet right of main-channel bridge	225.2	h/288.2
West, Miss., upstream side of State Highway 19, right bank, 1700 feet right of main channel	209.0	274.6
--Downstream side of State Highway 19 at right end of main-channel bridge	209.0	273.6
U.S. Geological Survey gaging station (07289350) downstream side of left pier of bridge on State Highway 19 at West, Miss	209.0	274.0
Durant, Miss., upstream side of State Highway 12, right bank, 6000 feet right	190.8	255.1
--Downstream side of State Highway 12, at left end of main-channel bridge	190.8	253.0
Near Goodman, Miss., upstream side of State Highway 14, right bank, 500 feet right of main channel	175.2	236.7
--Upstream side of State Highway 14, right bank, 6700 feet right of main-channel bridge	176.0	237.0
--Downstream side of State Highway 14 at left end of main-channel bridge	176.0	235.1
U.S. Geological Survey gaging station (07289500 discontinued) downstream side of bridge on old (abandoned) U.S. Highway 51 at Pickens, Miss., 220 feet right of bridge	162.7	h/219.9
Pickens, Miss., upstream side of U.S. Highway 51, right bank, 3200 feet right of main channel	161.2	218.7

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
BIG BLACK RIVER BASIN--Continued		
Big Black River--Continued		
--Downstream side of U.S. Highway 51 at left end of main-channel bridge	161.2	217.6
Way, Miss., upstream side of Illinois Central Railroad, left bank, 4500 feet left of main channel	145.8	201.3
--Downstream side of Illinois Central Railroad, left bank, 4500 feet left of main channel	145.8	200.4
Near Way, Miss., upstream side of Interstate Highway 55, right bank, 3800 feet right of main channel	144.5	199.6
--Downstream side of Interstate Highway 55 at left end of main-channel bridge	144.5	198.4
Near Canton, Miss., upstream side of State Highway 16, right bank, 3000 feet right of main-channel bridge	139.6	194.5
--Downstream side of State Highway 16 at right end of main-channel bridge	139.6	192.9
Near Bentonia, Miss., upstream side of U.S. Highway 49, right bank, 1000 feet right of main-channel bridge	106.0	162.9
--Downstream side of U.S. Highway 49 at right end of main-channel bridge	106.0	161.6
U.S. Army Corps of Engineers crest-stage gage (07289730) on downstream side of left pier of bridge on U.S. Highway 49 near Bentonia, Miss	106.0	161.6
Near Bentonia, Miss., at county highway at Turkeyfoot Branch, right bank, 1300 feet right	98.3	h/156.1
Near Nevada, Miss., at abandoned Coxs Ferry Road, right bank, 4000 feet right of main channel	92.8	h/154.2
Near Nevada, Miss., at abandoned Coxs Ferry Road, left bank, 3500 feet left of main channel	92.1	153.3
Near Nevada, Miss., at county highway near King Solomon Church, right bank, 5000 feet right	89.8	h/153.6

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
BIG BLACK RIVER BASIN--Continued		
Big Black River--Continued		
Near Nevada, Miss., at county highway near center of sec. 28, T. 8 N., R. 3 W., left bank, 4500 feet left	89.3	h/152.7
Near Youngton, Miss., at end of county highway in NW¼NW¼NE¼ sec. 10, T. 1 N., R. 4 W., left bank, 1000 feet left of main channel	81.0	h/148.0
Near Youngton, Miss., at county highway at Halls Creek, left bank, 3700 feet left of main channel	76.3	h/145.4
Near Edwards, Miss., at county highway at Rocky Creek, left bank, 4500 feet left of main channel	72.9	h/143.8
Near Edwards, Miss., at county highway at Askew Bridge (abandoned), left bank, 2500 feet left of main channel	70.3	140.2
Near Edwards, Miss., at upstream side of Interstate Highway 20, right bank, 2800 feet right of main channel	69.8	140.2
--Downstream side of Interstate Highway 20, at left end of main-channel bridge	69.8	139.5
Near Bovina, Miss., upstream side of U.S. Highway 80, left bank, 500 feet left of main channel	61.7	125.5
--Downstream side of U.S. Highway 80 at left end of main-channel bridge	61.7	125.0
U.S. Geological Survey gaging station (07290000) downstream side of left pier of bridge on U.S. Highway 80 near Bovina, Miss	61.7	125.5
Near Bovina, Miss., downstream side of Illinois Central Gulf Railroad at right end of main-channel bridge	61.2	124.1
Near Bovina, Miss., at county highway in NW¼NW¼ sec. 20, T. 15 N., R. 5 E., at Tee road north near Markham Creek, right bank, 5800 feet right of main channel	54.8	h/116.2
Near Utica, Miss., upstream side of State Highway 27, right bank, 900 feet right of main channel	51.7	113.8

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
BIG BLACK RIVER BASIN--Continued		
Big Black River--Continued		
--Downstream side of State Highway 27, at right end of main-channel bridge.....	51.7	112.4
Near Utica, Miss., upstream side of Fishers Bridge, right bank, 6000 feet right of main channel.....	39.4	105.5
--Downstream side of Fishers Bridge, 50 feet downstream from left end of main-channel bridge.....	39.4	104.4
Near Rocky Springs, Miss., at end of county highway in NW¼SE¼ sec. 37, T. 14 N., R. 4 E., left bank, 100 feet left of main channel.....	33.8	h/ 99.4
Near Port Gibson, Miss., at Hankinson Bridge, left bank, 100 feet left of main channel.....	23.0	h/ 94.3
--Right bank, 1300 feet right of main channel.....	23.0	93.8
Near Port Gibson, Miss., upstream side of left abutment of U.S. Highway 61 bridge.....	16.0	h/ 90.6
--Downstream side of U.S. Highway 61 at right abutment of main-channel bridge...	16.0	90.3
Near Port Gibson, Miss., at Karnac Lake Ferry, left bank, 200 feet left of main channel.....	8.3	h/ 87.4
Big Black River tributary streams:		
Bear Creek:		
Near Gluckstadt, Miss., downstream side of U.S. Highway 51, right bank.....	g/ 20.0	255.2
Near Canton, Miss., upstream side of U.S. Highway 51, left bank, 1000 feet left.....	g/ 12.0	224.0
--Downstream side of U.S. Highway 51, at right end of main-channel bridge...	g/ 12.0	222.9
Canton, Miss., upstream side of State Highway 22, left bank, 200 feet left..	g/ 10.0	217.4
--Downstream side of State Highway 22 at right end of main-channel bridge...	g/ 10.0	216.4

See footnotes at end of table.

TABLE 5.—*Flood-crest stages*—Continued

Stream and location	Distance upstream from mouth (miles)	Elevation above National geodetic vertical datum of 1929 (feet)
BIG BLACK RIVER BASIN--Continued		
Big Black River tributary streams--Continued		
Bear Creek--Continued		
Near Canton, Miss., upstream side of Interstate Highway 55, left bank, 200 feet left	g/ 9.3	215.1
--Downstream side of Interstate Highway 55 at right end of main-channel bridge	g/ 9.3	212.9
Near Canton, Miss., upstream side of county highway (old Yazoo City Road) left bank, 400 feet left	g/ 3.4	197.9
--Downstream side of county highway at right end of main-channel bridge	g/ 3.4	197.8

a Occurred April 16, 1979.
b Occurred April 17, 1979.
c Occurred April 18, 1979.
d Possible meander effect.
e Occurred April 22, 1979.
f Sediment range lines, U.S. Army Corps of Engineers sediment surveys.
g River mile at main channel bridge.
h Furnished by U.S. Army Corps of Engineers (rounded to nearest 0.1 foot).
i River mile at mouth of tributary.
j River mile assigned by U.S. Geological Survey.

TABLE 6.—*Streamflow velocities, Alabama River near Montgomery, Ala., 02420000, April 12-20, 1979*

Date	Time	Point* velocity (ft/s)	Average velocity (ft/s)	Stage (ft)	Discharge (ft^3/s)
4-12	2400	3.32	3.46	32.10	83,000
4-13	0600	4.16	4.15	34.60	108,000
4-13	1200	4.73	4.59	36.90	128,000
4-13	1800	5.00	4.76	39.40	142,000
4-13	2400	5.30	4.96	42.00	159,000
4-14	0600	5.60	5.15	45.30	183,000
4-14	1200	5.81	5.29	48.10	210,000
4-14	1800	5.92	5.36	50.00	229,000
4-14	2400	6.00	5.40	51.70	245,000
4-15	0600	6.02	5.42	52.63	254,000
4-15	1200	5.92	5.36	53.37	258,000
4-15	1800	5.85	5.32	53.87	260,000
4-15	2400	5.74	5.24	54.20	259,000
4-16	0600	5.66	5.19	54.40	258,000
4-16	1200	5.50	5.09	54.50	254,000
4-16	1800	5.40	5.02	54.41	250,000
4-16	2400	5.20	4.87	54.22	241,000
4-17	0600	5.10	4.83	53.82	236,000
4-17	1200	5.00	4.76	53.36	229,000
4-17	1800	4.84	4.66	52.92	221,000
4-17	2400	4.72	4.58	52.29	212,000
4-18	0600	4.60	4.50	51.70	204,000
4-18	1200	4.50	4.44	51.00	197,000
4-18	1800	4.48	4.43	50.00	189,000
4-18	2400	4.40	4.37	48.99	180,000
4-19	0600	4.30	4.31	48.00	170,000
4-19	1200	4.28	4.30	47.08	163,000
4-19	1800	4.26	4.28	46.02	158,000
4-19	2400	4.25	4.28	45.01	151,000
4-20	0600	4.20	4.24	43.80	143,000
4-20	1200	4.18	4.23	42.75	138,000
4-20	1800	4.12	4.19	41.60	133,000
4-20	2400	4.10	4.18	40.40	128,000

*From continuous velocity meter at stage of 15 feet, about 25 feet above stream bottom, at upstream end of center bridge pier on U.S. Highway 31 near Montgomery.

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*

[Includes data for flood of March 1979, where significant. Gage height, in feet; discharge, in cubic feet per second; accumulated runoff, in inches]

Site 02400100, Terrapin Creek at Ellisville, Ala.

[Maximum discharge occurred on March 4, 1979]

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
3-01	0200	6.70	648		3-07	1500	9.62	2,040	3.59
3-01	0900	6.71	652	0.03	3-07	2400	9.47	1,960	3.70
3-01	1200	6.76	674	0.05					
3-01	1300	6.75	670	0.05					
3-01	2400	6.57	594	0.09	3-08	0100	9.45	1,950	3.71
					3-08	2400	9.10	1,760	3.96
3-02	0100	6.56	590	0.10					
3-02	2400	6.25	475	0.17	3-09	0100	9.10	1,760	3.97
					3-09	2400	8.84	1,630	4.21
3-03	0800	6.19	455	0.19					
3-03	1300	6.29	489	0.20	3-10	0100	8.83	1,620	4.22
3-03	1400	6.35	510	0.21	3-10	2300	8.70	1,560	4.43
3-03	1500	6.49	562	0.21	3-10	2400	8.72	1,570	4.43
3-03	1600	6.75	670	0.22					
3-03	1800	7.38	955	0.23					
3-03	1900	7.87	1,180	0.23	3-11	0400	8.75	1,590	4.47
3-03	2000	8.79	1,600	0.24	3-11	0600	8.69	1,560	4.49
3-03	2100	9.99	2,240	0.26	3-11	1400	8.32	1,390	4.56
3-03	2200	11.51	3,260	0.28	3-11	2400	8.04	1,260	4.64
3-03	2300	13.04	3,890	0.30					
3-03	2400	14.19	5,530	0.33					
					3-12	0100	8.02	1,250	4.65
					3-12	2400	7.75	1,130	4.81
3-04	0300	16.26	8,730	0.47					
3-04	0700	18.21	14,100	0.76					
3-04	1100	19.49	18,400	1.17	3-13	0100	7.72	1,110	4.82
3-04	1300	19.72	19,600	1.40	3-13	2400	7.28	909	4.96
3-04	1800	18.71	15,600	1.92					
3-04	1900	18.25	14,200	2.01					
3-04	2000	17.99	13,400	2.09	3-14	0100	7.27	904	4.96
3-04	2300	16.41	9,080	2.28	3-14	1400	7.22	881	5.03
3-04	2400	15.98	8,090	2.32	3-14	2000	7.21	877	5.06
					3-14	2400	7.15	849	5.08
3-05	0100	15.52	7,340	2.37					
3-05	0200	15.00	6,500	2.41	3-15	0200	7.13	840	5.09
3-05	0600	14.12	5,440	2.55	3-15	2400	6.93	749	5.20
3-05	0800	13.77	4,960	2.61					
3-05	1500	12.95	3,820	2.79					
3-05	2400	12.05	3,610	2.99	3-16	0100	6.92	745	5.20
					3-16	0700	6.83	705	5.23
					3-16	1200	6.64	623	5.25
3-06	0100	11.91	3,540	3.01	3-16	1800	6.48	558	5.27
3-06	1200	10.82	2,780	3.22	3-16	2400	6.28	485	5.29
3-06	2400	10.08	2,300	3.40					
					3-17	0100	6.25	475	5.29
3-07	0100	10.02	2,260	3.41	3-17	1000	6.05	412	5.32

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02400100, Terrapin Creek at Ellisville, Ala.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
3-17	1800	5.94	379	5.33					
3-17	2400	5.91	371	5.35	3-27	0100	6.06	415	5.96
					3-27	2400	5.92	374	6.01
3-18	0100	5.91	371	5.35					
3-18	2400	5.84	352	5.40	3-28	0100	5.92	374	6.01
					3-28	2400	5.82	347	6.06
3-19	0200	5.83	350	5.40					
3-19	2400	5.77	334	5.45	3-29	0200	5.81	345	6.07
					3-29	2400	5.74	326	6.11
3-20	0100	5.77	334	5.45					
3-20	2400	5.72	321	5.50	3-30	0200	5.74	326	6.11
					3-30	2400	5.68	311	6.16
3-21	0400	5.71	319	5.50					
3-21	2400	5.65	304	5.54	3-31	0800	5.68	311	6.17
					3-31	2400	5.66	306	6.20
3-22	0400	5.65	304	5.55					
3-22	2400	5.59	289	5.58	4-01	1500	5.68	311	6.23
					4-01	1900	5.66	306	6.24
					4-01	2400	5.65	304	6.25
3-23	0400	5.59	289	5.59					
3-23	0800	5.77	334	5.60					
3-23	1100	6.06	415	5.61	4-02	1100	5.64	301	6.27
3-23	1200	6.36	514	5.61	4-02	1700	5.64	301	6.28
3-23	1400	7.12	835	5.62	4-02	2000	5.76	332	6.28
3-23	1500	7.55	1,030	5.62	4-02	2100	5.84	352	6.28
3-23	1600	7.85	1,170	5.63	4-02	2200	6.02	402	6.29
3-23	1700	7.90	1,190	5.64	4-02	2300	6.29	489	6.29
3-23	2200	7.43	978	5.67	4-02	2400	6.73	661	6.29
3-23	2400	7.53	1,020	5.68					
					4-03	0100	7.48	1,000	6.30
3-24	0200	7.61	1,060	5.69	4-03	0200	8.95	1,680	6.31
3-24	0300	7.60	1,060	5.70	4-03	0400	11.91	3,540	6.35
3-24	1900	6.91	740	5.79	4-03	0500	12.97	3,820	6.37
3-24	2400	6.76	674	5.81	4-03	0600	13.79	4,990	6.40
					4-03	0700	14.40	5,780	6.43
					4-03	1000	15.53	7,360	6.56
3-25	0100	6.74	666	5.81	4-03	1400	16.11	8,380	6.75
3-25	1300	6.48	558	5.85	4-03	1700	15.93	8,010	6.90
3-25	2400	6.31	496	5.89	4-03	2200	13.66	4,800	7.08
					4-03	2400	12.94	3,820	7.13
3-26	0100	6.30	492	5.89					
3-26	2400	6.07	418	5.95	4-04	0600	12.22	3,650	7.26
					4-04	1000	13.07	3,930	7.36

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
0240100, Terrapin Creek at Ellisville, Ala.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
4-04	1200	13.47	4,520	7.41	4-13	0900	17.68	12,400	10.29
4-04	1400	13.57	4,670	7.46	4-13	1600	17.19	11,000	10.77
4-04	1700	13.21	4,140	7.54	4-13	2000	17.26	11,300	11.04
4-04	1800	12.98	3,830	7.57	4-13	2200	17.12	10,800	11.18
4-04	2300	11.83	3,480	7.68	4-13	2400	16.72	9,810	11.30
4-04	2400	11.64	3,350	7.70					
					4-14	0100	16.43	9,130	11.35
4-05	0100	11.46	3,220	7.71	4-14	0400	15.32	7,020	11.49
4-05	0600	10.80	2,770	7.80	4-14	0600	14.68	6,120	11.56
4-05	1900	9.93	2,210	7.99	4-14	1100	13.73	4,900	11.72
4-05	2400	9.67	2,070	8.06	4-14	1800	12.93	3,810	11.90
					4-14	2400	12.39	3,690	12.04
4-06	0100	9.64	2,050	8.07					
4-06	2400	9.02	1,710	8.33	4-15	0100	12.32	3,670	12.06
					4-15	0700	11.81	3,470	12.19
					4-15	2100	10.51	2,580	12.44
4-07	0100	9.00	1,700	8.34	4-15	2400	10.30	2,450	12.48
4-07	2400	8.63	1,530	8.56					
					4-16	0100	10.24	2,410	12.50
4-08	0100	8.62	1,530	8.57	4-16	2200	9.52	1,990	12.77
4-08	2200	8.41	1,430	8.75	4-16	2400	9.49	1,970	12.79
4-08	2400	8.46	1,450	8.77					
					4-17	0100	9.47	1,960	12.81
4-09	0100	8.58	1,510	8.78	4-17	2400	9.15	1,780	13.06
4-09	0200	8.92	1,660	8.79					
4-09	0400	9.68	2,070	8.81					
4-09	0500	9.80	2,140	8.83	4-18	0100	9.14	1,780	13.07
4-09	1200	8.81	1,610	8.90	4-18	2400	8.88	1,640	13.31
4-09	2400	8.02	1,250	9.01					
					4-19	0100	8.87	1,640	13.32
4-10	0100	7.97	1,230	9.01	4-19	2400	8.63	1,530	13.54
4-10	1300	7.57	1,040	9.09					
4-10	2400	7.35	941	9.16					
					4-20	0100	8.61	1,520	13.55
					4-20	2300	8.31	1,380	13.74
4-11	0100	7.33	932	9.16	4-20	2400	8.24	1,350	13.75
4-11	2400	7.08	817	9.28					
					4-21	0100	8.18	1,320	13.76
					4-21	0700	7.99	1,240	13.80
4-12	0700	7.03	794	9.32	4-21	2400	7.81	1,150	13.93
4-12	0900	7.27	904	9.33					
4-12	1100	7.33	932	9.34					
4-12	1200	7.67	1,090	9.35	4-22	0200	7.79	1,140	13.94
4-12	1300	8.33	1,390	9.35	4-22	2400	7.61	1,060	14.09
4-12	1400	9.20	1,810	9.37					
4-12	1600	11.44	3,210	9.40	4-23	0200	7.61	1,060	14.10
4-12	1700	12.13	3,630	9.42	4-23	1500	7.46	992	14.18
4-12	1800	12.79	3,780	9.44	4-23	2400	7.27	904	14.23
4-12	2000	14.29	5,650	9.51					
4-12	2400	16.22	8,640	9.69					
					4-24	0100	7.25	895	14.24
					4-24	1600	7.06	808	14.31
4-13	0400	17.14	10,900	9.93	4-24	2400	7.00	780	14.35
4-13	0800	17.52	12,000	10.21					

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02401390, Big Canoe Creek at Ashville, Ala.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
3-01	0200	5.99	479						
3-01	0600	6.52	566	0.03	3-10	0100	5.47	403	5.05
3-01	1300	8.13	820	0.09	3-10	2400	5.30	380	5.14
3-01	1700	8.30	845	0.12					
3-01	2200	7.97	796	0.16					
3-01	2400	7.73	760	0.18	3-11	1100	5.45	400	5.19
					3-11	1800	5.31	382	5.21
					3-11	2400	5.12	356	5.24
3-02	0100	7.59	739	0.19					
3-02	1500	6.31	531	0.28					
3-02	2400	6.00	480	0.32	3-12	0100	5.09	352	5.24
					3-12	2400	4.71	302	5.32
3-03	0800	6.00	480	0.36					
3-03	1200	6.89	631	0.39	3-13	0100	4.70	301	5.32
3-03	1500	8.40	860	0.41	3-13	2400	4.49	274	5.39
3-03	1800	10.84	1,310	0.45					
3-03	1900	11.55	1,530	0.46					
3-03	2100	13.04	2,790	0.52	3-14	0100	4.48	273	5.39
3-03	2400	14.89	5,140	0.65	3-14	2400	4.43	267	5.46
3-04	0700	16.95	8,900	1.20	3-15	0100	4.42	266	5.46
3-04	1500	17.39	9,940	2.01	3-15	2400	4.15	237	5.52
3-04	1800	17.32	9,770	2.31					
3-04	2400	16.80	8,580	2.89					
					3-16	0100	4.14	235	5.52
					3-16	2400	3.99	219	5.58
3-05	0100	16.66	8,290	2.98					
3-05	1300	14.80	5,000	3.77					
3-05	2400	13.43	3,210	4.24	3-17	0100	3.98	218	5.58
					3-17	2400	3.85	202	5.63
3-06	0100	13.24	3,010	4.27					
3-06	0800	11.53	1,510	4.43	3-18	0100	3.85	202	5.63
3-06	1600	9.70	1,080	4.53	3-18	2400	3.75	190	5.68
3-06	2400	8.37	856	4.61					
					3-19	0200	3.75	190	5.68
3-07	0100	8.25	838	4.62	3-19	2400	3.65	178	5.73
3-07	2400	6.91	634	4.79					
					3-20	0100	3.65	178	5.73
3-08	0100	6.89	631	4.80	3-20	2400	3.58	170	5.77
3-08	2400	6.10	496	4.93					
					3-21	0500	3.58	170	5.78
3-09	0100	6.06	490	4.94	3-21	2400	3.52	162	5.81
3-09	2400	5.48	404	5.04					

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02401390, Big Canoe Creek at Ashville, Ala.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
3-22	0300	3.52	162	5.82	4-02	1900	3.67	180	6.53
3-22	2400	3.46	156	5.85	4-02	2200	3.82	198	6.53
					4-02	2400	4.44	268	6.54
3-23	0600	3.53	164	5.86					
3-23	0800	3.90	208	5.86	4-03	0100	5.03	344	6.54
3-23	1100	4.83	318	5.87	4-03	0200	5.87	461	6.55
3-23	1300	6.08	493	5.88	4-03	0500	9.00	950	6.57
3-23	1600	7.72	758	5.90	4-03	0900	11.32	1,430	6.63
3-23	2000	8.34	851	5.94	4-03	1200	12.25	2,180	6.69
3-23	2100	8.29	844	5.95	4-03	1800	12.71	2,520	6.84
3-23	2400	7.80	770	5.97	4-03	2400	12.31	2,220	6.99
3-24	0100	7.58	737	5.98	4-04	0100	12.21	2,150	7.01
3-24	1000	5.82	454	6.03	4-04	0700	11.45	1,470	7.12
3-24	2200	4.95	334	6.08	4-04	2400	11.17	1,390	7.38
3-24	2400	4.87	323	6.09					
					4-05	0100	11.06	1,370	7.40
3-25	0100	4.84	319	6.09	4-05	1900	7.93	790	7.59
3-25	2400	4.33	256	6.16	4-05	2400	7.39	709	7.63
3-26	0100	4.32	255	6.16	4-06	0100	7.30	695	7.64
3-26	2400	4.03	223	6.22	4-06	2400	6.07	491	7.78
3-27	0100	4.02	222	6.22	4-07	0100	6.04	487	7.78
3-27	2400	3.85	202	6.27	4-07	2400	5.37	390	7.88
3-28	0100	3.85	202	6.27	4-08	1900	5.12	356	7.96
3-28	2400	3.71	185	6.32	4-08	2300	5.84	457	7.97
					4-08	2400	6.16	506	7.98
3-29	0200	3.70	184	6.32					
3-29	2400	3.59	171	6.36	4-09	0500	8.18	827	8.02
					4-09	0900	8.64	896	8.05
					4-09	1000	8.58	887	8.06
3-30	0200	3.58	170	6.37	4-09	2400	6.28	526	8.17
3-30	2400	3.48	158	6.41					
					4-10	0100	6.18	510	8.17
3-31	2400	3.51	161	6.44	4-10	1400	5.44	399	8.23
					4-10	2400	5.19	365	8.27
4-01	2400	3.88	206	6.49					
					4-11	0100	5.18	364	8.27
					4-11	2400	4.82	317	8.36

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02401390, Big Canoe Creek at Ashville, Ala.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
					4-17	0100	7.27	691	14.34
					4-17	2400	6.24	519	14.48
4-12	0600	4.73	305	8.37					
4-12	0700	5.01	341	8.38					
4-12	1200	8.94	941	8.41	4-18	0100	6.20	513	14.48
4-12	1500	11.35	1,440	8.45	4-18	2400	5.61	423	14.60
4-12	1800	13.28	3,050	8.53					
4-12	2400	15.02	5,330	8.81					
					4-19	0100	5.59	420	14.60
					4-19	2400	5.18	364	14.69
4-13	1100	17.81	11,000	9.76					
4-13	1800	18.74	13,600	10.70					
4-13	2400	18.45	12,800	11.54	4-20	0100	5.16	361	14.70
					4-20	2400	4.84	319	14.78
4-14	0100	18.35	12,500	11.67					
4-14	1600	15.47	6,060	13.06	4-21	0100	4.83	318	14.78
4-14	2400	14.41	4,440	13.48	4-21	2400	4.60	288	14.85
4-15	0100	14.31	4,310	13.53	4-22	0100	4.59	287	14.86
4-15	1500	12.04	2,030	13.99	4-22	2400	4.44	268	14.92
4-15	1700	11.55	1,530	14.02					
4-15	2400	9.98	1,130	14.12					
					4-23	0100	4.42	266	14.93
					4-23	2400	4.32	255	14.99
4-16	0100	9.79	1,090	14.13					
4-16	1300	8.13	820	14.24					
4-16	2400	7.35	703	14.33	4-24	0100	4.31	254	14.99
					4-24	2400	4.24	246	15.05

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02404400, Choccolocco Creek at Jackson Shoals, Ala.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
3- 2	2400	19.49	955	0.00	4- 3	1300	33.80	19700	0.78
					4- 3	1400	33.70	19500	0.84
3- 3	1500	19.45	933	0.04	4- 3	2400	30.53	13400	1.27
3- 3	1700	19.63	1040	0.05					
3- 3	2000	20.56	1640	0.07	4- 4	0100	30.10	12800	1.31
3- 3	2100	21.21	2130	0.07	4- 4	0500	29.24	11500	1.46
3- 3	2200	22.87	3550	0.09	4- 4	1600	29.71	12200	1.89
3- 3	2300	24.76	5570	0.10	4- 4	2400	27.76	9460	2.13
3- 3	2400	26.81	8150	0.13					
					4- 5	0100	27.49	9090	2.16
3- 4	0500	34.03	20200	0.45	4- 5	1300	25.49	6450	2.41
3- 4	1400	37.76	30100	1.32	4- 5	2400	24.43	5180	2.59
3- 4	2400	35.55	23800	2.08					
					4- 6	0100	24.32	5060	2.61
3- 5	0100	35.19	22900	2.16	4- 6	2400	22.97	3640	2.88
3- 5	1000	32.56	17300	2.65					
3- 5	2400	28.24	10100	3.11	4- 7	0100	22.94	3620	2.89
					4- 7	2400	22.20	2950	3.10
3- 6	0100	27.98	9770	3.14					
3- 6	1000	26.78	8110	3.37	4-10	2400	21.45	2320	0.00
3- 6	2400	25.81	6850	3.68					
					4-11	0200	21.44	2310	0.01
3- 7	0100	25.76	6790	3.70	4-11	2400	21.11	2050	0.16
3- 7	2400	24.24	4970	4.07					
					4-12	0800	21.16	2090	0.21
3- 8	0100	24.18	4910	4.08	4-12	1200	22.09	2860	0.25
3- 8	2000	22.84	3530	4.30	4-12	1300	22.60	3310	0.26
3- 8	2100	22.00	2780	4.31	4-12	1500	24.70	5500	0.30
3- 8	2200	22.75	3450	4.32	4-12	2200	33.32	18700	0.71
3- 8	2400	22.57	3280	4.34	4-12	2400	34.15	20400	0.84
3- 9	0100	22.52	3248	4.35	4-13	0900	35.52	23800	1.53
3- 9	2400	21.79	2600	4.54	4-13	1900	37.76	30100	2.49
					4-13	2400	36.92	27600	2.94
4- 1	2400	18.99	685	0.00					
					4-14	0100	36.79	27200	3.02
4- 2	1900	18.98	680	0.04	4-14	2100	30.59	13500	3.89
4- 2	2000	19.09	735	0.04					
4- 2	2100	19.36	883	0.05	4-15	0100	29.54	12000	4.04
4- 2	2200	19.96	1240	0.05	4-15	0600	28.76	10900	4.22
4- 2	2300	21.42	2300	0.06	4-15	2400	26.68	7980	4.68
4- 2	2400	23.60	4270	0.07					
					4-16	0100	26.58	7850	4.70
4- 3	0400	30.20	12900	0.24	4-16	2400	24.57	5340	5.09
4- 3	0800	32.82	17800	0.46					

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02407000, Coosa River at Childersburg, Ala.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
3- 2	2400	16.18	33500	0.00	4-11	2400	15.76	31800	0.00
3- 3	0600	16.17	34106	0.04	4-12	0600	14.87	19000	0.02
3- 3	1200	16.21	34800	0.08	4-12	1200	15.96	43700	0.07
3- 3	1800	16.25	36100	0.12	4-12	1800	19.54	77400	0.16
3- 3	2400	19.52	65300	0.19	4-12	2400	21.61	84400	0.25
3- 4	0600	21.53	78100	0.28	4-13	0600	22.89	93300	0.35
3- 4	1200	22.79	91300	0.38	4-13	1200	24.87	115000	0.48
3- 4	1800	24.32	110000	0.50	4-13	1800	26.58	132000	0.63
3- 4	2400	25.10	117000	0.63	4-13	2400	27.87	146000	0.79
3- 5	0300	25.16	119000	0.69	4-14	0600	28.68	150000	0.95
3- 5	0600	25.12	116000	0.76	4-14	1200	28.92	148000	1.12
3- 5	1200	24.82	111000	0.88	4-14	1500	28.99	149000	1.20
3- 5	1800	24.53	111000	1.00	4-14	1800	28.96	148000	1.28
3- 5	2400	24.22	107000	1.12	4-14	2400	28.82	148000	1.45
3- 6	0600	23.89	107000	1.24	4-15	0600	28.49	145000	1.61
3- 6	1200	23.47	101000	1.35	4-15	1200	28.11	141000	1.76
3- 6	1800	23.15	98400	1.46	4-15	1800	27.69	138000	1.92
3- 6	2400	22.93	95600	1.57	4-15	2400	27.28	134000	2.06
3- 7	0600	22.73	95000	1.67	4-16	0600	26.87	133000	2.21
3- 7	1200	22.60	91900	1.78	4-16	1200	26.31	127000	2.35
3- 7	1800	22.52	91200	1.88	4-16	1800	25.65	118000	2.48
3- 7	2400	22.44	91600	1.98	4-16	2400	24.93	110000	2.61
3- 8	0600	22.33	91800	2.08	4-17	0600	24.02	101000	2.72
3- 8	1200	22.12	87100	2.18	4-17	1200	23.30	97400	2.83
3- 8	1800	22.09	88800	2.27	4-17	1800	22.47	87700	2.92
3- 8	2400	22.03	88400	2.37	4-17	2400	21.91	84500	3.02
3- 9	0600	21.95	88700	2.47	4-18	0600	21.56	82100	3.11
3- 9	1200	21.68	84100	2.56	4-18	1200	21.15	77100	3.19
3- 9	1800	21.21	76900	2.65	4-18	1800	20.70	74400	3.28
3- 9	2400	20.91	76700	2.73	4-18	2400	20.46	74500	3.36
3-10	0600	20.74	75688	2.82	4-19	0600	20.29	74200	3.44
3-10	1200	20.37	70500	2.90	4-19	1200	19.99	70500	3.52
3-10	1800	19.99	68800	2.97	4-19	1800	19.70	64700	3.59
3-10	2400	19.93	70100	3.05	4-19	2400	19.48	65900	3.66
3-11	0600	19.96	71100	3.13	4-20	0600	19.33	65000	3.73
3-11	1200	19.89	69100	3.21	4-20	1200	19.28	64700	3.81
3-11	1800	19.86	68100	3.28	4-20	1800	19.27	64600	3.88
3-11	2400	19.79	67700	3.36	4-20	2400	19.25	64500	3.95
3-12	0600	19.71	68800	3.43	4-21	0600	19.22	64400	4.02
3-12	1200	19.59	64700	3.51	4-21	1200	19.18	63400	4.09
3-12	1800	19.43	62400	3.57	4-21	1800	18.97	60000	4.16
3-12	2400	19.34	63500	3.64	4-21	2400	18.81	58900	4.22
3-13	0600	19.30	63300	3.71	4-22	0600	18.78	59700	4.29
3-13	1200	19.32	62600	3.78	4-22	1200	18.74	59600	4.36
3-13	1800	19.19	60300	3.85	4-22	1800	18.71	60200	4.42
3-13	2400	19.06	59600	3.92	4-22	2400	18.71	60200	4.49
3-14	0600	19.03	60200	3.98	4-23	0600	18.68	59300	4.55
3-14	1200	18.97	59900	4.05	4-23	1200	18.19	49100	4.61
3-14	1800	18.79	50000	4.12	4-23	1800	17.76	50200	4.66
3-14	2400	18.69	58600	4.18	4-23	2400	17.33	40700	4.71

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02411000, Coosa River at Jordan Dam

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
3- 2	2400	c	40700	0.00	4-12	0600	c	32600	0.03
					4-12	1200	c	39900	0.07
3- 3	0400	c	40700	0.02	4-12	1800	c	80000	0.14
3- 3	0600	c	34000	0.04	4-12	2400	c	191000	0.31
3- 3	1200	c	34000	0.07					
3- 3	1400	c	49000	0.08	4-13	0400	c	195000	0.43
3- 3	1600	c	56200	0.10	4-13	0900	c	199000	0.58
3- 3	1800	c	65100	0.12	4-13	1200	c	215000	0.68
3- 3	2400	c	146000	0.25	4-13	1500	c	267000	0.80
					4-13	1800	c	305000	0.94
3- 4	0600	c	251000	0.48	4-13	2000	c	316000	1.04
3- 4	0800	c	253000	0.56	4-13	2100	c	301000	1.08
3- 4	1000	c	253000	0.63	4-13	2200	c	308000	1.13
3- 4	1200	c	251000	0.71	4-13	2300	c	311000	1.18
3- 4	1800	c	227000	0.92	4-13	2400	c	308000	1.22
3- 4	2400	c	190000	1.09					
					4-14	0400	c	298000	1.41
3- 5	0600	c	163000	1.24	4-14	0800	c	264000	1.57
3- 5	1200	c	158000	1.38	4-14	1200	c	239000	1.71
3- 5	1800	c	136000	1.51	4-14	1800	c	211000	1.90
3- 5	2200	c	101000	1.57	4-14	2400	c	186000	2.07
3- 5	2400	c	110000	1.60					
					4-15	0600	c	174000	2.23
3- 6	0100	c	114000	1.62	4-15	0900	c	147000	2.30
3- 6	0200	c	120000	1.64	4-15	1200	c	155000	2.37
3- 6	0600	c	114000	1.71	4-15	1800	c	149000	2.50
3- 6	1200	c	114000	1.81	4-15	2400	c	148000	2.64
3- 6	1800	c	101000	1.90					
3- 6	2100	c	92500	1.94	4-16	0600	c	147000	2.77
3- 6	2400	c	99700	1.99	4-16	1200	c	137000	2.90
					4-16	1800	c	136000	3.02
3- 7	0200	c	99700	2.02	4-16	2400	c	119000	3.13
3- 7	0300	c	105000	2.04					
3- 7	1200	c	96200	2.17	4-17	0600	c	115000	3.24
3- 7	1800	c	93000	2.25	4-17	1200	c	115000	3.34
3- 7	2400	c	95000	2.34	4-17	1800	c	105000	3.44
					4-17	2400	c	96700	3.52
4-11	2400	c	35600	0.00					
					4-18	0600	c	99900	3.62
					4-18	1200	c	79100	3.69
					4-18	1800	c	79900	3.76
					4-18	2400	c	82000	3.84

c No gage height record.

