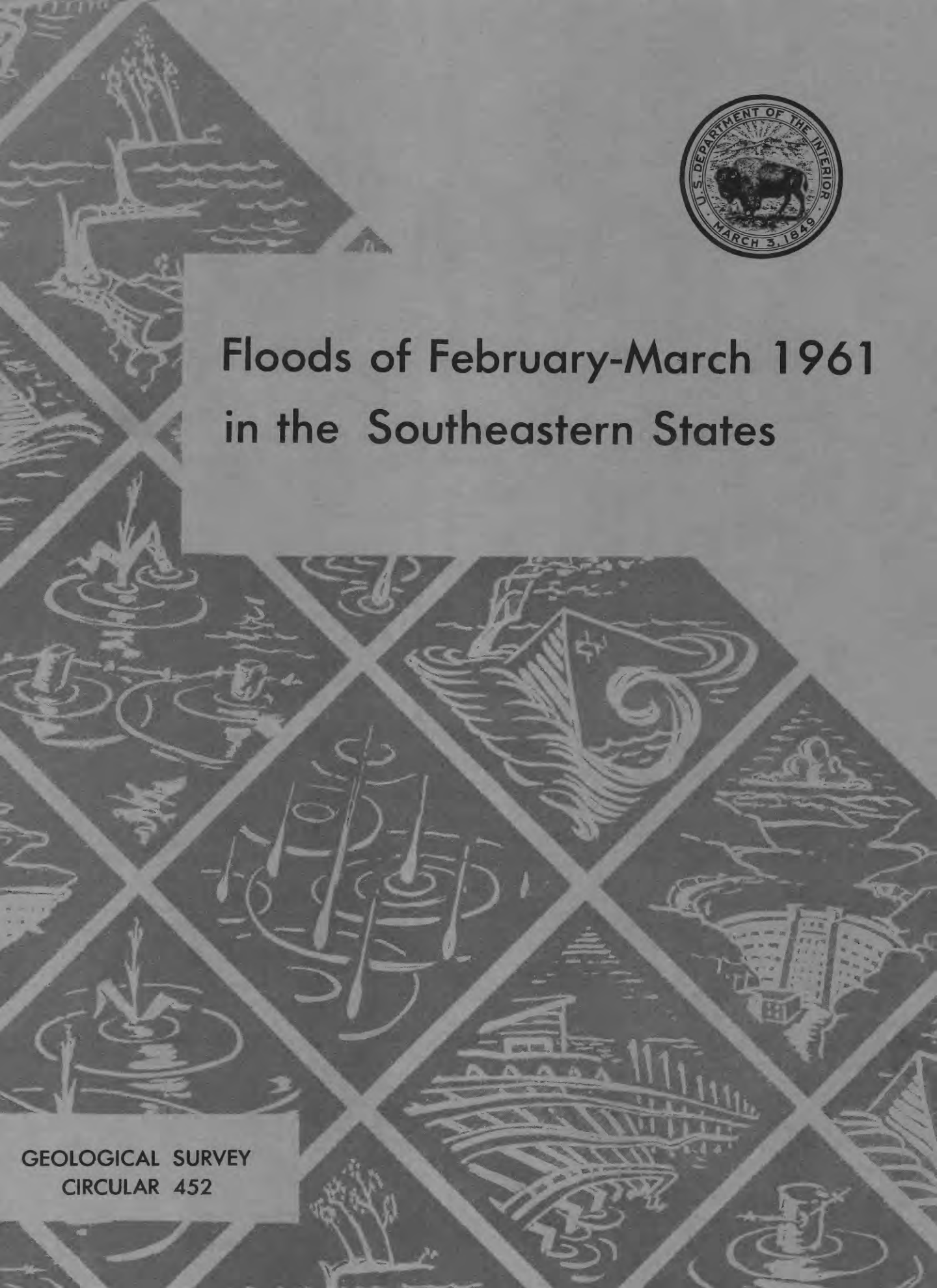

Floods of February-March 1961 in the Southeastern States

GEOLOGICAL SURVEY
CIRCULAR 452

Floods of February-March 1961 in the Southeastern States

By Harry H. Barnes, Jr., and William P. Somers

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Washington 1961

United States Department of the Interior

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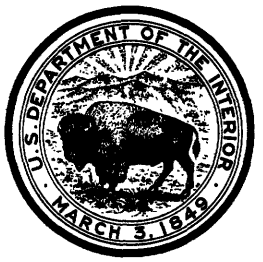

Geological Survey

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Floods of February-March 1961 in the Southeastern States

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ABSTRACT

Widespread, prolonged, disastrous floods struck parts of Louisiana, Mississippi, Alabama, Georgia, and Florida following heavy rains Feb. 17–26, 1961. Three distinct low-pressure systems recurred in essentially the same area. Precipitation totaled more than 18 inches in some areas. Multiple floods of small streams became superimposed in the large rivers to produce rare, record-breaking peaks and prolonged inundation.

Four lives were lost; one in Louisiana and three in Mississippi. Highways, railroads, urban areas, and farms were heavily damaged.

INTRODUCTION

The data presented fall short of the coverage needed for a complete flood report. Many indirect measurements were staked at miscellaneous sites in anticipation of later completion. Hundreds of miles of stream profiles were staked similarly.

The principal data presented are in a summary table of flood stages and discharges.

The records were collected as part of the cooperative programs between the Survey and State agencies. The following district engineers supervised the work of Surface Water Branch district personnel:

Louisiana	F. N. Hansen
Mississippi	W. H. Robinson
Alabama	L. E. Carroon
Georgia	H. H. Odell, acting

H. H. Barnes, Jr., assisted by J. L. Patterson, flood specialist, coordinated district efforts at indirect measurements, flood profiling, and report preparation under the general supervision of Tate Dalrymple, chief, Floods Section, Washington, D.C. Many Federal, State, municipal, and private agencies furnished information. H. H. Barnes, Jr., prepared the isohyetal maps from Weather Bureau data compiled by the districts. Notes in the text acknowledge data furnished by others. W. P. Somers, Floods Section, prepared the text.

GENERAL DESCRIPTION OF THE FLOODS

A succession of low pressure systems originating in the Gulf of Mexico moved northward and northeastward during the period February 16-26, 1961. Associated squall lines caused extreme variations in intensity and total precipitation during the storm periods.

On February 17, 7 to 9 inches of rain fell in an area from Bogalusa, La., northeastward through Purvis, Hattiesburg, and Shubuta, Miss., and into southwestern Alabama. During the period February 18-20 following this heavy burst, 1 to 3 inches of rain fell rather steadily over a wider area. Totals for the period February 17-20 are shown on the isohyetal map, figure 1.

On February 21 and 22 up to 8 inches of rain fell in a band parallel to that of the February 17 burst and roughly 50 to 100 miles north. The band extended from Amite, La., through Columbia, Collins, Meridian, Miss., and through Tuscaloosa, Birmingham, Ala., into the northeastern section of Alabama. Small amounts of rain fell following this second intense burst. Totals for the period February 20-23 are shown on the isohyetal map, figure 2.

On February 24 and 25 heavy rains centered along a line parallel to the first two storm areas but east of them. The band extended from southwestern Alabama through Greenville, Montgomery, Lafayette, Ala., to Atlanta, Ga. Totals for the period February

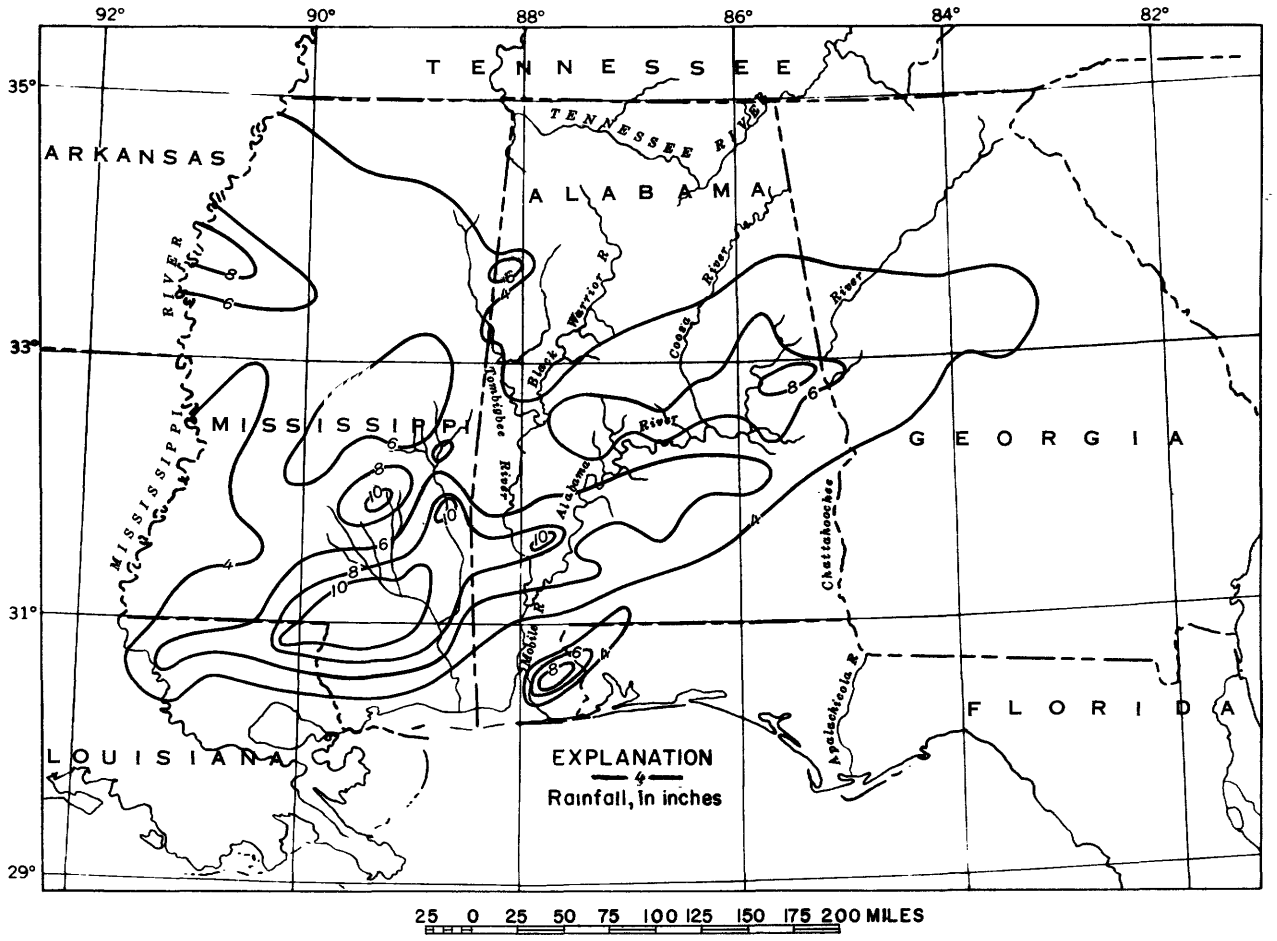

Figure 1.—Isohyetal map of southeastern States, showing storm rainfall February 17-20, 1961.

23-26 are shown on the isohyetal map, figure 3.

The rapid succession of 3 heavy storms accumulated totals of more than 18 inches of rain in southeastern Louisiana and Mississippi and in central and southern Alabama. The totals for the 3 storm periods February 17-26 are shown on the isohyetal map, figure 4.

All the isohyetal maps are necessarily generalized because of the extreme variations of intensity and accumulation. They serve to emphasize the features of the three storms in relation to the resulting floods.

Prior to the floods, January streamflow was appreciably below median in a wide band from central Mississippi, most of Alabama, and northern Georgia. Louisiana runoff was more nearly normal or above.

Louisiana

In northeastern Louisiana, Boeuf River near the Arkansas-Louisiana State line exceeded the peak discharge of the 1958 flood, the previous maximum of a short record. Downstream at Girard the Boeuf River flood was less than a 2-year event. Just west of Girard, Bayou La Fourche near Crew Lake peak discharge substantially exceeded a 25-year recurrence interval flood. Other streams in the vicinity had peaks less than a 4-year flood.

In the Florida Parishes of southeastern Louisiana, Pearl River at Bogalusa (drainage area, 6,630 square miles) reached a 50-year peak discharge to set a new maximum of 23 years record. Pearl River Slidell (8,700 square miles) peaked at 150,000 cfs (cubic feet per second), estimated to exceed a 100-

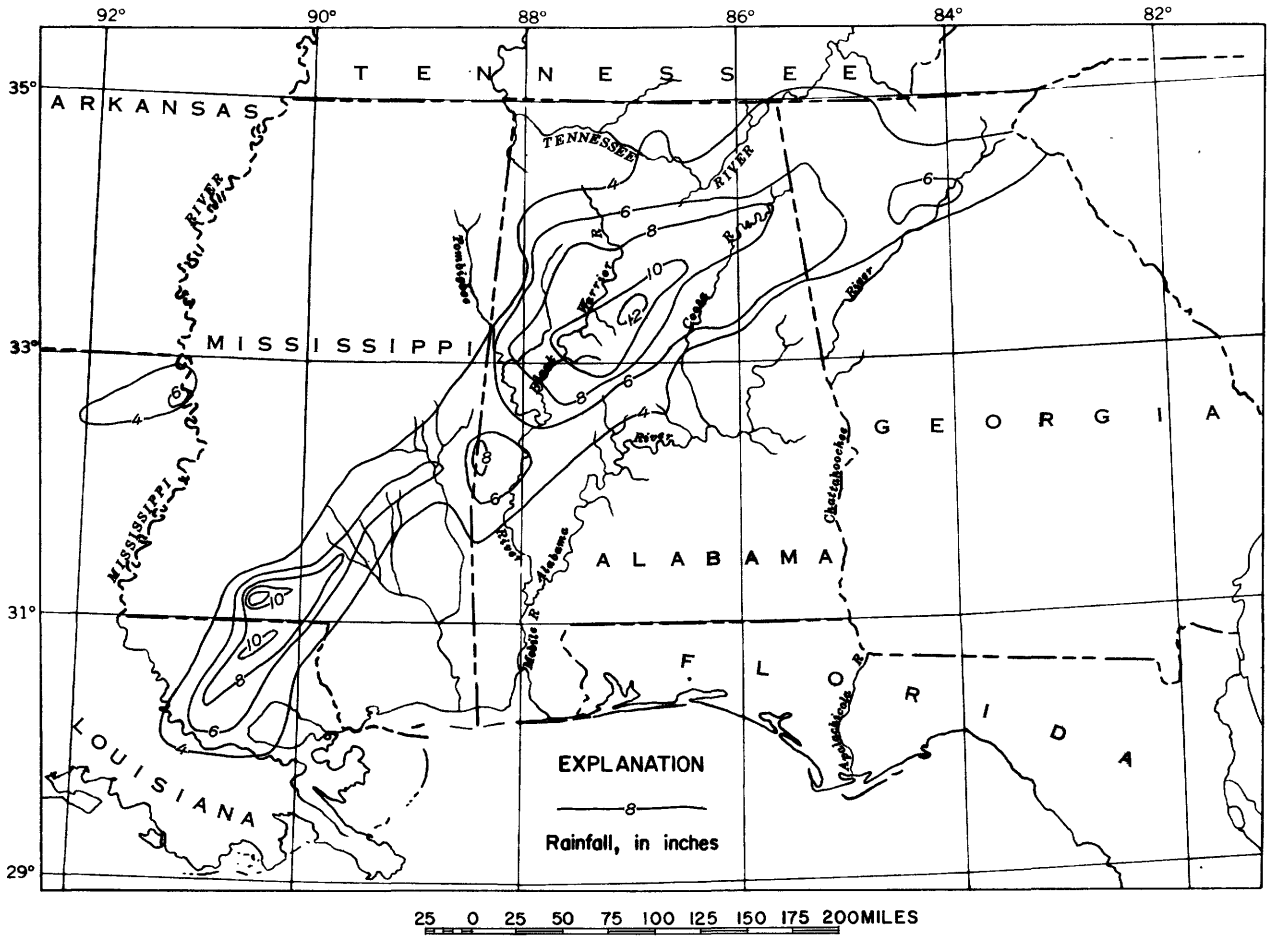

Figure 2.—Isohyetal map of southeastern States, showing storm rainfall February 20-23, 1961.

year flood. Flood stages persisted well into April. Smaller streams in the vicinity--Bogue Chitto, Tchefuncta, and Tangipahoa Rivers--reached peaks equivalent to not greater than a 13-year flood. Floods west of the Tangipahoa River basin were minor.

Mississippi

Peak discharges were outstanding in southern Mississippi and high in the Sunflower River basin in the delta area of northwestern Mississippi Because there were two principal concentrations of rainfall, small streams with short concentration periods peaked twice while the large streams, such as the Leaf, Chickasawhay, and Pascagoula Rivers, peaked once with runoff accumulating from both storms. For this reason the peaks of large streams were rarer events than those of the small streams.

Following the February 17 storm, particularly intense in the vicinity of Purvis, floods occurred on streams tributary to West Hobolochitto Creek, on Wolf River, Red Creek, and the middle reaches of Black Creek. The crest of Black Creek at Brooklyn was higher than any previously known.

The February 21 storm was intense in the vicinity of Columbia, about 25 miles northwest of Purvis, and extended over the upper reaches of Black Creek, the middle reaches of Bowie River, and the upper reaches of Leaf and Chickasaw Rivers. Near Columbia, Silver Creek overtopped the highway and flooded much of the town of Foxworth. Floods on Silver Creek and adjacent Ten Mile Creek were about equal to the flood of 1955, the greatest since April 1900. Black Creek overtopped Mississippi State Route 589 between Purvis and Sumrall. The earlier peak downstream at Brooklyn had receded before this peak reached the area.

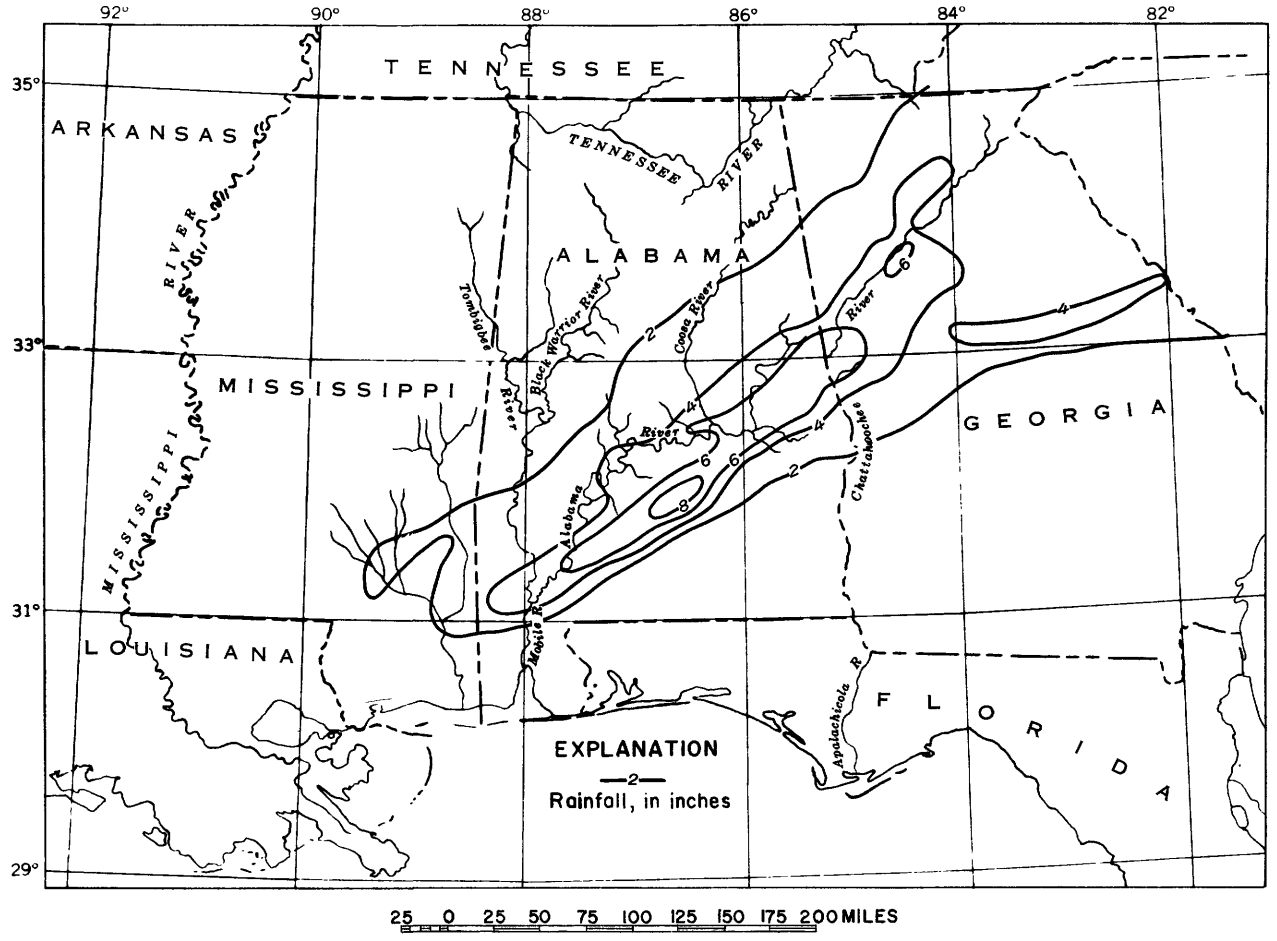

Figure 3.—Isohyetal map of southeastern States, showing storm rainfall February 23-26, 1961.

Leaf River near Collins peaked at 48,000 cfs, the greatest since 1900 and equal to that historic flood. This was a 50-year flood. Water flooded a quarter of a mile of U.S. Highway 84 east of Collins.

Bowie Creek at Hattiesburg (304 square miles) peaked at 35,700 cfs compared to an expected 50-year flood of 19,000 cfs. Bowie Creek flowed over about a mile of U.S. Highway 49 at this crossing.

Leaf River at Hattiesburg (1,760 square miles) reached a peak of 72,200 cfs, equivalent to a 30-year flood. A stage and discharge hydrograph (fig. 5) for the period February 17 to March 1, 1961, shows the prolonged peak at Hattiesburg. The peak discharge was largely from Bowie River because its crest reached Hattiesburg about 24 hours ahead of the upper Leaf River crest. Had the crests been synchronized, a peak with a recurrence interval more nearly that common in the area might have occurred. Flood damage was heavy at Hattiesburg where 5,000 persons were evacuated from the inundated eastern section of the city. The aerial photograph, figure 6, was made at the time of the peak at Hattiesburg. The boundaries of the flood areas are superimposed on the photograph and vividly show why damages were heavier here than anywhere in Mississippi. U.S. Highway 11 and Mississippi State Route 42 were overtopped and closed.

Tallahala Creek at Lauren (233 square miles) and near Runnelstown (612 square miles) with peak discharges of 18,800 cfs and 33,000 cfs respectively, exceeded 50-year floods at both locations.

Leaf River near McLain (3,510 square miles) reached a peak discharge of 128,000 cfs, slightly greater than a 50-year flood of 125,000 cfs. About 90 percent of the town of McLain was inundated: U.S. Highway 98 in