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02412000, Tallapoosa River near Heflin, Ala.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
3-01	0100	5.77	905		3-06	1200	26.24	18,600	4.13
3-01	2400	5.48	818	0.07	3-06	2400	23.87	13,400	4.80
3-02	0100	5.47	815	0.07					
3-02	2400	5.22	740	0.13	3-07	0100	23.61	12,900	4.85
					3-07	1300	16.51	6,010	5.24
					3-07	1600	11.38	3,280	5.29
3-03	1700	5.31	767	0.18	3-07	1800	8.90	2,160	5.31
3-03	1800	5.49	821	0.18	3-07	2100	7.72	1,630	5.33
3-03	1900	5.98	968	0.19	3-07	2400	7.44	1,500	5.35
3-03	2000	6.97	1,310	0.19					
3-03	2100	8.37	1,930	0.19					
3-03	2400	14.47	4,780	0.23	3-08	0100	7.38	1,480	5.35
					3-08	2400	6.65	1,190	5.46
3-04	0400	20.68	9,060	0.33					
3-04	0900	26.26	18,700	0.57	3-09	0100	6.63	1,180	5.46
3-04	1200	26.62	19,600	0.77	3-09	2400	6.21	1,040	5.55
3-04	2400	26.59	19,500	1.59					
					3-10	0100	6.19	1,030	5.56
3-05	2000	27.13	20,800	2.99	3-10	2400	6.04	987	5.64
3-05	2400	27.13	20,800	3.28					
					3-11	1900	6.23	1,050	5.70
3-06	0500	27.14	20,900	3.65	3-11	2400	6.17	1,030	5.72

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02412000, Tallapoosa River near Heflin, Ala.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
4-01	0200	4.69	581		4-08	2400	6.70	1,200	2.62
4-01	1600	4.81	617	0.03					
4-01	2300	4.74	596	0.05					
4-01	2400	4.72	590	0.05	4-09	1700	7.62	1,580	2.70
					4-09	1900	7.59	1,570	2.71
					4-09	2400	7.37	1,470	2.74
4-02	2000	4.70	584	0.09					
4-02	2200	4.95	659	0.09					
4-02	2300	5.50	824	0.10	4-10	0100	7.32	1,450	2.74
4-02	2400	6.50	1,140	0.10	4-10	2400	6.57	1,160	2.85
4-03	0100	7.62	1,580	0.11	4-11	0100	6.55	1,150	2.85
4-03	0400	13.18	4,100	0.14	4-11	2400	6.13	1,020	2.94
4-03	1000	16.88	6,230	0.26					
4-03	1900	18.28	7,200	0.48					
4-03	2400	18.37	7,260	0.60	4-12	0900	6.15	1,020	2.97
					4-12	1100	6.71	1,210	2.98
					4-12	1500	7.87	1,700	3.00
4-04	1000	20.82	9,200	0.88	4-12	1700	8.22	1,850	3.01
4-04	1800	22.08	10,600	1.17	4-12	1800	8.89	2,160	3.02
4-04	1900	22.04	10,600	1.21	4-12	2400	15.30	5,280	3.11
4-04	2400	21.72	10,200	1.39					
					4-13	1000	20.62	9,000	3.36
4-05	0100	21.60	10,100	1.42	4-13	2400	24.89	15,300	3.97
4-05	2400	18.16	7,110	2.11					
					4-14	1400	27.07	20,700	4.88
4-06	0100	17.90	6,930	2.13	4-14	1900	27.17	20,900	5.24
4-06	0700	14.95	5,070	2.25	4-14	2400	26.88	20,200	5.60
4-06	1100	10.70	2,970	2.31					
4-06	1400	9.16	2,280	2.33					
4-06	2300	7.93	1,720	2.39	4-15	0100	26.78	20,000	5.67
4-06	2400	7.87	1,700	2.40	4-15	2400	23.29	12,400	6.95
4-07	0100	7.79	1,660	2.40	4-16	0100	23.08	12,100	6.99
4-07	2400	6.90	1,280	2.52	4-16	1400	17.84	6,890	7.43
					4-16	1900	11.19	3,190	7.51
					4-16	2100	9.37	2,370	7.53
4-08	0100	6.88	1,270	2.52	4-16	2400	8.44	1,950	7.55

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02413300, Little Tallapoosa River near Newell, Ala.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
3-02	0200	4.10	710						
3-02	0200	4.10	710	0.01					
3-02	2400	3.91	634	0.06	3-13	0100	4.20	750	2.33
					3-13	2400	3.96	654	2.39
3-03	1700	3.91	634	0.10					
3-03	1900	4.16	734	0.11	3-14	0200	3.94	646	2.40
3-03	2100	5.05	1,090	0.12	3-14	2400	3.86	614	2.45
3-03	2200	5.81	1,440	0.12					
3-03	2400	8.11	2,670	0.14					
					4-01	2400	3.40	430	0.04
3-04	0400	12.46	5,520	0.21					
3-04	0800	15.20	7,800	0.32	4-02	2200	3.42	438	0.08
3-04	1100	15.45	8,050	0.41	4-02	2300	3.52	478	0.08
3-04	1300	15.03	7,630	0.47	4-02	2400	3.77	578	0.08
3-04	2300	11.87	5,110	0.71					
3-04	2400	11.72	5,000	0.73					
					4-03	0100	4.38	822	0.08
					4-03	0300	6.27	1,670	0.09
3-05	0100	11.55	4,890	0.75	4-03	0400	8.85	3,110	0.11
3-05	2400	10.30	4,010	1.14	4-03	0700	12.46	5,520	0.16
					4-03	1000	12.91	5,840	0.23
					4-03	1200	12.70	5,690	0.27
3-06	0100	10.23	3,960	1.16	4-03	2400	10.67	4,270	0.50
3-06	2400	9.01	3,210	1.48					
					4-04	0400	11.13	4,590	0.56
3-07	0100	8.92	3,150	1.49	4-04	0800	13.66	6,430	0.65
3-07	2400	7.42	2,250	1.72	4-04	2300	12.11	5,280	0.98
					4-04	2400	12.13	5,290	1.00
3-08	0100	7.37	2,220	1.73					
3-08	2400	6.27	1,670	1.90	4-05	0100	12.09	5,260	1.02
					4-05	2400	11.53	4,870	1.48
3-09	0100	6.23	1,650	1.91					
3-09	2400	5.62	1,340	2.04	4-06	0100	11.46	4,820	1.50
					4-06	2400	8.70	3,020	1.84
3-10	0100	5.60	1,330	2.05					
3-10	2400	5.19	1,150	2.15	4-07	0100	8.60	2,960	1.85
					4-07	2000	7.03	2,050	2.03
					4-07	2400	6.83	1,950	2.06
3-11	0100	5.19	1,150	2.16					
3-11	2400	4.67	938	2.25					
					4-08	0100	6.78	1,920	2.07
					4-08	2000	6.16	1,610	2.20
3-12	0100	4.67	938	2.25	4-08	2400	6.55	1,810	2.22
3-12	2400	4.23	762	2.33					

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02413300, Little Tallapoosa River near Newell, Ala.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
					4-13	1800	16.66	9,930	3.40
4-09	0100	6.64	1,850	2.23	4-13	2400	16.10	8,940	3.61
4-09	2400	5.91	1,490	2.38					
					4-14	0700	16.20	9,100	3.85
4-10	0100	5.88	1,470	2.38	4-14	2400	15.81	8,490	4.44
4-10	2400	5.31	1,190	2.50					
					4-15	0100	15.79	8,470	4.47
4-11	0100	5.29	1,190	2.51	4-15	2400	12.78	5,750	5.11
4-11	2400	4.82	998	2.60					
					4-16	0100	12.61	5,630	5.13
4-12	1000	4.76	974	2.64	4-16	1800	9.43	3,460	5.42
4-12	1700	5.29	1,190	2.67	4-16	2400	8.75	3,050	5.49
4-12	1800	5.79	1,430	2.67					
4-12	1900	7.03	2,050	2.68					
4-12	2000	8.77	3,060	2.69	4-17	0100	8.67	3,000	5.50
4-12	2200	10.13	3,890	2.72	4-17	2400	7.63	2,380	5.73
4-12	2300	10.00	3,800	2.74					
4-12	2400	11.96	5,170	2.76					
					4-18	0100	7.60	2,360	5.74
					4-18	2400	6.77	1,920	5.93
4-13	0500	14.24	6,920	2.88					
4-13	1000	16.67	9,950	3.04					
4-13	1400	17.80	12,700	3.23	4-19	0100	6.70	1,880	5.94
4-13	1500	17.80	12,700	3.28	4-19	2400	6.05	1,560	6.09

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02414500, Tallapoosa River at Wadley, Ala.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
3- 2	2400	5.51	3500	0.00
3- 3	1745	5.53	3530	0.06
3- 3	2100	6.06	4350	0.07
3- 3	2400	6.98	5890	0.09
3- 4	0130	7.99	7950	0.10
3- 4	0630	13.01	19500	0.19
3- 4	0915	15.67	25700	0.26
3- 4	1000	16.90	28700	0.28
3- 4	1430	26.67	67600	0.55
3- 4	1815	28.23	76200	0.83
3- 4	1845	28.12	75600	0.85
3- 4	2400	26.17	64900	1.18
3- 5	0015	26.03	64100	1.19
3- 5	0400	23.55	51500	1.38
3- 5	1000	21.84	43300	1.62
3- 5	2400	18.84	33800	2.06
3- 6	0015	18.76	33600	2.07
3- 6	1015	17.52	30300	2.35
3- 6	2130	16.39	27400	2.63
3- 7	0915	15.71	25800	2.92
3- 7	0930	15.67	25700	2.92
3- 7	2400	13.94	21600	3.22
3- 8	0030	13.84	21400	3.23
3- 8	1045	11.62	16300	3.38
3- 8	1745	8.55	9240	3.44
3- 9	0900	7.33	6550	3.54
3- 9	0915	7.32	6530	3.54
3- 9	2400	6.92	5790	3.62
4- 2	2400	4.89	2610	0.00
4- 3	0200	4.96	2700	0.01
4- 3	0600	6.16	4510	0.02
4- 3	1000	12.82	19100	0.09
4- 3	1200	14.67	23300	0.14
4- 3	1400	16.28	27200	0.19
4- 3	2000	18.39	32600	0.37
4- 3	2400	17.62	30600	0.48
4- 4	0345	16.30	27200	0.57
4- 4	1200	17.77	31000	0.82
4- 4	1945	18.94	34100	1.06
4- 4	2400	18.22	32200	1.19
4- 5	1200	15.35	24900	1.47
4- 5	2400	14.35	22600	1.73
4- 6	0900	13.85	21400	1.91
4- 6	2400	11.81	16700	2.14
4- 7	2400	7.96	7880	2.32
4- 8	2000	7.37	6630	2.44
4- 8	2400	7.67	7240	2.47
4- 9	0100	7.75	7420	2.47
4- 9	0900	8.57	9280	2.54
4- 9	2400	7.67	7240	2.64
4-10	2400	7.10	6110	2.78
4-11	2400	6.61	5250	2.90
4-12	1200	6.47	5010	2.95
4-12	1700	6.88	5710	2.98
4-12	2100	8.89	10000	3.02
4-12	2400	11.81	16700	3.07
4-13	0100	13.41	20400	3.08
4-13	0600	17.55	30400	3.23
4-13	1200	22.04	40100	3.45
4-13	1800	27.75	73600	3.86
4-13	2300	30.29	87500	4.27
4-13	2400	30.35	87800	4.35
4-14	0200	30.57	89100	4.52
4-14	0400	29.94	85600	4.68
4-14	1200	26.77	68200	5.19
4-14	2400	22.02	44000	5.68
4-15	0300	21.37	41500	5.80
4-15	0900	20.50	38800	6.02
4-15	2400	19.05	34400	6.50
4-16	1200	17.44	30100	6.83
4-16	1800	16.31	27200	6.99
4-16	2400	15.08	24300	7.12
4-17	0600	14.02	21800	7.24
4-17	1200	12.63	18600	7.35
4-17	1800	10.13	12900	7.42
4-17	2400	8.85	9920	7.48
4-18	2400	8.01	7990	7.66
4-19	0100	7.96	7880	7.66
4-19	2400	7.45	6790	7.81
4-20	2400	7.08	6070	7.94
4-21	0100	7.04	6000	7.95
4-21	2400	6.73	5450	8.07
4-22	2400	6.53	5110	8.18

TABLE 7.--*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02420000, Alabama River near Montgomery, Ala.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
2-28	2400	32.88	77700	.....	3- 9	2400	40.98	142000	.....
3- 1	0600	32.20	74600	.....	3-10	0600	40.38	138000	.....
3- 1	1200	32.02	72000	.....	3-10	1200	39.87	135000	.....
3- 1	1800	31.75	68700	.....	3-10	1800	39.40	132000	.....
3- 1	2400	31.41	66400	.....	3-10	2400	39.05	129000	.....
3- 2	0600	31.25	62400	.....	3-11	0600	38.65	126000	.....
3- 2	1200	31.10	60300	.....	3-11	1200	38.10	124000	.....
3- 2	1800	30.91	58100	.....	3-11	1800	37.60	120000	.....
3- 2	2400	30.74	59800	.....	3-11	2400	37.20	118000	.....
3- 3	0600	30.58	58600	.....	3-12	0600	36.91	117000	.....
3- 3	1200	30.40	60500	.....	3-12	1200	36.78	116000	.....
3- 3	1800	30.30	60600	.....	3-12	1800	36.60	115000	.....
3- 3	2400	31.90	71000	.....	3-12	2400	36.30	112000	.....
3- 4	0600	34.90	100000	.....	3-13	0600	35.92	110000	.....
3- 4	1200	38.20	127000	.....	3-13	1200	35.69	109000	.....
3- 4	1800	41.00	143000	.....	3-13	1800	35.48	108000	.....
3- 4	2400	43.70	160000	.....	3-13	2400	35.20	105000	.....
3- 5	0600	45.68	172000	.....	3-14	0600	.....	102000	.....
3- 5	1200	46.80	179000	.....	3-14	1200	.....	101000	.....
3- 5	1800	47.90	185000	.....	3-14	1800	.....	100000	.....
3- 5	2400	48.30	183000	.....	3-14	2400	.....	97300	.....
3- 6	0600	48.40	181000	.....	3-15	0600	.....	94100	.....
3- 6	1200	48.40	179000	.....	3-15	1200	.....	94100	.....
3- 6	1800	48.10	176000	.....	3-15	1800	.....	89900	.....
3- 6	2400	47.83	174000	.....	3-15	2400	.....	86200	.....
3- 7	0600	47.28	171000	.....	3-16	0600	.....	84300	.....
3- 7	1200	46.60	169000	.....	3-16	1200	.....	79700	.....
3- 7	1800	45.97	167000	.....	3-16	1800	.....	75600	.....
3- 7	2400	45.28	163000	.....	3-16	2400	.....	73000	.....
3- 8	0600	44.60	160000	.....	3-17	0600	.....	67300	.....
3- 8	1200	44.05	156000	.....	3-17	1200	.....	65600	.....
3- 8	1800	43.56	154000	.....	3-17	1800	.....	63000	.....
3- 8	2400	43.00	151000	.....	3-17	2400	.....	61600	.....
3- 9	0600	42.50	148000	.....	3-18	0600	.....	58000	.....
3- 9	1200	41.90	146000	.....	3-18	1200	.....	53700	.....
3- 9	1800	41.50	144000	.....	3-18	1800	.....	53400	.....

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02420000, Alabama River near Montgomery, Ala.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
3-18	2400	.....	52100	.....	3-27	1800	.....	29000	.....
					3-27	2400	.....	28500	.....
3-19	0600	.....	51600	.....					
3-19	1200	.....	50300	.....	3-28	0600	.....	34500	.....
3-19	1800	.....	49400	.....	3-28	1200	.....	29500	.....
3-19	2400	.....	47200	.....	3-28	1800	.....	27700	.....
					3-28	2400	.....	36000	.....
3-20	0600	.....	45400	.....					
3-20	1200	.....	45200	.....	3-29	0600	.....	32800	.....
3-20	1800	.....	45500	.....	3-29	1200	.....	31400	.....
3-20	2400	.....	47400	.....	3-29	1800	.....	28400	.....
					3-29	2400	.....	26800	.....
3-21	0600	.....	40800	.....					
3-21	1200	.....	39200	.....	3-30	0600	.....	33200	.....
3-21	1800	.....	41400	.....	3-30	1200	.....	28800	.....
3-21	2400	.....	40200	.....	3-30	1800	.....	29700	.....
					3-30	2400	.....	28600	.....
3-22	0600	.....	40200	.....					
3-22	1200	.....	42400	.....	3-31	0600	.....	21800	.....
3-22	1800	.....	45400	.....	3-31	1200	.....	27500	.....
3-22	2400	.....	45800	.....	3-31	1800	.....	22400	.....
					3-31	2400	.....	18500	.....
3-23	0600	.....	46900	.....					
3-23	1200	.....	49400	.....	4- 1	0600	.....	16800	.....
3-23	1800	.....	51900	.....	4- 1	1200	.....	18500	.....
3-23	2400	.....	52600	.....	4- 1	1800	.....	16800	.....
					4- 1	2400	.....	17300	.....
3-24	0600	.....	52200	.....					
3-24	1200	.....	51000	.....	4- 2	0600	.....	16600	.....
3-24	1800	.....	50000	.....	4- 2	1200	.....	16600	.....
3-24	2400	.....	46200	.....	4- 2	1800	.....	17200	.....
					4- 2	2400	.....	23300	.....
3-25	0600	.....	43700	.....					
3-25	1200	.....	40400	.....	4- 3	0600	.....	43600	.....
3-25	1800	.....	41400	.....	4- 3	1200	.....	80800	.....
3-25	2400	.....	39100	.....	4- 3	1800	.....	105000	.....
					4- 3	2400	36.50	121000	.....
3-26	0600	.....	38300	.....					
3-26	1200	.....	32000	.....	4- 4	0600	38.10	118000	.....
3-26	1800	.....	29100	.....	4- 4	1200	39.70	118000	.....
3-26	2400	.....	35400	.....	4- 4	1800	40.95	119000	.....
					4- 4	2400	42.05	121000	.....
3-27	0600	.....	33200	.....					
3-27	1200	.....	32100	.....	4- 5	0600	42.55	125000	.....

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02420000, Alabama River near Montgomery, Ala.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
4- 5	1200	43.02	128000	.....	4-14	0600	45.30	183000	.....
4- 5	1800	43.32	126000	.....	4-14	1200	48.10	210000	.....
4- 5	2400	43.35	126000	.....	4-14	1800	50.00	229000	.....
					4-14	2400	51.70	245000	.....
4- 6	0600	43.30	126000	.....					
4- 6	1200	43.25	131000	.....	4-15	0600	52.63	254000	.....
4- 6	1800	42.82	142000	.....	4-15	1200	53.37	258000	.....
4- 6	2400	42.46	144000	.....	4-15	1800	53.87	260000	.....
					4-15	2400	54.20	259000	.....
4- 7	0600	42.42	142000	.....					
4- 7	1200	41.45	140000	.....	4-16	0600	54.40	258000	.....
4- 7	1800	41.05	140000	.....	4-16	1200	54.50	254000	.....
4- 7	2400	40.38	140000	.....	4-16	1800	54.41	250000	.....
					4-16	2400	54.22	241000	.....
4- 8	0600	39.75	135000	.....					
4- 8	1200	39.15	130000	.....	4-17	0600	53.82	236000	.....
4- 8	1800	38.52	126000	.....	4-17	1200	53.36	229000	.....
4- 8	2400	37.87	123000	.....	4-17	1800	52.92	221000	.....
					4-17	2400	52.29	212000	.....
4- 9	0600	37.20	120000	.....					
4- 9	1200	36.69	116000	.....	4-18	0600	51.70	204000	.....
4- 9	1800	36.00	112000	.....	4-18	1200	51.00	197000	.....
4- 9	2400	35.52	108000	.....	4-18	1800	50.00	189000	.....
					4-18	2400	48.99	180000	.....
4-10	0600	34.90	104000	.....					
4-10	1200	34.40	99400	.....	4-19	0600	48.00	170000	.....
4-10	1800	33.89	96100	.....	4-19	1200	47.08	163000	.....
4-10	2400	33.30	92300	.....	4-19	1800	46.02	158000	.....
					4-19	2400	45.10	151000	.....
4-11	0600	32.82	86700	.....					
4-11	1200	32.48	83300	.....	4-20	0600	43.80	143000	.....
4-11	1800	32.10	80600	.....	4-20	1200	42.75	138000	.....
4-11	2400	32.72	77700	.....	4-20	1800	41.60	133000	.....
					4-20	2400	40.40	128000	.....
4-12	0600	32.38	75000	.....					
4-12	1200	31.00	68800	.....	4-21	0600	39.50	125000	.....
4-12	1800	30.92	69400	.....	4-21	1200	38.26	124000	.....
4-12	2400	32.10	83000	.....	4-21	1800	37.30	116000	.....
					4-21	2400	36.20	112000	.....
4-13	0600	34.60	108000	.....					
4-13	1200	36.90	128000	.....					
4-13	1800	39.40	142000	.....					
4-13	2400	42.00	159000	.....					

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02422500, Mulberry Creek at Jones, Ala.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
3- 2	2400	3.35	352	0.00	4-11	2400	3.66	920	0.00
3- 3	1100	3.41	374	0.03	4-12	1100	3.63	902	0.07
3- 3	1400	3.59	446	0.04	4-12	1600	3.76	980	0.11
3- 3	1600	3.97	625	0.05	4-12	1800	3.96	1100	0.13
3- 3	1800	5.48	1510	0.07	4-12	1900	4.29	1200	0.14
3- 3	2000	7.26	2640	0.11	4-12	2100	10.53	5070	0.21
3- 3	2100	8.53	3640	0.14	4-12	2300	13.66	7260	0.32
3- 3	2200	10.63	5140	0.18	4-12	2400	14.70	8060	0.38
3- 3	2400	15.45	8660	0.31					
					4-13	0400	16.83	9850	0.67
3- 4	0400	19.90	13100	0.70	4-13	1200	17.49	10500	1.30
3- 4	1100	20.92	14200	1.44	4-13	1700	20.23	13500	1.80
3- 4	1800	22.37	16000	2.27	4-13	2400	23.99	18500	2.77
3- 4	2000	22.06	15600	2.50					
3- 4	2400	18.94	12000	2.86	4-14	0500	25.26	20900	3.55
					4-14	1500	12.03	6128	4.00
3- 5	0100	17.74	10700	2.94	4-14	1900	8.84	4000	4.12
3- 5	0500	11.73	5910	3.12	4-14	2400	7.07	2920	4.23
3- 5	0900	8.36	3640	3.23					
3- 5	1200	6.90	2980	3.29	4-15	0100	6.86	2770	4.25
3- 5	1700	5.86	2000	3.37	4-15	0800	5.99	2160	4.36
3- 5	2400	5.27	1890	3.47	4-15	2400	5.07	1610	4.55
3- 6	0100	5.19	1788	3.48	4-16	0100	5.02	1580	4.57
3- 6	2100	4.34	1330	3.68	4-16	2400	4.36	1180	4.77
3- 6	2400	4.27	1290	3.71					
					4-17	0100	4.34	1170	4.78
3- 7	0100	4.26	1280	3.72	4-17	2400	3.99	962	4.94
3- 7	2000	3.97	1110	3.87					
3- 7	2400	3.94	1090	3.98	4-18	0100	3.97	950	4.95
					4-18	2400	3.72	800	5.09
3- 8	0100	3.92	1080	3.91					
3- 8	2400	3.65	914	4.07	4-19	0200	3.71	794	5.10
					4-19	2400	3.53	695	5.21
3- 9	0100	3.64	908	4.08					
3- 9	2400	3.43	782	4.21					

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02423425, Cahaba River near Cahaba Heights, Ala.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
4-10	2400	2.41	516	0.00	4-14	2230	12.27	4430	6.95
					4-14	2400	11.19	4060	6.99
4-11	0600	2.42	523	.02					
4-11	1200	2.36	470	.05	4-15	0600	7.29	3060	7.16
4-11	1800	2.33	439	.07	4-15	1015	4.80	2550	7.25
4-11	2400	2.32	433	.09	4-15	1100	4.36	2200	7.26
					4-15	1130	4.12	1910	7.27
4-12	0700	2.33	439	.11	4-15	1145	4.06	1830	7.27
4-12	0900	2.58	791	.11	4-15	1200	2.93	1690	7.28
4-12	1100	3.45	1630	.14	4-15	1245	3.91	1660	7.29
4-12	1300	4.38	2360	.18	4-15	1330	3.82	1560	7.30
4-12	1500	8.00	3230	.23	4-15	1530	3.79	1530	7.32
4-12	1700	13.86	5080	.30	4-15	1545	3.58	1310	7.32
4-12	1900	17.25	7960	.43	4-15	1600	3.71	1450	7.32
4-12	2100	18.80	9580	.57	4-15	1615	3.73	1470	7.33
4-12	2300	20.05	11000	.74	4-15	1700	3.65	1390	7.34
4-12	2400	20.67	11800	.83	4-15	1745	3.62	1350	7.34
					4-15	1800	3.58	1310	7.35
4-13	0200	21.65	13100	1.04	4-15	1815	3.62	1350	7.35
4-13	0400	22.74	14500	1.26	4-15	1830	3.49	1230	7.35
4-13	0600	23.58	15600	1.50	4-15	1915	3.51	1250	7.36
4-13	0800	24.45	16800	1.76	4-15	1930	3.46	1200	7.36
4-13	1000	26.00	19000	2.05	4-15	1945	3.46	1200	7.36
4-13	1200	27.31	21000	2.38	4-15	2000	3.55	1290	7.36
4-13	1400	28.00	22000	2.72	4-15	2100	3.49	1230	7.37
4-13	1600	28.31	22500	3.06	4-15	2115	3.84	1590	7.38
4-13	1800	28.67	23100	3.42	4-15	2200	3.88	1630	7.39
4-13	2000	28.85	23400	3.78	4-15	2215	3.83	1580	7.39
4-13	2100	28.86	23500	3.96	4-15	2230	3.85	1600	7.39
4-13	2200	28.84	63400	4.14	4-15	2245	3.80	1540	7.40
4-13	2400	28.73	23200	4.50	4-15	2400	3.78	1520	7.41
4-14	0100	28.39	22700	4.76	4-16	0015	3.82	1560	7.41
4-14	0200	28.43	22800	4.94	4-16	0145	3.74	1480	7.43
4-14	0300	28.00	22200	5.11	4-16	0345	3.70	1440	7.45
4-14	0630	26.47	19900	5.68	4-16	0530	3.66	1400	7.47
4-14	1100	22.21	13800	6.25	4-16	1030	3.50	1240	7.52
4-14	1115	22.09	13600	6.28	4-16	1115	3.49	1230	7.53
4-14	1200	20.99	12100	6.35	4-16	1315	3.43	1170	7.55
4-14	1445	18.39	9090	6.57	4-16	1445	3.43	1170	7.56
4-14	1715	16.37	7070	6.73	4-16	1730	3.35	1100	7.59
4-14	1800	15.85	6550	6.77	4-16	2000	3.34	1090	7.61
4-14	1930	14.55	5450	6.83	4-16	2215	3.28	1030	7.63
					4-16	2330	3.23	990	7.64

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02423425, Cahaba River near Cahaba Heights, Ala.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
4-16	2400	3.27	1030	7.64	4-19	0745	2.48	437	7.93
					4-19	0815	2.48	437	7.93
4-17	0045	3.25	1010	7.65	4-19	0845	2.43	405	7.93
4-17	0100	3.26	1020	7.65	4-19	1215	2.41	392	7.94
4-17	0430	3.20	963	7.67	4-19	1530	2.38	374	7.95
4-17	1015	3.08	865	7.72	4-19	1630	2.40	386	7.96
4-17	1200	3.08	865	7.73	4-19	2130	2.37	368	7.97
4-17	1245	3.04	833	7.73	4-19	2200	2.38	374	7.97
4-17	1300	3.07	857	7.73	4-19	2215	2.36	362	7.97
4-17	1400	3.03	824	7.74	4-19	2400	2.36	362	7.98
4-17	2400	2.92	738	7.80					
					4-20	0430	2.37	368	7.99
4-18	0015	2.92	738	7.80	4-20	0530	2.41	392	7.99
4-18	0100	2.89	715	7.81	4-20	0745	2.42	399	8.00
4-18	0115	2.85	685	7.81	4-20	0800	2.39	380	8.00
4-18	0130	2.86	692	7.81	4-20	0900	2.38	374	8.00
4-18	0230	2.81	655	7.81	4-20	0915	2.34	351	8.00
4-18	0415	2.78	634	7.82	4-20	1045	2.34	351	8.01
4-18	0445	2.79	641	7.82	4-20	1115	2.32	339	8.01
4-18	0845	2.75	613	7.84	4-20	1145	2.32	339	8.01
4-18	0900	2.72	592	7.85	4-20	1215	2.30	327	8.01
4-18	1045	2.71	585	7.85	4-20	1500	2.30	327	8.02
4-18	1115	2.69	571	7.86	4-20	1715	2.29	322	8.02
4-18	1130	2.71	585	7.86	4-20	2015	2.27	311	8.03
4-18	1430	2.67	558	7.87	4-20	2400	2.27	311	8.04
4-18	1545	2.66	552	7.87					
4-18	1600	2.60	512	7.88	4-21	0245	2.27	311	8.05
4-18	1800	2.51	456	7.88	4-21	0345	2.29	322	8.05
4-18	1930	2.48	437	7.89	4-21	0900	2.29	322	8.06
4-18	2000	2.49	444	7.89	4-21	0915	2.28	316	8.06
4-18	2045	2.47	431	7.89	4-21	1045	2.26	305	8.07
4-18	2400	2.46	424	7.90	4-21	1115	2.24	295	8.07
					4-21	1415	2.23	289	8.08
4-19	0115	2.45	418	7.91	4-21	1445	2.21	278	8.08
4-19	0145	2.47	431	7.91	4-21	2345	2.21	278	8.10
4-19	0300	2.48	437	7.91	4-21	2400	2.22	284	8.10
4-19	0315	2.46	424	7.91					
4-19	0400	2.48	437	7.92	4-22	0500	2.24	295	8.11
4-19	0500	2.47	431	7.92	4-22	0745	2.26	305	8.11
4-19	0515	2.49	444	7.92	4-22	0845	2.26	305	8.12
4-19	0530	2.48	437	7.92	4-22	0900	2.23	289	8.12
4-19	0600	2.50	450	7.92	4-22	0930	2.23	289	8.12
4-19	0700	2.50	450	7.93	4-22	1030	2.19	268	8.12