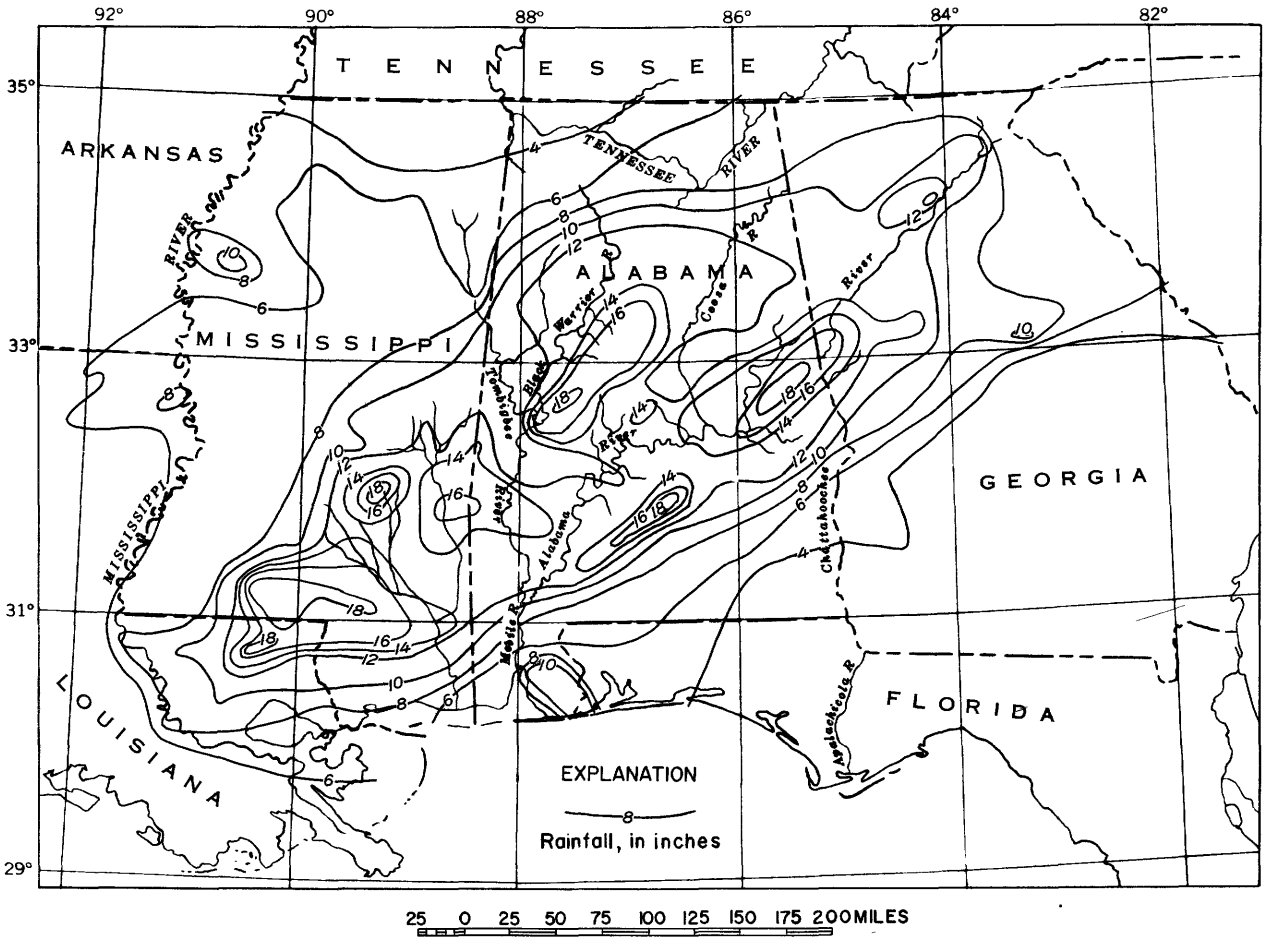

Figure 4.—Isohyetal map of southeastern States, showing storm rainfall February 17-26, 1961.

the town and Mississippi State Route 57 south of the town were overtopped. The stage record at this gaging station indicates the runoff of the two storms had coincided to produce one peak. Downstream the flood crest tended to flatten out.

Chickasawhay River at Enterprise (913 square miles) at 60,000 cfs just exceeded a 50-year flood of 58,000 cfs. The stage was 0.7 foot higher than the April 1900 flood, the greatest previously known. About 850 feet of Mississippi State Route 513 was under water as deep as 5.6 feet.

Chicasashay River at Waynesboro (1,660 square miles) reached a peak of 58,000 cfs, a little less than a 50-year flood of 60,000 cfs. At Leakesville (2,680 square miles) the peak was 73,500 cfs, somewhat greater than a 50-year flood of 69,000 cfs. The 1900 flood was higher than the 1961 floods at both gaging stations.

The Chickasawhay River crest lagged the Leaf River crest by about 2 days at their confluence just above Merrill. Pascagoula River at Merrill (6,600 square miles) peak discharge of 177,000 cfs was slightly greater than a 50-year flood of 170,000 cfs.

Pearl River peak discharges ranged from a 14-year flood at Edinburg gradually down to a 3-year flood at Monticello and Columbia (5,690 square miles) where the peak was 43,000 cfs. The peak discharge of Pearl River near Bogalusa, La. (6,630 square miles), was 87,000 cfs, described as a 50-year flood. The peak occurred February 23, about 1 day before that upstream at Columbia. The heavy rain centered at Magnolia during February 20-23 may account for the great increase in peak magnitude. The peak discharge of Pearl River near Slidell, La. (8,700 square miles), is estimated to be greater than a 100-year flood.

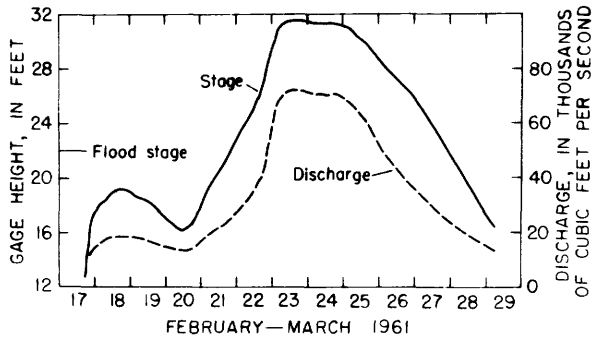

Figure 5.—Graph of stage and discharge of Leaf River at Hattiesburg, Miss., February 17 to March 1, 1961.

Sunflower River at Sunflower peaked at 7,700 cfs, about an 8-year flood. There are reports of more severe flooding in the lower part of the Sunflower River.

Alabama

Moderate peak discharges of small streams in southwestern Alabama during the period February 18-21 were the highest recorded at many new gaging stations. No outstanding unit runoff was noted in that area. Moderately high peaks occured similarly in the Tuscaloosa and Birmingham areas following the February 21-22 storm. A peak of 48,000 cfs on Catoma Creek near Montgomery (298 square miles) was recorded after the February 24-25 storm. The three storms produced few outstanding floods on small streams. The rainfall and stage records for Jones Creek near Epes (11.7 square miles), figure 7, indicate the complex rainfall occurrence and discharge variations typical of small streams in the area.

The recurring storms generated large volumes of runoff that produced outstanding floods on large streams. The peak discharge of Alabama River near Montgomery (15,100 square miles) reached 283,000 cfs, an 80-year flood exceeding the previous maximum discharge of 274,000 cfs on March 30, 1888. The peak stage was about equal to the 1888 peak and about 2.1 feet lower than the peak of April 1, 1886. Alabama River at Selma (17,100 square miles) reached a record 284,000 cfs, greater than a 100-year flood, and continued above flood stage well into March. The Coosa, upper Alabama, Black Warrior, and Tombigbee Rivers had the highest peaks of recent years. Mobile River near Mobile exceeded the record maximum discharge.

The February-March floods of the Alabama River were not only record-breaking discharges but remained above flood stages for longer periods than ever known before. Stages were above flood stage at Montgomery for 19 consecutive days, at Selma for 17 days, at Miller Ferry for 28 days, and at Claiborne for 29 days. The Coosa River remained above flood stage at Wetumpka for 9 days, at Childersburg for 10 days, and at Gadsden for 14 days.

Georgia

General moderate flooding occurred in the northern half of the State with some scattered extreme floods on some streams. Several small streams near Atlanta reached peaks greater than 50-year floods. The Chattahoochee River rose rapidly responding to the heavier concentration of rain in the western part of the State. Little flooding occurred above Newnan. At West Point (3,550 square miles) the peak of 95,000 cfs was about a 22-year flood. At Columbus (4,670 square miles) the peak of 145,000 cfs was about a 65-year flood. The flood was about the fourth greatest of record and the greatest since March 1929 at Columbus. Flood stages persisted for about 3 days.

The upper part of the Flint River reached stages 4 to 9 feet above flood stage. The Apalachicola River reached stages higher than any since 1948 and 1929 at some points and remained above flood stages for 8 days at Chattahoochee, Fla., and 11 days at Blountstown, Fla.

FLOOD DAMAGES

Louisiana.--One person drowned at Walker. Damages were light, confined mostly to highways, railroads, and agriculture. About one-eighth of the total damage in the Bogue Chitto and Pearl River basins occurred in Louisiana.

Mississippi.--Three persons lost their lives at Hattiesburg. Damage to municipalities, roads, and agriculture was extensive. Damage to county roads was much greater than that to the State Highway system. The municipalities of Hattiesburg, Petal, Fox-

Figure 6.—Aerial photograph by Air National Guard of Hattiesburg, Miss., and vicinity, February 23, 1961.

worth, McLain, Laurel, Waynesboro, Shubuta, Quitman, and Enterprise had heavy damages; Meridian and Jackson had less damage.

Alabama.--No lives were lost; about 8,000 families sustained flood losses. The Alabama State Civil Defense Department estimated a total of $36 million in the State.

Georgia.--No lives were lost and no buildings were destroyed. The American National Red Cross estimates 25 buildings had major damage and 461 had minor damage.

Table 1 comprises the miscellaneous, incomplete, preliminary estimates of damages through the flood area by the Louisiana and Mississippi Highway Departments, Alabama State Civil Defense Department, Corps of Engineers, U.S. Weather Bureau, and Soil Conservation Service. It would not be feasible to compare estimates by different agencies in separate areas as the reporting techniques vary greatly.

Table 1.--Estimates of flood damages, February-March 1961

Louisiana:	
State and Federal highways	$ 30,000
Northeastern Louisiana:	
Crop	85,000
Noncrop	15,000
Louisiana-Mississippi:	
Bogue Chitto River basin:	
Agricultural	37,500
Roads and railroads	17,000
Pearl River basin:	
Agricultural	344,200
Roads and railroads	268,800
Mississippi:	
State highways	150,000
County and municipal	2,300,000
Agricultural	2,000,000
Alabama:	
Highways	1,000,000
Other public property	10,000,000
Private	12,000,000
Industrial	5,000,000
Agricultural	8,000,000
Georgia:	
All	500,000

AERIAL PHOTOGRAPHY

Extensive and informative aerial photographic coverage is available for possible use in inundation mapping. The Air National Guard photographed main streams of the Mobile River basin during the floods as shown on the map, figure 8, with continuous main stem coverage. About 16 urban areas in Mississippi and Alabama were photographed at and near the peak. In addition to the Hattiesburg photograph with the flood boundaries marked (fig. 6), a photograph of the Montgomery, Ala., urban area during the flood of February 27, 1961, is shown as figure 9.

Extensive work would be required before suitable inundation maps could be developed. The photography is excellent for defining flood boundaries.

INCOMPLETE FIELD DATA

During and following the floods, Survey engineers in the field worked to get as much information as possible on stages, discharges, profiles, and inundated areas, not only at gaging stations but also at miscellaneous sites. The aim was to provide essential data for a complete report on floods. Although the districts succeeded in gathering timely, important facts, they were unable to complete planned coverage within the limited time available.

Many indirect measurements were staked, but not completely surveyed or computed. The following partial list identifies the locations which are shown on the map, figure 10.

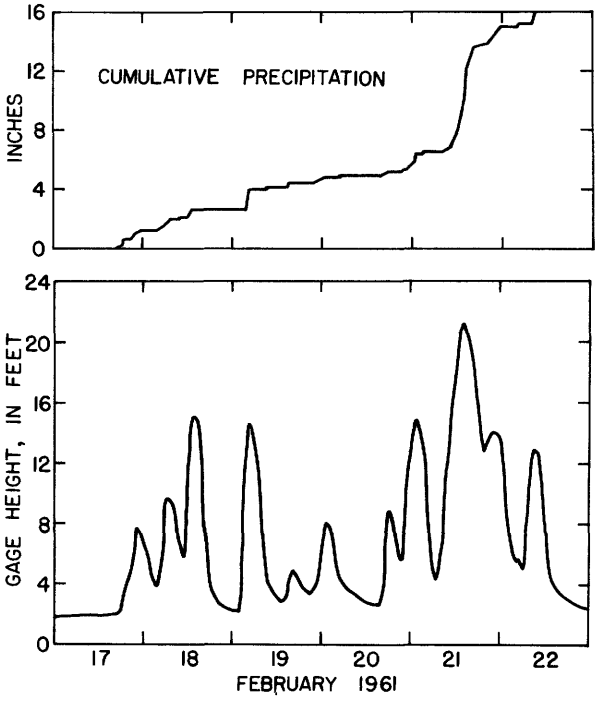

Figure 7.--Graphs showing accumulated rainfall and stage of Jones Creek at gaging station near Epes, Ala., February 17-22, 1961.