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02423425, Cahaba River near Cahaba Heights, Ala.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
4-22	1200	2.19	268	8.12	4-24	2200	2.18	263	8.24
4-22	1215	2.16	254	8.12	4-24	2330	2.20	273	8.24
4-22	1615	2.17	259	8.13	4-24	2400	2.21	278	8.24
4-22	1745	2.20	273	8.13					
4-22	1945	2.21	278	8.14	4-25	0130	2.22	284	8.24
4-22	2000	2.23	289	8.14	4-25	0445	2.26	305	8.25
4-22	2400	2.22	284	8.15	4-25	0600	2.31	222	8.25
					4-25	0745	2.32	339	8.26
4-23	0145	2.22	284	8.15	4-25	1000	2.33	345	8.26
4-23	0215	2.20	273	8.15	4-25	1015	2.36	362	8.27
4-23	0500	2.19	268	8.16	4-25	1115	2.36	362	8.27
4-23	0545	2.23	289	8.16	4-25	1230	2.39	380	8.27
4-23	0730	2.23	289	8.16	4-25	1415	2.45	418	8.28
4-23	0800	2.22	284	8.16	4-25	1700	2.61	519	8.29
4-23	0900	2.19	268	8.17	4-25	1830	2.76	620	8.29
4-23	0930	2.19	268	8.17	4-25	1930	2.92	738	8.30
4-23	0945	2.16	254	8.17	4-25	1945	2.93	745	8.30
4-23	1215	2.14	244	8.17	4-25	2015	3.05	841	8.30
4-23	1715	2.12	235	8.18	4-25	2145	3.36	1110	8.32
4-23	1730	2.13	239	8.18	4-25	2300	3.66	1400	8.33
4-23	1830	2.12	235	8.18	4-25	2400	3.94	1700	8.34
4-23	1845	2.13	239	8.19					
4-23	2200	2.11	230	8.19	4-26	0045	4.14	1930	8.35
4-23	2315	2.12	235	8.19	4-26	0100	4.25	2060	8.35
4-23	2400	2.13	239	8.19	4-26	0145	4.35	2190	8.37
					4-26	0345	5.06	2630	8.40
4-24	0745	2.13	239	8.21	4-26	1000	6.87	2970	8.54
4-24	0900	2.11	230	8.21	4-26	1715	6.50	2910	8.71
4-24	1230	2.12	235	8.22	4-26	1745	6.68	2940	8.72
4-24	1330	2.13	239	8.22	4-26	1800	6.05	2830	8.72
4-24	1445	2.18	263	8.22	4-26	1815	6.84	2960	8.73
4-24	2045	2.17	259	8.23	4-26	2015	8.47	3330	8.78
4-24	2130	2.16	254	8.24	4-26	2100	8.54	3340	8.80
					4-26	2400	8.06	3230	8.87

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02424000, Cahaba River at Centreville, Ala.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
4-10	2400	7.38	2730	.00	4-16	0600	24.47	17900	6.15
					4-16	1200	21.65	11000	6.25
4-11	0600	7.17	2600	.02	4-16	1800	18.13	8040	6.32
4-11	1200	6.98	2490	.05	4-16	2400	14.99	6430	6.38
4-11	1800	6.81	2400	.07					
4-11	2400	6.66	2310	.09	4-17	0600	12.94	5860	6.43
					4-17	1200	11.85	5460	6.48
4-12	0600	6.55	2250	.11	4-17	1800	11.18	5060	6.53
4-12	0800	6.51	2230	.12	4-17	2400	10.66	4760	6.57
4-12	1200	7.62	3420	.14					
4-12	1400	9.90	6350	.16	4-18	0600	10.26	4490	6.61
4-12	1600	13.58	11100	.19	4-18	1200	9.93	4400	6.65
4-12	1800	17.58	17000	.24	4-18	1800	9.62	4180	6.69
4-12	2000	22.26	24500	.31	4-18	2400	9.31	3970	6.73
4-12	2200	25.78	29800	.40					
4-12	2400	28.01	33800	.51	4-19	1200	8.69	3550	6.79
					4-19	2400	8.17	3210	6.85
4-13	0400	30.38	42700	.76					
4-13	0800	31.41	48300	1.05	4-20	1200	7.86	3020	6.90
4-13	1200	32.96	57900	1.40	4-20	2400	7.63	2880	6.96
4-13	1600	34.11	68100	1.81					
4-13	2000	34.82	75800	2.27	4-21	1200	7.34	2700	7.00
4-13	2300	35.03	78400	2.62	4-21	2400	7.11	2570	7.05
4-13	2400	35.03	78400	2.74					
					4-22	1200	6.98	2490	7.10
4-14	0200	34.84	76100	2.97	4-22	2400	6.88	2430	7.14
4-14	0600	34.46	71600	3.40					
4-14	1200	33.31	60700	3.95					
4-14	1800	31.77	50400	4.41					
4-14	2400	30.70	44300	4.81					
4-15	0600	29.84	40000	5.17					
4-15	1200	28.90	35400	5.49					
4-15	1800	27.77	30900	5.77					
4-15	2400	26.36	24700	5.99					

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02425000, Cahaba River near Marion Jct., Ala.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
4-10	2400	15.59	8770	0.00	4-16	0100	40.77	69500	2.97
					4-16	2400	39.05	48900	3.96
4-11	0100	15.47	8690	0.01					
4-11	2400	12.31	6470	0.14	4-17	0100	38.96	47800	4.00
					4-17	2400	37.24	35200	4.71
4-12	1300	11.66	6070	0.21					
4-12	1800	11.88	6220	0.23	4-18	0100	37.15	34900	4.74
4-12	2100	15.94	9360	0.26	4-18	2400	33.81	27600	5.38
4-12	2400	19.36	12000	0.29					
					4-19	0100	33.60	27300	5.32
4-13	2400	27.44	19500	0.70	4-19	2400	28.16	20300	5.73
4-14	1800	35.91	31000	1.19	4-20	0100	27.89	20000	5.75
4-14	2200	38.01	39200	1.33	4-20	2400	22.48	14500	6.04
4-14	2400	38.97	47900	1.41					
					4-21	0100	22.30	14300	6.05
4-15	0600	40.64	68000	1.77	4-21	2400	18.60	11400	6.28
4-15	1400	41.13	73900	2.29					
4-15	1800	41.08	73300	2.54					
4-15	2400	40.82	70100	2.91					

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02429500, Alabama River at Claiborne, Ala.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
2-28	2400	41.60	118000	0.00	3-14	0600	48.30	169000	3.49
					3-14	1200	48.00	165000	3.56
3- 1	0600	41.70	118000	.05	3-14	1800	47.70	162000	3.63
3- 1	1200	41.73	117000	.10	3-14	2400	47.40	156000	3.70
3- 1	1800	41.70	116000	.15					
3- 1	2400	41.62	114000	.20	3-15	0600	47.00	152000	3.76
					3-15	1200	46.65	150000	3.82
3- 2	0600	41.50	111000	.24	3-15	1800	46.20	144000	3.88
3- 2	1200	41.25	109000	.29	3-15	2400	45.85	141000	3.94
3- 2	1800	40.90	103000	.33					
3- 2	2400	40.45	101000	.38	3-16	0600	45.40	137000	4.00
					3-16	1200	44.98	131000	4.06
3- 3	0600	40.00	96300	.42	3-16	1800	44.50	127000	4.11
3- 3	1200	39.33	93300	.46	3-16	2400	44.00	123000	4.16
3- 3	1800	39.20	102000	.50					
3- 3	2400	39.50	115000	.55	3-17	0600	43.46	119000	4.21
					3-17	1200	42.95	114000	4.26
3- 4	0600	40.16	119000	.60	3-17	1800	42.40	110000	4.31
3- 4	1200	40.80	125000	.65	3-17	2400	41.85	106000	4.35
3- 4	1800	41.52	128000	.70					
3- 4	2400	42.20	132000	.76	3-18	0600	41.20	103000	4.40
					3-18	1200	40.55	98200	4.44
3- 5	0600	42.70	134000	.82	3-18	1800	39.80	93300	4.48
3- 5	1200	43.20	138000	.88	3-18	2400	39.00	91800	4.52
3- 5	1800	43.70	142000	.94					
3- 5	2400	44.20	145000	1.00	3-19	0600	38.30	87700	4.55
					3-19	1200	37.45	82000	4.59
3- 6	0600	44.62	148000	1.06	3-19	1800	36.62	77500	4.62
3- 6	1200	45.02	150000	1.12	3-19	2400	35.74	75500	4.65
3- 6	1800	45.40	154000	1.19					
3- 6	2400	45.75	158000	1.25	3-20	0600	34.90	71900	4.68
					3-20	1200	34.15	68900	4.71
3- 7	0600	46.10	162000	1.32	3-20	1800	33.50	67100	4.74
3- 7	1200	46.40	165000	1.39	3-20	2400	32.92	64800	4.77
3- 7	1800	46.70	168000	1.46					
3- 7	2400	46.95	171000	1.54	3-21	0600	32.20	61300	4.79
					3-21	1200	31.35	56900	4.82
3- 8	0600	47.18	173000	1.61	3-21	1800	30.20	51700	4.84
3- 8	1200	47.45	175000	1.68	3-21	2400	29.18	50800	4.86
3- 8	1800	47.65	175000	1.76					
3- 8	2400	47.89	176000	1.83	3-22	0600	28.65	51400	4.88
					3-22	1200	28.28	51800	4.90
3- 9	0600	48.10	180000	1.91	3-22	1800	27.95	50800	4.93
3- 9	1200	48.30	183000	1.98	3-22	2400	27.82	53000	4.95
3- 9	1800	48.50	185000	2.06					
3- 9	2400	48.70	188000	2.14	3-23	0600	28.05	56500	4.97
					3-23	1200	28.65	62600	5.00
3-10	0600	48.85	190000	2.22	3-23	1800	29.25	65000	5.03
3-10	1200	49.00	192000	2.30	3-23	2400	29.90	66500	5.05
3-10	1800	49.25	197000	2.39					
3-10	2400	49.36	196000	2.47	3-24	0600	30.54	67900	5.08
					3-24	1200	30.85	69800	5.11
3-11	0600	49.48	196000	2.55	3-24	1800	31.25	71000	5.14
3-11	1200	49.57	197000	2.64	3-24	2400	31.72	71700	5.17
3-11	1800	49.58	195000	2.72					
3-11	2400	49.60	193000	2.80	3-25	0600	31.95	71300	5.20
					3-25	1200	32.10	70600	5.23
3-12	0600	49.58	191000	2.88	3-25	1800	32.20	69700	5.26
3-12	1200	49.55	191000	2.96	3-25	2400	31.95	65800	5.29
3-12	1800	49.50	188000	3.04					
3-12	2400	49.37	185000	3.12	3-26	0600	31.95	62400	5.32
					3-26	1200	31.52	61500	5.34
3-13	0600	49.20	183000	3.20	3-26	1800	31.00	56900	5.37
3-13	1200	49.00	180000	3.27	3-26	2400	30.02	53600	5.39
3-13	1800	48.80	176000	3.35					
3-13	2400	48.55	172000	3.42					

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02429500, Alabama River at Claiborne, Ala.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
3-27	0600	29.18	50300	5.41	4- 9	0600	47.45	171000	7.30
3-27	1200	28.25	47400	5.43	4- 9	1200	47.62	173000	7.37
3-27	1800	27.63	45600	5.45	4- 9	1800	47.75	175000	7.45
3-27	2400	26.88	43400	5.47	4- 9	2400	47.85	176000	7.52
3-28	0600	26.60	46600	5.49	4-10	0600	47.90	176000	7.60
3-28	1200	26.38	45400	5.51	4-10	1200	47.95	173000	7.67
3-28	1800	25.75	40800	5.52	4-10	1800	47.95	172000	7.74
3-28	2400	24.80	36900	5.54	4-10	2400	47.90	171000	7.81
3-29	0600	24.25	35500	5.55	4-11	0600	47.85	171000	7.89
3-29	1200	23.60	37800	5.57	4-11	1200	47.72	168000	7.96
3-29	1800	23.37	38400	5.59	4-11	1800	47.55	166000	8.03
3-29	2400	23.45	47300	5.61	4-11	2400	47.40	162000	8.10
3-30	0600	23.75	41100	5.62	4-12	0600	47.15	158000	8.16
3-30	1200	23.88	41900	5.64	4-12	1200	46.80	153000	8.23
3-30	1800	24.25	43400	5.66	4-12	1800	46.50	150000	8.29
3-30	2400	24.35	42500	5.68	4-12	2400	46.15	147000	8.35
3-31	0600	24.40	42600	5.70	4-13	0600	45.75	141000	8.41
3-31	1200	24.43	42300	5.71	4-13	1200	45.30	137000	8.47
3-31	1800	24.43	42300	5.73	4-13	1800	44.90	132000	8.53
3-31	2400	24.22	38300	5.75	4-13	2400	44.45	128000	8.58
4- 1	0600	23.75	34600	5.76	4-14	0600	44.05	126000	8.63
4- 1	1200	22.95	32600	5.78	4-14	1200	43.70	125000	8.69
4- 1	1800	22.05	31900	5.79	4-14	1800	43.50	125000	8.74
4- 1	2400	21.25	29900	5.80	4-14	2400	43.35	126000	8.79
4- 2	0600	20.72	29300	5.81	4-15	0600	43.30	128000	8.85
4- 2	1200	20.42	29800	5.83	4-15	1200	43.32	130000	8.90
4- 2	1800	20.15	29700	5.84	4-15	1800	43.40	132000	8.96
4- 2	2400	20.90	42700	5.86	4-15	2400	43.55	133000	9.01
4- 3	0600	c	60000	5.88	4-16	0600	43.75	136000	9.07
4- 3	1200	c	73000	5.91	4-16	1200	44.00	139000	9.13
4- 3	1800	c	84000	5.95	4-16	1800	44.25	142000	9.19
4- 3	2400	c	96000	5.99	4-16	2400	44.50	144000	9.25
4- 4	0600	c	103000	6.03	4-17	0600	44.83	149000	9.31
4- 4	1200	c	110000	6.08	4-17	1200	45.20	152000	9.38
4- 4	1800	c	118000	6.13	4-17	1800	45.55	157000	9.44
4- 4	2400	c	125000	6.18	4-17	2400	45.94	162000	9.51
4- 5	0600	42.00	131000	6.24	4-18	0600	46.30	167000	9.58
4- 5	1200	42.60	136000	6.30	4-18	1200	46.75	172000	9.66
4- 5	1800	43.20	140000	6.35	4-18	1800	47.25	177000	9.73
4- 5	2400	43.75	145000	6.42	4-18	2400	47.65	182000	9.81
4- 6	0600	44.25	147000	6.48	4-19	0600	48.05	185000	9.89
4- 6	1200	44.75	151000	6.54	4-19	1200	48.45	190000	9.97
4- 6	1800	45.10	153000	6.61	4-19	1800	48.80	195000	10.05
4- 6	2400	45.40	154000	6.67	4-19	2400	49.10	198000	10.13
4- 7	0600	45.70	158000	6.74	4-20	0600	49.45	201000	10.22
4- 7	1200	46.00	161000	6.81	4-20	1200	49.75	205000	10.30
4- 7	1800	46.25	162000	6.87	4-20	1800	50.00	208000	10.39
4- 7	2400	46.45	164000	6.94	4-20	2400	50.25	209000	10.48
4- 8	0600	46.67	166000	7.01	4-21	0600	50.50	212000	10.57
4- 8	1200	46.85	166000	7.08					
4- 8	1800	47.10	169000	7.16					
4- 8	2400	47.30	170000	7.23					

c - no gage height record

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02429500, Alabama River at Claiborne, Ala.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
4-21	1200	50.68	212000	10.66	4-26	0600	47.80	155000	12.25
4-21	1800	50.85	214000	10.75	4-26	1200	47.24	149000	12.32
4-21	2400	51.00	216000	10.84	4-26	1800	46.56	143000	12.38
					4-26	2400	45.95	137000	12.43
4-22	0600	51.13	216000	10.93					
4-22	1200	51.24	217000	11.02	4-27	0600	45.35	132000	12.49
4-22	1800	51.28	216000	11.11	4-27	1200	44.80	127000	12.54
4-22	2400	51.29	214000	11.20	4-27	1800	44.30	126000	12.60
					4-27	2400	43.88	125000	12.65
4-23	0600	51.29	214000	11.30					
4-23	1200	51.25	213000	11.39	4-28	0600	43.55	124000	12.70
4-23	1800	51.18	210000	11.47	4-28	1200	43.30	123000	12.75
4-23	2400	51.07	207000	11.56	4-28	1800	43.15	123000	12.81
					4-28	2400	43.05	124000	12.86
4-24	0600	50.92	205000	11.65					
4-24	1200	50.71	200000	11.73	4-29	0600	42.95	124000	12.91
4-24	1800	50.45	195000	11.82	4-29	1200	42.93	126000	12.96
4-24	2400	50.15	190000	11.90	4-29	1800	42.93	126000	13.02
					4-29	2400	42.97	127000	13.07
4-25	0600	49.70	183000	11.97					
4-25	1200	49.35	175000	12.05	4-30	0600	43.00	127000	13.12
4-25	1800	48.85	169000	12.12	4-30	1200	43.05	128000	13.18
4-25	2400	48.35	162000	12.19	4-30	1800	43.10	128000	13.23
					4-30	2400	43.15	128000	13.29

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02439400, Buttahatchie River near Aberdeen, Miss.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
04-12	0100	11.30	2,630	0.00	04-15	2400	15.62	9,500	2.16
04-12	0600	12.91	3,920	0.03					
04-12	1200	14.08	5,790	0.08	04-16	1200	14.99	7,840	2.36
04-12	1800	14.09	5,810	0.15	04-16	2400	14.47	6,610	2.53
04-12	2400	14.97	7,780	0.23					
					04-17	2400	13.34	4,520	2.80
04-13	1200	16.01	10,600	0.45					
04-13	2400	17.13	14,900	0.75	04-18	2400	12.25	3,320	2.98
04-14	0600	17.51	16,700	0.94	04-19	2400	11.35	2,660	3.12
04-14	1200	17.70	17,700	1.14					
04-14	1400	17.74	17,900	1.21	04-20	2400	10.52	2,210	3.24
04-14	1800	17.71	17,700	1.35					
04-14	2400	17.48	16,600	1.55	04-21	2400	9.82	1,870	3.34
04-15	1200	16.53	12,500	1.90	04-22	2400	9.39	1,680	3.42

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02441000, Tibbee Creek near Tibbee, Miss.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
04-11	2400	12.17	2,960	0.00					
					04-15	1200	23.85	11,500	2.48
04-12	0130	12.01	2,900	0.00	04-15	2400	23.10	9,270	2.67
04-12	0300	13.47	3,430	0.01					
04-12	0600	17.93	5,090	0.03	04-16	1200	22.27	7,800	2.83
04-12	0900	20.16	6,140	0.06	04-16	2400	20.93	6,560	2.97
04-12	1200	21.47	6,960	0.09					
04-12	1600	22.82	8,690	0.14	04-17	1200	18.99	5,570	3.09
04-12	2000	23.74	11,100	0.20	04-17	2400	16.57	4,550	3.18
04-12	2400	24.66	14,500	0.28					
					04-18	1200	13.82	3,560	3.26
04-13	0300	25.58	19,000	0.36	04-18	2400	10.70	2,420	3.31
04-13	0600	26.51	24,600	0.46					
04-13	1200	27.29	30,300	0.72	04-19	1200	8.33	1,570	3.35
04-13	1800	27.51	32,100	1.02	04-19	2400	6.45	964	3.38
04-13	2400	27.37	30,900	1.32					
					04-20	2400	4.99	566	3.41
04-14	0600	26.97	27,800	1.59					
04-14	1200	26.38	23,800	1.84	04-21	2400	4.61	477	3.42
04-14	2400	25.00	16,000	2.22					
					04-22	2400	4.36	422	3.44

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02441500, Tombigbee River at Columbus, Miss.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
04-11	0100	15.04	15,400	0.00					
04-11	1200	14.47	14,500	0.05	04-16	1200	33.43	64,100	2.33
04-11	2400	13.67	13,400	0.11	04-16	2400	32.68	59,200	2.58
04-12	0300	13.82	13,600	0.12	04-17	1200	31.88	57,200	2.82
04-12	0600	16.38	17,400	0.14	04-17	2400	30.82	52,800	3.05
04-12	0900	18.93	21,600	0.16					
04-12	1200	21.13	25,500	0.18	04-18	1200	29.51	47,800	3.26
04-12	1800	24.85	33,100	0.24	04-18	2400	27.98	42,800	3.45
04-12	2400	27.63	40,800	0.32					
					04-19	1200	26.08	37,800	3.61
04-13	0600	30.53	49,800	0.42	04-19	2400	23.83	32,600	3.76
04-13	1200	32.50	58,100	0.53					
04-13	1800	33.85	67,000	0.66	04-20	1200	21.30	27,300	3.88
04-13	2400	34.62	72,900	0.80	04-20	2400	18.72	22,500	3.99
04-14	0600	35.16	78,100	0.96	04-21	1200	16.25	18,200	4.07
04-14	1400	35.33	80,400	1.18	04-21	2400	13.89	14,500	4.14
04-14	1800	35.21	78,800	1.29					
04-14	2400	35.10	77,300	1.45	04-22	1200	11.26	10,800	4.19
					04-22	2400	9.22	8,090	4.23
04-15	1200	34.64	73,000	1.76					
04-15	2400	34.07	68,500	2.05	04-23	2400	7.79	6,250	4.29

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02443500, Luxapallila Creek near Columbus, Miss.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
04-11	2400	11.68	1,382	0.00					
					04-15	0600	29.87	30,700	4.13
04-12	0300	12.45	1,720	0.00	04-15	1200	28.80	26,800	4.50
04-12	0600	13.68	2,300	0.02	04-15	1800	27.47	22,300	4.81
04-12	0900	15.25	3,140	0.04	04-15	2400	26.11	18,100	5.07
04-12	1200	17.71	4,630	0.06					
04-12	1500	19.96	6,170	0.09	04-16	0600	24.65	13,900	5.28
04-12	1800	21.89	8,260	0.14	04-16	1200	23.28	10,700	5.44
04-12	2100	23.35	10,800	0.20	04-16	1800	21.94	8,320	5.56
04-12	2400	24.41	13,300	0.28	04-16	2400	20.74	6,930	5.65
04-13	0300	25.38	15,900	0.37	04-17	1200	19.02	5,510	5.81
04-13	0600	27.17	21,400	0.49	04-17	2400	17.75	4,660	5.94
04-13	0900	28.74	26,600	0.65					
04-13	1200	29.98	31,100	0.83	04-18	1200	16.57	3,920	6.05
04-13	1500	30.89	34,800	1.04	04-18	2400	15.40	3,230	6.15
04-13	1800	31.61	37,300	1.27					
04-13	2100	32.07	39,200	1.52	04-19	2400	13.44	2,180	6.28
04-13	2400	32.30	40,200	1.77					
					04-20	2400	12.43	1,710	6.38
04-14	0100	32.35	40,400	1.86					
04-14	0300	32.31	40,200	2.03	04-21	2400	11.92	1,483	6.47
04-14	0600	32.31	40,200	2.29					
04-14	1200	31.92	38,600	2.79	04-22	2400	11.59	1,340	6.54
04-14	1800	31.32	36,200	3.27					
04-14	2400	30.69	33,700	3.72	04-23	2400	11.36	1,250	6.60

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02446500, Sipsey River near Elrod, Ala.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
3-01	0200	13.88	3,210		3-16	0200	12.35	1,280	4.64
3-01	1700	14.06	3,680	0.17	3-16	2400	12.17	1,190	4.72
3-01	2400	14.20	4,100	0.25					
					3-17	0100	12.16	1,180	4.72
3-02	0600	14.23	4,190	0.33	3-17	2400	11.93	1,090	4.80
3-02	2200	14.09	3,770	0.52					
3-02	2400	14.06	3,680	0.54					
					3-18	0100	11.92	1,080	4.80
					3-18	2400	11.66	1,010	4.87
3-03	1200	14.10	3,800	0.67					
3-03	1800	14.41	4,730	0.75					
3-03	2400	14.99	7,250	0.86	3-19	0100	11.64	1,000	4.88
					3-19	2400	11.35	943	4.94
3-04	0800	15.46	9,600	1.07					
3-04	1000	15.48	9,700	1.13	3-20	0100	11.33	939	4.95
3-04	2400	15.21	8,350	1.51	3-20	2400	11.06	891	5.01
3-05	0100	15.19	8,250	1.53	3-21	0100	11.06	891	5.01
3-05	2200	14.93	6,950	2.00	3-21	2400	10.92	866	5.07
3-05	2400	14.92	6,900	2.04					
					3-22	0100	10.90	862	5.07
3-06	0100	14.92	6,900	2.06	3-22	2400	10.65	817	5.13
3-06	2000	14.71	5,850	2.42					
3-06	2400	14.81	6,350	2.49					
					3-23	2400	11.12	902	5.19
3-07	1000	15.06	7,600	2.70					
3-07	2400	14.86	6,600	3.01	3-24	1200	11.19	914	5.23
					3-24	2400	11.14	905	5.26
3-08	0100	14.85	6,550	3.03	3-25	0200	11.13	903	5.26
3-08	2400	14.40	4,700	3.40	3-25	2400	11.05	889	5.32
3-09	0100	14.38	4,640	3.41	3-26	2400	11.21	918	5.39
3-09	2400	14.04	3,620	3.70					
					3-27	2400	11.86	1,060	5.46
3-10	0100	14.03	3,590	3.71					
3-10	2400	13.77	2,990	3.93					
					3-28	2400	12.56	1,410	5.55
3-11	0100	13.76	2,970	3.94					
3-11	2400	13.51	2,510	4.13	3-29	2100	12.76	1,570	5.64
					3-29	2400	12.75	1,570	5.66
3-12	0100	13.49	2,470	4.13	3-30	0100	12.74	1,560	5.66
3-12	2400	13.20	2,030	4.29	3-30	2400	12.42	1,320	5.76
3-13	0100	13.19	2,020	4.29	3-31	0100	12.40	1,310	5.76
3-13	2400	12.89	1,690	4.42	3-31	2400	12.09	1,150	5.85
3-14	0100	12.87	1,670	4.43	4-01	0100	12.09	1,150	5.85
3-14	2400	12.59	1,430	4.53	4-01	2400	12.02	1,120	5.93
3-15	0100	12.58	1,430	4.54	4-02	2300	12.14	1,170	6.00
3-15	2400	12.36	1,290	4.63	4-02	2400	12.18	1,190	6.01

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02446500, Sipsey River near Elrod, Ala.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
4-03	2400	12.85	1,660	6.11
4-04	2400	13.06	1,870	6.24
4-05	0100	13.06	1,870	6.25
4-05	2400	12.83	1,640	6.36
4-06	2400	12.97	1,770	6.48
4-07	2400	13.21	2,040	6.62
4-08	2400	13.50	2,490	6.78
4-09	0800	13.54	2,560	6.85
4-09	2000	13.42	2,360	6.93
4-09	2400	13.36	2,270	6.96
4-10	0100	13.35	2,250	6.97
4-10	2400	13.02	1,820	7.11
4-11	0100	13.00	1,800	7.11
4-11	2400	12.62	1,460	7.22
4-12	0400	12.55	1,410	7.24
4-12	1000	13.30	2,170	7.27
4-12	1400	13.99	3,480	7.31
4-12	1700	14.95	7,050	7.36
4-12	2400	17.07	18,400	7.64
4-13	0800	17.85	23,100	8.16
4-13	0900	17.81	22,900	8.23
4-13	2400	17.32	19,900	9.18
4-14	0100	17.28	19,700	9.24
4-14	2400	16.86	17,200	10.48
4-15	1200	16.86	17,200	11.10
4-15	2300	16.59	15,500	11.63
4-15	2400	16.56	15,400	11.68
4-16	0100	16.52	15,100	11.72
4-16	2400	15.36	9,100	12.54
4-17	0100	15.31	8,850	12.57
4-17	2100	14.65	5,600	12.98
4-17	2400	14.59	5,360	13.03
4-18	0100	14.57	5,280	13.05
4-18	2400	14.17	4,010	13.36
4-19	0100	14.16	3,980	13.37
4-19	2400	13.85	3,150	13.62
4-20	0100	13.85	3,150	13.63
4-20	2400	13.55	2,580	13.82
4-21	0100	13.54	2,560	13.83
4-21	2400	13.24	2,090	13.99
4-22	0100	13.23	2,070	13.99
4-22	2400	12.91	1,710	14.12
4-23	0100	12.89	1,690	14.13
4-23	2400	12.56	1,410	14.23
4-24	0100	12.54	1,400	14.24
4-24	2400	12.34	1,270	14.33
4-25	0100	12.33	1,270	14.33
4-25	2400	12.15	1,180	14.42

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02448000, Noxubee River at Macon, Miss.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
04-01	2400	7.63	421	0.00	04-12	1800	31.22	25,700	1.42
					04-12	2000	32.81	39,600	1.55
04-02	0100	7.63	421	0.00	04-12	2200	34.23	55,400	1.73
04-02	0600	7.60	414	0.00	04-12	2400	35.57	72,400	1.97
04-02	2400	7.86	476	0.02					
					04-13	0200	36.45	84,800	2.28
04-03	0600	9.23	818	0.02	04-13	0400	37.12	94,800	2.62
04-03	1200	11.75	1,450	0.04	04-13	0600	37.65	103,000	3.00
04-03	1800	13.21	1,810	0.05	04-13	0800	38.06	109,000	3.40
04-03	2400	14.53	2,140	0.08	04-13	1000	38.36	114,000	3.83
					04-13	1200	38.61	118,000	4.27
04-04	0600	17.35	2,850	0.11	04-13	1500	38.85	122,000	4.96
04-04	1200	18.92	3,240	0.14	04-13	1800	38.95	124,000	5.66
04-04	2200	19.23	3,320	0.20	04-13	1900	38.97	125,000	5.90
04-04	2400	19.23	3,320	0.22	04-13	2100	38.90	123,000	6.37
					04-13	2400	38.71	120,000	7.07
04-05	1200	18.98	3,250	0.29					
04-05	1800	18.64	3,170	0.33	04-14	0600	38.06	109,000	8.38
04-05	2400	18.07	3,030	0.36	04-14	0900	37.58	102,000	8.98
					04-14	1200	37.00	93,000	9.54
04-06	1200	16.47	2,630	0.43	04-14	1800	36.00	78,000	10.52
04-06	2400	15.20	2,310	0.48	04-14	2400	34.97	64,600	11.34
04-07	1200	14.82	2,220	0.54	04-15	0600	33.96	52,100	12.01
04-07	2400	14.99	2,260	0.59	04-15	1200	32.98	41,300	12.54
					04-15	1800	31.99	31,400	12.96
04-08	0800	15.25	2,320	0.62	04-15	2400	31.04	24,300	13.28
04-08	1600	17.15	2,800	0.66					
04-08	2400	19.06	3,280	0.71	04-16	1200	29.39	15,400	13.73
					04-16	2400	28.08	10,700	14.03
04-09	0800	20.19	3,580	0.76					
04-09	1600	20.41	3,660	0.82	04-17	1200	27.16	8,890	14.25
04-09	2400	20.48	3,690	0.87	04-17	2400	26.50	7,760	14.44
04-10	1200	20.31	3,620	0.96	04-18	1200	25.94	7,150	14.61
04-10	1800	19.98	3,510	1.00	04-18	2400	25.37	6,630	14.77
04-10	2400	19.38	3,360	1.04					
					04-19	1200	24.54	5,930	14.92
04-11	1200	17.21	2,810	1.11	04-19	2400	23.27	5,040	15.04
04-11	2400	14.42	2,120	1.16					
					04-20	1200	21.30	4,040	15.15
04-12	0400	13.71	1,940	1.18	04-20	2400	17.36	2,850	15.22
04-12	0600	16.73	2,690	1.19					
04-12	0800	21.88	4,300	1.20	04-21	0800	13.91	1,990	15.26
04-12	1000	24.51	5,910	1.22	04-21	1600	11.24	1,320	15.29
04-12	1200	26.93	8,470	1.25	04-21	2400	9.95	998	15.30
04-12	1400	28.60	12,200	1.29					
04-12	1600	29.76	17,200	1.34	04-22	2400	8.93	742	15.34

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02448500, Noxubee River near Geiger, Ala.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF
2-28	2400	21.11	4,650	0.00
3-01	0600	21.72	4,950	0.04
3-01	1200	22.53	5,290	0.08
3-01	1800	23.15	5,500	0.13
3-01	2400	23.59	5,660	0.17
3-02	0600	23.88	5,760	0.22
3-02	1200	24.07	5,830	0.27
3-02	1800	24.18	5,870	0.32
3-02	2400	24.29	5,920	0.37
3-03	0600	25.01	6,200	0.42
3-03	1200	26.70	6,920	0.47
3-03	1800	30.28	8,800	0.54
3-03	2400	35.51	14,300	0.66
3-04	0600	37.48	18,200	0.81
3-04	1200	37.78	19,000	0.96
3-04	1800	37.84	19,100	1.12
3-04	2400	38.08	19,800	1.28
3-05	0400	38.24	20,300	1.39
3-05	0800	38.35	20,700	1.50
3-05	1100	38.39	20,900	1.59
3-05	1600	38.37	20,800	1.73
3-05	2000	38.29	20,500	1.84
3-05	2400	38.21	20,200	1.95
3-06	0600	38.12	19,900	2.11
3-06	1200	38.07	19,700	2.28
3-06	1800	38.03	19,600	2.44
3-06	2400	37.95	19,400	2.59
3-07	0600	37.81	19,000	2.75
3-07	1200	37.58	18,500	2.90
3-07	1800	37.30	17,800	3.04
3-07	2400	36.99	17,000	3.18
3-08	0600	36.67	16,400	3.32
3-08	1200	36.34	15,700	3.44
3-08	1800	36.04	15,200	3.57
3-08	2400	35.74	14,700	3.69
3-09	0600	35.44	14,200	3.80
3-09	1200	35.13	13,700	3.92
3-09	1800	34.80	13,200	4.02
3-09	2400	34.44	12,800	4.13
3-10	0600	34.06	12,300	4.23
3-10	1200	33.65	11,800	4.32
3-10	1800	33.24	11,400	4.42
3-10	2400	32.79	10,900	4.51
3-11	0600	32.27	10,400	4.59
3-11	1200	31.71	9,870	4.67
3-11	1800	31.09	9,370	4.75
3-11	2400	30.41	8,890	4.82
3-12	0600	29.55	8,330	4.89
3-12	1200	28.53	7,770	4.95
3-12	1800	27.28	7,180	5.01
3-12	2400	25.61	6,440	5.06
3-13	0600	23.27	5,540	5.11
3-13	1200	20.13	4,450	5.14
3-13	1800	15.91	3,170	5.17
3-13	2400	12.76	2,260	5.19
3-14	0600	10.68	1,700	5.20
3-14	1200	9.57	1,470	5.22
3-14	1800	9.07	1,340	5.23
3-14	2400	8.76	1,290	5.24
3-15	0600	8.55	1,250	5.25
3-15	1200	8.37	1,250	5.26
3-15	1800	8.23	1,230	5.27
3-15	2400	8.12	1,210	5.28
3-16	0600	7.98	1,160	5.29
3-16	1200	7.78	1,100	5.30
3-16	1800	7.55	1,020	5.30
3-16	2400	7.31	954	5.31
3-17	0600	7.08	886	5.32
3-17	1200	6.88	819	5.33
3-17	1800	6.72	772	5.33
3-17	2400	6.59	734	5.34
3-18	0600	6.48	702	5.34
3-18	1200	6.38	673	5.35
3-18	1800	6.30	663	5.35
3-18	2400	6.23	649	5.36
3-19	0600	6.14	623	5.36
3-19	1200	6.08	600	5.37
3-19	1800	6.01	581	5.37
3-19	2400	5.96	567	5.38
3-20	0600	5.90	549	5.38
3-20	1200	5.86	539	5.39
3-20	1800	5.81	533	5.39
3-20	2400	5.78	525	5.40
3-21	0600	5.74	514	5.40
3-21	1200	5.72	504	5.40
3-21	1800	5.70	499	5.41
3-21	2400	5.68	494	5.41
3-22	0600	5.65	486	5.42
3-22	1200	5.63	481	5.42
3-22	1800	5.61	476	5.42
3-22	2400	5.74	509	5.43
3-23	0600	6.31	672	5.43
3-23	1200	7.34	972	5.44
3-23	1800	8.07	1,180	5.45
3-23	2400	9.96	1,670	5.47
3-24	0600	11.39	2,030	5.48
3-24	1200	11.86	2,140	5.50
3-24	1800	12.02	2,150	5.52
3-24	2400	12.28	2,210	5.53
3-25	0600	12.50	2,260	5.55
3-25	1200	12.56	2,270	5.57
3-25	1800	12.40	2,220	5.59
3-25	2400	12.06	2,110	5.61

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02448500, Noxubee River near Geiger, Ala.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF
3-26	0600	11.57	1,970	5.62
3-26	1200	11.10	1,830	5.64
3-26	1800	10.72	1,670	5.65
3-26	2400	10.51	1,580	5.66
3-27	0600	10.39	1,550	5.68
3-27	1200	10.35	1,570	5.69
3-27	1800	10.30	1,610	5.70
3-27	2400	10.31	1,620	5.72
3-28	0600	10.38	1,650	5.73
3-28	1200	10.45	1,660	5.74
3-28	1800	10.49	1,690	5.76
3-28	2400	10.49	1,690	5.77
3-29	0600	10.42	1,680	5.78
3-29	1200	10.18	1,690	5.80
3-29	1800	9.76	1,620	5.81
3-29	2400	9.21	1,480	5.82
3-30	0600	8.59	1,330	5.84
3-30	1200	7.97	1,140	5.84
3-30	1800	7.42	976	5.85
3-30	2400	6.98	848	5.86
3-31	0600	6.65	752	5.86
3-31	1200	6.42	685	5.87
3-31	1800	6.25	629	5.88
3-31	2400	6.10	588	5.88
4-01	0600	5.98	555	5.88
4-01	1200	5.87	543	5.89
4-01	1800	5.79	527	5.89
4-01	2400	5.72	504	5.90
4-02	0600	5.66	489	5.90
4-02	1000	5.68	489	5.90
4-02	1300	6.19	624	5.91
4-02	1800	6.14	586	5.91
4-02	2100	6.23	598	5.91
4-02	2400	6.74	738	5.92
4-03	0600	9.71	1,540	5.93
4-03	1200	13.53	2,580	5.95
4-03	1800	15.55	3,080	5.97
4-03	2400	17.72	3,720	6.01
4-04	0400	20.64	4,620	6.03
4-04	0800	22.51	5,280	6.06
4-04	1200	23.67	5,680	6.09
4-04	1600	24.41	5,960	6.12
4-04	2000	24.90	6,160	6.16
4-04	2400	25.28	6,310	6.19
4-05	0300	25.45	6,380	6.22
4-05	0600	25.43	6,370	6.24
4-05	1200	25.11	6,240	6.29
4-05	1800	24.62	6,050	6.34
4-05	2400	23.92	5,770	6.39
4-06	0600	23.04	5,460	6.43
4-06	1200	22.00	5,100	6.48
4-06	1800	20.97	4,740	6.51
4-06	2400	19.82	4,290	6.55
4-07	0600	18.62	3,850	6.58
4-07	1200	17.44	3,450	6.61
4-07	1800	16.33	3,090	6.63
4-07	2400	15.43	2,790	6.66
4-08	0600	14.84	2,570	6.68
4-08	1200	15.14	2,670	6.70
4-08	1800	18.10	3,530	6.73
4-08	2400	20.73	4,520	6.77
4-09	0600	22.68	5,340	6.81
4-09	1200	24.01	5,800	6.86
4-09	1800	24.65	6,060	6.91
4-09	2400	24.78	6,110	6.95
4-10	0600	24.58	6,030	7.00
4-10	1200	24.14	5,860	7.05
4-10	1800	23.57	5,650	7.10
4-10	2400	22.84	5,390	7.14
4-11	0600	22.04	5,110	7.18
4-11	1200	21.26	4,840	7.22
4-11	1800	20.50	4,580	7.26
4-11	2400	19.65	4,300	7.30
4-12	0600	18.85	4,060	7.33
4-12	0800	22.89	5,410	7.34
4-12	1200	30.09	8,660	7.39
4-12	1600	35.82	14,800	7.47
4-12	2000	39.65	25,600	7.61
4-12	2400	41.28	33,700	7.79
4-13	0400	41.74	37,000	7.99
4-13	0800	42.14	40,500	8.21
4-13	1200	42.90	48,500	8.48
4-13	1600	44.08	62,800	8.82
4-13	2000	45.19	78,700	9.25
4-13	2400	46.16	95,500	9.77
4-14	0400	47.00	113,000	10.38
4-14	0800	47.60	127,000	11.07
4-14	1200	48.10	141,000	11.83
4-14	1600	48.50	154,000	12.68
4-14	1800	48.58	156,000	13.10
4-14	2000	48.58	156,000	13.52
4-14	2400	48.40	150,000	14.34
4-15	0400	48.20	144,000	15.12
4-15	0800	47.90	135,000	15.86
4-15	1200	47.50	124,000	16.53
4-15	1600	46.90	111,000	17.13
4-15	2000	46.20	92,400	17.63
4-15	2400	45.50	79,500	18.07
4-16	0600	44.50	63,900	18.59
4-16	1200	43.60	51,200	19.01
4-16	1800	43.00	44,200	19.37
4-16	2400	42.40	37,800	19.68
4-17	0600	41.80	32,600	19.94
4-17	1200	41.18	28,800	20.18
4-17	1800	40.59	25,800	20.39
4-17	2400	40.03	23,300	20.58

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02448500, Noxubee River near Geiger, Ala.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF
4-18	0600	39.48	21,200	20.75	4-25	0600	7.97	1,180	22.66
4-18	1200	38.98	19,500	20.91	4-25	1200	8.15	1,290	22.67
4-18	1800	38.49	18,000	21.06	4-25	1800	8.35	1,360	22.68
4-18	2400	38.02	16,600	21.19	4-25	2400	8.48	1,420	22.69
4-19	0600	37.54	15,600	21.32	4-26	0600	8.58	1,490	22.70
4-19	1200	37.07	14,500	21.44	4-26	1200	8.64	1,510	22.72
4-19	1800	36.59	13,600	21.55	4-26	1800	8.66	1,510	22.73
4-19	2400	36.14	12,900	21.65	4-26	2400	9.62	1,750	22.74
4-20	0600	35.68	12,300	21.75	4-27	0600	9.68	1,770	22.76
4-20	1200	35.21	11,600	21.85	4-27	1200	9.43	1,700	22.77
4-20	1800	34.72	11,000	21.94	4-27	1800	9.25	1,660	22.79
4-20	2400	34.20	10,500	22.02	4-27	2400	9.00	1,600	22.80
4-21	0600	33.66	9,930	22.60	4-28	0600	8.74	1,530	22.81
4-21	1200	33.07	9,390	22.18	4-28	1200	8.42	1,450	22.82
4-21	1800	32.41	8,810	22.25	4-28	1800	8.13	1,380	22.83
4-21	2400	31.59	8,190	22.32	4-28	2400	7.87	1,320	22.85
4-22	0600	30.50	7,360	22.38	4-29	0600	7.64	1,260	22.86
4-22	1200	29.06	6,430	22.44	4-29	1200	7.44	1,210	22.87
4-22	1800	27.30	5,680	22.48	4-29	1800	7.23	1,140	22.87
4-22	2400	25.21	4,960	22.52	4-29	2400	7.05	1,100	22.88
4-23	0600	22.75	3,930	22.55	4-30	0600	6.88	1,050	22.89
4-23	1200	20.01	3,210	22.58	4-30	1200	6.72	1,000	22.90
4-23	1800	16.95	2,400	22.60	4-30	1800	6.57	955	22.91
4-23	2400	13.92	1,710	22.61	4-30	2400	6.44	916	22.92
4-24	0600	11.46	1,300	22.62					
4-24	1200	9.65	1,200	22.63					
4-24	1800	8.46	1,130	22.64					
4-24	2400	7.98	1,110	22.65					

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02449000, Tombigbee River at Gainesville, Ala.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
2-28	2400	31.58	46200	0.00	3-17	1200	16.38	12700	3.88
3- 1	1200	30.68	46900	.10	3-18	1200	15.58	10700	3.93
3- 2	1200	30.49	46900	.30	3-19	1200	14.50	8490	3.97
3- 3	1200	31.67	49000	.51	3-20	1200	14.45	8240	4.01
3- 3	2400	37.18	63800	.65	3-21	1200	13.93	7270	4.04
3- 4	0600	39.06	72900	.73					
3- 4	1200	41.57	87400	.82	3-22	1200	14.28	8050	4.07
3- 4	1800	42.34	91300	.92					
3- 4	2400	42.80	93800	1.02	3-23	1200	15.67	11400	4.12
3- 5	0600	43.12	94700	1.12	3-24	1200	19.29	20200	4.21
3- 5	1200	43.26	95600	1.22					
3- 5	1600	43.15	96100	1.29	3-25	1200	21.95	25700	4.32
3- 5	1800	43.35	95700	1.32					
3- 5	2400	43.40	96000	1.42	3-26	1200	22.44	27000	4.44
3- 6	0600	43.44	96200	1.52	3-27	1200	22.74	27400	4.56
3- 6	1200	43.32	95400	1.62					
3- 6	1800	43.29	95100	1.72	3-28	1200	21.74	25100	4.67
3- 6	2400	43.21	94600	1.82					
3- 7	1200	42.87	91600	2.02	3-29	1200	19.37	18800	4.75
3- 8	1200	41.78	86700	2.39	3-30	1200	16.75	13800	4.81
3- 9	1200	40.86	81600	2.74	3-31	1200	16.34	13000	4.87
3-10	1200	38.96	71900	3.03	4- 1	1200	15.07	10500	4.91
3-11	1200	35.69	60000	3.29	4- 2	1200	15.57	12400	4.96
3-12	1200	31.79	46100	3.49	4- 3	1200	21.48	23500	5.06
3-13	1200	26.80	31600	3.63	4- 4	1200	27.20	37000	5.22
3-14	1200	21.34	20700	3.72	4- 5	1200	29.01	41400	5.40
3-15	1200	17.79	14000	3.78	4- 6	1200	28.84	40900	5.57
3-16	1200	16.36	12300	3.83	4- 7	1200	28.15	38900	5.74

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02449000, Tombigbee River at Gainesville, Ala.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
4- 8	1200	28.35	40000	5.91	4-18	0600	52.97	168000	11.28
					4-18	1200	52.42	158000	11.45
4- 9	1200	30.71	46200	6.11	4-18	1800	51.99	151000	11.61
					4-18	2400	51.55	144000	11.77
4-10	1200	29.20	42000	6.29					
					4-19	0600	51.06	135000	11.91
4-11	1200	26.50	35400	6.44	4-19	1200	50.63	129000	12.05
4-11	2400	25.87	34000	6.51	4-19	1800	50.20	123000	12.18
					4-19	2400	49.74	116000	12.31
4-12	0600	25.58	33300	6.55					
4-12	1200	29.17	44900	6.59	4-20	0600	49.35	112000	12.43
4-12	1600	34.23	61900	6.64	4-20	1200	49.83	107000	12.54
4-12	2000	38.86	78200	6.69	4-20	1800	48.46	101000	12.65
4-12	2400	41.32	87400	6.76	4-20	2400	48.01	95700	12.75
4-13	0400	44.30	102000	6.83	4-21	0600	47.24	89000	12.85
4-13	0800	46.35	114000	6.91	4-21	1200	46.84	83200	12.93
4-13	1200	48.04	126000	7.00	4-21	1800	46.23	77900	13.02
4-13	1600	49.31	138000	7.10	4-21	2400	45.41	72600	13.10
4-13	2000	50.16	149000	7.20					
4-13	2400	50.84	161000	7.32	4-22	0600	44.68	69300	13.17
					4-22	1200	43.77	65800	13.24
4-14	0400	51.62	176000	7.44	4-22	1800	42.29	60400	13.30
4-14	0800	52.35	190000	7.58	4-22	2400	40.22	51600	13.36
4-14	1200	53.08	204000	7.72					
4-14	1600	53.84	220000	7.88	4-23	0600	38.93	47800	13.41
4-14	2000	54.48	232000	8.05	4-23	1200	36.21	37600	13.45
4-14	2400	55.06	243000	8.22	4-23	1800	33.95	32700	13.49
					4-23	2400	31.76	29300	13.52
4-15	0400	55.53	251000	8.40					
4-15	0800	55.96	259000	8.58	4-24	0600	29.84	27400	13.55
4-15	1200	56.13	260000	8.77	4-24	1200	26.75	19000	13.57
4-15	1300	56.20	261000	8.86	4-24	1800	24.01	14000	13.58
4-15	1600	56.25	260000	8.95	4-24	2400	21.96	12300	13.59
4-15	2000	56.28	255000	9.14					
4-15	2400	56.24	251000	9.31	4-25	1200	19.78	12600	13.62
4-16	0400	56.12	247000	9.49	4-26	1200	17.69	13300	13.68
4-16	0800	55.98	241000	9.66					
4-16	1200	55.78	234000	9.83	4-27	1200	18.08	14400	13.74
4-16	1600	55.58	227000	9.99					
4-16	2000	55.31	219000	10.15	4-28	1200	17.46	13000	13.80
4-16	2400	55.08	213000	10.30					
					4-29	1200	16.49	10800	13.85
4-17	0600	54.67	203000	10.52					
4-17	1200	54.23	193000	10.72	4-30	1200	15.94	9760	13.89
4-17	1800	53.80	183000	10.92					
4-17	2400	53.39	175000	11.10					

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02449245, Brush Creek near Eutaw, Ala.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
3-01	0030	5.02	79		3-08	0015	5.49	121	4.01
3-01	0215	5.17	92	0.01	3-08	2400	5.17	92	4.10
3-01	0700	6.01	167	0.03					
3-01	1215	6.20	188	0.06					
3-01	2400	5.54	125	0.13	3-09	0015	5.17	92	4.10
					3-09	2400	5.00	77	4.17
3-02	0015	5.53	124	0.13					
3-02	1245	5.19	94	0.18	3-10	1745	4.93	72	4.22
3-02	2400	5.10	86	0.22	3-10	2400	5.21	96	4.24
3-03	0245	5.19	94	0.22	4-10	0015	6.16	183	0.00
3-03	0345	5.47	119	0.23	4-10	1245	5.67	137	0.07
3-03	0430	6.03	169	0.23	4-10	2400	5.43	115	0.12
3-03	0715	8.86	511	0.27					
3-03	1015	9.87	655	0.34					
3-03	1145	10.36	728	0.37	4-11	0015	5.43	115	0.12
3-03	1600	15.88	1,550	0.56	4-11	2400	5.13	89	0.21
3-03	1815	17.41	2,110	0.70					
3-03	1915	18.31	2,650	0.79					
3-03	2115	19.69	4,030	1.05	4-12	0715	5.05	81	0.23
3-03	2215	19.79	4,150	1.20	4-12	0745	5.16	91	0.24
3-03	2400	19.51	3,810	1.45	4-12	0800	5.43	115	0.24
					4-12	0815	5.92	159	0.24
					4-12	0830	6.86	260	0.24
3-04	0015	19.46	3,750	1.48	4-12	1000	14.37	1,320	0.29
3-04	0445	19.09	3,310	2.04	4-12	1100	17.09	1,950	0.35
3-04	1100	18.19	2,550	2.73	4-12	1230	18.47	2,780	0.48
3-04	1800	15.50	1,490	3.22	4-12	1500	18.23	2,580	0.74
3-04	2230	11.82	952	3.42	4-12	1715	17.87	2,340	0.93
3-04	2400	10.31	721	3.47	4-12	1830	18.62	2,900	1.05
					4-12	2200	21.81	6,900	1.70
					4-12	2400	22.23	7,660	2.24
3-05	0015	10.09	688	3.47					
3-05	0230	8.51	464	3.52					
3-05	0545	7.59	346	3.56	4-13	0445	22.68	8,560	3.65
3-05	1500	6.79	252	3.66	4-13	0545	22.58	8,360	3.96
3-05	2400	6.45	215	3.74	4-13	0900	21.93	7,090	4.85
					4-13	1145	22.15	7,500	5.60
					4-13	1645	20.16	4,590	6.66
3-06	0015	6.44	214	3.74	4-13	2115	18.55	2,840	7.25
3-06	1900	5.92	159	3.86	4-13	2400	17.67	2,240	7.49
3-06	2400	5.82	150	3.89					
					4-14	0015	17.59	2,200	7.51
3-07	0015	5.82	150	3.89	4-14	0530	15.39	1,470	7.85
3-07	2400	5.50	122	4.01	4-14	1230	9.47	598	8.11
					4-14	1530	8.39	448	8.17
					4-14	2130	8.10	409	8.26

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02449245, Brush Creek near Eutaw, Ala.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
4-14	2400	8.22	425	8.29					
					4-18	0015	7.93	387	9.74
					4-18	2400	6.25	193	9.99
4-15	2200	9.70	631	8.73					
4-15	2400	9.74	637	8.77					
					4-19	0015	6.25	193	9.99
					4-19	1715	5.17	92	10.08
4-16	0745	9.77	641	8.95	4-19	2400	4.85	67	10.10
4-16	2400	9.30	573	9.32					
					4-20	0015	4.84	66	10.10
4-17	0015	9.29	572	9.32	4-20	0830	4.68	55	10.11
4-17	2400	7.95	389	9.74	4-20	2400	4.59	49	10.14

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02461500, Valley Creek near Bessemer, Ala.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
4-10	0030	7.70	160		4-13	2030	10.10	2,050	7.52
4-10	0900	7.70	160	0.04	4-13	2045	9.97	1,540	7.53
4-10	2400	7.67	153	0.11	4-13	2230	9.57	1,220	7.60
					4-13	2400	9.39	1,090	7.66
4-11	0730	7.68	155	0.15					
4-11	1415	7.64	145	0.18	4-14	0015	9.37	1,070	7.66
4-11	2400	7.61	138	0.22	4-14	0615	8.96	767	7.83
					4-14	2000	8.52	512	8.09
					4-14	2400	8.45	477	8.14
4-12	0545	7.63	143	0.25					
4-12	0600	7.67	153	0.25					
4-12	0615	7.78	180	0.25	4-15	0015	8.45	477	8.15
4-12	0630	7.95	245	0.25	4-15	2400	8.17	345	8.44
4-12	0645	8.21	364	0.25					
4-12	0700	8.70	616	0.26					
4-12	0730	9.72	1,340	0.27	4-16	0115	8.16	340	8.45
4-12	0745	10.09	2,050	0.29	4-16	2400	8.00	265	8.66
4-12	0830	11.32	2,820	0.35					
4-12	0930	12.32	3,870	0.46					
4-12	1200	12.58	4,140	0.76	4-17	0300	8.01	270	8.68
4-12	1345	12.36	3,910	0.98	4-17	2230	7.93	237	8.83
4-12	1515	11.97	3,510	1.14	4-17	2400	7.94	241	8.84
4-12	1615	12.54	4,090	1.26					
4-12	1845	14.23	6,170	1.67					
4-12	1945	14.37	6,390	1.86	4-18	0045	7.94	241	8.85
4-12	2045	14.13	6,010	2.05	4-18	2215	7.84	201	8.99
4-12	2345	14.24	6,180	2.59	4-18	2400	7.85	205	9.00
4-12	2400	14.30	6,280	2.64					
					4-19	0330	7.85	205	9.02
4-13	0545	15.79	8,820	3.99	4-19	1900	7.80	185	9.11
4-13	0830	15.44	8,190	4.68	4-19	2400	7.82	193	9.14
4-13	1315	17.06	11,300	6.15					
4-13	1330	17.06	11,300	6.23					
4-13	1515	16.50	10,100	6.81	4-20	0345	7.83	197	9.16
4-13	1645	14.25	6,200	7.18	4-20	1445	7.74	170	9.22
4-13	1745	12.12	3,660	7.32	4-20	2400	7.74	170	9.27
4-13	1830	11.19	2,690	7.38					

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02462000, Valley Creek near Oak Grove, Ala.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
4-01	0030	3.91	366		4-07	0015	4.21	660	1.65
4-01	0130	3.97	420	0.01	4-07	0500	4.17	620	1.68
4-01	0245	4.05	499	0.01	4-07	1245	4.12	570	1.73
4-01	0830	3.82	293	0.04	4-07	1400	4.09	540	1.74
4-01	1145	3.78	264	0.05	4-07	1445	4.11	560	1.74
4-01	1900	3.74	236	0.07	4-07	2400	4.08	529	1.80
4-01	2300	3.72	225	0.08					
4-01	2400	3.70	212	0.08					
					4-08	0100	4.08	529	1.80
					4-08	0115	4.04	488	1.80
4-02	1600	3.65	185	0.11	4-08	0145	4.06	509	1.81
4-02	2015	3.74	238	0.12	4-08	0200	4.03	478	1.81
4-02	2200	3.65	317	0.13	4-08	0515	4.04	488	1.82
4-02	2230	3.92	375	0.13	4-08	0645	4.03	478	1.83
4-02	2245	4.02	468	0.13	4-08	1345	4.04	488	1.87
4-02	2330	4.69	1,070	0.14	4-08	1600	4.06	509	1.89
4-02	2400	4.94	1,210	0.14	4-08	2045	4.17	620	1.91
					4-08	2345	4.24	688	1.93
					4-08	2400	4.27	717	1.93
4-03	0230	5.61	1,590	0.18					
4-03	0645	9.68	3,350	0.30					
4-03	0745	9.87	3,440	0.33	4-09	0130	4.37	812	1.94
4-03	1045	9.13	3,100	0.44	4-09	0330	4.66	1,050	1.96
4-03	1930	5.69	1,540	0.65	4-09	0500	4.67	1,060	1.98
4-03	2400	5.06	1,250	0.72	4-09	0815	4.48	912	2.01
					4-09	1230	4.28	726	2.05
					4-09	1430	4.23	679	2.07
4-04	0430	5.12	1,280	0.78	4-09	1700	4.20	650	2.08
4-04	0645	6.28	1,800	0.81	4-09	1745	4.15	600	2.09
4-04	0945	8.95	3,020	0.89	4-09	1830	4.15	600	2.09
4-04	1015	9.02	3,050	0.91	4-09	2100	4.10	550	2.11
4-04	1245	7.89	2,530	0.96	4-09	2130	4.13	580	2.11
4-04	1645	6.18	1,760	1.07	4-09	2215	4.09	540	2.12
4-04	2345	5.13	1,280	1.16	4-09	2245	4.11	560	2.12
4-04	2400	5.12	1,280	1.19	4-09	2400	4.10	550	2.13
4-05	0015	5.07	1,260	1.19	4-10	0015	4.10	550	2.13
4-05	1700	4.57	986	1.39	4-10	0300	4.08	529	2.14
4-05	2400	4.44	876	1.45	4-10	0315	4.05	499	2.14
					4-10	0530	4.06	509	2.16
					4-10	0730	4.07	519	2.17
4-06	0045	4.44	876	1.46	4-10	0815	4.03	499	2.17
4-06	0400	4.37	812	1.49	4-10	1800	4.01	457	2.22
4-06	0645	4.37	812	1.51	4-10	2115	4.00	447	2.24
4-06	1300	4.29	736	1.57	4-10	2300	4.01	457	2.24
4-06	2100	4.22	669	1.63	4-10	2315	3.98	429	2.25
4-06	2400	4.19	640	1.65	4-10	2400	4.00	447	2.25

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02462000, Valley Creek near Oak Grove, Ala.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
4-11	0430	4.00	447	2.27	4-18	0115	4.27	717	10.23
4-11	1230	3.97	420	2.31	4-18	0615	4.13	580	10.37
4-11	1630	3.94	393	2.36	4-18	0945	4.12	570	10.37
4-11	1945	3.95	402	2.34	4-18	2400	4.11	560	10.38
4-11	2400	3.93	384	2.36					
					4-19	0245	4.13	580	10.40
4-12	0245	3.91	366	2.37	4-19	0345	4.09	540	10.40
4-12	0645	3.91	366	2.38	4-19	0515	4.11	560	10.41
4-12	0715	4.04	488	2.38	4-19	0730	4.08	529	10.42
4-12	0800	4.02	726	2.39	4-19	0830	4.10	550	10.43
4-12	0915	4.09	736	2.40	4-19	1545	4.05	499	10.47
4-12	1000	4.46	894	2.41	4-19	1630	4.07	519	10.48
4-12	1130	5.66	1,520	2.43	4-19	2045	4.05	499	10.50
4-12	1215	7.44	2,320	2.44	4-19	2400	4.03	478	10.52
4-12	1400	14.10	5,390	2.52					
4-12	1800	20.29	8,250	2.82					
4-12	2400	23.17	10,000	3.41	4-20	0130	4.04	488	10.52
					4-20	0730	4.00	447	10.55
					4-20	1000	4.02	466	10.57
4-13	0430	25.08	12,700	3.95	4-20	1500	4.00	447	10.59
4-13	0745	26.01	14,500	4.43	4-20	1615	4.00	447	10.61
4-13	1215	27.14	24,000	5.40	4-20	1830	4.03	478	10.61
4-13	1615	27.80	26,300	6.49	4-20	2000	4.01	457	10.61
4-13	1730	27.70	26,000	6.83	4-20	2400	3.96	411	10.63
4-13	2345	26.76	16,400	8.28					
4-13	2400	26.58	16,000	8.32					
					4-21	0830	4.00	447	10.67
					4-21	1000	3.99	436	10.68
4-14	0015	26.38	15,500	8.36	4-21	2400	3.98	429	10.74
4-14	0315	22.10	9,270	8.74					
4-14	0730	10.67	3,810	9.03					
4-14	0945	8.64	2,870	9.11	4-22	0700	3.98	429	10.77
4-14	1730	6.78	2,030	9.30	4-22	1100	3.94	393	10.79
4-14	2400	5.88	1,620	9.43	4-22	1615	3.93	384	10.81
					4-22	1830	3.96	411	10.82
					4-22	2400	4.00	447	10.85
4-15	0015	5.85	1,610	9.43					
4-15	1345	4.99	1,230	9.63					
4-15	2400	4.75	1,110	9.76	4-23	0315	4.10	550	10.87
					4-23	0715	4.15	600	10.89
					4-23	0800	4.14	590	10.90
4-16	0045	4.76	1,120	9.77	4-23	1400	3.98	429	10.93
4-16	2400	4.44	876	10.01	4-23	2300	3.93	384	10.97
					4-23	2400	3.91	366	10.97
4-17	0115	4.45	885	10.03					
4-17	2400	4.26	707	10.22	4-24	1715	3.91	366	11.04
					4-24	2015	3.94	393	11.05
					4-24	2400	4.01	457	11.07

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02462000, Valley Creek near Oak Grove, Ala.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
					4-27	0015	5.44	1,420	11.48
					4-27	0115	7.25	2,240	11.50
4-25	0300	4.01	457	11.08	4-27	0215	7.62	2,400	11.53
4-25	0500	4.08	529	11.09	4-27	0245	7.52	2,360	11.54
4-25	1100	3.97	420	11.12	4-27	0715	5.09	1,270	11.62
4-25	1315	3.99	438	11.13	4-27	1130	4.55	970	11.67
4-25	1730	4.15	600	11.15	4-27	2330	4.26	707	11.78
4-25	2015	4.28	726	11.17	4-27	2400	4.25	696	11.78
4-25	2345	4.49	921	11.21					
4-25	2400	4.48	912	11.21					
					4-28	0045	4.26	707	11.79
					4-28	0730	4.15	600	11.83
4-26	0400	4.93	1,200	11.25	4-28	0815	4.18	630	11.84
4-26	0615	5.54	1,470	11.29	4-28	1215	4.17	620	11.87
4-26	1400	4.51	938	11.38	4-28	2400	4.08	529	11.94
4-26	1900	4.35	793	11.43					
4-26	2130	4.39	831	11.45					
4-26	2300	4.39	831	11.46	4-29	0100	4.08	529	11.94
4-26	2315	4.44	876	11.47	4-29	0345	4.05	499	11.96
4-26	2400	5.44	1,420	11.48	4-29	1545	4.02	468	12.02
					4-29	2130	3.99	438	12.05
					4-29	2400	3.98	429	12.06

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02464000, North River near Samantha, Ala.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
4-10	0200	3.00	500		4-15	0100	20.13	10,200	7.49
4-10	0100	3.00	500	0.00	4-15	0400	15.34	7,060	7.67
4-10	2400	2.79	385	0.07	4-15	0700	8.90	3,680	7.77
					4-15	0900	6.85	2,550	7.81
					4-15	1100	6.22	2,200	7.84
4-11	0200	2.79	385	0.08	4-15	2400	5.06	1,580	8.01
4-11	2400	2.69	335	0.14					
					4-16	0100	5.04	1,570	8.02
4-12	0500	2.66	321	0.15	4-16	2400	4.13	1,120	8.23
4-12	0600	3.17	594	0.15					
4-12	0800	4.95	1,530	0.17					
4-12	0900	7.75	3,040	0.19	4-17	0100	4.08	1,090	8.24
4-12	1000	9.60	4,060	0.22	4-17	2400	3.61	836	8.39
4-12	1100	10.57	4,570	0.25					
4-12	1200	13.42	5,990	0.29					
4-12	1600	25.21	13,700	0.61	4-18	0100	3.60	830	8.40
4-12	2300	29.25	17,900	1.43	4-18	2400	3.28	654	8.52
4-12	2400	29.44	18,100	1.56					
					4-19	0100	3.27	649	8.52
4-13	1000	30.55	19,400	2.88	4-19	2400	3.03	517	8.62
4-13	2200	30.16	18,900	4.50					
4-13	2400	30.00	18,700	4.76					
					4-20	0100	3.02	511	8.62
					4-20	2400	2.86	423	8.69
4-14	0100	29.91	18,600	4.89					
4-14	1500	26.72	15,100	6.60					
4-14	2400	21.17	10,900	7.42	4-21	0100	2.85	418	8.70
					4-21	2400	2.75	365	8.76

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02465000, Black Warrior River at Northport, Ala.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNDFF
4-11	2400	42.67	12300		4-14	2200	60.49	150000	3.80
					4-14	2400	60.15	144000	3.89
4-12	0600	42.48	11100	0.02					
4-12	1200	44.78	28500	0.08	4-15	0600	59.40	136000	4.16
4-12	1600	51.90	102000	0.21	4-15	1200	58.18	123000	4.39
4-12	2000	58.48	173000	0.43	4-15	1800	57.28	117000	4.62
4-12	2400	61.30	199000	0.68	4-15	2400	55.67	99500	4.81
4-13	0400	62.87	209000	0.95	4-16	0600	54.44	90000	4.98
4-13	0800	64.16	214000	1.23	4-16	1200	52.52	74800	5.13
4-13	0900	64.90	230000	1.30	4-16	1800	51.11	66600	5.26
4-13	1000	65.99	269000	1.39	4-16	2400	48.17	46300	5.35
4-13	1100	66.80	272000	1.48					
4-13	1200	66.85	265000	1.56	4-17	0200	47.12	39400	5.37
4-13	1600	66.17	245000	1.88	4-17	0400	46.02	31000	5.39
4-13	2000	65.59	239000	2.18	4-17	0600	45.34	30400	5.41
4-13	2400	64.97	231000	2.48	4-17	1200	45.14	31400	5.47
					4-17	1400	45.20	31900	5.49
4-14	0600	63.87	209000	2.88	4-17	1600	45.53	34500	5.51
4-14	1200	62.49	197000	3.26	4-17	1800	47.06	48500	5.54
4-14	1400	61.86	188000	3.38	4-17	2000	44.94	29800	5.56
4-14	1600	61.46	175000	3.49	4-17	2200	44.33	24900	5.58
4-14	1800	61.07	169000	3.60	4-17	2400	44.21	24000	5.59
4-14	2000	60.80	162000	3.71					