Alabama:

Chattooga River at Gaylesville
Kelly Creek at U. S. Highway 78
Kelly Creek near Vincent
North Fork Yellowleaf Creek at Chelsea
Muddy Prong near Westover
Yellowleaf Creek near Wilsonville
Tallapoosa River near Heflin
Sandy Creek at Alabama Highway 49
Pintlalla Creek near Montgomery
Big Swamp Creek near Letohatchee
Cedar Creek at Minter
Limestone Creek near Monroeville
Jones Creek near Epes
Lost Creek near Oakman
Village Creek near Adamsville
Valley Creek near Oak Grove
Blue Creek near Oakman

Mississippi:

Ponta Creek near Lauderdale
Pawticfaw Creek near Enondale
Okatibbee Creek near Collinsville
Souinlovey Creek near Enterprise
Tallahala Creek near Waldrup
Long Creek near Quitman
Bucatunna Creek near Quitman

Mississippi--Continued

Tallahoma Creek near Laurel
Bogue Homa Creek near Laurel
Bogue Homa Creek at Blodgett
Black Creek near Hattiesburg
Red Creek at Lumberton
Boggy Hollow Creek near Purvis
Little Black Creek near Purvis
Wolf River near Poplarville
West Hobolochitto Creek near Poplarville
Okatoma Creek at Magee
Holiday Creek near Bassfield
Holiday Creek near Columbia
Richland Creek near Foxworth
Jones Creek at Columbia
Hurricane Creek near Columbia
Stuarts Branch near Columbia
Graves Creek near Columbia
Upper Little Creek near Columbia

Georgia:

North Fork Broad River near Carnesville
Shetley Creek near Norcross
Yellow River near Snellville
Garner Creek near Snellville
Towaliga River near Jackson
Walnut Creek near Macon
Little Tobesofkee Creek near Forsyth
Allen Creek at Talmo
Whitten Creek near Sparta
Big Creek near Alpharetta
Sweetwater Creek near Austell
Dog River near Douglasville
Unnamed tributary near West Point
Unnamed tributary near Thomaston
Scarecorn Creek at Hinton
Holly Creek near Chatsworth
Etowah River near Dahlonega
Raccoon Creek near Dallas
Alin Creek near Rockmart
Euharlee Creek at Rockmart
Euharlee Creek near Taylorsville
Little River near Buchanan
Shoal Creek near Dawsonville

At many locations high-water marks were staked to define flood profiles. These are mapped in figure 10. In Mississippi about 600 stream miles have been staked at 80 crossings. In Alabama many miles of profiles have been similarly staked. In the vicinity of Atlanta, Ga., about 7 miles of profiles have been staked on 15 small streams (fig. 11).

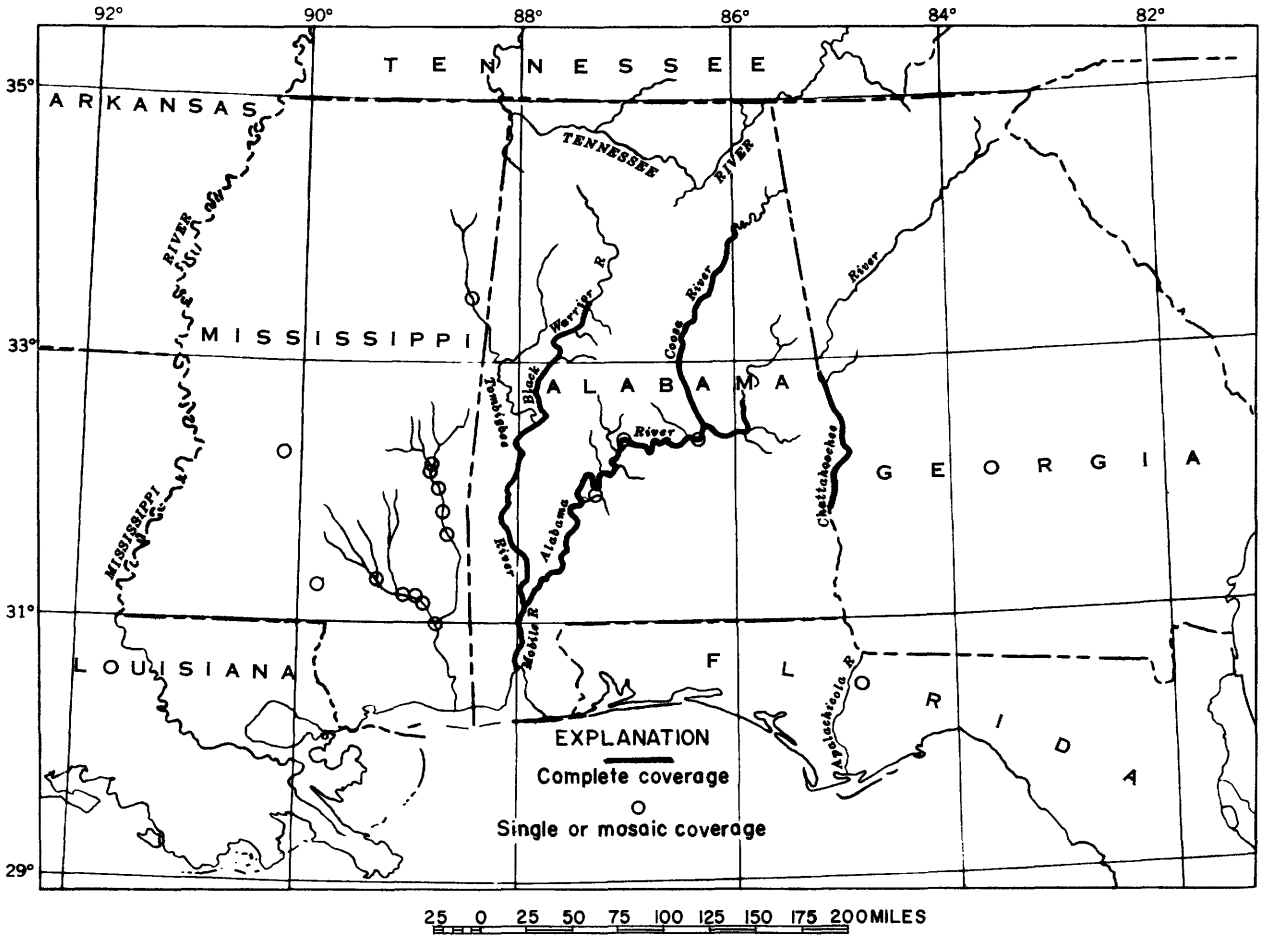

Figure 8.—Map of southeastern States, showing aerial photographic coverage, February-March 1961.

STREAMFLOW DATA

Records of Discharges

Daily and monthly mean discharges (preliminary), in cubic feet per second, and runoff, in inches, for the period February-March 1961 are shown in the tables 2, 3, and 4. Three gaging station records in Mississippi have been selected: Tombigbee River at Columbus, Pascagoula River at Merrill, and Pearl River at Jackson.

Summary of Flood Stages and Discharges

Flood stages and discharges are summarized in table 5. The list is in downstream order as presented in annual reports. The station number, name, and drainage area are shown. The stage and discharge for maximum floods previously known are shown with their year of occurrence. The date, stage, discharge, and recurrence interval, T, of the 1961 peaks are given. Recurrence intervals shown with a plus sign (+) after the years can be much greater than the years shown. The upper limit of defined frequency relations is adhered to without gross extension.

A map showing recurrence intervals of peak discharges at selected points is shown as figure 12. The mixture of greatly different recurrence intervals in small regions is explained in part by the use of a point at the gaging station to represent the entire drainage area.

Figure 9.—Aerial photograph by Air National Guard of Montgomery, Ala., and vicinity, near time of peak, February 27, 1961.

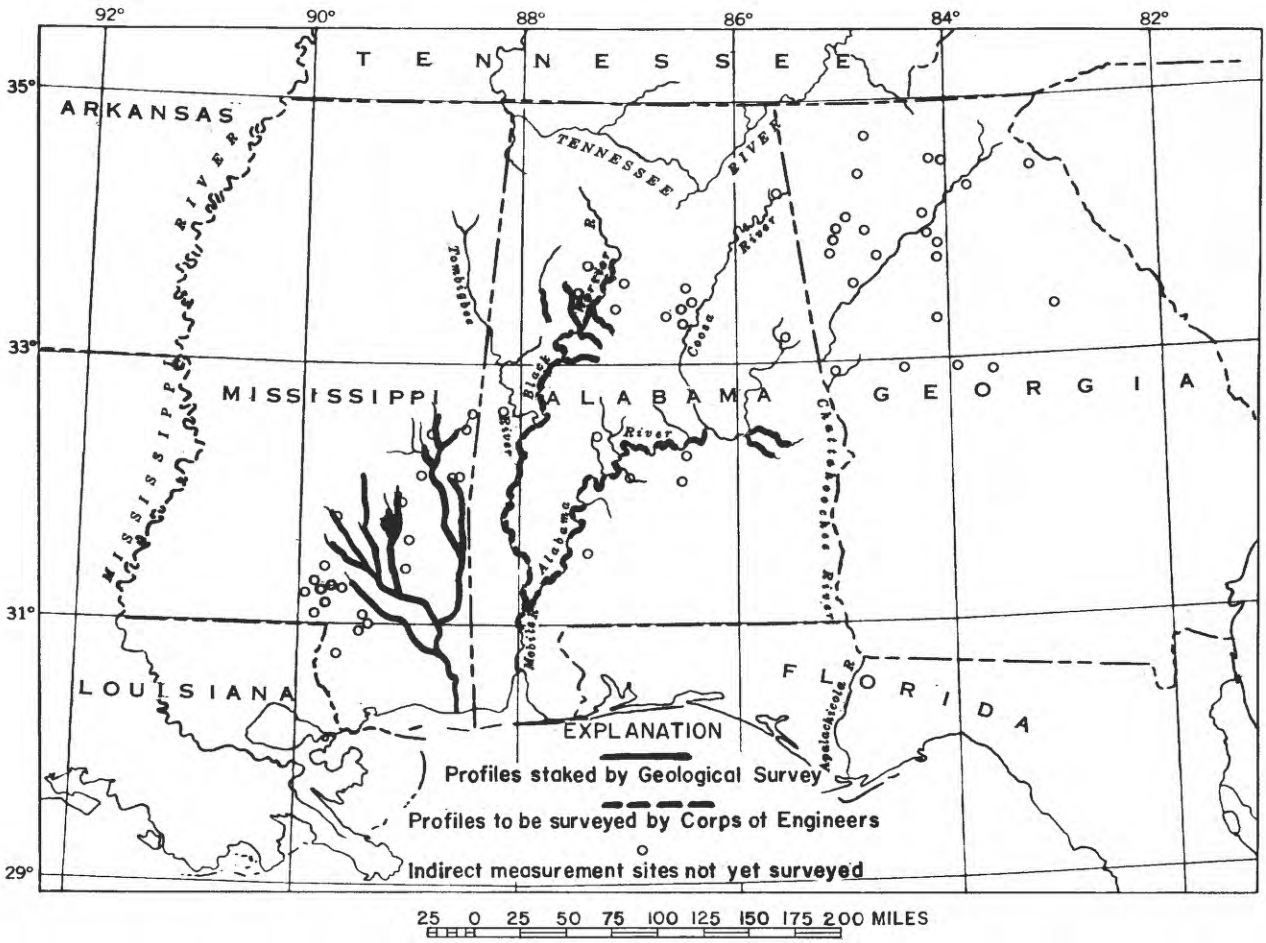

Figure 10.—Map of southeastern States, showing location of indirect measurement sites and flood profiles not yet surveyed, February-March 1961.

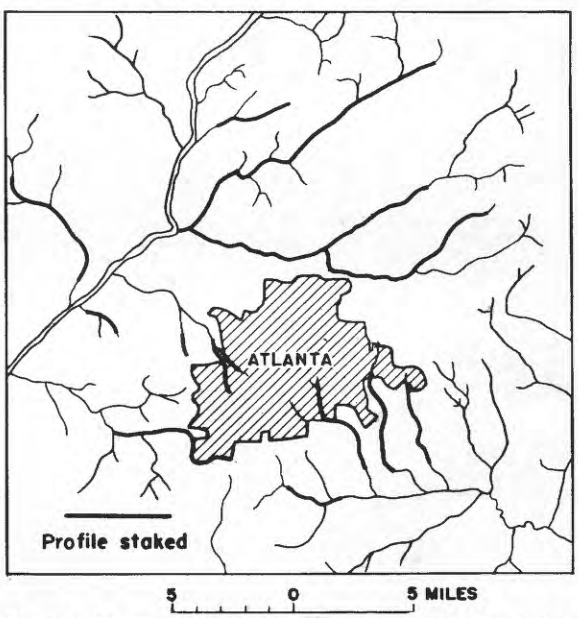

Figure 11.—Map of Atlanta, Ga., and vicinity showing location of flood profiles not yet surveyed, February-March 1961.