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02465286, Cribbs Mill Creek at 2d Avenue in Tuscaloosa, Ala.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
4-11	0030	0.52	4.0	0.00	4-12	2015	4.86	412	2.75
4-11	1400	.52	4.0	.03	4-12	2045	4.01	301	2.85
4-11	2400	.51	3.7	.05	4-12	2115	3.70	264	2.92
					4-12	2145	3.63	256	3.00
4-12	0600	.59	5.7	.07	4-12	2200	3.67	260	3.03
4-12	0615	1.17	31	.07	4-12	2230	3.47	237	3.10
4-12	0630	1.94	85	.08	4-12	2300	3.00	185	3.16
4-12	0645	2.02	92	.10	4-12	2315	2.80	165	3.18
4-12	0700	2.83	168	.12	4-12	2330	2.68	153	3.20
4-12	0715	3.19	206	.15	4-12	2345	2.77	162	3.23
4-12	0745	3.40	229	.21	4-12	2400	2.74	159	3.25
4-12	0800	3.77	272	.25					
4-12	0830	4.12	316	.34	4-13	0015	2.99	184	3.27
4-12	0845	4.01	301	.38	4-13	0030	4.07	309	3.32
4-12	0915	3.48	238	.45	4-13	0045	5.22	463	3.38
4-12	0945	2.63	148	.50	4-13	0115	5.92	576	3.54
4-12	1000	2.47	132	.52	4-13	0200	5.67	534	3.77
4-12	1015	2.93	178	.54	4-13	0215	4.95	424	3.83
4-12	1030	3.43	232	.57	4-13	0230	3.81	277	3.87
4-12	1100	5.02	433	.68	4-13	0245	3.26	214	3.90
4-12	1115	5.25	468	.75	4-13	0300	2.97	182	3.92
4-12	1200	4.81	405	.93	4-13	0330	2.88	173	3.97
4-12	1215	4.18	323	.97	4-13	0345	2.92	177	4.00
4-12	1230	3.39	228	1.01	4-13	0430	2.73	158	4.07
4-12	1245	2.90	175	1.03	4-13	0515	2.32	119	4.12
4-12	1300	2.58	143	1.05	4-13	0530	2.24	112	4.14
4-12	1330	2.16	104	1.08	4-13	0600	2.16	104	4.17
4-12	1345	2.01	91	1.10	4-13	0615	2.21	109	4.18
4-12	1430	1.71	67	1.13	4-13	0630	2.20	108	4.20
4-12	1445	1.78	72	1.14	4-13	0645	2.26	113	4.22
4-12	1500	1.91	83	1.15	4-13	0700	3.31	219	4.25
4-12	1515	1.78	72	1.16	4-13	0730	6.24	633	4.40
4-12	1530	1.94	85	1.17	4-13	0745	7.50	870	4.52
4-12	1545	2.02	92	1.18	4-13	0800	8.29	1040	4.66
4-12	1600	2.94	179	1.21	4-13	0815	8.83	1160	4.83
4-12	1615	3.82	278	1.25	4-13	0845	9.27	1270	5.17
4-12	1630	4.95	424	1.31	4-13	0900	9.21	1250	5.35
4-12	1645	6.05	599	1.39	4-13	0915	8.77	1150	5.51
4-12	1715	7.24	818	1.61	4-13	0930	7.62	894	5.64
4-12	1730	7.68	906	1.74	4-13	1000	5.47	501	5.81
4-12	1800	7.86	942	2.00	4-13	1015	4.19	325	5.85
4-12	1830	7.17	804	2.24	4-13	1030	3.50	240	5.89
4-12	1900	6.15	617	2.42	4-13	1045	3.12	198	5.92
4-12	1945	5.10	445	2.63	4-13	1100	2.81	166	5.94

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02465286, Cribbs Mill Creek at 2d Avenue in Tuscaloosa, Ala.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
4-13	1145	2.29	116	5.99	4-14	1300	0.93	18	6.47
4-13	1200	2.22	110	6.01	4-14	2400	.85	15	6.57
4-13	1215	2.09	98	6.02					
4-13	1300	1.84	77	6.06	4-15	1200	.80	13	6.66
4-13	1400	1.64	62	6.10	4-15	2400	.77	11	6.74
4-13	1500	1.50	52	6.13					
4-13	1615	1.41	46	6.16	4-16	1200	.74	10	6.82
4-13	1630	1.37	43	6.17	4-16	2400	.73	10	6.89
4-13	1645	1.37	43	6.17					
4-13	1845	1.28	38	6.22	4-17	1300	.70	9.0	6.96
4-13	2400	1.09	26	6.31	4-17	2400	.70	9.0	7.01

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02465493, Elliotts Creek at Moundville, Ala.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
4-10	0030	4.67	126		4-13	1015	7.40	3,000	1.67
4-10	0015	4.67	126	0.00	4-13	1145	7.29	2,560	1.88
4-10	1645	3.87	83	0.08	4-13	1345	7.10	1,850	2.09
4-10	2400	3.69	74	0.11	4-13	1615	6.97	1,460	2.29
					4-13	2400	6.77	1,160	2.78
4-11	0030	3.68	74	0.11					
4-11	2400	3.40	62	0.19	4-14	0030	6.76	1,140	2.81
					4-14	1000	6.33	552	3.19
					4-14	1730	6.13	403	3.37
4-12	0730	3.38	61	0.21	4-14	2400	6.00	333	3.48
4-12	0800	3.54	68	0.22					
4-12	0815	3.73	76	0.22					
4-12	0900	4.98	149	0.22	4-15	0045	5.99	330	3.50
4-12	0930	5.58	223	0.23	4-15	2400	5.53	215	3.80
4-12	1315	5.89	298	0.28					
4-12	1645	5.83	280	0.33					
4-12	1715	6.02	343	0.33	4-16	0045	5.52	213	3.81
4-12	1745	6.25	477	0.35	4-16	2400	5.04	154	4.02
4-12	1815	6.55	835	0.36					
4-12	1915	6.79	1,190	0.42					
4-12	1930	6.94	1,410	0.44	4-17	0045	5.03	153	4.02
4-12	2000	7.21	2,240	0.49	4-17	2400	4.60	121	4.18
4-12	2030	7.26	2,440	0.55					
4-12	2045	7.24	2,360	0.58					
4-12	2230	7.08	1,780	0.75	4-18	0015	4.60	121	4.18
4-12	2400	6.96	1,440	0.87	4-18	2400	4.22	100	4.31
4-13	0215	6.86	1,290	1.02	4-19	0015	4.22	100	4.31
4-13	0800	6.97	1,460	1.41	4-19	2400	3.95	87	4.42
4-13	0945	7.33	2,720	1.60					

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02467000, Tombigbee River at Demopolis lock and dam, Ala.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
2-28	2400	23.18	85600	0.00	3- 9	0600	27.93	170000	2.41
					3- 9	1200	27.94	170000	2.51
3- 1	0600	23.10	84000	.05	3- 9	1800	27.97	171000	2.61
3- 1	1200	23.01	82200	.10	3- 9	2400	27.94	170000	2.72
3- 1	1800	22.91	80300	.15					
3- 1	2400	22.82	78600	.20	3-10	0600	27.89	169000	2.82
					3-10	1200	27.80	164000	2.92
3- 2	0600	22.70	76300	.24	3-10	1800	27.71	165000	3.02
3- 2	1200	22.59	74200	.29	3-10	2400	27.55	160000	3.11
3- 2	1800	22.50	72500	.33					
3- 2	2400	22.40	70600	.37	3-11	0600	27.36	156000	3.21
					3-11	1200	27.13	154000	3.30
3- 3	0600	22.34	69500	.42	3-11	1800	26.87	151000	3.39
3- 3	1200	22.39	70400	.46	3-11	2400	26.52	145000	3.48
3- 3	1800	22.76	77400	.50					
3- 3	2400	23.56	93200	.56	3-12	0600	26.13	140000	3.56
					3-12	1200	25.64	133000	3.64
3- 4	0600	24.09	104000	.62	3-12	1800	25.19	125000	3.72
3- 4	1200	24.43	111000	.69	3-12	2400	24.63	114000	3.79
3- 4	1800	24.73	117000	.76					
3- 4	2400	24.92	120000	.83	3-13	0600	24.15	105000	3.85
					3-13	1200	23.71	96200	3.91
3- 5	0600	25.13	125000	.91	3-13	1800	23.24	86800	3.96
3- 5	1200	25.44	130000	.99	3-13	2400	22.80	78200	4.01
3- 5	1800	25.70	133000	1.07					
3- 5	2400	26.08	141000	1.15	3-14	0600	22.37	70000	4.05
					3-14	1200	21.98	62600	4.09
3- 6	0600	26.34	145000	1.24	3-14	1800	21.61	56000	4.12
3- 6	1200	26.54	147000	1.33	3-14	2400	21.35	51300	4.15
3- 6	1800	26.74	151000	1.42					
3- 6	2400	26.92	152000	1.51	3-15	0600	21.10	46800	4.18
					3-15	1200	20.93	43700	4.21
3- 7	0600	27.11	155000	1.61	3-15	1800	20.66	39100	4.23
3- 7	1200	27.25	158000	1.70	3-15	2400	20.46	35900	4.25
3- 7	1800	27.39	160000	1.80					
3- 7	2400	27.55	165000	1.90	3-16	0600	20.30	33300	4.27
					3-16	1200	20.21	32000	4.29
3- 8	0600	27.63	166000	2.00	3-16	1800	20.17	31400	4.31
3- 8	1200	27.71	168000	2.10	3-16	2400	20.15	31000	4.33
3- 8	1800	27.81	169000	2.20					
3- 8	2400	27.88	170000	2.30	3-17	0600	20.15	31000	4.35

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02467000, Tombigbee River at Demopolis lock and dam, Ala.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
3-17	1200	20.12	30600	4.37	3-26	0600	20.85	42400	4.98
3-17	1800	20.09	30200	4.39	3-26	1200	20.83	42000	5.00
3-17	2400	19.99	28600	4.40	3-26	1800	20.83	42000	5.03
					3-26	2400	20.89	43000	5.05
3-18	0600	20.01	29000	4.42					
3-18	1200	19.94	27900	4.44	3-27	0600	20.85	42400	5.08
3-18	1800	19.91	27400	4.45	3-27	1200	20.86	42500	5.10
3-18	2400	19.78	25500	4.47	3-27	1800	20.84	42200	5.13
					3-27	2400	20.80	41500	5.15
3-19	0600	19.72	24600	4.48					
3-19	1200	19.64	23400	4.50	3-28	0600	20.77	41000	5.18
3-19	1800	19.67	23800	4.51	3-28	1200	20.75	40600	5.20
3-19	2400	19.68	24000	4.53	3-28	1800	20.72	40100	5.23
					3-28	2400	20.73	40300	5.25
3-20	0600	19.73	24800	4.54					
3-20	1200	19.72	24600	4.56	3-29	0600	20.70	39800	5.28
3-20	1800	19.73	24800	4.57	3-29	1200	20.65	39000	5.30
3-20	2400	19.61	23000	4.59	3-29	1800	20.51	36700	5.32
					3-29	2400	20.28	33000	5.34
3-21	0600	19.52	21700	4.60					
3-21	1200	19.50	21400	4.61	3-30	0600	20.11	30400	5.36
3-21	1800	19.51	21500	4.62	3-30	1200	19.98	28500	5.38
3-21	2400	19.56	22200	4.64	3-30	1800	20.03	29200	5.40
					3-30	2400	20.00	28800	5.41
3-22	0600	19.60	22800	4.65					
3-22	1200	19.61	23000	4.67	3-31	0600	19.95	28000	5.43
3-22	1800	19.56	22200	4.68	3-31	1200	19.90	27300	5.45
3-22	2400	19.59	22700	4.69	3-31	1800	19.82	26100	5.46
					3-31	2400	19.66	23700	5.48
3-23	0600	19.64	23400	4.71					
3-23	1200	19.77	25400	4.72	4- 1	0600	19.54	22000	5.49
3-23	1800	19.94	27900	4.74	4- 1	1200	19.39	19900	5.50
3-23	2400	20.17	31400	4.76	4- 1	1800	19.13	16200	5.51
					4- 1	2400	19.00	14500	5.52
3-24	0600	20.33	33000	4.78					
3-24	1200	20.43	35400	4.80	4- 2	0600	19.25	17900	5.53
3-24	1800	20.60	38100	4.82	4- 2	1200	19.44	20600	5.54
3-24	2400	20.79	41300	4.85	4- 2	1800	19.62	23100	5.56
					4- 2	2400	19.91	27400	5.57
3-25	0600	20.89	43000	4.87					
3-25	1200	20.90	43200	4.90	4- 3	0600	20.70	39800	5.60
3-25	1800	20.88	42900	4.93	4- 3	1200	21.10	46800	5.63
3-25	2400	20.78	41200	4.95	4- 3	1800	21.35	51300	5.66
					4- 3	2400	21.73	58100	5.69

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02467000, Tombigbee River at Demopolis lock and dam, Ala.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
4- 4	0600	22.12	65300	5.73	4-13	0600	24.23	107000	7.38
4- 4	1200	22.41	70800	5.77	4-13	1200	24.85	119000	7.45
4- 4	1800	22.68	75900	5.82	4-13	1800	25.34	129000	7.52
4- 4	2400	22.85	79200	5.87	4-13	2400	25.78	138000	7.61
4- 5	0600	22.96	81200	5.92	4-14	0600	26.29	146000	7.70
4- 5	1200	23.04	82800	5.97	4-14	1200	26.96	158000	7.79
4- 5	1800	23.08	83600	6.02	4-14	1800	27.54	168000	7.89
4- 5	2400	23.11	84200	6.07	4-14	2400	28.17	175000	8.00
4- 6	0600	23.11	84200	6.12	4-15	0600	28.85	183000	8.11
4- 6	1200	23.10	84000	6.17	4-15	1200	29.64	192000	8.23
4- 6	1800	23.11	84200	6.22	4-15	1800	30.49	202000	8.35
4- 6	2400	23.11	84200	6.27	4-15	2400	31.42	212000	8.48
4- 7	0600	23.07	83400	6.32	4-16	0600	32.37	242000	8.62
4- 7	1200	23.04	82800	6.37	4-16	1200	33.31	261000	8.78
4- 7	1800	22.89	79900	6.42	4-16	1800	34.18	271000	8.94
4- 7	2400	22.76	77400	6.47	4-16	2400	34.93	286000	9.12
4- 8	0600	22.65	75400	6.51	4-17	0600	35.53	298000	9.30
4- 8	1200	22.62	74800	6.56	4-17	1200	36.03	306000	9.48
4- 8	1800	22.58	74000	6.60	4-17	1800	36.45	320000	9.67
4- 8	2400	22.65	75400	6.65	4-17	2400	36.72	335000	9.88
4- 9	0600	22.72	76700	6.69	4-18	0600	36.90	341000	10.08
4- 9	1200	22.70	76300	6.74	4-18	1200	37.00	343000	10.29
4- 9	1800	22.65	75400	6.79	4-18	1800	37.03	340000	10.49
4- 9	2400	22.61	74600	6.83	4-18	2400	36.95	325000	10.69
4-10	0600	22.54	73300	6.87	4-19	0600	36.83	311000	10.88
4-10	1200	22.40	70600	6.92	4-19	1200	36.66	298000	11.06
4-10	1800	22.32	69100	6.96	4-19	1800	36.42	286000	11.23
4-10	2400	22.20	66800	7.00	4-19	2400	36.15	285000	11.40
4-11	0600	22.07	64300	7.04	4-20	0600	35.85	282000	11.57
4-11	1200	21.92	61600	7.08	4-20	1200	35.57	279000	11.74
4-11	1800	21.82	59800	7.11	4-20	1800	35.20	275000	11.91
4-11	2400	21.75	58500	7.15	4-20	2400	34.82	267000	12.07
4-12	0600	21.68	57200	7.18	4-21	0600	34.42	257000	12.22
4-12	1200	21.72	58000	7.22	4-21	1200	34.01	247000	12.37
4-12	1800	22.18	66400	7.26	4-21	1800	33.59	242000	12.52
4-12	2400	23.37	89400	7.31	4-21	2400	33.14	234000	12.66

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02467000, Tombigbee River at Demopolis lock and dam, Ala.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
4-22	0600	32.70	224000	12.79	4-26	1800	20.83	42000	14.16
4-22	1200	32.22	214000	12.92	4-26	2400	21.00	45000	14.19
4-22	1800	31.77	212000	13.05					
4-22	2400	31.25	193000	13.17	4-27	0600	21.07	46300	14.22
					4-27	1200	21.03	45500	14.24
4-23	0600	30.72	187000	13.28	4-27	1800	20.97	44500	14.27
4-23	1200	30.12	174000	13.39	4-27	2400	21.03	45500	14.30
4-23	1800	29.45	169000	13.49					
4-23	2400	28.74	160000	13.59	4-28	0600	21.09	46600	14.33
					4-28	1200	21.14	47500	14.36
4-24	0600	27.90	146000	13.67	4-28	1800	21.06	46000	14.38
4-24	1200	27.01	141000	13.76	4-28	2400	21.02	45400	14.41
4-24	1800	25.97	128000	13.84					
4-24	2400	24.83	114000	13.90	4-29	0600	21.02	45400	14.44
					4-29	1200	20.98	44600	14.46
4-25	0600	23.67	94700	13.96	4-29	1800	20.97	44500	14.49
4-25	1200	22.75	77200	14.01	4-29	2400	20.90	43200	14.52
4-25	1800	22.06	64100	14.05					
4-25	2400	21.58	55400	14.08	4-30	0600	20.80	41500	14.54
					4-30	1200	20.70	39800	14.57
4-26	0600	21.21	48800	14.11	4-30	1800	20.57	37600	14.59
4-26	1200	20.93	43700	14.14	4-30	2400	20.39	34700	14.61

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02467500, Sucarnoochee River at Livingston, Ala.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
3-01	0200	20.44	5,070						
3-01	0100	20.44	5,070	0.01					
3-01	2400	17.35	3,540	0.27	3-12	0400	9.30	1,230	4.88
					3-12	2400	9.04	1,160	4.94
3-02	0100	17.16	3,460	0.28					
3-02	2400	13.40	2,320	0.44	3-13	0100	9.01	1,150	4.94
					3-13	2400	8.25	1,000	5.01
3-03	0400	13.69	2,410	0.46					
3-03	1300	17.38	3,550	0.53	3-14	0100	8.22	994	5.01
3-03	2000	21.46	5,840	0.62	3-14	2400	7.70	890	5.07
3-03	2400	22.90	7,430	0.69					
					3-15	0100	7.68	886	5.07
3-04	1300	24.54	11,600	1.02	3-15	2400	7.29	808	5.12
3-04	2400	24.87	12,600	1.36					
					4-01	2400	6.16	590	0.03
3-05	0800	26.01	16,300	1.65					
3-05	1900	27.64	22,900	2.23					
3-05	2200	27.69	23,100	2.41	4-02	1100	6.33	621	0.05
3-05	2400	27.64	22,900	2.52	4-02	1700	7.92	934	0.06
					4-02	2000	8.78	1,110	0.07
					4-02	2100	9.38	1,250	0.08
3-06	0100	27.59	22,700	2.58	4-02	2200	10.57	1,540	0.08
3-06	2400	24.46	11,400	3.58	4-02	2400	14.02	2,510	0.09
3-07	0100	24.32	11,000	3.60	4-03	0300	16.75	3,330	0.11
3-07	1500	22.86	7,350	3.92	4-03	0500	17.01	3,400	0.13
3-07	2400	22.16	6,490	4.07	4-03	2400	16.45	3,240	0.29
3-08	0100	22.08	6,410	4.09	4-04	0800	18.25	3,900	0.36
3-08	2400	20.03	4,820	4.42	4-04	2400	19.34	4,410	0.53
3-09	0100	19.91	4,750	4.43	4-05	1300	19.78	4,670	0.68
3-09	2400	15.85	3,060	4.66	4-05	2400	19.64	4,580	0.82
3-10	0100	15.60	2,980	4.67	4-06	0100	19.63	4,580	0.83
3-10	1800	11.36	1,740	4.76	4-06	2400	19.49	4,490	1.09
3-10	2400	10.47	1,520	4.79					
					4-07	0900	19.50	4,500	1.20
3-11	0100	10.35	1,490	4.79	4-07	2400	19.23	4,360	1.37
3-11	1700	9.34	1,240	4.85					
3-11	2400	9.31	1,230	4.87					

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02467500, Sucarnoochee River at Livingston, Ala.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
4-08	1200	18.92	4,200	1.50	4-14	2400	32.04	50,700	7.44
4-08	1800	19.72	4,630	1.57					
4-08	2000	19.65	4,590	1.59					
4-08	2400	19.36	4,420	1.63	4-15	0100	31.84	49,100	7.57
					4-15	1700	27.72	23,200	8.98
					4-15	2400	25.95	16,100	9.32
4-09	0100	19.30	4,390	1.65					
4-09	2400	18.60	4,040	1.89					
					4-16	0100	25.73	15,200	9.36
					4-16	1100	23.90	9,760	9.66
4-10	0100	18.59	4,040	1.90	4-16	2400	22.62	6,950	9.93
4-10	2400	18.06	3,820	2.13					
					4-17	0100	22.54	6,870	9.95
4-11	0100	18.04	3,820	2.14	4-17	2400	20.81	5,330	10.30
4-11	2400	17.90	3,760	2.36					
					4-18	0100	20.73	5,270	10.31
4-12	0900	18.25	3,900	2.45	4-18	2400	17.92	3,770	10.58
4-12	2000	20.36	5,020	2.58					
4-12	2400	22.71	7,050	2.64					
					4-19	0100	17.75	3,700	10.59
					4-19	2400	12.51	2,050	10.76
4-13	0600	25.24	13,700	2.81					
4-13	1000	26.41	17,900	2.98					
4-13	2200	30.03	35,600	3.80	4-20	0100	12.30	1,990	10.76
4-13	2400	30.68	40,200	4.00	4-20	1700	9.89	1,370	10.83
					4-20	2400	9.35	1,240	10.85
4-14	1000	33.31	60,900	5.36					
4-14	1300	33.47	62,200	5.83	4-21	0100	9.29	1,220	10.85
4-14	2000	32.79	56,700	6.90	4-21	2400	8.53	1,060	10.92

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02468500, Chickasaw Bogue near Linden, Ala.
[Maximum discharge occurred on March 4, 1979]

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM. RUNOFF
3- 2	2400	5.33	74	0.00	4-11	2400	5.97	162	0.00
3- 3	0900	5.23	65	0.00	4-12	1400	5.68	116	0.01
3- 3	1400	5.27	68	0.01	4-12	1500	4.67	30	0.01
3- 3	1500	6.09	185	0.01	4-12	1600	5.66	113	0.01
3- 3	1600	6.72	343	0.01	4-12	1900	5.72	122	0.01
3- 3	1700	7.86	729	0.01	4-12	2000	6.34	243	0.01
3- 3	1800	9.47	1370	0.02	4-12	2100	7.59	625	0.02
3- 3	2000	13.66	3400	0.06	4-12	2200	9.61	1430	0.03
3- 3	2400	20.01	8210	0.26	4-12	2300	12.98	2990	0.04
					4-12	2400	16.22	5050	0.07
3- 4	0300	23.31	13100	0.50					
3- 4	0500	26.08	19000	0.72	4-13	0300	20.65	9050	0.24
3- 4	0800	29.13	33300	1.32	4-13	0900	25.13	16800	0.84
3- 4	1200	30.18	38700	2.25	4-13	1300	25.80	18200	1.28
3- 4	2000	28.11	28200	3.61	4-13	1600	25.63	17800	1.60
3- 4	2400	26.56	20600	4.10	4-13	2400	24.14	14800	2.31
3- 5	0100	26.17	19300	4.22	4-14	0100	23.89	14300	2.40
3- 5	1300	19.38	7580	4.77	4-14	1800	14.78	4070	2.81
3- 5	2100	13.84	3500	4.93	4-14	2300	11.14	2080	2.88
3- 5	2400	11.79	2400	4.98	4-14	2400	10.69	1880	2.89

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued

02475500, Chunky Creek near Chunky, Miss.

[Maximum discharge occurred on March 4, 1979]

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
03-01	0100	5.54	924	0.00
03-01	1200	5.69	1,000	0.04
03-01	2400	6.58	1,510	0.10
03-02	1000	6.76	1,610	0.17
03-02	2400	6.34	1,370	0.26
03-03	0600	6.99	1,740	0.30
03-03	1200	8.32	2,430	0.35
03-03	1500	9.68	3,200	0.38
03-03	1800	10.99	4,030	0.43
03-03	2100	12.59	5,140	0.49
03-03	2400	13.21	5,590	0.56
03-04	0300	15.03	7,020	0.64
03-04	0600	19.16	10,700	0.75
03-04	0900	24.52	24,300	0.97
03-04	1200	25.97	34,200	1.34
03-04	1500	26.59	40,400	1.81
03-04	1700	26.64	40,900	2.15
03-04	2100	26.19	36,300	2.80
03-04	2400	25.79	32,600	3.24
03-05	0800	24.20	22,500	4.17
03-05	1600	22.06	14,200	4.78
03-05	2100	19.88	11,400	5.05
03-05	2400	18.28	9,860	5.19
03-06	0600	14.96	6,960	5.40
03-06	1200	12.61	5,150	5.55
03-06	1800	11.14	4,120	5.67
03-06	2400	10.16	3,490	5.77
03-07	0600	9.31	2,980	5.85
03-07	1200	8.45	2,490	5.92
03-07	1800	7.47	1,980	5.97
03-07	2400	6.68	1,550	6.02
03-08	1200	6.03	1,170	6.09
03-08	2400	5.81	1,050	6.14
03-09	2400	5.37	828	6.24
03-10	2400	5.15	730	6.32
03-11	2400	5.38	828	6.40
03-12	2400	5.04	680	6.47
03-13	2400	4.76	551	6.53
03-14	2400	4.62	486	6.59
03-15	2400	4.49	435	6.63
03-16	2400	4.33	373	6.67
03-17	2400	4.26	349	6.71
03-18	2400	4.21	333	6.75
03-19	2400	4.13	305	6.78
03-20	2400	4.06	284	6.81
03-21	2400	4.02	270	6.84
03-22	2400	4.12	299	6.86
03-23	2400	5.88	1,060	6.93
03-24	0400	5.97	1,100	6.95
03-24	2400	5.34	787	7.03
03-25	2400	4.46	409	7.09
03-26	2400	4.15	302	7.13
03-27	2400	4.01	262	7.16

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02475500, Chunky Creek near Chunky, Miss.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
03-28	2400	3.93	240	7.18
03-29	2400	3.86	220	7.20
03-30	2400	3.83	213	7.23
03-31	2400	3.82	210	7.25
04-01	2400	3.85	215	7.27
04-02	0800	3.89	255	7.28
04-02	1600	4.85	555	7.29
04-02	2400	5.17	700	7.31
04-03	1200	7.43	1,910	7.38
04-03	2400	8.09	2,270	7.48
04-04	1200	9.34	2,980	7.62
04-04	2400	10.06	3,430	7.78
04-05	1200	11.80	4,570	7.98
04-05	2000	12.32	4,940	8.14
04-05	2400	12.19	4,850	8.22
04-06	0600	11.72	4,520	8.34
04-06	1200	10.84	3,930	8.45
04-06	1800	10.07	3,430	8.54
04-06	2400	9.31	2,960	8.62
04-07	1200	7.17	1,770	8.74
04-07	2400	5.62	895	8.81
04-08	0700	5.37	774	8.83
04-08	1200	5.54	852	8.85
04-08	2400	6.96	1,640	8.91
04-09	1200	7.82	2,110	9.01
04-09	1800	8.08	2,250	9.06
04-09	2400	8.34	2,390	9.12
04-10	1000	8.51	2,490	9.22
04-10	1700	8.41	2,430	9.30
04-10	2400	8.19	2,310	9.37
04-11	0600	7.88	2,140	9.42
04-11	1200	7.54	1,960	9.47
04-11	2400	6.27	1,230	9.56
04-12	0600	5.81	979	9.58
04-12	1400	5.63	890	9.61
04-12	2400	9.88	3,320	9.70
04-13	0100	10.23	3,530	9.72
04-13	0300	12.07	4,760	9.75
04-13	0600	13.26	5,630	9.82
04-13	0900	15.20	7,160	9.90
04-13	1200	20.07	11,600	10.02
04-13	1500	24.12	22,100	10.23
04-13	1800	25.38	29,500	10.56
04-13	2100	25.99	34,400	10.96
04-13	2400	26.14	35,800	11.40
04-14	0100	26.17	36,100	11.56
04-14	0300	25.96	34,100	11.85
04-14	0600	25.58	30,800	12.26
04-14	0900	25.10	27,700	12.63
04-14	1200	24.60	24,800	12.96
04-14	1500	24.16	22,300	13.26
04-14	1800	23.51	19,000	13.52
04-14	2100	22.78	16,100	13.74
04-14	2400	21.69	13,500	13.93
04-15	0600	19.00	10,500	14.23
04-15	1200	15.74	7,610	14.46
04-15	1800	13.23	5,610	14.63
04-15	2400	11.56	4,410	14.76
04-16	0600	10.49	3,700	14.86
04-16	1200	9.61	3,140	14.94
04-16	2400	7.62	2,000	15.07
04-17	1200	6.20	1,180	15.15
04-17	2400	5.64	885	15.21
04-18	1200	5.33	739	15.25
04-18	2400	5.13	655	15.28
04-19	1200	4.96	573	15.31
04-19	2400	4.84	520	15.34
04-20	1200	4.74	478	15.37
04-20	2400	4.66	446	15.39
04-21	1200	4.60	420	15.41
04-21	2400	4.54	398	15.43
04-22	1200	4.48	376	15.45
04-22	2400	4.45	366	15.47

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02476500, Sowashee Creek at Meridian, Miss.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
04-11	0100	3.49	177	0.00	04-14	1200	5.68	414	3.91
04-11	0600	3.45	170	0.02	04-14	2400	4.36	273	4.03
04-11	1200	3.41	164	0.05					
04-11	1800	3.36	150	0.08	04-15	1200	3.90	224	4.12
04-11	2400	3.31	148	0.11	04-15	2400	3.61	190	4.19
04-12	0600	3.29	145	0.13	04-16	2400	3.40	158	4.32
04-12	1200	6.30	490	0.19					
04-12	1800	7.84	693	0.29	04-17	2400	3.26	135	4.42
04-12	2400	16.11	2,400	0.57					
					04-18	2400	3.17	119	4.51
04-13	0730	22.87	7,270	1.65					
04-13	0900	22.50	6,900	1.97	04-19	2400	3.11	108	4.59
04-13	1200	21.12	5,630	2.53					
04-13	1500	19.15	4,110	2.97	04-20	2400	3.10	106	4.67
04-13	1800	16.61	2,620	3.27					
04-13	2100	13.97	1,750	3.47	04-21	2400	3.06	98.0	4.74
04-13	2400	11.72	1,280	3.60					
					04-22	2400	3.14	109	4.82

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02476600, Okatibbee Creek at Arundel, Miss.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
03-01	0100	11.07	1,740	0.00
03-01	2400	11.17	1,770	0.18
03-02	1200	10.70	1,630	0.27
03-02	2400	10.36	1,530	0.36
03-03	0600	10.69	1,630	0.40
03-03	1200	11.86	2,000	0.45
03-03	1800	14.19	2,820	0.51
03-03	2100	18.93	8,380	0.59
03-03	2400	19.84	11,600	0.73
03-04	0300	20.02	12,400	0.89
03-04	0600	20.15	13,000	1.06
03-04	1200	20.69	15,600	1.45
03-04	1330	20.71	15,700	1.56
03-04	1800	20.35	13,900	1.86
03-04	2400	19.37	9,850	2.18
03-05	0600	18.29	6,580	2.41
03-05	1200	17.29	4,510	2.56
03-05	1800	16.48	3,850	2.67
03-05	2400	15.82	3,500	2.77
03-06	1200	14.77	3,050	2.95
03-06	2400	14.07	2,780	3.11
03-07	1200	13.51	2,570	3.25
03-07	2400	13.11	2,420	3.39
03-08	1200	12.85	2,330	3.52
03-08	2400	12.59	2,240	3.64
03-09	2400	12.12	2,080	3.88
03-10	2400	12.00	2,040	4.10
03-11	2400	11.83	1,980	4.32
03-12	2400	11.56	1,900	4.53
03-13	2400	11.36	1,830	4.73
03-14	2400	11.19	1,780	4.93
03-15	2400	10.99	1,720	5.12
03-16	2400	10.84	1,670	5.30
03-17	2400	10.73	1,640	5.48
03-18	2400	10.63	1,610	5.66
03-19	2400	10.53	1,580	5.83
03-20	2400	10.47	1,560	6.00
03-21	2400	10.39	1,540	6.17
03-22	2400	9.48	1,280	6.33
03-23	2400	9.47	1,280	6.47
03-24	2400	9.91	1,400	6.61
03-25	2400	10.29	1,510	6.77
03-26	2400	10.40	1,540	6.94
03-27	2400	10.37	1,530	7.10
03-28	2400	10.30	1,510	7.27
03-29	2400	10.22	1,490	7.43
03-30	2400	10.15	1,470	7.59
03-31	2400	7.92	887	7.72
04-01	2400	6.50	585	7.80
04-02	2400	9.43	1,270	7.90
04-03	1200	12.69	2,280	8.00
04-03	2400	14.10	2,790	8.14

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02476600, Okatibbee Creek at Arundel, Miss.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
04-04	0600	15.09	3,180	8.22
04-04	1200	16.19	3,680	8.31
04-04	1730	16.44	3,820	8.40
04-04	2400	16.38	3,790	8.52
04-05	1200	14.71	3,020	8.70
04-05	2400	12.36	2,160	8.84
04-06	1200	10.56	1,590	8.94
04-06	2400	9.91	1,400	9.03
04-07	2400	9.15	1,190	9.17
04-08	1200	9.74	1,350	9.23
04-08	1800	11.96	2,030	9.28
04-08	2400	13.01	2,390	9.34
04-09	0600	14.00	2,750	9.41
04-09	1130	14.44	2,920	9.48
04-09	1800	14.01	2,760	9.57
04-09	2400	13.15	2,440	9.64
04-10	1200	10.40	1,540	9.74
04-10	2400	8.85	1,110	9.82
04-11	2400	8.46	1,020	9.93
04-12	0600	8.61	1,050	9.96
04-12	1200	9.70	1,340	9.99
04-12	1400	11.14	1,760	10.01
04-12	1600	11.95	2,020	10.02
04-12	1800	12.54	2,220	10.04
04-12	2000	13.12	2,430	10.06
04-12	2400	14.24	2,840	10.11
04-13	0400	15.62	3,400	10.17
04-13	0600	18.78	7,920	10.22
04-13	0800	19.38	9,880	10.30
04-13	1200	19.86	11,700	10.50
04-13	1500	20.78	16,100	10.69
04-13	1830	21.51	20,500	10.98
04-13	2400	20.80	16,200	11.43
04-14	0600	19.55	10,500	11.80
04-14	1200	18.54	7,240	12.04
04-14	1800	17.55	4,880	12.20
04-14	2400	16.78	4,040	12.32
04-15	1200	15.55	3,370	12.52
04-15	2400	14.51	2,950	12.70
04-16	2400	13.03	2,400	12.99
04-17	2400	12.24	2,120	13.23
04-18	2400	11.83	1,980	13.46
04-19	2400	11.53	1,890	13.67
04-20	2400	11.34	1,830	13.87
04-21	2400	11.18	1,780	14.07
04-22	2400	11.12	1,760	14.26

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02477000, Chickasawhay River at Enterprise, Miss.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
03-01	0100	17.31	4,400	0.00
03-01	1200	16.74	4,160	0.07
03-01	2400	16.55	4,080	0.16
03-02	1200	16.12	3,900	0.24
03-02	2400	15.84	3,780	0.32
03-03	0600	18.55	4,940	0.36
03-03	0900	20.89	6,130	0.39
03-03	1200	25.68	10,000	0.43
03-03	1500	27.44	11,900	0.49
03-03	1800	29.37	14,200	0.55
03-03	2400	30.53	15,800	0.71
03-04	0300	30.97	16,400	0.79
03-04	0600	31.12	16,600	0.87
03-04	0900	32.62	19,000	0.96
03-04	1200	33.80	20,900	1.07
03-04	1500	35.23	23,800	1.18
03-04	1800	37.03	28,600	1.31
03-04	2100	38.82	34,600	1.47
03-04	2400	40.39	40,900	1.67
03-05	0300	41.37	46,300	1.89
03-05	0700	41.88	49,700	2.21
03-05	0900	41.85	49,500	2.38
03-05	1200	41.61	47,900	2.63
03-05	1500	41.35	46,200	2.87
03-05	1800	40.90	43,500	3.10
03-05	2100	40.25	40,200	3.31
03-05	2400	39.50	37,100	3.51
03-06	0600	37.76	31,000	3.86
03-06	1200	35.24	23,800	4.13
03-06	1800	32.69	19,100	4.35
03-06	2400	30.39	15,600	4.53
03-07	0600	28.10	12,600	4.67
03-07	1200	26.00	10,300	4.79
03-07	1800	23.43	8,190	4.88
03-07	2400	21.75	6,790	4.96
03-08	1200	19.67	5,450	5.08
03-08	2400	18.46	4,900	5.19
03-09	2400	16.72	4,150	5.37
03-10	2400	15.29	3,560	5.53
03-11	2400	14.78	3,350	5.67
03-12	2400	14.09	3,090	5.80
03-13	2400	13.44	2,840	5.92
03-14	2400	13.08	2,700	6.04
03-15	2400	12.74	2,580	6.15
03-16	2400	12.41	2,460	6.25
03-17	2400	12.22	2,390	6.35
03-18	2400	12.06	2,340	6.44
03-19	2400	11.89	2,280	6.54
03-20	2400	11.76	2,230	6.63
03-21	2400	11.64	2,190	6.72
03-22	2400	11.64	2,190	6.81
03-23	2400	13.02	2,680	6.91
03-24	2400	13.17	2,740	7.02
03-25	2400	12.20	2,380	7.12
03-26	2400	11.80	2,240	7.22
03-27	2400	11.59	2,170	7.31
03-28	2400	11.47	2,130	7.39

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02477000, Chickasawhay River at Enterprise, Miss.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
03-29	2400	11.31	2,060	7.48
03-30	2400	11.21	2,020	7.56
03-31	2400	10.63	1,790	7.64
04-01	2400	9.15	1,200	7.70
04-02	1200	9.10	1,190	7.73
04-02	1800	10.50	1,740	7.74
04-02	2400	14.01	3,060	7.76
04-03	0300	16.00	3,850	7.78
04-03	0600	18.05	4,720	7.80
04-03	1200	19.07	5,180	7.85
04-03	1800	20.60	5,960	7.91
04-03	2400	21.54	6,620	7.98
04-04	1200	23.84	8,560	8.13
04-04	2400	24.64	9,200	8.31
04-05	1200	24.95	9,440	8.50
04-05	2100	25.10	9,560	8.65
04-05	2400	25.05	9,520	8.69
04-06	1200	24.20	8,850	8.88
04-06	2400	22.18	7,140	9.04
04-07	1200	19.88	5,540	9.17
04-07	2400	17.21	4,360	9.27
04-08	1200	15.38	3,590	9.36
04-08	2400	17.01	4,270	9.44
04-09	1200	19.09	5,180	9.53
04-09	2400	19.95	5,580	9.64
04-10	1200	19.98	5,590	9.75
04-10	2400	18.57	4,950	9.86
04-11	1200	17.26	4,380	9.96
04-11	2400	15.81	3,770	10.04
04-12	1200	13.63	2,910	10.11
04-12	1800	14.65	3,300	10.14
04-12	2400	17.82	4,620	10.18
04-13	0300	21.21	6,360	10.21
04-13	0600	22.60	7,490	10.24
04-13	0900	24.00	8,700	10.28
04-13	1200	25.00	9,480	10.33
04-13	1500	26.47	10,800	10.38
04-13	1800	28.00	12,500	10.44
04-13	2100	31.84	17,800	10.52
04-13	2400	34.00	21,200	10.62
04-14	0300	36.00	25,500	10.74
04-14	0600	39.05	35,400	10.89
04-14	0900	40.04	39,200	11.08
04-14	1200	41.05	44,300	11.30
04-14	1500	41.81	49,200	11.53
04-14	1800	41.90	49,800	11.79
04-14	2100	41.68	48,300	12.04
04-14	2400	41.17	45,000	12.27
04-15	0600	39.80	38,200	12.70
04-15	1800	36.00	25,500	13.35
04-15	2400	33.80	20,900	13.58
04-16	0600	31.20	16,800	13.77
04-16	1200	28.83	13,500	13.93
04-16	2400	24.04	8,730	14.15
04-17	1200	20.71	6,020	14.30
04-17	2400	18.84	5,070	14.42
04-18	2400	16.57	4,080	14.60
04-19	2400	14.90	3,400	14.76
04-20	2400	13.90	3,010	14.89
04-21	2400	13.42	2,830	15.01
04-22	2400	13.08	2,700	15.12

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02478500, Chickasawhay River at Leakesville, Miss.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
03-01	0100	24.75	18,600	0.00					
03-01	2400	24.36	17,700	0.24					
03-02	2400	24.23	17,500	0.48	03-14	1200	27.37	26,400	6.26
					03-14	2400	26.29	22,900	6.43
03-03	1200	24.82	18,800	0.60					
03-03	2400	27.62	27,400	0.76	03-15	1500	24.04	17,000	6.60
					03-15	2400	22.39	14,000	6.68
03-04	1200	28.67	32,800	0.97					
03-04	2400	28.81	33,700	1.20	03-16	1200	20.53	10,900	6.77
					03-16	2400	19.40	9,230	6.84
03-05	1200	29.06	35,200	1.44					
03-05	2400	29.23	36,200	1.69	03-17	2400	18.34	7,760	6.96
03-06	1200	29.30	36,600	1.94	03-18	2400	17.74	6,980	7.06
03-06	2400	29.30	36,600	2.19					
					03-19	2400	17.27	6,400	7.15
03-07	1200	29.28	36,500	2.44					
03-07	2400	29.32	36,700	2.70	03-20	2400	16.92	5,970	7.24
03-08	1200	29.51	37,900	2.96	03-21	2400	16.62	5,610	7.32
03-08	2400	29.81	40,000	3.23					
					03-22	2400	16.70	5,710	7.39
03-09	0600	30.00	41,300	3.37					
03-09	1200	30.19	42,600	3.51	03-23	1200	17.75	7,000	7.44
03-09	1800	30.33	43,700	3.66	03-23	2400	19.55	9,440	7.50
03-09	2400	30.48	44,900	3.81					
					03-24	2400	20.70	11,200	7.64
03-10	0600	30.53	45,400	3.97					
03-10	1200	30.59	45,800	4.13	03-25	2400	19.46	9,310	7.78
03-10	1800	30.66	46,300	4.29					
03-10	2400	30.66	46,300	4.45	03-26	2400	18.32	7,740	7.90
03-11	0800	30.57	45,700	4.66	03-27	2400	17.51	6,680	8.00
03-11	1600	30.43	44,600	4.87					
03-11	2400	30.16	42,400	5.07	03-28	2400	16.69	5,700	8.08
03-12	1200	29.72	39,300	5.35	03-29	2400	16.08	5,000	8.16
03-12	2400	29.23	36,200	5.61					
					03-30	2400	15.73	4,650	8.22
03-13	1200	28.70	33,000	5.85					
03-13	2400	28.12	29,700	6.07	03-31	2400	15.51	4,430	8.29

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02478500, Chickasawhay River at Leakesville, Miss.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
04-01	2400	15.45	4,380	8.35	04-14	2400	22.22	13,700	12.62
04-02	0100	15.45	4,380	8.35	04-15	2400	21.39	12,300	12.80
04-02	2400	15.58	4,500	8.41	04-16	2400	21.70	12,800	12.97
04-03	2400	23.12	15,100	8.54	04-17	2400	22.79	14,700	13.16
04-04	1200	26.95	24,800	8.68	04-18	2400	24.24	17,500	13.38
04-04	2400	28.39	31,100	8.88	04-19	2400	25.70	21,100	13.65
04-05	1200	29.20	36,000	9.11	04-20	2400	26.85	24,600	13.97
04-05	2400	29.75	39,600	9.37	04-21	2400	27.02	25,100	14.31
04-06	0500	29.85	40,200	9.48	04-22	2400	26.21	22,600	14.64
04-06	2400	29.55	38,200	9.91	04-23	1200	25.16	19,600	14.79
04-07	1200	29.16	35,800	10.17	04-23	2400	23.03	15,100	14.91
04-07	2400	28.76	33,400	10.41	04-24	2400	19.16	8,890	15.07
04-08	1200	28.39	31,100	10.63	04-25	2400	18.66	8,190	15.19
04-08	2400	28.02	29,200	10.84	04-26	2400	18.72	8,280	15.30
04-09	1200	27.64	27,500	11.04	04-27	2400	18.58	8,080	15.42
04-09	2400	27.25	25,900	11.22	04-28	2400	18.18	7,550	15.52
04-10	1200	26.92	24,800	11.40	04-29	2400	17.50	6,770	15.62
04-10	2400	26.61	23,800	11.56	04-30	2400	16.23	5,170	15.71
04-11	2400	25.99	22,000	11.88					
04-12	2400	24.95	19,100	12.16					
04-13	2400	23.65	16,300	12.41					

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02482000, Pearl River at Edinburg, Miss.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
03-03	0100	20.26	5,450	0.00	03-16	1200	11.99	1,700	4.91
03-03	0800	20.76	5,890	0.06	03-16	2400	11.67	1,610	4.94
03-03	1600	21.97	7,170	0.15					
03-03	2400	23.06	8,770	0.26	03-17	1200	11.39	1,530	4.97
					03-17	2400	11.14	1,470	5.00
03-04	0800	23.71	10,100	0.39					
03-04	1600	24.32	11,700	0.54	03-18	1200	10.88	1,400	5.03
03-04	2400	25.45	17,200	0.74	03-18	2400	10.61	1,330	5.06
03-05	0800	26.05	22,100	1.02	03-19	1200	10.30	1,260	5.09
03-05	1600	26.33	25,000	1.34	03-19	2400	10.00	1,180	5.11
03-05	2100	26.45	26,300	1.56					
03-05	2400	26.40	25,800	1.70	03-20	1200	9.67	1,110	5.14
					03-20	2400	9.37	1,050	5.16
03-06	0800	26.37	25,400	2.05					
03-06	1600	26.14	23,000	2.38	03-21	1200	9.06	984	5.18
03-06	2400	25.81	20,000	2.68	03-21	2400	8.76	924	5.20
03-07	0800	25.43	17,100	2.94	03-22	1200	8.50	873	5.22
03-07	1600	24.91	14,000	3.15	03-22	2400	8.53	879	5.24
03-07	2400	24.35	11,800	3.33					
					03-23	1200	9.85	1,150	5.26
03-08	1200	23.51	9,620	3.55	03-23	2400	9.78	1,130	5.28
03-08	2400	22.60	8,040	3.74					
					03-24	1200	10.19	1,230	5.31
03-09	1200	21.66	6,800	3.89	03-24	2400	10.59	1,330	5.33
03-09	2400	20.85	5,970	4.02					
					03-25	1200	10.51	1,310	5.36
03-10	1200	20.06	5,290	4.14	03-25	2400	10.18	1,230	5.39
03-10	2400	19.41	4,840	4.24					
					03-26	1200	9.81	1,140	5.41
03-11	1200	18.66	4,380	4.34	03-26	2400	9.60	1,100	5.43
03-11	2400	17.91	3,980	4.42					
					03-27	2400	9.39	1,050	5.48
03-12	1200	17.12	3,590	4.50					
03-12	2400	16.30	3,230	4.57	03-28	2400	9.37	1,050	5.52
03-13	1200	15.46	2,880	4.64	03-29	2400	9.40	1,050	5.57
03-13	2400	14.68	2,580	4.69					
					03-30	2400	9.38	1,050	5.61
03-14	1200	13.99	2,330	4.74					
03-14	2400	13.39	2,130	4.79	03-31	2400	9.20	1,010	5.65
03-15	0200	12.83	1,950	4.80					
03-15	2400	12.38	1,810	4.87	04-01	2400	8.86	944	5.69

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02482000, Pearl River at Edinburg, Miss.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
04-02	1200	8.79	930	5.71
04-02	2400	9.21	1,010	5.73
04-03	1200	11.84	1,660	5.76
04-03	2400	12.45	1,830	5.80
04-04	1200	15.43	2,870	5.84
04-04	2400	16.01	3,100	5.91
04-05	1200	16.77	3,430	5.97
04-05	2400	17.44	3,750	6.05
04-06	1200	17.66	3,860	6.13
04-06	2400	17.44	3,750	6.21
04-07	1200	17.16	3,610	6.28
04-07	2400	17.34	3,700	6.36
04-08	1200	18.15	4,110	6.44
04-08	2400	19.31	4,770	6.53
04-09	1200	19.51	4,900	6.63
04-09	2400	19.70	5,030	6.73
04-10	1200	19.94	5,200	6.84
04-10	1900	20.00	5,240	6.90
04-10	2400	19.97	5,220	6.95
04-11	1200	19.74	5,060	7.05
04-11	2400	19.40	4,830	7.16
04-12	0800	20.52	5,660	7.23
04-12	1600	24.41	12,000	7.35
04-12	2400	25.85	20,300	7.57
04-13	0800	26.45	26,100	7.89
04-13	1600	27.37	38,600	8.34
04-13	2400	28.77	58,700	9.01
04-14	0400	29.41	68,100	9.45
04-14	0800	29.62	71,300	9.93
04-14	1200	29.96	76,300	10.44
04-14	1500	30.06	77,900	10.84
04-14	1900	30.00	77,000	11.37
04-14	2400	29.83	74,400	12.03
04-15	0800	29.41	68,100	13.01
04-15	1600	28.87	60,200	13.90
04-15	2400	28.39	53,200	14.68
04-16	1200	27.52	40,800	15.65
04-16	2400	26.63	28,500	16.37
04-17	1200	25.75	19,500	16.87
04-17	2400	24.76	13,300	17.21
04-18	1200	23.68	10,000	17.45
04-18	2400	22.59	8,020	17.64
04-19	1200	21.53	6,640	17.79
04-19	2400	20.63	5,760	17.92
04-20	1200	19.76	5,070	18.03
04-20	2400	18.91	4,520	18.13
04-21	1200	18.05	4,060	18.22
04-21	2400	17.10	3,580	18.30
04-22	1200	16.06	3,130	18.37
04-22	2400	15.11	2,740	18.43
04-23	1200	14.33	2,450	18.48
04-23	2400	13.68	2,230	18.53
04-24	1200	13.16	2,050	18.57
04-24	2400	12.77	1,930	18.61
04-25	1200	12.41	1,820	18.65
04-25	2400	12.11	1,720	18.69
04-26	1200	11.82	1,620	18.72
04-26	2400	11.55	1,540	18.76
04-27	1200	11.25	1,450	18.79
04-27	2400	10.96	1,360	18.82
04-28	1200	10.64	1,270	18.84
04-28	2400	10.35	1,190	18.87

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02482550, Pearl River at Carthage, Miss.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
03-03	0100	19.40	9,730	0.00
03-03	1200	20.83	11,100	0.13
03-03	2400	22.45	15,600	0.31
03-04	0300	22.49	15,800	0.37
03-04	1200	22.45	15,600	0.53
03-04	2400	22.68	16,800	0.75
03-05	1200	23.04	18,900	1.00
03-05	2400	23.78	25,100	1.30
03-06	0800	24.21	29,500	1.55
03-06	1500	24.35	31,000	1.80
03-06	2400	24.29	30,400	2.11
03-07	1200	24.00	27,300	2.51
03-07	2400	23.60	23,400	2.86
03-08	1200	23.13	19,500	3.16
03-08	2400	22.57	16,200	3.41
03-09	1200	21.84	13,500	3.61
03-09	2400	20.95	11,400	3.78
03-10	1200	20.04	9,670	3.93
03-10	2400	19.32	8,540	4.05
03-11	1200	18.61	7,630	4.17
03-11	2400	17.88	6,860	4.27
03-12	1200	17.18	6,170	4.36
03-12	2400	16.50	5,570	4.44
03-13	1200	15.87	5,060	4.51
03-13	2400	15.26	4,590	4.58
03-14	1200	14.65	4,150	4.64
03-14	2400	14.07	3,750	4.69
03-15	1200	13.48	3,370	4.74
03-15	2400	12.92	3,030	4.79
03-16	1200	12.43	2,750	4.82
03-16	2400	11.99	2,510	4.86
03-17	1200	11.64	2,330	4.89
03-17	2400	11.33	2,180	4.93
03-18	1200	11.08	2,060	4.96
03-18	2400	10.88	1,960	4.98
03-19	1200	10.63	1,850	5.01
03-19	2400	10.41	1,750	5.03
03-20	1200	10.17	1,670	5.06
03-20	2400	9.94	1,590	5.08
03-21	1200	9.70	1,510	5.10
03-21	2400	9.48	1,440	5.12
03-22	1200	9.26	1,360	5.14
03-22	2400	9.45	1,430	5.16
03-23	1200	10.10	1,640	5.18
03-23	2400	10.70	1,880	5.21
03-24	1200	11.09	2,060	5.23
03-24	2400	11.26	2,140	5.26
03-25	0800	11.30	2,160	5.28
03-25	1600	11.33	2,180	5.30
03-25	2400	11.31	2,160	5.32

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02482550, Pearl River at Carthage, Miss.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
03-26	1200	11.10	2,060	5.35	04-06	1200	15.28	4,610	5.99
03-26	2400	10.84	1,940	5.38	04-06	2400	15.55	4,810	6.06
03-27	1200	10.55	1,820	5.40	04-07	0800	15.66	4,900	6.10
03-27	2400	10.36	1,740	5.43	04-07	1600	15.71	4,940	6.15
03-28	1200	10.10	1,640	5.45	04-07	2400	15.71	4,940	6.19
03-28	2400	9.84	1,560	5.47	04-08	0800	15.70	4,930	6.24
03-29	1200	9.60	1,480	5.50	04-08	1600	16.51	5,580	6.28
03-29	2400	9.49	1,440	5.52	04-08	2400	17.22	6,210	6.34
03-30	1200	9.39	1,410	5.54	04-09	1200	17.86	6,840	6.43
03-30	2400	9.36	1,400	5.55	04-09	2400	18.25	7,240	6.53
03-31	1200	9.29	1,380	5.57	04-10	1200	18.46	7,460	6.63
03-31	2400	9.24	1,360	5.59	04-10	2400	18.38	7,370	6.73
04-01	1200	9.16	1,330	5.61	04-11	1200	18.23	7,220	6.83
04-01	2400	9.07	1,310	5.63	04-11	2400	18.25	7,240	6.93
04-02	1200	9.04	1,300	5.65	04-12	0300	18.60	7,620	6.96
04-02	2400	9.36	1,400	5.67	04-12	0600	19.08	8,210	6.98
04-03	0800	10.68	1,870	5.68	04-12	0800	19.51	8,820	7.00
04-03	1600	11.35	2,180	5.70	04-12	0900	19.88	9,400	7.01
04-03	2400	11.93	2,480	5.72	04-12	1000	20.26	10,100	7.02
04-04	1200	13.89	3,630	5.76	04-12	1100	20.65	10,800	7.04
04-04	2400	14.19	3,830	5.82	04-12	1200	21.06	11,600	7.05
04-05	1200	14.54	4,070	5.87	04-12	1300	21.46	12,500	7.06
04-05	2400	14.95	4,360	5.93	04-12	1400	21.85	13,600	7.08
					04-12	1500	22.21	14,600	7.09
					04-12	1600	22.57	16,200	7.11
					04-12	1700	22.85	17,800	7.13
					04-12	1800	23.09	19,200	7.15

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02482550, Pearl River at Carthage, Miss.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
04-12	1900	23.34	21,200	7.18	04-18	0900	23.63	26,700	17.83
04-12	2000	23.63	23,700	7.20	04-18	1200	23.48	25,200	17.92
04-12	2100	24.09	28,200	7.23	04-18	1500	23.32	23,800	18.00
04-12	2200	24.57	33,600	7.27	04-18	1800	23.18	22,600	18.08
04-12	2300	25.06	39,800	7.31	04-18	2100	23.00	21,200	18.16
04-12	2400	25.50	45,900	7.36	04-18	2400	22.84	20,200	18.23
04-13	0100	25.91	52,000	7.42	04-19	0300	22.65	19,100	18.30
04-13	0200	26.26	57,500	7.48	04-19	0600	22.48	18,100	18.36
04-13	0300	26.54	61,900	7.55	04-19	1000	22.20	16,900	18.44
04-13	0400	26.78	65,900	7.62	04-19	1300	21.97	15,900	18.50
04-13	0600	27.18	72,800	7.78	04-19	1700	21.66	15,000	18.57
04-13	0800	27.44	77,400	7.95	04-19	2000	21.41	14,200	18.62
04-13	1100	27.70	82,200	8.23	04-19	2400	21.06	13,300	18.68
04-13	2400	27.86	85,200	9.48	04-20	0300	20.79	12,600	18.73
04-14	0900	28.17	90,800	10.39	04-20	0700	20.45	11,700	18.79
04-14	1300	28.46	96,200	10.82	04-20	1100	20.12	11,000	18.84
04-14	2400	28.74	102,000	12.08	04-20	1400	19.80	10,400	18.87
04-15	0700	28.49	96,800	12.88	04-20	1800	19.48	9,860	18.92
04-15	1200	28.21	91,500	13.42	04-20	2300	19.08	9,240	18.98
04-15	1600	27.94	86,700	13.83	04-20	2400	19.00	9,120	18.99
04-15	2000	27.65	81,900	14.22	04-21	1200	18.11	7,850	19.10
04-15	2400	27.38	77,700	14.58	04-21	2400	17.22	6,880	19.21
04-16	0400	27.07	73,100	14.93	04-22	1200	16.40	6,070	19.29
04-16	0800	26.80	69,100	15.26	04-22	2400	15.65	5,380	19.37
04-16	1200	26.51	64,900	15.57	04-23	1200	15.04	4,840	19.44
04-16	1500	26.28	61,600	15.79	04-23	2400	14.36	4,280	19.51
04-16	1800	26.04	58,200	15.99	04-24	1200	13.73	3,820	19.56
04-16	2100	25.81	55,000	16.19	04-24	2400	13.23	3,490	19.61
04-16	2400	25.60	52,100	16.37	04-25	1200	12.81	3,220	19.66
04-17	0300	25.40	49,300	16.55	04-25	2400	12.48	3,030	19.70
04-17	0600	25.18	46,300	16.71	04-26	1200	12.18	2,850	19.74
04-17	1000	24.94	43,100	16.92	04-26	2400	11.93	2,710	19.78
04-17	1300	24.77	40,800	17.06	04-27	1200	11.67	2,570	19.82
04-17	1600	24.58	38,300	17.20	04-27	2400	11.42	2,440	19.85
04-17	1900	24.41	36,000	17.33	04-28	1200	11.14	2,300	19.89
04-17	2200	24.24	33,800	17.45	04-28	2400	10.87	2,170	19.92
04-17	2400	24.13	32,400	17.52					
04-18	0300	23.95	30,200	17.63					
04-18	0600	23.79	28,400	17.73					

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02483000, Tuscolameta Creek at Walnut Grove, Miss.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
03-02	0100	19.74	1,830	0.00	03-08	0800	17.89	1,090	4.78
03-02	0800	18.91	1,580	0.04	03-08	1600	16.70	864	4.81
03-02	1600	18.39	1,400	0.08	03-08	2400	15.86	717	4.83
03-02	2400	19.38	1,640	0.13					
					03-09	1200	15.10	592	4.86
03-03	0300	22.14	2,720	0.16	03-09	2400	14.63	519	4.89
03-03	0600	24.05	3,670	0.19					
03-03	0900	25.02	4,390	0.24	03-10	1200	14.34	473	4.91
03-03	1200	26.01	5,920	0.30	03-10	2400	15.07	584	4.94
03-03	1500	26.33	6,800	0.37					
03-03	1800	26.50	7,410	0.45	03-11	1200	15.31	640	4.96
03-03	2100	26.48	7,450	0.53	03-11	2400	15.14	629	4.99
03-03	2400	26.36	7,240	0.62					
					03-12	1200	14.80	598	5.02
03-04	0300	26.62	8,090	0.70	03-12	2400	14.38	517	5.05
03-04	0600	27.10	9,600	0.80					
03-04	0900	27.68	11,600	0.92	03-13	1200	14.05	456	5.07
03-04	1200	28.19	14,100	1.07	03-13	2400	13.80	423	5.09
03-04	1500	28.69	16,500	1.24					
03-04	1800	29.22	19,900	1.45	03-14	1200	13.66	395	5.11
03-04	2100	29.62	22,600	1.69	03-14	2400	13.55	375	5.12
03-04	2400	29.79	23,900	1.95					
					03-15	1200	13.32	339	5.14
03-05	0200	29.82	24,100	2.13	03-15	2400	13.13	312	5.15
03-05	0500	29.69	23,200	2.40					
03-05	0800	29.51	21,900	2.65	03-16	1200	12.95	287	5.17
03-05	1100	29.22	19,900	2.89	03-16	2400	12.83	272	5.18
03-05	1400	28.90	17,800	3.10					
03-05	1700	28.55	15,800	3.29	03-17	1200	12.74	260	5.19
03-05	2100	28.08	13,500	3.51	03-17	2400	12.67	249	5.20
03-05	2400	27.74	11,800	3.66					
					03-18	1200	12.64	247	5.21
03-06	0400	27.31	10,100	3.82	03-18	2400	12.59	240	5.23
03-06	0800	26.94	8,870	3.97					
03-06	1200	26.62	7,820	4.09	03-19	1200	12.57	239	5.24
03-06	1600	26.38	7,050	4.20	03-19	2400	12.50	235	5.25
03-06	2000	26.17	6,400	4.31					
03-06	2400	25.99	5,890	4.40	03-20	1200	12.48	226	5.26
					03-20	2400	12.42	221	5.27
03-07	0600	25.64	5,080	4.52					
03-07	1200	24.47	3,820	4.62	03-21	1200	12.38	214	5.28
03-07	1800	22.01	2,460	4.69	03-21	2400	12.38	215	5.29
03-07	2400	19.93	1,640	4.74					

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02483000, Tuscolameta Creek at Walnut Grove, Miss.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
03-22	1200	12.39	219	5.30
03-22	2400	14.36	446	5.31
03-23	0800	17.52	1,070	5.34
03-23	1400	18.05	1,280	5.36
03-23	1900	17.90	1,320	5.39
03-23	2400	17.76	1,340	5.41
03-24	1200	17.55	1,360	5.47
03-24	2400	16.63	1,120	5.53
03-25	1200	15.17	731	5.57
03-25	2400	14.17	509	5.60
03-26	1200	13.49	388	5.62
03-26	2400	13.02	316	5.63
03-27	1200	12.74	281	5.65
03-27	2400	12.56	251	5.66
03-28	1200	12.44	232	5.67
03-28	2400	12.33	219	5.68
03-29	1200	12.25	221	5.69
03-29	2400	12.16	205	5.70
03-30	1200	12.13	193	5.71
03-30	2400	12.08	186	5.72
03-31	1200	12.08	187	5.73
03-31	2400	12.12	191	5.74
04-01	1200	12.14	197	5.74
04-01	2400	12.21	202	5.75
04-02	0800	12.46	228	5.76
04-02	1600	14.51	568	5.77
04-02	2400	17.89	1,240	5.80
04-03	0800	22.60	2,970	5.86
04-03	1600	23.05	3,230	5.96
04-03	2400	25.00	4,430	6.07
04-04	1200	25.50	5,200	6.29
04-04	2400	26.02	6,170	6.55
04-05	1200	26.23	6,670	6.84
04-05	2400	26.08	6,220	7.13
04-06	1200	25.84	5,590	7.40
04-06	2400	25.10	4,370	7.62
04-07	0800	22.41	2,700	7.73
04-07	1600	19.20	1,440	7.79
04-07	2400	16.69	863	7.83
04-08	0800	15.40	667	7.85
04-08	1600	20.06	1,840	7.89
04-08	2400	21.98	2,650	7.95
04-09	1200	22.95	3,160	8.09
04-09	2400	22.82	3,160	8.23
04-10	1200	22.81	3,190	8.37
04-10	2400	22.06	2,820	8.51
04-11	1200	20.29	1,980	8.62
04-11	2400	17.88	1,210	8.69
04-12	0300	18.49	1,300	8.70
04-12	0600	19.26	1,460	8.72
04-12	0800	21.66	2,590	8.73
04-12	0900	23.30	3,350	8.75
04-12	1000	24.43	3,910	8.76
04-12	1100	25.17	4,460	8.77
04-12	1200	25.56	4,910	8.79
04-12	1300	25.79	5,320	8.81
04-12	1400	25.86	5,480	8.83
04-12	1500	25.82	5,430	8.85
04-12	1600	25.62	5,110	8.87
04-12	1700	25.35	4,840	8.89
04-12	1800	26.10	6,240	8.91
04-12	1900	26.41	7,140	8.94
04-12	2000	26.65	7,870	8.97
04-12	2100	26.87	8,560	9.00
04-12	2200	27.00	8,980	9.03
04-12	2300	27.02	9,070	9.06
04-12	2400	26.99	9,000	9.10

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02483000, Tuscolameta Creek at Walnut Grove, Miss.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
04-13	0100	26.98	9,010	9.13
04-13	0200	26.94	8,950	9.17
04-13	0300	26.94	9,010	9.20
04-13	0400	26.93	9,020	9.23
04-13	0600	26.96	9,170	9.30
04-13	0800	27.12	9,700	9.37
04-13	1100	27.62	11,400	9.49
04-13	2400	29.71	23,300	10.34
04-14	0300	29.76	23,600	10.61
04-14	1300	29.40	21,000	11.45
04-14	2400	28.39	14,900	12.19
04-15	0700	27.67	11,500	12.54
04-15	1200	27.24	9,810	12.74
04-15	1600	26.92	8,760	12.88
04-15	2000	26.67	7,920	13.01
04-15	2400	26.45	7,230	13.12
04-16	0400	26.26	6,630	13.23
04-16	0800	26.11	6,160	13.32
04-16	1200	25.90	5,580	13.41
04-16	1500	25.64	5,020	13.47
04-16	1800	25.11	4,280	13.53
04-16	2100	24.14	3,490	13.57
04-16	2400	22.81	2,750	13.61
04-17	0300	21.52	2,160	13.63
04-17	0600	20.27	1,700	13.65
04-17	1000	19.01	1,310	13.68
04-17	1300	18.13	1,100	13.69
04-17	1600	17.37	950	13.70
04-17	1900	16.75	832	13.71
04-17	2200	16.28	750	13.72
04-17	2400	16.01	703	13.73
04-18	0300	15.61	638	13.73
04-18	0600	15.17	573	13.74
04-18	0900	14.85	528	13.75
04-18	1200	14.63	498	13.75
04-18	1500	14.47	474	13.76
04-18	1800	14.33	454	13.76
04-18	2100	14.20	438	13.77
04-18	2400	14.08	421	13.77
04-19	0300	13.97	405	13.78
04-19	0600	13.87	392	13.78
04-19	1000	13.78	380	13.79
04-19	1300	13.46	345	13.79
04-19	1700	13.34	332	13.80
04-19	2000	13.28	324	13.80
04-19	2400	13.22	317	13.81
04-20	0300	13.20	313	13.81
04-20	0700	13.16	307	13.82
04-20	1100	13.10	299	13.82
04-20	1400	13.07	294	13.82
04-20	1800	13.02	289	13.83
04-20	2300	12.97	282	13.83
04-20	2400	12.97	282	13.83
04-21	1200	12.87	271	13.85
04-21	2400	12.73	255	13.86
04-22	1200	12.65	245	13.87
04-22	2400	12.65	246	13.88
04-23	1200	12.76	262	13.89
04-23	2400	12.97	291	13.91
04-24	1200	13.28	347	13.92
04-24	2400	13.48	397	13.94
04-25	1200	13.51	420	13.95
04-25	2400	13.46	415	13.97
04-26	1200	13.31	400	13.99
04-26	2400	13.29	371	14.01
04-27	1200	13.28	415	14.03
04-27	2400	13.06	428	14.05
04-28	1200	12.79	342	14.06
04-28	2400	12.57	280	14.08