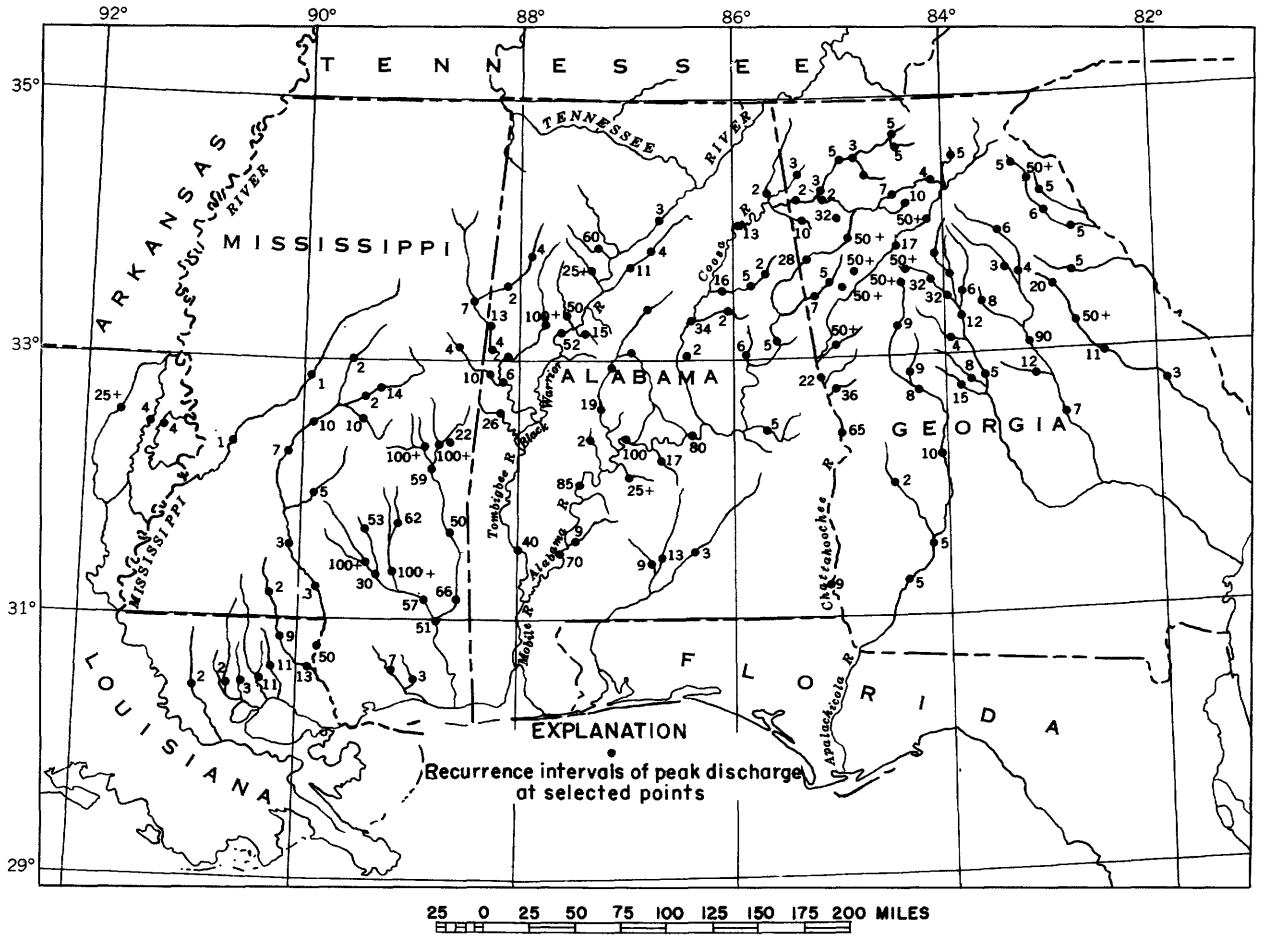

Figure 12.—Map of southeastern States, showing recurrence intervals of peak discharge at selected points, February-March 1961.

Table 2.--Mean discharge (preliminary), in cubic feet per second, February-March 1961, of Tombigbee River at Columbus, Mississippi

Day	February	March	Day	February	March	Day	February	March
1	2,170	38,300	11	5,950	21,400	21	26,900	21,000
2	2,100	32,500	12	4,710	20,500	22	35,100	21,600
3	2,250	27,400	13	4,200	19,400	23	53,500	21,000
4	3,340	22,100	14	3,900	22,600	24	76,200	20,200
5	3,520	16,600	15	3,800	23,700	25	76,200	19,100
6	3,250	12,400	16	3,610	23,100	26	63,600	16,000
7	2,890	10,300	17	3,250	21,600	27	54,500	14,200
8	3,800	8,350	18	3,160	20,100	28	45,800	13,400
9	7,600	21,200	19	9,250	20,200	29	----	21,000
10	7,900	21,600	20	15,400	20,400	30	----	23,700
						31	----	29,600
Monthly mean discharge, in cubic feet per second----------							18,850	20,790
Runoff, in inches----------							4.37	5.34

Table 3.--Mean discharge (preliminary), in cubic feet per second, February-March 1961, of Pascagoula River at Merrill, Mississippi

Day	February	March	Day	February	March	Day	February	March
1	13,200	157,000	11	6,980	38,900	21	63,200	47,000
2	10,000	130,000	12	6,420	36,200	22	81,000	48,800
3	8,500	100,000	13	5,900	32,000	23	98,600	47,900
4	7,540	77,800	14	5,380	28,000	24	109,000	44,400
5	7,540	64,600	15	5,020	24,300	25	134,000	40,400
6	7,540	50,800	16	4,780	20,700	26	159,000	34,400
7	8,550	46,100	17	4,540	20,500	27	177,000	29,200
8	9,000	42,000	18	13,800	29,800	28	175,000	26,400
9	8,550	41,200	19	32,000	38,900	29	----	29,200
10	7,680	40,400	20	51,800	43,600	30	----	37,500
						31	----	48,800
Monthly mean discharge, in cubic feet per second----------							43,380	48,280
Runoff, in inches----------							6.84	8.43

Table 4.--Mean discharge (preliminary), in cubic feet per second, February-March 1961, of Pearl River at Jackson, Mississippi

Day	February	March	Day	February	March	Day	February	March
1	1,780	46,400	11	1,190	10,400	21	11,600	16,500
2	1,540	42,200	12	1,150	9,730	22	14,200	16,900
3	1,460	37,200	13	1,110	9,280	23	18,300	16,900
4	1,380	32,800	14	1,040	9,030	24	22,600	16,900
5	1,420	28,000	15	964	8,950	25	26,200	16,500
6	1,540	24,000	16	910	8,870	26	30,600	15,700
7	1,460	19,800	17	1,270	9,820	27	37,300	15,200
8	1,340	16,500	18	4,830	12,000	28	44,800	15,900
9	1,230	14,100	19	6,660	13,500	29	----	16,700
10	1,190	12,100	20	9,010	15,200	30	----	16,500
						31	----	17,600
Monthly mean discharge, in cubic feet per second----------							8,860	18,100
Runoff, in inches----------							2.98	6.73

Table 5.--Flood stages and discharges

Station No.	Stream and location	Drainage area (sq mi)	Maximum floods						
			Prior to February 1961			February-March 1961			
			Year	Gage height (ft)	Discharge (cfs)	Date	Gage height (ft)	Discharge (cfs)	T (yr)
	SAVANNAH RIVER BASIN								
2-1770	Chattooga River near Clayton, Ga.	207	1940	13.8	29,000	Feb. 25	6.0	7,310	3
2-1820	Panther Creek near Toccoa, Ga.	32.5	1949	18.0	15,100	Feb. 25	6.68	2,220	2
2-1885	South Beaverdam Creek at Dewy Rose, Ga.	35.8	1852	23.6	-------				
			1908	23.6	-------				
			1943	13.4	2,600	Feb. 22	12.2	2,100	5
2-1895	North Fork Broad River near Toccoa, Ga.	19.3	1955	8.33	1,060	Feb. 25	9.00	1,450	5
2-1900	North Fork Broad River near Lavonia, Ga.	42	1933	17.5	-------				
			1955	11.8	1,500	Feb. 21	11.55	1,800	3
2-1905	Toms Creek near Martin, Ga.	10.3	1956	8.41	726	Feb. 21	8.40	1,000	5
2-1910	North Fork Broad River near Carnesville, Ga.	119	1943	7.6	4,700	Feb. 21	14.5	13,000	50+
2-1912	Hudson River at Homer, Ga.	46	1954	11.0	3,170	Feb. 21	12.2	5,500	11
2-1913	Broad River above Carlton, Ga.	760	1908	39.0	70,000	Feb. 22	24	20,500	6
2-1920	Broad River near Bell, Ga.	1,430	1929	34.8	79,400	Feb. 23	23.0	24,300	3
2-1935	Little River near Washington, Ga.	291	1952	27.6	13,100	Feb. 25	24.1	9,110	5
2-1975.5	Little Brier Creek near Thomson, Ga.	24	1952	8.53	960	Feb. 25	8.94	1,270	7
2-1976	Brushy Creek near Wrens, Ga.	28	1960	7.28	752	Feb. 25	5.60	398	2
2-1980	Brier Creek at Millhaven, Ga.	646	1929	25.1	64,000	Mar. 2	12.1	5,790	6
	OGEECHEE RIVER BASIN								
2-1997	South Fork Ogeechee River near Crawfordville, Ga.	33	1953	13.7	2,380	Feb. 25	14.2	2,500	20
2-2001	Little Ogeechee River near Hamburg, Ga.	55	1953	6.13	2,340	Feb. 25	7.37	4,070	50+
2-2005	Ogeechee River near Louisville, Ga.	800	1929	21.3	46,000	Feb. 25	17.0	17,000	11
2-2009	Big Creek near Louisville, Ga.	95.8	1960	5.27	640	Feb. 25	4.46	426	2
2-2020	Ogeechee River at Scarboro, Ga.	1,940	1929	17.0	-------				
			1940	12.8	24,600	Mar. 3,4	11.2	15,500	3
	ALTAMAHA RIVER BASIN								
2-2038	South River at Atlanta, Ga.	41.5	1960	9.79	3,120	Feb. 25	11.09	8,000	50+
2-2039	South River near Atlanta, Ga.	99	1956	13.1	6,930	Feb. 25	21.3	12,000	32
2-2045	South River near McDonough, Ga.	456	1946	24.7	34,500	Feb. 25	25.4	28,000	32
2-2050	Wildcat Creek near Lawrenceburg, Ga.	1.59	1956	8.20	806	Feb. 25	4.96	340	---
2-2055	Pew Creek near Lawrenceburg, Ga.	2.23	1956	6.96	615	Feb. 25	6.40	532	---
2-2060	Shetley Creek near Norcross, Ga.	.98	1956	7.00	510	Feb. 21	10.4	-------	---
2-2065	Yellow River near Snellville, Ga.	134	1948	19.4	9,500	Feb. 25	19.1	9,080	30
2-2070	Garner Creek near Snellville, Ga.	5.54	1956	3.09	727	Feb. 25	4.40	-------	---
2-2075	Yellow River near Covington, Ga.	378	1936	25.6	37,000	Feb. 26	19.1	13,100	9
2-2090	Alcovy River below Covington, Ga.	244	1887	27.2	12,400	Feb. 26	16.9	5,540	6
2-2105	Ocmulgee River near Jackson, Ga.	1,420	1919	26.8	69,000	Feb. 26	20.1	43,100	12
2-2113	Towaliga River near Jackson, Ga.	105	----	-----	-------	Feb. 25	13.9	3,400	3
2-2115	Towaliga River near Forsyth, Ga.	315	1929	-----	[a]15,900	Feb. 25	18.0	9,500	4
2-2130	Ocmulgee River at Macon, Ga.	2,240	1948	28.0	83,500	Feb. 26	24.1	48,200	5
2-2134	Little Tobesofkee near Forsyth, Ga.	16.8	1953	10.7	-------	Feb. 25	10.6	-------	---
2-2135	Tobesofkee Creek near Macon, Ga.	182	1944	23.2	9,830	Feb. 25	20.3	7,390	8
2-2140	Echeconnee Creek near Macon, Ga.	147	1953	15.0	15,000	Feb. 25	13.4	9,840	15
2-2145	Big Indian Creek at Perry, Ga.	108	1944	8.6	3,000	Feb. 25	4.0	300	1
2-2165	Oconee River at Athens, Ga.	283	1929	23.0	9,000	Feb. 26	19.2	6,230	5
2-2170	Allen Creek at Talmo, Ga.	17.3	1952	11.5	1,150	Feb. 21	12.6	-------	---
2-2172	Middle Oconee River near Jefferson, Ga.	128	1952	[b]11.8	6,640	Feb. 25	13.9	-------	---
2-2175	Middle Oconee River near Athens, Ga.	398	1902	[b]25.5	19,600	Feb. 26	18.2	12,200	6
2-2185	Oconee River near Greensboro, Ga.	1,090	1908	[b]35.4	66,800	Feb. 25	21.8	17,200	4
2-2195	Apalachee River near Buckhead, Ga.	436	1908	[b]27.5	28,900	Feb. 26	19.6	11,000	3
2-2205.5	Whitten Creek near Sparta, Ga.	15	----	-----	-------	Feb. 25	16.0	-------	---
2-2210	Murder Creek near Monticello, Ga.	24	1959	7.7	2,510	Feb. 25	6.95	2,060	9
2-2230	Oconee River at Milledgeville, Ga.	2,950	1886	46.6	-------				
			1928	38.7	95,000	Feb. 25	42.9	123,000	90
2-2232	Commissioner Creek at Toomsboro, Ga.	191	1928	22.5	11,200	Feb. 25	18.5	4,400	12
2-2233	Big Sandy Creek near Jeffersonville, Ga.	31	1960	4.78	532	Feb. 25	4.47	359	2
2-2235	Oconee River at Dublin, Ga.	4,400	1936	33.0	96,700	Feb. 28	28.4	60,400	7

See footnotes at end of table.