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02484000, Yockanookany River near Kosciusko, Miss.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
03-03	0100	9.87	898	0.00
03-03	0800	11.56	1,490	0.04
03-03	1600	13.42	3,510	0.13
03-03	2400	14.31	5,070	0.30
03-04	0700	14.58	5,600	0.49
03-04	1600	14.42	5,280	0.73
03-04	2400	14.43	5,300	0.94
03-05	0800	14.91	6,300	1.17
03-05	1600	15.20	6,970	1.43
03-05	2400	15.05	6,610	1.70
03-06	0800	14.68	5,800	1.94
03-06	1600	14.21	4,870	2.15
03-06	2400	13.71	3,970	2.33
03-07	0800	13.16	3,130	2.47
03-07	1600	12.38	2,150	2.57
03-07	2400	11.35	1,380	2.64
03-08	1200	9.29	768	2.71
03-08	2400	8.58	635	2.75
03-09	1200	8.09	549	2.78
03-09	2400	7.69	483	2.81
03-10	1200	7.39	436	2.84
03-10	2400	7.79	499	2.87
03-11	1200	8.57	633	2.90
03-11	2400	8.95	703	2.94
03-12	1200	8.52	624	2.98
03-12	2400	7.96	527	3.02
03-13	1200	7.51	455	3.04
03-13	2400	7.13	397	3.07
03-14	1200	6.86	359	3.09
03-14	2400	6.63	327	3.11
03-15	1200	6.40	297	3.13
03-15	2400	6.17	268	3.15
03-16	1200	6.03	251	3.16
03-16	2400	5.97	244	3.18
03-17	1200	5.85	230	3.19
03-17	2400	5.77	220	3.20
03-18	1200	5.71	214	3.22
03-18	2400	5.64	206	3.23
03-19	1200	5.60	202	3.24
03-19	2400	5.55	196	3.25
03-20	1200	5.51	192	3.27
03-20	2400	5.46	187	3.28
03-21	1200	5.46	187	3.29
03-21	2400	5.43	183	3.30
03-22	1200	5.46	187	3.31
03-22	2400	7.71	486	3.33
03-23	0800	9.82	886	3.36
03-23	1600	11.62	1,520	3.40
03-23	2400	12.76	2,610	3.49
03-24	0600	12.92	2,810	3.57
03-24	1200	12.80	2,660	3.65
03-24	2400	12.52	2,310	3.79
03-25	1200	12.42	2,190	3.93
03-25	2400	12.17	1,930	4.05
03-26	0800	11.47	1,440	4.12
03-26	1600	9.93	912	4.16
03-26	2400	8.24	575	4.19
03-27	1200	7.09	392	4.22
03-27	2400	6.61	324	4.24
03-28	1200	6.32	285	4.26
03-28	2400	6.09	258	4.28
03-29	1200	5.92	238	4.29
03-29	2400	5.79	223	4.30

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02484000, Yockanookany River near Kosciusko, Miss.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
03-30	1200	5.69	212	4.32
03-30	2400	5.62	204	4.33
03-31	1200	5.57	198	4.34
03-31	2400	5.56	197	4.35
04-01	1200	5.91	236	4.37
04-01	2400	6.23	275	4.38
04-02	0800	6.70	337	4.39
04-02	1600	7.28	420	4.41
04-02	2400	8.33	590	4.43
04-03	0800	9.99	926	4.46
04-03	1600	11.07	1,260	4.50
04-03	2400	11.97	1,750	4.56
04-04	0800	12.44	2,220	4.64
04-04	1600	12.53	2,320	4.73
04-04	2400	12.62	2,430	4.82
04-05	0800	12.57	2,370	4.92
04-05	1600	12.40	2,170	5.01
04-05	2400	12.28	2,040	5.09
04-06	1200	12.09	1,860	5.21
04-06	2400	11.52	1,470	5.30
04-07	0800	10.46	1,050	5.35
04-07	1600	8.96	705	5.39
04-07	2400	7.96	527	5.41
04-08	0500	7.66	478	5.43
04-08	1200	9.64	845	5.45
04-08	2400	10.43	1,040	5.50
04-09	0800	11.58	1,500	5.55
04-09	1900	12.00	1,780	5.64
04-09	2400	11.98	1,760	5.69
04-10	0800	11.74	1,580	5.75
04-10	1600	11.29	1,360	5.81
04-10	2400	10.58	1,090	5.86
04-11	0800	9.66	849	5.90
04-11	1600	8.83	680	5.93
04-11	2400	8.24	575	5.95
04-12	0200	10.93	1,210	5.96
04-12	0500	14.70	5,840	6.01
04-12	1000	16.46	10,300	6.21
04-12	1300	17.92	14,800	6.40
04-12	1700	18.99	18,600	6.73
04-12	2100	19.39	20,200	7.11
04-12	2400	19.76	21,700	7.42
04-13	0300	20.28	24,000	7.76
04-13	0600	21.05	27,800	8.14
04-13	0900	21.76	31,800	8.58
04-13	1200	22.47	36,400	9.09
04-13	1500	22.91	39,600	9.65
04-13	1900	23.06	40,700	10.45
04-13	2200	22.98	40,100	11.04
04-13	2400	22.88	39,400	11.44
04-14	0400	22.53	36,800	12.19
04-14	0800	22.01	33,300	12.88
04-14	1200	21.45	30,000	13.51
04-14	1600	20.85	26,800	14.07
04-14	2000	20.23	23,800	14.57
04-14	2400	19.51	20,600	15.00
04-15	0600	18.36	16,300	15.55
04-15	1200	17.28	12,700	15.98
04-15	1800	16.33	9,910	16.31
04-15	2400	15.52	7,730	16.58
04-16	0600	14.82	6,100	16.78
04-16	1200	14.24	4,930	16.94
04-16	1800	13.73	4,000	17.08
04-16	2400	13.24	3,240	17.18
04-17	0600	12.62	2,430	17.27
04-17	1200	11.87	1,670	17.33
04-17	1800	10.89	1,200	17.37
04-17	2400	9.62	840	17.40

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02484000, Yockanookany River near Kosciusko, Miss.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
04-18	0800	8.29	583	17.43	04-24	0600	7.06	387	17.65
04-18	1600	7.64	475	17.45	04-24	1200	7.01	380	17.66
04-18	2400	7.22	411	17.47	04-24	2400	6.90	364	17.68
04-19	1200	6.73	341	17.49	04-25	1200	6.95	371	17.70
04-19	2400	6.49	308	17.51	04-25	2000	7.14	399	17.72
04-20	1200	6.29	283	17.53	04-25	2400	7.10	393	17.73
04-20	2400	6.13	263	17.54	04-26	1200	7.02	381	17.75
04-21	1200	5.97	244	17.56	04-26	2400	6.77	346	17.77
04-21	2400	5.88	233	17.57	04-27	1200	6.39	296	17.79
04-22	1200	5.79	223	17.59	04-27	2400	6.03	251	17.81
04-22	2400	5.98	245	17.60	04-28	1200	5.72	215	17.82
04-23	1200	6.63	327	17.62	04-28	2400	5.45	186	17.83
04-23	2400	7.03	383	17.64					

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02484500, Yockanookany River near Ofahoma, Miss.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
03-03	0100	14.15	3,440	0.00
03-03	1200	15.40	4,520	0.14
03-03	2400	16.50	6,110	0.34
03-04	1200	16.65	6,420	0.58
03-04	1700	16.66	6,440	0.68
03-04	2400	16.60	6,320	0.83
03-05	1200	16.55	6,210	1.07
03-05	2400	16.59	6,300	1.31
03-06	1200	16.57	6,260	1.55
03-06	2400	16.76	6,660	1.80
03-07	1200	16.93	7,040	2.06
03-07	2400	16.77	6,680	2.32
03-08	1200	16.29	5,700	2.56
03-08	2400	15.55	4,680	2.76
03-09	1200	14.60	3,770	2.92
03-09	2400	13.54	3,020	3.05
03-10	1200	12.42	2,410	3.16
03-10	2400	11.34	1,970	3.24
03-11	1200	10.29	1,630	3.31
03-11	2400	9.32	1,360	3.37
03-12	1200	8.43	1,140	3.42
03-12	2400	7.75	974	3.46
03-13	1200	7.32	871	3.49
03-13	2400	7.18	839	3.53
03-14	1200	7.13	828	3.56
03-14	2400	7.07	814	3.59
03-15	1200	6.87	770	3.62
03-15	2400	6.52	695	3.65
03-16	1200	6.08	606	3.67
03-16	2400	5.68	530	3.70
03-17	1200	5.32	466	3.71
03-17	2400	5.01	414	3.73
03-18	1200	4.77	378	3.75
03-18	2400	4.61	351	3.76
03-19	1200	4.46	329	3.77
03-19	2400	4.33	310	3.79
03-20	1200	4.22	294	3.80
03-20	2400	4.12	281	3.81
03-21	1200	4.05	271	3.82
03-21	2400	3.96	259	3.83
03-22	1200	3.93	255	3.84
03-22	2400	5.77	547	3.85
03-23	1200	8.18	1,080	3.89
03-23	2400	8.86	1,240	3.93
03-24	1200	8.30	1,110	3.98
03-24	2400	8.07	1,050	4.02
03-25	1200	8.42	1,140	4.06
03-25	2400	9.26	1,350	4.11
03-26	1200	10.49	1,690	4.17
03-26	2400	11.39	1,990	4.24
03-27	1200	11.67	2,090	4.31
03-27	2400	11.55	2,040	4.39
03-28	1200	11.11	1,890	4.47
03-28	2400	10.32	1,640	4.54
03-29	1200	9.14	1,320	4.59
03-29	2400	7.77	979	4.64
03-30	1200	6.41	672	4.67
03-30	2400	5.47	492	4.69

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02484500, Yockanookany River near Ofahoma, Miss.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
03-31	1200	4.93	401	4.71
03-31	2400	4.63	354	4.72
04-01	1200	4.45	327	4.74
04-01	2400	4.32	308	4.75
04-02	1200	4.37	316	4.76
04-02	2400	4.70	365	4.77
04-03	1200	6.76	746	4.80
04-03	2400	7.64	947	4.83
04-04	1200	8.94	1,260	4.87
04-04	2400	9.44	1,390	4.92
04-05	1200	9.62	1,440	4.98
04-05	2400	10.25	1,620	5.03
04-06	1200	11.31	1,960	5.10
04-06	2400	11.95	2,210	5.18
04-07	1200	12.13	2,290	5.27
04-07	2400	12.04	2,250	5.36
04-08	1200	12.04	2,250	5.44
04-08	2400	14.08	3,390	5.55
04-09	1100	15.27	4,380	5.69
04-09	2400	14.21	3,480	5.85
04-10	0100	14.09	3,390	5.86
04-10	0300	13.84	3,220	5.88
04-10	0600	13.48	2,990	5.91
04-10	0900	13.14	2,790	5.94
04-10	1200	12.83	2,620	5.97
04-10	1600	12.49	2,450	6.00
04-10	2100	12.15	2,300	6.04
04-10	2400	11.97	2,220	6.06
04-11	0600	11.68	2,100	6.10
04-11	1200	11.42	2,000	6.14
04-11	2400	11.31	1,960	6.22
04-12	0200	11.58	2,060	6.23
04-12	0300	11.71	2,110	6.24
04-12	0400	12.01	2,240	6.24
04-12	0500	12.37	2,390	6.25
04-12	0600	12.74	2,580	6.26
04-12	0700	13.19	2,820	6.27
04-12	0800	13.78	3,170	6.28
04-12	0900	14.58	3,760	6.29
04-12	1000	15.52	4,650	6.30
04-12	1100	16.25	5,620	6.32
04-12	1200	16.78	6,700	6.34
04-12	1300	17.19	7,710	6.36
04-12	1400	17.57	8,800	6.39
04-12	1500	18.04	10,300	6.42
04-12	1600	18.63	12,500	6.45
04-12	1700	19.04	14,300	6.50
04-12	1800	19.36	15,800	6.55
04-12	1900	19.68	17,400	6.60
04-12	2000	19.91	18,600	6.66
04-12	2100	20.12	19,800	6.72
04-12	2200	20.31	21,000	6.78
04-12	2300	20.48	22,000	6.85
04-12	2400	20.56	22,600	6.92
04-13	0100	20.70	23,500	7.00
04-13	0200	20.84	24,400	7.07
04-13	0300	20.91	24,900	7.15
04-13	0400	21.04	25,800	7.23
04-13	0600	21.13	26,500	7.40
04-13	0800	21.23	27,200	7.57
04-13	1100	21.30	27,800	7.84
04-13	1400	21.41	28,600	8.11
04-13	1900	21.59	30,100	8.58
04-13	2400	21.86	32,300	9.08
04-14	0400	22.08	34,300	9.51
04-14	0700	22.30	36,300	9.84
04-14	0900	22.48	38,000	10.08
04-14	1000	22.53	38,500	10.20
04-14	1300	22.74	40,700	10.59
04-14	1700	23.02	43,700	11.13
04-14	2100	23.22	45,900	11.70
04-14	2300	23.26	46,400	12.00
04-14	2400	23.25	46,200	12.14

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02484500, Yockanookany River near Ofahoma, Miss.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
04-15	0700	23.12	44,800	13.16
04-15	0900	23.01	43,600	13.45
04-15	1200	22.84	41,700	13.86
04-15	1300	22.78	41,100	13.99
04-15	1600	22.56	38,800	14.37
04-15	1900	22.30	36,300	14.73
04-15	2000	22.21	35,500	14.85
04-15	2200	22.03	33,800	15.07
04-15	2400	21.82	32,000	15.28
04-16	0300	21.52	29,500	15.58
04-16	0400	21.41	28,600	15.67
04-16	0500	21.30	27,800	15.76
04-16	0700	21.06	26,000	15.93
04-16	0800	20.96	25,300	16.01
04-16	0900	20.83	24,400	16.09
04-16	1100	20.61	22,800	16.25
04-16	1200	20.51	22,200	16.32
04-16	1300	20.40	21,500	16.39
04-16	1500	20.19	20,300	16.52
04-16	1700	19.94	18,800	16.65
04-16	1800	19.83	18,200	16.71
04-16	1900	19.72	17,600	16.76
04-16	2100	19.50	16,500	16.87
04-16	2300	19.27	15,400	16.97
04-16	2400	19.16	14,800	17.02
04-17	0200	18.94	13,800	17.11
04-17	0300	18.85	13,500	17.16
04-17	0400	18.73	13,000	17.20
04-17	0600	18.51	12,100	17.28
04-17	0800	18.32	11,300	17.36
04-17	1000	18.13	10,600	17.43
04-17	1300	17.87	9,760	17.52
04-17	1500	17.72	9,270	17.58
04-17	1600	17.65	9,050	17.61
04-17	1700	17.57	8,800	17.64
04-17	1900	17.44	8,420	17.70
04-17	2000	17.38	8,240	17.72
04-17	2200	17.24	7,840	17.78
04-17	2300	17.18	7,680	17.80
04-17	2400	17.11	7,490	17.82
04-18	0300	16.91	6,970	17.89
04-18	0600	16.69	6,440	17.96
04-18	0900	16.47	5,930	18.02
04-18	1200	16.24	5,430	18.07
04-18	1500	16.00	5,080	18.12
04-18	1800	15.72	4,710	18.17
04-18	2100	15.46	4,400	18.21
04-18	2400	15.17	4,060	18.25
04-19	0300	14.88	3,810	18.29
04-19	0600	14.59	3,570	18.33
04-19	1000	14.19	3,250	18.37
04-19	1300	13.90	3,040	18.40
04-19	1700	13.51	2,810	18.44
04-19	2000	13.20	2,640	18.47
04-19	2400	12.80	2,430	18.50
04-20	0300	12.51	2,300	18.52
04-20	0700	12.09	2,130	18.55
04-20	1100	11.65	1,960	18.58
04-20	1400	11.29	1,840	18.59
04-20	1800	10.81	1,690	18.62
04-20	2300	10.21	1,510	18.64
04-20	2400	10.08	1,480	18.65
04-21	1200	8.66	1,110	18.70
04-21	2400	7.36	805	18.73
04-22	1200	6.36	596	18.76
04-22	2400	5.82	496	18.78
04-23	1200	5.99	528	18.80
04-23	2400	5.84	501	18.82
04-24	1200	5.55	452	18.84
04-24	2400	5.38	424	18.86
04-25	1200	5.36	422	18.87
04-25	2400	5.41	430	18.89
04-26	1200	5.45	437	18.90
04-26	2400	5.43	434	18.92
04-27	1200	5.40	430	18.94
04-27	2400	5.36	424	18.95
04-28	1200	5.32	419	18.97
04-28	2400	5.21	401	18.99

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02486000, Pearl River at Jackson, Miss.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
03-02	0100	31.67	27,000	0.00
03-02	1030	30.89	24,600	0.12
03-02	2400	31.30	25,800	0.29
03-03	1200	32.27	29,000	0.45
03-03	2400	33.12	32,100	0.64
03-04	2400	33.57	33,800	1.03
03-05	2400	33.99	35,500	1.45
03-06	1600	34.51	38,500	1.74
03-06	2400	34.33	37,400	1.89
03-07	0300	34.22	36,800	1.95
03-07	2400	34.41	37,900	2.34
03-08	1600	34.63	39,200	2.65
03-08	2400	34.58	38,900	2.81
03-09	2400	34.66	39,400	3.28
03-10	2400	34.40	37,800	3.74
03-11	2400	32.11	28,400	4.14
03-12	1200	30.31	22,900	4.29
03-12	2400	28.87	18,900	4.42
03-13	2400	26.99	15,300	4.62
03-14	1200	26.17	14,100	4.71
03-14	2400	25.37	13,100	4.79
03-15	1200	24.37	13,100	4.87
03-15	2400	22.86	10,300	4.94
03-16	2400	19.21	7,310	5.05
03-17	0800	18.11	6,570	5.07
03-17	1600	16.73	5,870	5.10
03-17	2400	14.85	4,960	5.12
03-18	1200	12.72	3,930	5.15
03-18	2400	12.13	3,650	5.17
03-19	1200	11.81	3,500	5.19
03-19	2400	10.75	3,010	5.21
03-20	1600	10.12	2,720	5.23
03-20	2400	9.22	2,320	5.24
03-21	2400	8.71	2,090	5.27
03-22	1200	8.83	2,150	5.28
03-22	2400	10.21	2,760	5.30
03-23	1200	10.29	2,800	5.31
03-23	2400	12.88	4,010	5.33
03-24	1200	13.69	4,400	5.36
03-24	2400	15.65	5,340	5.39
03-25	2400	16.83	5,920	5.46
03-26	0900	17.00	6,000	5.48
03-26	2400	15.10	5,080	5.52
03-27	2400	13.81	4,460	5.58
03-28	2400	13.61	4,360	5.63
03-29	1200	13.46	4,290	5.66
03-29	2400	12.66	3,900	5.69
03-30	2400	11.06	3,150	5.73
03-31	2400	9.72	2,540	5.76
04-01	1200	8.79	2,130	5.78
04-01	2400	7.19	1,450	5.79
04-02	1200	7.73	1,680	5.80
04-02	2400	9.01	2,220	5.81
04-03	1200	13.14	4,130	5.83
04-03	2400	15.91	5,470	5.86
04-04	1200	18.86	7,070	5.89
04-04	2400	21.17	8,740	5.94

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02486000, Pearl River at Jackson, Miss.—Continued

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
04-05	1200	23.62	11,000	6.00
04-05	2400	25.53	13,300	6.07
04-06	1200	26.67	14,800	6.16
04-06	2400	26.79	15,000	6.25
04-07	2400	26.15	14,100	6.42
04-08	1400	25.78	13,600	6.52
04-08	2400	---	14,000	6.59
04-09	2400	---	15,500	6.76
04-10	1700	27.64	16,300	6.90
04-10	2400	27.78	16,500	6.96
04-11	2300	27.61	16,200	7.14
04-11	2400	28.44	17,900	7.15
04-12	0600	30.05	22,100	7.21
04-12	1200	31.10	25,200	7.28
04-12	1800	32.98	31,500	7.37
04-12	2400	33.93	35,200	7.47
04-13	0600	35.05	41,900	7.58
04-13	1200	35.59	45,600	7.72
04-13	1800	35.97	48,300	7.86
04-13	2400	36.56	53,000	8.01
04-14	0600	37.64	62,500	8.18
04-14	1200	38.90	74,900	8.39
04-14	1800	39.67	83,200	8.63
04-14	2400	40.42	91,500	8.89
04-15	0600	41.20	100,000	9.17
04-15	1200	41.83	108,000	9.49
04-15	1800	42.25	113,000	9.82
04-15	2400	42.49	116,000	10.16
04-16	0600	42.62	118,000	10.51
04-16	1200	42.78	121,000	10.87
04-16	1800	42.85	122,000	11.24
04-16	2400	42.95	123,000	11.60
04-17	0300	43.07	125,000	11.79
04-17	0600	43.16	126,000	11.98
04-17	0900	43.23	127,000	12.17
04-17	1200	43.28	128,000	12.36
04-17	1500	43.28	128,000	12.55
04-17	1800	43.22	127,000	12.74
04-17	2400	42.98	123,000	13.12
04-18	0600	42.60	118,000	13.48
04-18	1200	42.16	112,000	13.82
04-18	1800	41.70	106,000	14.15
04-18	2400	41.31	102,000	14.46
04-19	0600	40.94	97,300	14.76
04-19	1200	40.54	92,800	15.05
04-19	1800	39.89	85,700	15.31
04-19	2400	39.11	77,100	15.56
04-20	0800	38.15	67,400	15.85
04-20	1600	37.28	59,200	16.10
04-20	2400	36.16	49,700	16.32
04-21	0800	35.27	43,400	16.50
04-21	1600	34.57	38,900	16.67
04-21	2400	33.55	33,700	16.81
04-22	1200	32.19	28,700	17.00
04-22	2100	31.79	27,400	17.13
04-22	2400	31.96	27,900	17.17
04-23	1200	30.58	23,600	17.32
04-23	2400	29.32	20,100	17.45
04-24	1200	28.51	18,000	17.57
04-24	2400	27.51	16,100	17.67
04-25	1200	26.50	14,600	17.76
04-25	2400	25.07	12,700	17.85
04-26	1200	23.56	11,000	17.92
04-26	2400	21.63	9,100	17.98
04-27	1200	19.76	7,680	18.03
04-27	2400	17.32	6,160	18.07
04-28	1200	15.08	5,070	18.10
04-28	2400	13.31	4,210	18.13

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02488500, Pearl River at Monticello, Miss.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
04-01	2400	11.19	6,330	0.00					
					04-16	1200	25.51	43,800	2.15
04-02	1200	10.97	6,070	0.02	04-16	2400	26.66	52,200	2.33
04-02	2400	12.50	7,950	0.04					
					04-17	1200	28.23	64,700	2.54
04-03	1200	15.77	12,400	0.08	04-17	2400	29.79	78,400	2.81
04-03	2400	18.91	16,900	0.14					
					04-18	1200	31.22	91,900	3.12
04-04	1200	21.14	21,300	0.21	04-18	2400	32.41	104,000	3.48
04-04	2400	21.77	22,800	0.29					
					04-19	1200	33.40	114,000	3.88
04-05	2400	21.84	23,000	0.46	04-19	2400	33.95	120,000	4.31
					04-20	1200	34.08	122,000	4.76
04-06	2400	21.00	21,000	0.62	04-20	2400	33.87	120,000	5.21
					04-21	2400	32.77	108,000	6.05
04-07	2400	20.23	19,300	0.77					
					04-22	2400	31.56	95,300	6.80
04-08	2400	19.94	18,700	0.91					
					04-23	2400	30.37	83,700	7.46
04-09	2400	19.54	17,900	1.04					
					04-24	2400	29.06	71,800	8.03
04-10	2400	19.23	17,400	1.17					
					04-25	2400	27.87	61,700	8.53
04-11	2400	19.27	17,400	1.30					
					04-26	2400	26.85	53,600	8.95
04-12	2400	19.77	18,300	1.43					
					04-27	2400	25.80	45,800	9.32
04-13	1200	20.42	19,700	1.50					
04-13	2400	21.27	21,600	1.58	04-28	2400	24.32	35,800	9.62
04-14	1200	22.12	24,200	1.66	04-29	2400	21.49	22,000	9.83
04-14	2400	22.93	27,500	1.76					
					04-30	2400	16.18	11,400	9.96
04-15	1200	23.78	32,400	1.87					
04-15	2400	24.56	37,300	2.00					

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
02489500, Pearl River near Bogalusa, La.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
04-02	2400	14.36	8,280	0.00	04-19	2400	19.67	40,200	2.94
04-03	0600	14.74	8,930	0.01	04-20	1600	19.90	45,000	3.10
04-03	1200	15.83	10,100	0.02	04-20	2400	20.10	49,400	3.19
04-03	1800	17.25	15,000	0.04					
04-03	2100	17.87	17,800	0.05	04-21	1200	20.53	59,400	3.34
04-03	2400	18.55	22,900	0.06	04-21	2400	21.23	76,400	3.53
04-04	0600	19.18	31,200	0.10	04-22	1200	21.97	95,000	3.77
04-04	1400	19.67	40,200	0.17	04-22	2400	22.61	112,000	4.06
04-04	2000	19.82	43,300	0.23					
04-04	2400	19.85	44,000	0.27	04-23	0600	22.80	117,000	4.22
					04-23	1600	23.15	127,000	4.51
04-05	2400	19.70	40,800	0.51	04-23	2400	23.20	128,000	4.75
04-06	2400	19.56	38,000	0.73	04-24	0300	23.23	129,000	4.84
					04-24	1600	23.20	128,000	5.23
04-07	2400	19.44	35,800	0.93	04-24	2400	23.04	124,000	5.46
04-08	2400	19.35	34,100	1.13	04-25	1200	22.75	116,000	5.80
					04-25	2400	22.40	106,000	6.11
04-09	2400	19.25	32,400	1.32					
					04-26	2400	21.60	85,700	6.65
04-10	2400	19.10	29,900	1.49					
					04-27	2400	20.95	69,500	7.09
04-11	2400	18.92	27,300	1.65					
					04-28	2400	20.57	60,400	7.45
04-12	2400	18.80	25,700	1.80					
					04-29	2400	20.32	54,500	7.77
04-13	2400	18.66	24,100	1.94					
					04-30	2400	20.15	50,600	8.06
04-14	2400	18.65	24,000	2.08					
					05-01	2400	19.97	46,500	8.34
04-15	2400	18.80	25,700	2.21					
					05-02	2400	19.65	39,800	8.58
04-16	2400	19.01	28,600	2.37					
					05-03	2400	18.52	22,600	8.75
04-17	2400	19.23	32,000	2.54					
					05-04	2400	16.74	13,400	8.86
04-18	2400	19.46	36,100	2.73					
					05-05	2400	16.29	12,200	8.93

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
07289350, Big Black River at West, Miss.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
04-01	0100	7.58	798	0.00	04-12	1500	20.20	13,800	1.37
04-01	2400	8.25	928	0.03	04-12	1800	21.68	22,600	1.46
					04-12	2400	23.12	35,200	1.73
04-02	1200	10.57	1,440	0.05					
04-02	1800	12.43	1,920	0.06	04-13	0600	23.89	43,500	2.10
04-02	2400	13.45	2,220	0.08	04-13	1200	24.21	47,200	2.53
					04-13	1600	24.27	48,000	2.83
04-03	0600	14.28	2,470	0.11	04-13	1800	24.27	48,000	2.98
04-03	1200	14.77	2,630	0.13	04-13	2030	24.20	45,400	3.17
04-03	1800	15.06	2,730	0.16	04-13	2400	24.14	46,400	3.42
04-03	2400	15.35	2,850	0.18					
					04-14	0600	23.79	42,400	3.84
04-04	1200	15.91	3,070	0.24	04-14	1200	23.42	38,300	4.22
04-04	2400	16.41	3,330	0.30	04-14	1800	23.08	34,800	4.56
					04-14	2400	22.71	31,100	4.87
04-05	1200	16.97	3,730	0.36					
04-05	2400	17.36	4,230	0.44	04-15	1200	21.93	24,400	5.40
					04-15	2400	20.99	18,000	5.80
04-06	1200	17.47	4,420	0.52					
04-06	1400	17.49	4,450	0.54	04-16	2400	19.53	10,700	6.34
04-06	2400	17.48	4,440	0.61					
					04-17	2400	18.38	6,670	6.67
04-07	2400	17.09	3,850	0.76					
					04-18	2400	17.20	3,970	6.87
04-08	2400	16.70	3,520	0.90					
					04-19	2400	15.83	3,040	7.00
04-09	2400	16.23	3,230	1.03					
					04-20	1200	14.26	2,460	7.05
04-10	2400	15.11	2,750	1.14	04-20	2400	11.39	1,620	7.09
04-11	2400	14.50	2,540	1.24	04-21	1200	8.76	990	7.12
					04-21	2400	7.72	781	7.13
04-12	0300	15.91	3,070	1.25					
04-12	0600	17.35	4,210	1.27	04-22	1200	7.27	696	7.15
04-12	1200	18.44	6,850	1.32	04-22	2400	7.22	687	7.16

TABLE 7.—*Gage height, discharge, and accumulated runoff, flood of April 1979*—Continued
07290000, Big Black River near Bovina, Miss.

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUMULATED RUNOFF
04-02	2400	15.13	3,580	0.00					
					04-16	0600	40.42	80,200	3.00
04-03	1200	15.77	3,890	0.02	04-16	1200	40.50	82,000	3.27
04-03	2400	18.30	5,150	0.05	04-16	1900	40.56	83,300	3.58
					04-16	2400	40.51	82,200	3.81
04-04	1200	22.10	7,310	0.09					
04-04	2400	23.06	7,890	0.14	04-17	0600	40.52	82,400	4.09
					04-17	1100	40.44	80,700	4.31
04-05	0600	23.12	7,920	0.17	04-17	1800	40.32	78,000	4.62
04-05	2400	22.87	7,770	0.25	04-17	2400	40.23	76,100	4.87
04-06	2400	22.46	7,530	0.35	04-18	1200	39.97	70,400	5.36
					04-18	2400	39.67	64,100	5.80
04-07	2400	21.93	7,210	0.44					
					04-19	1200	39.33	56,900	6.20
04-08	2400	22.10	7,310	0.54	04-19	2400	38.97	49,700	6.55
04-09	1200	23.47	8,130	0.59	04-20	2400	38.32	36,900	7.13
04-09	2400	24.06	8,490	0.65					
					04-21	2400	37.48	28,400	7.56
04-10	2400	24.66	8,850	0.76					
					04-22	2400	36.33	24,000	7.91
04-11	1200	24.95	9,020	0.82					
04-11	2400	26.72	10,100	0.88	04-23	2400	35.03	20,500	8.20
04-12	0600	28.59	11,300	0.92	04-24	1200	34.23	18,800	8.33
04-12	1200	29.88	12,400	0.96	04-24	2400	33.37	17,100	8.45
04-12	1800	32.84	16,200	1.01					
04-12	2400	34.10	18,500	1.06	04-25	1200	32.59	15,800	8.56
					04-25	2400	31.89	14,700	8.66
04-13	0600	34.64	19,600	1.13					
04-13	1200	35.28	21,100	1.19	04-26	1200	31.23	13,800	8.75
04-13	1800	35.80	22,500	1.27	04-26	2400	30.60	13,100	8.84
04-13	2400	36.65	25,100	1.34					
					04-27	1200	29.95	12,500	8.93
04-14	0600	37.69	29,400	1.43	04-27	2400	29.26	11,800	9.01
04-14	1200	38.42	38,700	1.55					
04-14	1800	38.85	47,300	1.69	04-28	1200	28.56	11,300	9.09
04-14	2400	39.25	55,300	1.86	04-28	2400	27.74	10,700	9.16
04-15	0600	39.53	61,100	2.05	04-29	1200	26.32	9,760	9.23
04-15	1200	39.79	66,600	2.26	04-29	2400	23.13	7,770	9.28
04-15	1800	40.04	71,900	2.49					
04-15	2400	40.25	76,500	2.74	04-30	1200	18.99	5,240	9.33
					04-30	2400	15.79	3,580	9.36

TABLE 8.—*Ground-water levels in selected observation wells showing effects of flood of April 1979 in Alabama and Mississippi*

Site Number	Location and Well Number	Cased Depth (feet)	Well Depth (feet)	Formation and Lithology	Factors influencing ground-water condition
1W	Bibb County, AL 325622087075501	80	404	Cambrian and Ordovician (dolomite)	Infiltration and loading from Cahaba River
2W	Elmore County, AL 323757086013901	63	402	Augen gniess (metamorphic rocks)	Local precipitation
3W	Greene County, AL 325005087532001	395	407	Eutaw Formation (sand)	Local precipitation
5W	Hale County, AL 324205087352801	258	278	Eutaw Formation (sand)	Local precipitation
6W	Jefferson County, AL 332605086523001	68	140	Bangor Limestone (limestone)	Local precipitation
7W	Marengo County, AL 323055087504101	860	900	Eutaw Formation (sand)	Loading from Tombigbee River
8W	Pickens County, AL 330116088113101	71	91	Eutaw Formation (sand)	Loading from Tombigbee River
9W	Pickens County, AL 330117088180301	117	137	Eutaw Formation (sand)	Loading from Tombigbee River
11W	Sumter County, AL 325212088121601	370	390	Eutaw Formation (sand)	Loading from Tombigbee River, 1.35 miles west of River
12W	Sumter County, AL 325215088111301	350	370	Eutaw Formation (sand)	Loading from Tombigbee River, 0.35 mile west of River
15W	Noxubee County, Miss. (near Pickensville, AL) 331426088192202	20	30	Alluvial Deposits (sand and gravel)	Local precipitation and recharge from Tombigbee River

TABLE 8.—*Ground-water levels, flood of April 1979*—Continued

Site 1W (325622087075501), Well at Centreville, Ala. (Centreville Gin & Cotton Co.)