Table 5.--Flood stages and discharges --Continued

Station No.	Stream and location	Drainage area (sq mi)	Maximum floods: Prior to February 1961 Year	Gage height (ft)	Discharge (cfs)	February-March 1961 Date	Gage height (ft)	Discharge (cfs)	T (yr)
	ALTAMAHA RIVER BASIN (Cont.)								
2-2240	Rocky Creek near Dudley, Ga.	62.9	1948	12.5	-------				
			1960	10.0	2,900	Mar. 2	2.38	154	1
2-2252	Little Ohoopee River near Wrightsville, Ga.	63	1960	8.44	-------	Feb. 25	5.72	338	1
2-2255	Ohoopee River near Reidsville, Ga.	1,110	1925	28.4	47,000	Mar. 3	10.1	2,400	1
	OCHLOCKONEE RIVER BASIN								
2-3275	Ochlockonee River near Thomasville, Ga.	550	1948	29.1	72,000	Feb. 26	9.8	1,360	1
2-3280	Tired Creek near Cairo, Ga.	55	1948	16.3	28,100	Feb. 24	5.8	426	1
	APALACHICOLA RIVER BASIN								
2-3310	Chattahoochee River near Leaf, Ga.	150	1946	13.6	14,100	Feb. 25	9.5	7,700	2
2-3315	Soque River near Demorest, Ga.	156	1949	28.5	21,000	Feb. 25	12.1	5,820	2
2-3316	Chattahoochee River near Cornelia, Ga.	315	1959	10.1	9,840	Feb. 25	12.8	12,900	3
2-3335	Chestatee River near Dahlonega, Ga.	153	1907	25.0	-------				
			1946	22.1	15,300	Feb. 25	15.9	8,510	5
2-3345	Chattahoochee River near Buford, Ga.	1,060	1946	32.6	55,000	Feb. 25	10.4	[c]5,540	---
2-3350	Chattahoochee River near Norcross, Ga.	1,170	1946	27.7	55,000	Feb. 21	10.6	[c]8,950	---
2-3355	Chattahoochee River near Roswell, Ga.	1,230	1946	23.4	56,000	Feb. 25	10.3	[c]10,000	---
2-3357	Big Creek near Alpharetta, Ga.	72	----	-----	-------	Feb. 21	12.5	7,400	50+
2-3360	Chattahoochee River at Atlanta, Ga.	1,450	1946	28.0	59,000	Feb. 25	18.3	[c]24,900	---
2-3363	Peachtree Creek at Atlanta, Ga.	86.8	----	-----	-------	Feb. 25	17.0	5,800	17
2-3370	Sweetwater Creek near Austell, Ga.	246	1916	20.0	8,960	Feb. 26	18.2	7,840	9
2-3374	Dog River near Douglasville, Ga.	43	1956	14.5	7,400	Feb. 21	16.15	10,000	50+
2-3375	Snake Creek near Whitesburg, Ga.	37	1956	12.8	6,110	Feb. 25	14.4	8,200	50+
2-3390	Yellowjacket Creek near LaGrange, Ga.	182	1956	11.4	7,140	Feb. 25	22.5	22,000	50+
2-3395	Chattahoochee River at West Point, Ga.	3,550	1919	[b]30.0	134,000	Feb. 26	24.9	95,000	22
2-3405	Mountain Creek near Hamilton, Ga.	61.7	1948	[b]16.6	11,800	Feb. 25	6.8	5,600	36
2-3407.50	Osanippi Creek near Fairfax, Ala.	101	1956	11.7	7,100	Feb. 26	16.08	12,800	50+
2-3422	Phelps Creek near Opelika, Ala.	7.47	1960	8.13	509	Feb. 24	8.81	639	---
2-3423.75	Uchee Creek near Seale, Ala.	134	1958	13.1	3,900	Feb. 25	11.29	2,900	1
2-3415	Chattahoochee River at Columbus, Ga.	4,670	1929	53.2	198,000	Feb. 26	47.8	145,000	65
2-3435	Chattahoochee River at Columbia, Ala.	8,040	1929	56.0	203,000	Feb. 27	47.7	105,000	9
	FLINT RIVER BASIN								
2-3443	Camp Creek near Fayetteville, Ga.	17	----	-----	-------	Feb. 25	9.9	3,400	50+
2-3445	Flint River near Griffin, Ga.	272	1929	17.9	15,300	Feb. 26	16.1	10,800	9
2-3465	Potato Creek near Thomaston, Ga.	186	1948	8.8	9,240	Feb. 25	8.5	8,100	9
2-3475	Flint River near Culloden, Ga.	1,850	1929	[b]38.4	92,000	Feb. 25	32.8	49,400	8
2-3495	Flint River at Montezuma, Ga.	2,990	1897	[b]26.0	97,000				
			1929	27.4	92,000	Feb. 28	24.0	58,800	10
2-3506	Kinchafoonee Creek at Preston, Ga.	197	1943	11.4	-------				
			1953	8.80	6,000	Feb. 24	7.20	2,200	2
2-3525	Flint River at Albany, Ga.	5,310	1925	[b]37.8	92,000	Mar. 3	29.0	48,000	5
2-3530	Flint River at Newton, Ga.	5,740	1925	41.3	94,000	Mar. 4	47.7	45,700	5
2-3535	Ichawaynochaway Creek at Milford, Ga.	620	1916	17.2	15,500	Mar. 5	3.1	1,400	1
2-3570	Spring Creek near Iron City, Ga.	485	1948	19.9	12,600	Mar. 1	7.3	660	1
	CHOCTAWHATCHEE RIVER BASIN								
2-3630	Pea River near Ariton, Ala.	492	1929	25	-------				
			1943	19.98	19,100	Feb. 22	15.77	7,050	2
	MOBILE RIVER BASIN								
2-3710	Conecuh River near Troy, Ala.	253	1948	16.1	18,000	Feb. 26	13.42	7,700	2
2-3712	Indiana Creek near Troy, Ala.	8.88	1960	4.47	485	Feb. 18	5.20	.720	---
2-3715	Conecuh River at Brantley, Ala.	492	1948	23.0	15,800	Feb. 27	20.09	10,300	3
2-3720	Patsaliga Creek at Luverne, Ala.	249	1948	16.8	16,700	Feb. 26	15.07	10,300	4
2-3725	Conecuh River near Andalusia, Ala.	1,344	1929	47.64	154,000	Feb. 28	32.45	20,100	3

See footnotes at end of table.

Table 5.--Flood stages and discharges --Continued

Station No.	Stream and location	Drainage area (sq mi)	Maximum floods						
			Prior to February 1961			February-March 1961			
			Year	Gage height (ft)	Discharge (cfs)	Date	Gage height (ft)	Discharge (cfs)	T (yr)
	MOBILE RIVER BASIN (Cont.)								
2-3730	Sepulga River near McKenzie, Ala.	464	1929	33	-------				
			1938	24.5	28,100	Feb. 26	24.7	24,000	9
2-3735	Pigeon Creek near Thad, Ala.	296	1929	30	-------				
			1948	27.1	17,100	Feb. 27	27.22	17,400	13
2-3745	Murder Creek near Evergreen, Ala.	170	1938	16.65	20,000	Feb. 25	16.13	-------	---
2-3750	Escambie Creek at Flomaton, Ala.	323	1955	19.4	42,400	Feb. 25	12.08	9,430	2
2-3775	Styx River near Loxley, Ala.	93.2	1926	22.2	-------				3
			1953	19.73	14,000	Feb. 19	12.39	3,300	---
2-3785	Fish River near Silver Hill, Ala.	55.1	1953	17.04	8,570	Feb. 19	12.97	2,900	---
2-3795	Cartecay River near Ellijay, Ga.	135	1938	13.0	20,000	Feb. 25	7.1	5,450	5
2-3800	Ellijay River at Ellijay, Ga.	90	1954	16.3	7,940	Feb. 25	12.7	4,030	5
2-3820	Scarecorn Creek at Hinton, Ga.	21.1	1942	9.2	-------	Feb. 25	9.1	-------	---
2-3830	Rock Creek near Fairmount, Ga.	5.61	1954	4.18	820	Feb. 25	4.02	750	20
2-3835	Coosawattee River at Pine Chapel, Ga.	856	1951	30.8	40,200	Feb. 26	26.1	17,400	3
2-3840	Conasauga River near Tennga, Ga.	108	1958	18.2	19,400	Feb. 23	15.7	10,600	2
2-3850	Coahulla Creek near Varnell, Ga.	87	1951	15.7	13,000	Feb. 23	11.8	3,000	2
2-3858	Holly Creek near Chatsworth, Ga.	64.9	----	-----	-------	Feb. 23	10.2	-------	---
2-3870	Conasauga River at Tilton, Ga.	682	1951	30.2	11,000	Feb. 25	24.3	16,300	4
2-3875	Oostanaula River at Resaca, Ga.	1,610	1886	36.6	68,600	Feb. 27	29.2	31,700	5
2-3880	West Armuchee Creek near Subligna, Ga.	34.5	----	-----	-------	Feb. 23	8.5	3,000	4
2-3885	Oostanaula River near Rome, Ga.	2,150	1947	35.1	47,000	Feb. 26	32.6	30,100	3
2-3889	Etowah River near Dahlonega, Ga.	68	----	12.8	3,800	Feb. 25	13.4	-------	---
2-3890	Etowah River near Dawsonville, Ga.	103	1946	15.8	4,780	Feb. 25	14.6	4,150	4
2-3893	Shoal Creek near Dawsonville, Ga.	20.5	1959	5.78	1,500	Feb. 25	7.66	2,430	4
2-3920	Etowah River at Canton, Ga.	605	1892	25.0	36,700	Feb. 26	23.2	19,300	7
2-3925	Little River near Roswell, Ga.	60.5	1946	18.0	5,000	Feb. 21	15.6	3,750	10
2-3944	Pumpkinvine Creek below Dallas, Ga.	40	1954	15.6	2,850	Feb. 21	20.3	6,600	50+
2-3949	Hills Creek near Taylorsville, Ga.	26	1960	8.0	577	Feb. 21	10.4	3,000	32
2-3960	Etowah River at Rome, Ga.	1,810	1919	[b]28.0	55,000	Feb. 25	30.4	[c]20,500	2
2-3970	Coosa River near Rome, Ga.	------	1886	43	100,000	Feb. 26	30.2	39,000	2
2-3975	Cedar Creek near Cedartown, Ga.	109	1948	16.4	12,500	Feb. 21	16.2	8,300	10
2-3980	Chattooga River at Summerville, Ga.	193	1951	21.0	24,500	Feb. 23	[d]16.4	8,220	3
2-3985	Chattooga River at Gaylesville, Ala.	377	1951	25.42	33,700	Feb. 23	[d]19.44	-------	---
2-3990	Little River near Jamestown, Ala.	121	1948	12.9	21,800	Feb. 22	7.55	7,430	2
2-3992	Little River near Blue Pond, Ala.	194	----	-----	-------	Feb. 23	10.08	11,800	2
2-3995	Coosa River at Leesburg, Ala.	5,270	1946	-----	73,200				
			1947	35.1	-------	Feb. 24	[e]37.7	-------	---
2-3998	Little Terrapin Creek near Borden Spring, Ala.	15.9	----	-----	-------	Feb. 22	8.24	1,930	---
2-4000	Terrapin Creek near Piedmont, Ala.	115	1948	13.3	21,000	Feb. 21	12.00	14,600	5
2-4005	Coosa River at Gadsden, Ala.	5,800	1886	37.9	-------				
			1936	31.13	76,900	Feb. 26	30.61	71,300	13
2-4010	Big Willis Creek near Crudup, Ala.	185	1884	16.3	-------				
			1951	14.50	14,800	Feb. 23	11.56	5,700	2
2-4015	Big Canoe Creek near Gadsden, Ala.	256	1942	29.1	37,900	Feb. 23	23.58	19,500	7
2-4017	Ohatchee Creek at Reads, Ala.	44.2	1951	14.2	-------				
			1957	9.1	3,060	Feb. 21	11.88	-------	---
2-4018	Tallahatchee Creek near Wellington, Ala.	88.6	1958	15.2	3,480	Feb. 21	17.06	-------	---
2-4032	Choccolocco Creek at Choccolocco, Ala.	129	1957	11.95	6,860	Feb. 21	10.88	4,400	2
2-4040	Choccolocco Creek near Jenifer, Ala.	281	1936	17.2	21,900	Feb. 22	15.12	15,800	5
2-4042.45	Cheaha Creek near Talladega, Ala.	72	1951	20.2	-------	Feb. 22	16.32	7,000	16
2-4045	Choccolocco Creek near Lincoln, Ala.	499	1886	27.5	-------				
			1951	25.5	49,300	Feb. 22	22.09	28,000	16
2-4055	Kelly Creek near Vincent, Ala.	192	1955	20.86	10,500	Feb. 22	27.08	-------	---
2-4060	Talladega Creek near Talladega, Ala.	98.4	1951	19	33,000	Feb. 21	11.70	5,600	2
2-4065	Talladega Creek at Alpine, Ala.	148	1951	16.6	39,000	Feb. 22	14.63	10,200	2
2-4070	Coosa River at Childersburg, Ala.	8,390	1951	30.1	146,000	Feb. 23	30.4	145,000	34
2-4075	Yellowleaf Creek near Wilsonville, Ala.	97.2	1951	23.85	19,300	Feb. 21	25.2	-------	---

See footnotes at end of table.