[Water level, in feet, below land-surface datum at indicated time. 1979]

Date	Time	Water level (feet)	Date	Time	Water level (feet)	Date	Time	Water level (feet)	Date	Time	Water level (feet)
2-28	2400	26.01	3-16	2400	26.83	4- 5	1200	23.44	4-23	2400	25.13
						4- 5	2400	23.71			
3- 1	1200	26.24	3-17	2400	26.91				4-24	2400	25.22
3- 1	2400	26.37				4- 6	1200	24.15			
			3-18	2400	26.98	4- 6	2400	24.51	4-25	2400	25.14
3- 2	1200	26.49									
3- 2	2400	26.54	3-19	2400	27.06	4- 7	2400	25.00	4-26	2400	24.35
3- 3	1200	26.56	3-20	2400	27.16	4- 8	2400	25.16	4-27	2400	23.73
3- 3	2400	25.18									
			3-21	2400	27.26	4- 9	2400	25.26	4-28	2400	23.92
3- 4	1200	23.25									
3- 4	2400	22.39	3-22	2400	27.23	4-10	2400	25.49	4-29	2400	24.41
3- 5	1200	22.12	3-23	1200	26.96	4-11	2400	25.75	4-30	2400	24.76
3- 5	2400	22.07	3-23	2400	26.63						
						4-12	1200	25.81			
3- 6	1200	22.20	3-24	1200	26.39	4-12	2400	23.90			
3- 6	2400	22.80	3-24	2400	26.39						
						4-13	1200	22.04			
3- 7	1200	23.48	3-25	1200	26.46	4-13	2400	21.04			
3- 7	2400	24.03	3-25	2400	26.63						
						4-14	1200	20.56			
3- 8	1200	24.48	3-26	2400	26.84	4-14	2000	20.42			
3- 8	2400	24.85				4-14	2400	20.44			
			3-27	2400	26.98						
3- 9	1200	25.11				4-15	1200	20.51			
3- 9	2400	25.35	3-28	2400	27.11	4-15	2400	20.66			
3-10	1200	25.54	3-29	2400	27.19	4-16	1200	21.20			
3-10	2400	25.72				4-16	2400	22.02			
			3-30	2400	27.28						
3-11	1200	25.86				4-17	1200	22.77			
3-11	2400	25.95	3-31	2400	27.33	4-17	2400	23.19			
3-12	1200	26.05	4- 1	2400	27.30	4-18	2400	23.78			
3-12	2400	26.14									
			4- 2	1200	27.36	4-19	2400	24.21			
3-13	1200	26.23	4- 2	2400	27.26						
3-13	2400	26.31				4-20	2400	24.55			
			4- 3	1200	26.42						
3-14	1200	26.45	4- 3	2400	24.85	4-21	2400	24.84			
3-14	2400	26.58									
			4- 4	1200	24.02	4-22	2400	25.02			
3-15	1200	26.67	4- 4	2400	23.43						
3-15	2400	26.72									

TABLE 8.—*Ground-water levels, flood of April 1979*—Continued
Site 2W (323757086013901), Well at Elmore County High School, Eclectic, Ala.
[Water levels, in feet, below land surface datum (altitude 557.5 feet) at indicated time]

Date	Time	Water level (feet)	Date	Time	Water level (feet)	Date	Time	Water level (feet)	Date	Time	Water level (feet)
2-28	2400	8.20	3-15	2400	7.96	3-30	2400	8.01	4-14	2400	7.37
3- 1	2400	8.18	3-16	2400	7.96	3-31	2400	8.00	4-15	2400	7.34
3- 2	2400	8.15	3-17	2400	7.94	4- 1	2400	7.99	4-16	2400	7.35
3- 3	2400	8.02	3-18	2400	7.92	4- 2	2400	8.02	4-17	2400	7.37
3- 4	2400	7.97	3-19	2400	7.94	4- 3	2400	7.81	4-18	2400	7.39
3- 5	2400	7.95	3-20	2400	7.95	4- 4	2400	7.70	4-19	2400	7.42
3- 6	2400	7.92	3-21	2400	7.98	4- 5	2400	7.73	4-20	2400	7.47
3- 7	2400	7.91	3-22	2400	8.00	4- 6	2400	7.72	4-21	2400	7.51
3- 8	2400	7.97	3-23	2400	7.94	4- 7	2400	7.70	4-22	2400	7.55
3- 9	2400	7.98	3-24	2400	7.97	4- 8	2400	7.61	4-23	2400	7.57
3-10	2400	7.97	3-25	2400	8.02	4- 9	2400	7.64	4-24	2400	7.51
3-11	2400	7.97	3-26	2400	8.04	4-10	2400	7.64	4-25	2400	7.28
3-12	2400	7.96	3-27	2400	8.04	4-11	2400	7.64	4-26	2400	7.23
3-13	2400	7.94	3-28	2400	8.04	4-12	2400	7.59	4-27	2400	7.21
3-14	2400	7.97	3-29	2400	8.02	4-13	2400	7.41	4-28	2400	7.21
									4-29	2400	7.21
									4-30	2400	7.23

TABLE 8.—*Ground-water levels, flood of April 1979*—Continued
Site 3W (325005087532001), Well at Eutaw, Ala. (Greene County warehouse)
[Water level, in feet, below land-surface datum (altitude 110.1 feet NGVD) at indicated time]

Date	Time	Water level (feet)	Date	Time	Water level (feet)	Date	Time	Water level (feet)	Date	Time	Water level (feet)
2-28	2400	44.12	3-15	2400	43.53	3-31	2400	43.71	4-15	2400	43.63
3-1	2400	44.08	3-16	2400	43.58	4-1	2400	43.63	4-16	2400	43.58
3-2	1200	44.07	3-17	2400	43.60	4-2	2400	43.63	4-17	2400	43.58
3-2	2400	44.08	3-18	2400	43.62	4-3	2400	44.05	4-18	1200	43.54
3-3	1200	43.91	3-19	2400	43.66	4-4	2400	44.18	4-18	2400	43.57
3-4	2400	43.81	3-20	2400	43.72	4-5	2400	44.19	4-19	2400	43.57
3-5	2400	43.83	3-21	2400	43.73	4-6	2400	44.14	4-20	2400	43.54
3-6	1200	43.84	3-22	2400	43.66	4-7	2400	44.00	4-21	2400	43.50
3-7	2400	43.80	3-23	2400	43.58	4-8	2400	43.77	4-22	2400	43.42
3-8	2400	43.73	3-24	2400	43.57	4-9	2400	43.69	4-23	2400	43.38
3-9	2400	43.72	3-25	2400	43.57	4-10	2400	43.69	4-24	2400	43.39
3-10	2400	43.69	3-26	2400	43.63	4-11	2400	43.74	4-25	2400	43.38
3-11	0500	43.68	3-27	2400	43.65	4-12	0700	43.76	4-26	2400	43.37
3-11	2400	43.63	3-28	2400	43.67	4-12	2400	43.73	4-27	2400	43.40
3-12	2400	43.58	3-29	2400	43.70	4-13	1400	43.59	4-28	2400	43.40
3-13	2400	43.54	3-30	2400	43.74	4-13	2400	43.61	4-29	0500	43.44
3-14	2400	43.51				4-14	2400	43.67	4-29	2400	43.42
									4-30	2400	43.42

TABLE 8.—*Ground-water levels, flood of April 1979*—Continued
Site 5W (324205087352801), Well at City of Greensboro, Ala.
[Water level, in feet, below land-surface datum (altitude 257 feet) at indicated time]

Date	Time	Water level (feet)	Date	Time	Water level (feet)	Date	Time	Water level (feet)	Date	Time	Water level (feet)
2-28	2400	56.13	3-16	2400	55.91	4- 1	2400	55.89	4-16	2400	55.70
3- 1	2400	56.12	3-17	2400	55.91	4- 2	2400	55.89	4-17	2400	55.68
3- 2	2400	56.11	3-18	2400	55.91	4- 3	2400	55.88	4-18	2400	55.67
3- 3	2400	56.09	3-19	2400	55.91	4- 4	2400	55.86	4-19	2400	55.66
3- 4	2400	56.06	3-20	2400	55.90	4- 5	2400	55.85	4-20	2400	55.66
3- 5	2400	56.04	3-21	2400	55.90	4- 6	2400	55.85	4-21	2400	55.65
3- 6	2400	56.02	3-22	2400	55.90	4- 7	2400	55.84	4-22	2400	55.65
3- 7	2400	55.99	3-23	2400	55.88	4- 8	2400	55.83	4-23	2400	55.65
3- 8	2400	55.97	3-24	2400	55.88	4- 9	2400	55.81	4-24	2400	55.64
3- 9	2400	55.95	3-25	2400	55.87	4-10	2400	55.80	4-25	2400	55.64
3-10	2400	55.94	3-26	2400	55.87	4-11	2400	55.78	4-26	2400	55.63
3-11	2400	55.93	3-27	2400	55.88	4-12	2400	55.77	4-27	2400	55.62
3-12	2400	55.93	3-28	2400	55.88	4-13	2400	55.74	4-28	2400	55.61
3-13	2400	55.91	3-29	2400	55.88	4-14	2400	55.72	4-29	2400	55.61
3-14	2400	55.91	3-30	2400	55.89	4-15	2400	55.71	4-30	2400	55.61
3-15	2400	55.91	3-31	2400	55.89						

TABLE 8.—*Ground-water levels, flood of April 1979*—Continued

Site 6W (332605086523001), Well near Oxmoor, Ala. (at County Road 42)

[Water level, in feet, below land-surface datum at indicated time]

Date	Time	Water level (feet)	Date	Time	Water level (feet)	Date	Time	Water level (feet)	Date	Time	Water level (feet)
2-28	2400	17.26	3-16	0100	16.18	3-31	0300	18.36	4-16	0100	13.44
			3-16	2400	16.31	3-31	1300	18.48	4-16	2400	13.55
3- 1	0100	17.29									
3- 1	0700	17.08	3-17	0100	16.33	4- 1	1100	18.45	4-17	0100	13.56
			3-17	2400	16.43	4- 1	1900	18.39	4-17	1300	13.65
3- 2	1100	17.18									
3- 2	2000	17.04	3-18	0100	16.43	4- 2	1300	18.56	4-18	0100	13.65
			3-18	2400	16.51	4- 2	2400	18.35	4-18	1200	13.73
3- 3	0100	17.05									
3- 3	1200	14.83	3-19	0100	16.53	4- 3	0100	18.24	4-19	0100	13.72
			3-19	2400	16.68	4- 3	2400	17.31	4-19	2400	13.79
3- 4	1500	14.53									
3- 4	2400	14.97	3-20	0100	16.69	4- 4	0100	17.29	4-20	0300	13.77
			3-20	2400	16.85	4- 4	0900	16.07	4-20	2400	13.89
3- 5	0100	15.01									
3- 5	2400	15.30	3-21	0100	16.86	4- 5	1000	16.26	4-21	0200	13.88
			3-21	2400	17.05	4- 5	2400	16.19	4-21	2400	14.04
3- 6	0100	15.30									
3- 6	2400	15.22	3-22	0100	17.05	4- 6	1100	16.19	4-22	0300	14.03
			3-22	2200	17.18	4- 6	2400	16.10	4-22	2200	14.12
3- 7	0100	15.21									
3- 7	1600	15.11	3-23	0100	17.16	4- 7	0100	16.09	4-23	0400	14.08
			3-23	1500	16.92	4- 7	2400	15.88	4-23	2400	14.23
3- 8	0300	15.15									
3- 8	2400	15.43	3-24	0200	17.06	4- 8	0100	15.87	4-24	0300	14.20
			3-24	2400	17.29	4- 8	2400	15.47	4-24	2400	14.29
3- 9	0100	15.42									
3- 9	1100	15.51	3-25	0400	17.27	4- 9	0400	15.39	4-25	0100	14.29
			3-25	2400	17.59	4- 9	2400	15.58	4-25	2400	13.93
3-10	0400	15.47									
3-10	2300	15.56	3-26	0400	17.58	4-10	0300	15.55	4-26	0100	13.90
			3-26	2400	17.80	4-10	1100	15.64	4-26	2100	13.36
3-11	0300	15.53									
3-11	2400	15.69	3-27	0300	17.77	4-11	1100	15.63	4-27	1200	13.47
			3-27	2400	17.94	4-11	1800	15.52	4-27	1800	13.39
3-12	0500	15.64									
3-12	2400	15.75	3-28	0400	17.93	4-12	0800	15.66	4-28	0500	13.44
			3-28	2400	18.08	4-12	2400	13.63	4-28	1200	13.52
3-13	1100	15.78									
3-13	1800	15.69	3-29	0500	18.08	4-13	0100	13.51	4-29	1300	13.54
			3-29	2400	18.21	4-13	1100	12.57	4-29	2100	13.46
3-14	0500	15.72									
3-14	2400	16.00	3-30	0500	18.21	4-14	0300	12.67	4-30	1400	13.55
			3-30	2400	18.35	4-14	2400	13.27	4-30	2000	13.50
3-15	0100	16.01									
3-15	2400	16.17				4-15	0100	13.28			
						4-15	2400	13.43			

TABLE 8.—*Ground-water levels, flood of April 1979*—Continued
Site 7W (323055087504101), Well at J. C. Webb Compress Co., Demopolis, Ala.
[Water level, in feet, below land-surface datum (altitude 110 feet) at indicated time]

Date	Time	Water level (feet)	Date	Time	Water level (feet)	Date	Time	Water level (feet)	Date	Time	Water level (feet)
2-28	2400	14.67	3-16	1200	15.41	3-31	2400	14.88	4-17	2400	8.34
			3-16	2400	15.36						
3- 1	1200	14.81	3-17	2400	15.38	4- 1	2400	14.63	4-18	1200	7.95
3- 1	2400	15.02							4-18	2400	7.68
3- 2	2400	15.26	3-18	2400	15.13	4- 2	2400	14.41	4-19	2400	7.58
3- 3	2400	15.33	3-19	2400	14.89	4- 3	2400	14.04	4-20	0300	7.57
									4-20	2400	7.76
3- 4	2400	15.05	3-20	2400	14.75	4- 4	2400	13.92	4-21	1200	7.95
									4-21	2400	8.16
3- 5	2400	14.46	3-21	2400	14.65	4- 5	2400	14.31	4-22	2400	8.70
3- 6	2400	14.19	3-22	2400	14.65	4- 6	2400	14.12	4-23	2400	9.96
3- 7	2400	13.70	3-23	2400	14.41	4- 7	2400	14.03	4-24	2400	11.42
3- 8	2400	13.40	3-24	1600	14.41	4- 8	2400	14.00	4-25	2400	12.23
			3-24	2400	14.54						
3- 9	2400	13.36	3-25	1200	14.58	4- 9	2400	14.12	4-26	2400	12.61
			3-25	2400	14.49						
3-10	2400	13.61	3-26	2400	14.28	4-10	2400	14.18	4-27	2400	12.73
3-11	2400	13.93	3-27	2400	14.27	4-11	2400	14.38	4-28	2400	13.07
3-12	2400	14.31	3-28	2400	14.61	4-12	2400	13.89	4-29	2400	13.10
3-13	2400	14.79	3-29	2400	15.01	4-13	2400	13.43	4-30	2400	13.53
3-14	2400	15.37	3-30	2400	15.07	4-14	2400	12.67			
3-15	2400	15.46				4-15	2400	11.78			
						4-16	2400	10.14			

TABLE 8.—*Ground-water levels, flood of April 1979*—Continued

Site 8W (330116088113101) (USCOE), Well on Tombigbee River approximately halfway between Aliceville and Gainesville lock and dam at river mile 259.2 above mouth of Tombigbee River

[Water level, in feet, below land-surface datum (135.6 feet NGVD) at indicated time]

Date	Time	Water level (feet)	Date	Time	Water level (feet)	Date	Time	Water level (feet)	Date	Time	Water level (feet)
2-28	2400	17.36	3-15	2400	17.42	3-30	2400	17.34	4-15	2400	14.02
3-1	2400	17.34	3-16	2400	17.42	3-31	2400	17.32	4-16	2400	13.96
3-2	2400	17.36	3-17	2400	17.42	4-1	2400	17.32	4-17	2400	14.00
3-3	2400	17.04	3-18	2400	17.44	4-2	2400	17.23	4-18	2400	14.13
3-4	2400	16.78	3-19	2400	17.44	4-3	2400	17.14	4-19	2400	14.34
3-5	2400	16.49	3-20	2400	17.43	4-4	2400	17.06	4-20	2400	14.62
3-6	2400	16.40	3-21	2400	17.42	4-5	2400	16.99	4-21	2400	15.03
3-7	0300	16.39	3-22	2400	17.36	4-6	2400	16.95	4-22	2400	15.57
3-7	1800	16.39	3-23	1300	17.31	4-7	2400	16.90	4-23	2400	15.93
3-7	2400	16.41	3-23	2400	17.33	4-8	2400	16.77	4-24	2400	16.18
3-8	2400	16.47	3-24	2400	17.30	4-9	2400	16.80	4-25	2400	16.29
3-9	2400	16.59	3-25	2400	17.29	4-10	2400	16.84	4-26	2400	16.34
3-10	2400	16.73	3-26	2400	17.27	4-11	2400	16.89	4-27	2400	16.40
3-11	2400	16.91	3-27	2400	17.28	4-12	2400	16.16	4-28	2400	16.46
3-12	2400	17.09	3-28	2400	17.31	4-13	2400	14.80	4-29	2400	16.49
3-13	2400	17.24	3-29	2400	17.36	4-14	2400	14.21	4-30	2400	16.53
3-14	2400	17.37									

TABLE 8.—*Ground-water levels, flood of April 1979*—Continued

Site 9W (330117088180301), Well 0.7 mile west of Tombigbee River, 3.5 miles southwest of Pickensville at river mile 286.0 above mouth of Tombigbee River

[Water level, in feet, below land-surface datum (139.80 feet NGVD) at indicated time]

Date	Time	Water level (feet)	Date	Time	Water level (feet)	Date	Time	Water level (feet)	Date	Time	Water level (feet)
3-21	2400	4.08	4-2	2400	4.06	4-12	1800	2.92	4-19	2400	3.25
3-22	2400	4.01	4-3	2400	3.96	4-12	2400	3.04	4-20	2400	3.59
3-23	2400	4.02	4-4	2400	3.99	4-13	0600	2.77	4-21	2400	3.68
3-24	2400	4.04	4-5	2400	4.03	4-13	1200	2.21	4-22	2400	3.68
3-25	2400	4.05	4-6	2400	4.04	4-13	2400	1.44	4-23	2400	3.68
3-26	2400	4.09	4-7	2400	4.04	4-14	1200	1.13	4-25	2400	3.66
3-27	2400	4.10	4-8	2400	3.90	4-14	2400	1.06	4-26	2400	3.64
3-28	2400	4.11	4-9	2400	3.94	4-15	1200	1.05	4-27	2400	3.67
3-29	2400	4.12	4-10	2400	3.96	4-15	2400	1.15	4-28	2400	3.69
3-30	2400	4.11	4-11	2400	3.97	4-16	2400	1.55	4-29	2400	3.72
3-31	2400	4.12	4-12	0600	3.81	4-17	2400	2.09	4-30	2400	3.75
4-1	2400	4.11	4-12	1200	3.51	4-18	2400	2.67			

TABLE 8.—*Ground-water levels, flood of April 1979*—Continued

Site 11W (325212088121601), Well 1.35 miles west of Tombigbee River, 4.2 miles northwest of Gainesville at river mile 240.9 above mouth of Tombigbee River

[Water level, in feet, below land-surface datum (140.6 feet) at indicated time]

Date	Time	Water level (feet)	Date	Time	Water level (feet)	Date	Time	Water level (feet)	Date	Time	Water level (feet)
2-28	2400	14.55	3-14	2400	14.27	3-30	2400	14.45	4-15	2400	13.62
3-1	2400	14.54	3-15	2400	14.30	3-31	2400	14.39	4-16	2400	13.55
3-2	2400	14.51	3-16	2400	14.31	4-1	2400	14.40	4-17	2400	13.56
3-3	1200	14.40	3-17	2400	14.30	4-2	2400	14.32	4-18	2400	13.57
3-3	2000	14.25	3-18	2400	14.30	4-3	2400	14.36	4-19	2400	13.58
3-3	2400	14.35	3-19	2400	14.30	4-4	2400	14.40	4-20	2400	13.59
3-4	2400	14.44	3-20	2400	14.30	4-5	2400	14.45	4-21	2400	13.60
3-5	2400	14.43	3-21	2400	14.32	4-6	2400	14.45	4-22	2400	13.60
3-6	2400	14.37	3-22	2400	14.24	4-7	2400	14.42	4-23	2400	13.64
3-7	2400	14.32	3-23	0300	14.19	4-8	2400	14.31	4-24	2400	13.63
3-8	2400	14.31	3-23	2400	14.26	4-9	2400	14.36	4-25	2400	13.62
3-9	2400	14.29	3-24	2400	14.30	4-10	2400	14.36	4-26	2400	13.68
3-10	2400	14.27	3-25	2400	14.35	4-11	2400	14.36	4-27	2400	13.75
3-11	2400	14.27	3-26	2400	14.38	4-12	1800	14.01	4-28	2400	13.83
3-12	2400	14.24	3-27	2400	14.40	4-12	2400	14.17	4-29	2400	13.88
3-13	1900	14.20	3-28	2400	14.42	4-13	2400	14.13	4-30	2400	13.94
3-13	2400	14.22	3-29	2400	14.42	4-14	2400	13.89			

TABLE 8.—*Ground-water levels, flood of April 1979*—Continued

Site 12W (325215088111301), Well 0.35 mile west of Tombigbee River, 3.7 miles northwest of Gainesville at river mile 240.9 above mouth of Tombigbee River

[Water level, in feet, below land-surface datum (162.82 feet, NGVD) at indicated time]

Date	Time	Water level (feet)	Date	Time	Water level (feet)	Date	Time	Water level (feet)	Date	Time	Water level (feet)
2-28	2400	37.42	3-18	2400	37.41	4-4	2400	37.32	4-16	2400	35.66
3-1	2400	37.43	3-19	2400	37.40	4-5	2400	37.35	4-17	1200	35.62
3-2	2400	37.42	3-20	2400	37.40	4-6	2400	37.38	4-17	2400	35.59
3-3	2400	37.25	3-21	2400	37.39	4-7	2400	37.36	4-18	2400	35.62
3-4	2400	37.33	3-22	2400	37.31	4-8	2400	37.24	4-19	2400	35.73
3-5	2400	37.32	3-23	2400	37.31	4-9	2400	37.29	4-20	2400	35.89
3-6	2400	37.27	3-24	2400	37.35	4-10	2400	37.30	4-21	2400	36.11
3-7	2400	37.23	3-25	2400	37.41	4-11	2400	37.32	4-22	2400	36.30
3-8	2400	37.30	3-26	2400	37.44	4-12	0700	37.32	4-23	2400	36.47
3-9	2400	37.33	3-27	2400	37.46	4-12	1200	37.21	4-24	2400	36.57
3-10	2400	37.34	3-28	2400	37.48	4-12	2400	37.14	4-25	2400	36.62
3-11	2400	37.34	3-29	2400	37.47	4-13	1200	36.98	4-26	2400	36.72
3-12	2400	37.36	3-30	2400	37.46	4-13	2400	36.82	4-27	2400	36.80
3-13	2400	37.36	3-31	2400	37.38	4-14	1200	36.62	4-28	2400	36.87
3-14	2400	37.43	4-1	2400	37.36	4-14	2400	36.34	4-29	2400	36.93
3-15	2400	37.43	4-2	2400	37.28	4-15	1200	36.11	4-30	2400	36.97
3-16	2400	37.42	4-3	1900	37.31	4-15	2400	35.90			
3-17	2400	37.41	4-3	2400	37.25						

TABLE 8.—*Ground-water levels, flood of April 1979*—Continued

Site 15W (331426088192202), Well 3.4 miles west of Pickensville, Ala. (Noxubee County, Miss.) at river mile 292.0 above mouth of Tombigbee River

[Water level, in feet, below land-surface datum (146.64 feet) at indicated time]

Date	Time	Water level (feet)	Date	Time	Water level (feet)	Date	Time	Water level (feet)	Date	Time	Water level (feet)
2-28	2400	4.30	3-18	2400	4.32	4-4	2400	4.63	4-14	1200	1.29
3-1	2400	4.20	3-19	2400	4.39	4-5	2400	4.56	4-14	2400	1.44
3-2	2400	4.17	3-20	2400	4.46	4-6	2400	4.56	4-15	1200	1.57
3-3	2400	3.17	3-21	2400	4.52	4-7	2400	4.58	4-15	2400	1.70
3-4	1700	3.05	3-22	2100	4.57	4-8	2400	4.51	4-16	2400	1.93
3-4	2400	3.08	3-22	2400	4.52	4-9	2400	4.50	4-17	2400	2.19
3-5	2400	3.19	3-23	0200	4.50	4-10	2400	4.49	4-18	2400	2.44
3-6	2400	3.30	3-23	2400	4.56	4-11	2400	4.54	4-19	2400	2.66
3-7	2400	3.43	3-24	2400	4.61	4-12	0500	4.57	4-20	2400	2.84
3-8	2400	3.56	3-25	2400	4.67	4-12	1200	4.00	4-21	2400	3.01
3-9	2400	3.66	3-26	2400	4.72	4-12	1800	1.68	4-22	2400	3.13
3-10	2400	3.72	3-27	2400	4.77	4-12	2400	1.03	4-23	2400	3.26
3-11	2400	3.79	3-28	2400	4.82	4-13	0600	0.89	4-24	2400	3.35
3-12	2400	3.86	3-29	2400	4.86	4-13	0800	0.52	4-25	2400	3.45
3-13	2400	3.93	3-30	2400	4.92	4-13	1000	0.71	4-26	2400	3.58
3-14	2400	4.04	3-31	2400	4.95	4-13	1200	0.82	4-27	2400	3.70
3-15	2400	4.11	4-1	2400	4.98	4-13	1800	1.04	4-28	2400	3.81
3-16	2400	4.18	4-2	2400	5.01	4-13	2400	1.15	4-29	2400	3.92
3-17	2400	4.26	4-3	2400	4.85				4-30	2400	4.03

TABLE 9.—*Specific conductance and temperature of samples at selected sites along the Intracoastal Waterway at the mouth of Mobile Bay, April 28-29, 1979*

Station number	Location	Date 1979	Time (hours)	Weather conditions	Depth (feet)	Specific conductance (micromhos per centimeter)	Water temperature (degrees Celsius)
1	Marker 18 in Bon Secour River near Mimi's Restaurant	April 28	1510	Calm, warm, clear	Surface	2,400	23.5
					5	2,600	21.5
					6	2,600	21.5
2	Post with staff gage in Bon Secour River out from lower end of boat dock on right bank	April 28	1500	Calm, warm, clear	Surface	2,700	22.5
					5	2,900	21.5
3	Buoy 136 on Intracoastal Waterway	April 28	1420	Calm, clear, warm	Surface	3,200	22.5
					5	3,200	22.0
					10	3,200	22.0
					12	3,200	21.5
4	State Hwy. 59 crossing Intracoastal Waterway	April 28	1350	Calm, warm, clear	Surface	3,000	22.0
					5	3,000	22.0
					10	3,000	22.0
					12	3,000	22.0
5	Buoy 147 on Intracoastal Waterway	April 28	1320	Calm, warm, clear	Surface	3,200	22.5
					5	3,200	21.5
					10	3,200	21.5
					14	3,200	21.5
6	Buoy 159 on Intracoastal Waterway--Mobile Bay	April 28	1300	Calm, warm clear	Surface	2,900	21.5
					5	2,900	21.5
					10	3,000	21.0
7	Buoy 167 on Intracoastal Waterway--Mobile Bay	April 28	1255	Calm, warm, clear	Surface	2,800	21.5
					5	2,800	21.5
					6	2,850	21.5
8	Buoy 175 on Intracoastal Waterway--Mobile Bay	April 28	0915	Calm, warm, clear	Surface	1,700	21.5
					5	1,700	20.5
					10	1,750	20.5
					14	1,800	20.5
		April 28	1245	Calm, warm clear	Surface	1,700	21.0
					5	1,750	21.0
					8	1,750	21.0
9	Buoy 183 on Intracoastal Waterway--Mobile Bay	April 28	0950	Calm, warm, clear	Surface	1,350	21.0
					5	1,350	20.5
					10	1,400	20.5
					12	1,400	20.5
9		April 28	1235	Calm, warm, clear	Surface	1,500	21.0
					5	1,500	21.0
					8	1,500	21.0
9		April 29	1120	Windy, cool, cloudy	Surface	2,400	20.5
					5	2,450	21.0
					10	2,400	21.0
					13	2,400	21.0

TABLE 9.—*Specific conductance and temperature of samples at selected sites along the Intracoastal Waterway at the mouth of Mobile Bay, April 28-29, 1979*—Continued

Station number	Location	Date 1979	Time (hours)	Weather conditions	Depth (feet)	Specific conductance (micromhos per centimeter)	Water temperature (degrees Celsius)
10	Buoy 191 on Intracoastal Waterway--Mobile Bay	April 28	1225	Calm, warm, clear	Surface	1,300	21.0
					5	1,300	21.0
					8	1,300	21.0
11	Buoy 195 on Intracoastal Waterway--Mobile Bay	April 28	1010	Calm, warm, clear	Surface	1,550	20.5
					5	1,500	20.5
					10	1,600	20.0
					12	1,600	20.0
11		April 29	1030	Windy, cool, cloudy	Surface	1,400	20.5
					5	1,400	20.5
					10	1,400	20.0
					14	1,400	20.0
12	Buoy 205 on Intracoastal Waterway--Mobile Bay	April 28	1020	Calm, warm, clear	Surface	200	20.5
					5	200	20.5
					10	200	20.0
					11	200	20.0
12		April 29	0945	Windy, cool, cloudy	Surface	1,800	20.5
					5	1,800	20.5
					10	1,800	20.5
					14	1,800	20.5
13	Buoy 215 on Intracoastal Waterway--Mobile Bay	April 28	1030	Calm, warm, clear	Surface	500	20.5
					5	500	20.5
					10	600	20.0
					12	600	20.0
14	Buoy 223 on Intracoastal Waterway--Mobile Bay	April 28	1045	Calm, warm, clear	Surface	400	21.0
					5	400	20.5
					10	500	20.5
					13	600	20.0
15	Buoy 231 on Intracoastal Waterway--Mobile Bay	April 28	1055	Little windy, warm, clear	Surface	250	20.5
					5	250	20.5
					10	300	20.0
					14	300	20.0
16	Between tower (oil derrick) at Dauphin Island and tower at Fort Morgan on Intracoastal Waterway--Mobile Bay	April 28	1120	Little windy, warm, clear	Surface	300	20.0
					5	300	20.0
					10	300	20.0
					15	2,000	19.5
					20	40,000	20.5
					25	41,000	20.5
					30	43,000	20.5
					35	45,000	20.5
17	2.2 Miles north of Buoy 205 on Intracoastal Waterway--Mobile Bay	April 29	0955	Windy, cool, cloudy	Surface	150	19.5
					5	150	19.5
					10	150	19.5
					11	150	19.5
18	2.2 Miles south of Buoy 205 on Intracoastal Waterway--Mobile Bay	April 29	1015	Windy, cool, cloudy	Surface	2,200	20.0
					5	2,200	20.0
					10	2,250	20.0

TABLE 9.—*Specific conductance and temperature of samples at selected sites along the Intracoastal Waterway at the mouth of Mobile Bay, April 28-29, 1979*—Continued

Station number	Location	Date 1979	Time (hours)	Weather conditions	Depth (feet)	Specific conductance (micromhos per centimeter)	Water temperature (degrees Celsius)
19	2.2 Miles north of Buoy 195 on Intracoastal Waterway--Mobile Bay	April 29	1040	Windy, cool, cloudy	Surface 5 10	200 250 250	20.0 20.0 20.0
20	2.4 Miles south of Buoy 195 on Intracoastal Waterway--Mobile Bay	April 29	1055	Windy, cool, cloudy	Surface 5 9	1,300 1,300 1,300	20.0 20.0 20.0
21	2.2 Miles north of Buoy 183 on Intracoastal Waterway--Mobile Bay	April 29	1130	Windy, cool, cloudy	Surface 5 10	500 550 550	21.0 20.5 20.5
22	2.1 Miles south of Buoy 183 on Intracoastal Waterway--Mobile Bay	April 29	1145	Windy, cool, cloudy	Surface 5 8	2,150 2,200 2,150	20.5 20.5 20.0

TABLE 10.—*Aerial photographs obtained at or near the crest of the flood, April 1979*

Flight line number in figure 47	Stream and location	Date April 1979	Flight height (feet)	1/Type or film
	MOBILE RIVER BASIN			
	Black Warrior River Basin			
1-2	Black Warrior River, Oliver Lock and Dam at Tuscaloosa to Interstate Highway 59 at Fosters	14	3,000	B/W
	TOMBIGBEE RIVER BASIN			
3-4	Tombigbee River, Cochrane to Epes	16	6,000	B/W
5-6	Noxubee River, Ala.-Miss. State line to mouth at Tombigbee River	16	6,000	B/W
7-19	Demopolis, confluence of Black Warrior and and Tombigbee Rivers	18	6,000	B/W
	ALABAMA RIVER BASIN			
20-21	Alabama River, confluence of the Coosa and Tallapoosa Rivers to Jones Bluff Lock and Dam	16	8,500	B/W
22-31	Alabama River, Jones Bluff Lock and Dam to mouth of Cahaba River	18	6,000	B/W
	PEARL RIVER BASIN			
32	Pearl River-Burnside (SR 15), Philadelphia (SR 19), Edinburg (SR 16), Carthage (SR 35), Wiggins (SR 13)	14	6,000	B/W
33-35	Pearl River-Ross Barnett Reservoir to Byram	16	5,000	B/W IR
36-38	Pearl River-Ross Barnett Reservoir to Byram	17	3,000	B/W IR
39-40	Pearl River-Ross Barnett Reservoir to Byram	17	12,000	B/W IR
41	Pearl River-Byram, Rosemary, Moncure, Gatesville, Hopewell (all county highways); Georgetown (SR 28); Rockport (county highway); Wanilla (Illinois Central Railroad and county highway); Monticello (U.S. 84)	19	6,000	B/W IR

1/ B/W denotes black and white film.
B/W IR denotes black and white infrared film.

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