Table 5.--Flood stages and discharges --Continued

Station No.	Stream and location	Drainage area (sq mi)	Maximum floods						
			Prior to February 1961			February-March 1961			
			Year	Gage height (ft)	Discharge (cfs)	Date	Gage height (ft)	Discharge (cfs)	T (yr)
	MOBILE RIVER BASIN (Cont.)								
2-4079	Paint Creek near Marble Valley, Ala.	13.5	1960	4.26	424	Feb. 19	5.24	810	---
2-4085	Hatchet Creek near Rockford, Ala.	244	1946	24.9	22,800	Feb. 25	17.83	9,750	2
2-4090	Weogufka Creek near Weogufka, Ala.	73.6	1951	16.8	24,200	Feb. 22	10.92	3,130	---
2-4118	Little River near Buchanan, Ga.	18	1960	------	-------	Feb. 21	12.5	-------	---
2-4119	Tallapoosa River at Tallapoosa, Ga.	237	1948	27.4	20,000	Feb. 22	24.7	11,500	28
2-4120	Tallapoosa River near Heflin, Ala.	444	1957	21.4	9,140	Feb. 22	26.39	-------	---
2-4125	Tallapoosa River near Ofelia, Ala.	787	1948	16.2	24,500	Feb. 23	15.42	22,400	6
2-4130	Little Tallapoosa River at Carrollton, Ga.	89	1948	19.3	6,010	Feb. 25	14.2	3,430	5
2-4132	Little Tallapoosa River near Bowdon, Ga.	210	1948	22.5	9,500	Feb. 26	17.8	5,200	7
2-4134	Wedowee Creek above Wedowee, Ala.	9.7	1960	5.58	697	Feb. 25	5.47	676	---
2-4134.75	Wedowee Creek near Wedowee, Ala.	47	1956	12.7	3,900	Feb. 25	13.01	4,200	---
2-4135	Little Tallapoosa River near Wedowee, Ala.	592	1948	20.8	20,800	Feb. 25	22.58	25,500	8
2-4145	Tallapoosa River at Wadley, Ala.	1,660	1936	27.9	52,800	Feb. 25	25.4	45,400	5
2-4148	Harbuck Creek near Hackneyville, Ala.	6.7	1955	8.9	-------	Feb. 25	3.80	551	---
2-4150	Hillabee Creek near Hackneyville, Ala.	196	1957	25.7	15,600	Feb. 25	20.97	9,270	6
2-4190	Uphapee Creek near Tuskegee, Ala.	330	1929	29	-------				
			1943	27.33	29,600	Feb. 25	25.82	24,400	5
2-4196.25	Calebe Creek near Tuskegee, Ala.	126	1958	17.4	23,000	Feb. 25	16.60	14,200	6
2-4200	Alabama River near Montgomery, Ala.	15,100	1886	62.7	-------				
			1888	-----	274,000	Feb. 27	60.65	283,000	80
2-4205	Autauga Creek at Prattville, Ala.	109	1919	18.8	23,000	Feb.21,25	6.03	3,800	4
2-4210	Catoma Creek near Montgomery, Ala.	298	1948	27.5	32,000	Feb. 25	28.65	48,000	---
2-4220	Big Swamp Creek near Lowndesboro, Ala.	247	1948	21.3	37,000	Feb. 25	20.10	32,000	17
2-4225	Mulberry Creek at Jones, Ala.	208	1938	33.6	48,000	Feb. 25	9.99	5,300	1
2-4230	Alabama River at Selma, Ala.	17,100	1886	57.0	221,000	Mar. 1	58.35	284,000	100+
2-4235	Cahaba River near Action, Ala.	230	1942	44.23	25,500	Feb. 22	42.66	23,200	15
2-4238	Little Cahaba River near Brierfield, Ala.	148	1958	12.10	3,860	Feb. 21	21.07	10,000	3
2-4240	Cahaba River at Centerville, Ala.	1,029	1938	36.63	-------				
			1951	------	83,600	Feb. 23	35.35	91,000	20
2-4245	Cahaba River at Sprott, Ala.	1,378	1938	28.55	95,000	Feb. 23	28.90	93,000	19
2-4250	Cahaba River near Marion Junction, Ala.	1,780	1939	42.95	83,400	Feb. 24	43.80	-------	---
2-4255	Cedar Creek at Minter, Ala.	217	1956	21.5	14,100	Feb. 25	24	-------	---
2-4260	Boguechitto Creek near Browns, Ala.	104	1951	19.0	14,200	Feb. 22	15.75	5,540	1
2-4273	Prarie Creek near Oakhill, Ala.	9.73	1960	12.23	1,270	Feb. 24	14.15	1,650	---
2-4275	Alabama River near Millers Ferry, Ala.	20,700	1929	56.8	238,000	Mar. 3	60.0	284,000	85
2-4277	Turkey Creek at Kimbrough, Ala.	114	1959	6.51	1,900	Feb. 18	19.64	7,200	10
2-4285	Flat Creek at Fountain, Ala.	245	1948	23.2	26,000	Feb. 25	22.00	20,200	9
2-4290	Limestone Creek near Monroeville, Ala.	117	1929	22	-------				
			1955	11.50	9,790	Feb. 25	16.28	-------	---
2-4295	Alabama River at Clairborne, Ala.	22,000	1938	52.25	227,000	Mar. 7	55.15	267,000	70
2-4310	East Fork Tombigbee River near Fulton, Miss.	605	1955	25.75	82,200	Feb. 22	17.50	12,500	1
2-4360	Chiwapa Creek at Shannon, Miss.	136	1955	16.35	35,500	Feb. 22	12.75	7,310	---
2-4365	West Fork Tombigbee River near Nettleton, Miss.	617	1955	33.88	151,000	Feb. 21	28.30	25,000	2
2-4370	Tombigbee River near Amory, Miss.	1,941	1955	34.47	126,000	Feb. 22	26.82	31,600	3
2-4375	Tombigbee River at Aberdeen, Miss.	2,210	1955	42.9	106,000	Feb. 23	38.03	28,000	3
2-4410	Tibbee Creek near Tibbee, Miss.	928	1926	31.5	-------				
			1951	[f]----	75,000	Feb. 22	29.07	47,000	
2-4415	Tombigbee River at Columbus, Miss.	4,490	1892	[f]44.1	-------				
			1949	39.32	148,000	Feb. 24	35.09	77,000	
2-4420	Luxapalila Creek near Fayette, Ala.	127	1949	13.8	9,910	Feb. 21	12.93	9,520	4
2-4425	Luxapalila Creek at Millport, Ala.	241	1957	11.8	5,060	Feb.22,23	14.21	6,700	
2-4430	Luxapalila Creek at Steens, Miss.	309	1949	19.2	16,000	Feb. 24	18.90	14,000	3
2-4440	Coal Fire Creek near Pickensville, Miss.	131	1960	8.60	3,060	Feb. 22	10.11	7,800	13
2-4445	Tombigbee River near Cochrane, Ala.	5,990	1892	50.2	-------				
			1948	------	163,000	Feb. 27	41.72	68,500	4
2-4450	Lubbub Creek near Carrollton, Ala.	116	1960	9.27	2,720	Feb. 22	11.97	8,100	13
2-4465	Sipsey River near Elrod, Ala.	518	1950	------	-------	Feb. 23	18.83	28,000	100+

See footnotes at end of table.

Table 5.--Flood stages and discharges.--Continued

Station No.	Stream and location	Drainage area (sq mi)	Maximum floods						
			Prior to February 1961			February-March 1961			
			Year	Gage height (ft)	Discharge (cfs)	Date	Gage height (ft)	Discharge (cfs)	T (yr)
	MOBILE RIVER BASIN (Cont.)								
2-4470	Sipsey River near Pleasant Ridge, Ala.	753	1951	------	21,900	Feb. 25	------	31,700	100+
2-4475	Noxubee River near Brooksville, Miss.	440	1951	23.88	55,000	Feb. 22	20.53	14,000	---
2-4480	Noxubee River at Macon, Miss.	812	1892	34	-------				
			1951	------	52,000	Feb. 22	30.01	22,000	---
2-4485	Noxubee River near Geiger, Ala.	1,140	1951	42.7	37,600	Feb. 24	40.39	27,500	10
2-4490	Tombigbee River at Gainesville, Ala.	8,700	1949	53.9	168,000	Feb. 26	50.95	114,000	6
2-4494	Jones Creek near Epes, Ala.	11.7	1959	13.11	1,530	Feb. 21	21.42	-------	---
2-4500	Mulberry Fork near Garden City, Ala.	368	1936	24.0	46,600	Feb. 22	18.51	29,000	3
2-4520	Sipsey Fork near Jasper, Ala.	971	1957	53.1	47,300	Feb. 23	25.37	-------	---
2-4530	Blackwater Creek near Manchester, Ala.	188	1946	11.49	8,050	Feb. 23	13.10	11,000	60
2-4539	Lost Creek near Jasper, Ala.	116	1951	24.8	11,600	-------	24.75	11,500	5
2-4540	Lost Creek near Oakman, Ala.	130	1957	24.9	7,350	Feb. 23	30.70	-------	---
2-4545	Locust Fork below Snead, Ala.	147	1954	25.1	7,750	Feb. 22	29.65	9,500	2
2-4550	Locust Fork near Cleveland, Ala.	309	1942	19.2	47,000	Feb. 22	13.91	23,500	4
2-4555	Locust Fork at Trafford, Ala.	625	1908	60	-------				
			1949	-----	60,700	Feb. 23	53.38	47,000	6
2-4560	Turkey Creek at Morris, Ala.	81.5	1948	23.1	11,600	Feb. 21	21.88	12,000	10
2-4565	Locust Fork at Sayre, Ala.	887	1949	47.9	55,300	Feb. 23	48.6	55,000	11
2-4570	Fivemile Creek at Ketona, Ala.	22.8	1959	6.5	1,300	Feb. 21	10.37	-------	---
2-4605	Village Creek near Adamsville, Ala.	84.1	1955	13.38	6,020	-------	19.04	-------	---
2-4626	Blue Creek near Oakman, Ala.	5.7	1960	4.5	887	Feb. 21	7.16	-------	---
2-4628	Davis Creek below Abernant, Ala.	45.2	1957	11.1	2,630	Feb. 22	18.30	5,900	---
2-4635	Hurricane Creek near Holt, Ala.	108	1951	22.5	-------				
			1956	-----	8,380	Feb. 21	22.23	13,800	8
2-4640	North River near Samantha, Ala.	220	1916	31	-------				
			1951	30.7	18,000	Feb. 22	30.3	17,600	24
2-4645	North River near Tuscaloosa, Ala.	366	1916	30.9	-------				
			1955	18.43	11,300	Feb. 22	33.10	26,200	50
2-4650	Black Warrior River at Tuscaloosa, Ala.	4,828	1900	67.7	-------				
			1951	-----	223,000	Feb. 21	66.80	227,000	50+
2-4654	Big Sandy Creek at Duncanville, Ala.	56	1951	15.8	-------				
			1958	11.7	956	-------	14.38	7,000	---
2-4655	Fivemile Creek near Greensboro, Ala.	72.2	1956	8.37	3,540	Feb. 22	9.84	7,200	
2-4660	Black Warrior River near Eutaw, Ala.	5,797	1951	[b]59.1	183,000	-------	60.3	213,000	47
2-4670	Tombigbee River at Demopolis, Ala.	15,400	1900	[b]52.25	227,000	Feb. 28	35.66	250,000	40
2-4675	Sucarnoochee River at Livingston, Ala.	606	1951	27.6	21,500	Feb. 22	29.35	28,000	26
2-4680	Alamuchee Creek near Cuba, Ala.	63	1956	15.98	1,630	Feb. 22	18.03	12,000	---
2-4695	Tuckabum Creek near Butler, Ala.	112	1956	17.25	4,570	Feb. 22	20.13	6,300	---
2-4696	Bashi Creek near Campbell, Ala.	86.3	1916	25	-------				
			1960	23.10	4,000	Feb. 18	23.05	4,000	---
2-4700	Tombigbee River near Leroy, Ala.	19,100	1884	51.8	280,000	Mar. 4,5	48.24	251,000	40
------	Mobile River at U. S. Interstate Hwy. 65 site..	------	----	------	-------	Mar. 11	------	515,000	---
------	Mobile River at U. S. Hwy. 90.	------	----	------	-------	Mar. 10	------	533,000	---
2-4711	Leaf River near Raleigh, Miss.	143	1940	26.2	7,000	Feb. 22	27.12	16,000	---
	PASCAGOULA RIVER BASIN								
2-4720	Leaf River near Collins, Miss.	752	1856	33	-------	Feb. 23	31.85	48,000	50
2-4725	Bowie Creek near Hattiesburg, Miss.	304	1900	33½	-------				
			1943	------	20,100	Feb. 22	26.8	35,700	50+
2-4730	Leaf River near Hattiesburg, Miss.	1,760	1900	33.6	-------				
			1943	------	71,300	Feb. 23	31.53	72,200	30
2-4735	Tallahala Creek at Laurel, Miss.	233	1919	26	-------				
			1947	------	13,700	Feb. 23	22.36	18,800	50+
2-4745	Tallahala Creek near Runnelstown, Miss.	612	1900	30½	-------				
			1947	------	19,300	Feb. 25	25.07	33,000	50+

See footnotes at end of table.

Table 5.--Flood stages and discharges --Continued

Station No.	Stream and location	Drainage area (sq mi)	Maximum floods						
			Prior to February 1961			February-March 1961			
			Year	Gage height (ft)	Discharge (cfs)	Date	Gage height (ft)	Discharge (cfs)	T (yr)
	PASCAGOULA RIVER BASIN (Cont.)								
2-4746.5	Buck Creek near Runnelstown, Miss.	19.1	1951	94.54	3,800	Feb. 18	94.30	3,100	---
2-4750	Leaf River near McLain, Miss.	3,510	1900	32	-------				
			1943	------	88,300	Feb. 26	31.7	128,000	50+
2-4755	Chunky Creek near Chunky, Miss.	368	1950	25.08	30,700	Feb. 22	25.8	36;000	50+
2-4760	Oaktibbee Creek near Meridian, Miss.	289	1938	29.5	-------				
			1950	------	16,300	Feb. 22	26.14	27,000	50+
2-4765	Sowashee Creek at Meridian, Miss.	51.9	1936	26.5	-------				
			1951	20.09	8,030	Feb. 21	19.63	7,500	20
2-4770	Chickasawhay River at Enterprise, Miss.	913	1900	37.2	-------				
			1950	------	33,500	Feb. 23	37.94	60,000	50+
2-4771.5	Pachuta Creek at Pachuta, Miss.	23	1957	267.6	4,400	Feb. 22	268.32	6,000	50+
2-4775	Chickasawhay River near Waynesboro, Miss.	1,660	1900	50	-------				
			1947	39.00	26,000	Feb. 26	47.90	58,000	40
2-4785	Chickasawhay River at Leakesville, Miss.	2,680	1938	34.12	-------				
			1944	------	39,600	Feb. 28	33.55	73,500	50+
2-4790	Pascagoula River at Merrill, Miss.	6,600	1900	32.5	-------				
			1938	------	154,000	Feb. 27	30.6	177,000	50+
2-4791	Black Creek near Purvis, Miss.	------	1959	26.30	7,300	Feb. 21	28.20	12,000	---
2-4795	Escatawpa River near Wilmer, Ala.	560	1959	24.66	30,000	Feb. 22	21.86	17,300	2
	BILOXI RIVER BASIN								
2-4805	Tuxachanie River near Biloxi, Miss.	92.4	1907-09	23	-------				
			1957	22.22	17,000	Feb. 19	15.1	4,810	3
2-4810	Biloxi River at Wortham, Miss.	98.3	1948	23.3	-------				
			1957	21.08	7,740	Feb. 19	18.9	7,180	8
	WOLF RIVER BASIN								
2-4814	Wolf River near Poplarville, Miss.	71	1960	189.45	5,000	Feb. 18	191.94	9,300	50+
2-4814.5	Murder Creek near Poplarville, Miss.	21.6	1953	14.44	2,030	Feb. 18	13.94	1,450	3
	PEARL RIVER BASIN								
2-4820	Pearl River at Edinburg, Miss.	898	1902	29.0	-------				
			1935	------	31,400	Feb. 25	26.5	27,000	14
2-4825	Lobutcha Creek near Carthage, Miss.	313	1951	[d]18.00	19,000	Feb. 22	16.03	6,500	2
2-4830	Tuscolameta Creek at Walnut Grove, Miss.	411	----	[d]24.5	-------				
			1950	23.00	34,600	Feb. 22	19.85	23,000	10
2-4840	Yockanookany River near Kosciusko, Miss.	------	1951	18.72	19,000	Feb. 23	14.48	5,300	2
2-4850	Pearl River at Meeks Bridge near Canton, Miss.	2,780	1932	26.4	-------				
			1951	------	57,800	Feb. 26	26.08	55,000	10
2-4860	Pearl River at Jackson, Miss.	3,100	1902	37.2	80,800	Mar. 1	35.00	46,200	8
2-4873	Strong River near Puckett, Miss.	------	1960	20.80	3,250	Feb. 22	26.35	16,000	---
2-4875	Strong River at D'lo, Miss.	429	1950	33.0	24,800	Feb. 23	29.3	15,000	5
2-4876	Dobbs Creek near D'lo, Miss.	55.1	1955	24.65	7,950	Feb. 22	22.71	2,400	---
2-4876.2	Riles Creek near Mendenhall, Miss.	25.3	1950	26.29	9,050	Feb.	20.84	3,380	4
2-4885	Pearl River near Monticello, Miss.	5,040	1902	33	-------				
			1950	29.44	59,300	Mar. 7	26.61	42,000	3
2-4890	Pearl River near Columbia, Miss.	5,690	1874	31	-------				
			1938	26.40	72,000	Feb. 24	22.3	43,000	3
2-4892	Ten Mile Creek near Columbia, Miss.	39.9	1955	19.0	11,300	Feb.	18.1	9,200	50+
2-4894	Pushepatapa Creek at Varnado, La.	158	1950	44.69	8,800	Feb. 22	49.14	-------	---
2-4895	Pearl River near Bogalusa, La.	6,630	1938	21.0	-------				
			1947	------	60,000	Feb. 23	21.70	87,000	50
2-4900	Bogue Lusa Creek near Franklinton, La.	12.1	1948	11.0	4,020	Feb. 21	11.9	5,300	25
2-4905	Bogue Chitto near Tylertown, Miss.	502	1936	34½	-------				
			1950	33.50	45,700	Feb. 22	22.20	15,000	2
2-4905.5	Middle Fork Hickory Flat near Tylertown, Miss.	1.37	1953	24.9	2,300	Feb.	16.28	370	---
2-4907	Union Creek near Tylertown, Miss.	12.6	1953	19.2	12,800	Feb.	16.38	2,130	10
2-4907.5	McGees Creek at Tylertown, Miss.	130	1955	26.54	12,400	Feb.	26.51	12,300	40

See footnotes at end of table.

Table 5.--Flood stages and discharges--Continued

Station No.	Stream and location	Drainage area (sq mi)	Maximum floods						
			Prior to February 1961			February-March 1961			
			Year	Gage height (ft)	Discharge (cfs)	Date	Gage height (ft)	Discharge (cfs)	T (yr)
	PEARL RIVER BASIN (Cont.)								
2-4915	Bogue Chitto at Franklinton, La.	985	1943	18.46	50,000	Feb. 22	18.5	50,000	30
2-4918	Bogue Chitto at Enon, La.	1,107	1955	43.77	52,100	Feb. 22	45.26	-------	---
2-4920	Bogue Chitto near Bush, La.	1,210	1943	15.9	51,200	Feb. 23	17.04	56,000	13
	LOWER MISSISSIPPI RIVER BASIN								
7-2680	Tallahatchie River at Etta, Miss.	526	1955	29.32	79,000	Feb. 21	23.97	19,800	2
7-2710	Clear Creek near Oxford, Miss.	10.3	1957	------	3,980	Feb. 20	4.50	1,120	1
7-2740	Yocona River near Oxford, Miss.	262	1955	23.72	44,100	Feb. 22	21.10	9,320	2
7-2830	Skuna River at Bruce, Miss.	254	1955	24.11	61,400	Feb. 20	20.24	12,000	3
7-2885	Sunflower River at Sunflower, Miss.	767	1958	28.31	9,300	Feb. 24	27.2	7,700	10
7-2895	Big Black River at Pickens, Miss.	1,460	1926	23.7	-------				
			1951	22.20	49,400	Feb. 24	18.45	12,000	1
7-2900	Big Black River near Bovina, Miss.	2,810	1951	------	58,600				
			1958	39.74	-------	Feb. 28	34.52	17,000	2
7-2910	Homochitto River at Eddiceton, Miss.	180	1939	16.37	30,900	Feb. 18	7.22	6,000	1
7-2925	Homochitto River at Rosetta, Miss.	750	1949	37.8	-------				
			1953	-----	59,400	Feb. 18	23.30	17,000	5
7-2950	Buffalo River near Woodville, Miss.	182	1948	16.2	39,900	Feb. 17	9.84	12,000	1
7-3677	Boeuf River near Arkansas-Louisiana State line.	785	1948	22.8	-------				
			1958	-----	14,700	Feb. 23	22.64	15,800	---
7-3680	Boeuf River near Girard, La.	1,226	1958	19.31	3,070	Feb. 26	15.08	2,100	---
7-3690	Bayou LaFourche near Crew Lake, La.	361	1947	28.72	-------				
			1958	------	26,800	Feb. 24	26.42	23,000	25+
7-3695	Tensas River at Tendal, La.	309	1948	24.78	4,610	Feb. 24	20.67	2,800	4
7-3700	Bayou Macon near Delhi, La.	782	1958	26.00	4,760	Feb. 24	23.39	5,020	4
7-3750	Tchefuncta River near Folsom, La.	95.5	1953	22.26	18,000	Feb. 22	22.09	14,600	11
7-3750.5	Tchefuncta River near Covington, La.	145	1953	20.47	15,000	Feb. 22	19.93	13,600	---
7-3755	Tangipohoa River at Robert, La.	646	1953	23.13	50,500	Feb. 22	21.28	37,700	11
7-3760	Tickfaw River at Holden, La.	242	1943	19.75	9,680	Feb. 23	16.55	5,180	2
7-3765	Natalbany River at Baptist, La.	79.5	1953	19.73	9,550	Feb. 21	15.87	4,930	3
7-3770	Amite River near Darlington, La.	580	1955	18.18	55,700	Feb. 19	12.22	7,800	---
7-3785	Amite River near Denham Springs, La.	1,330	1921	35.4	-------				
			1953	------	67,000	Feb. 20	25.63	22,600	2
7-3801.8	West Colyell Creek near Walker, La.	28.5	1953	10.00	4,800	Feb. 22	7.63	2,000	---
	TENNESSEE RIVER BASIN								
3-5667	South Chickamauga Creek at Ringgold, Ga.	161	1948	24.3	9,650	Feb. 23	8.83	2,800	---
3-5672	West Chickamauga Creek near Kensington, Ga.	73	1951	18.5	-------	Feb. 23	14.8	5,000	5

a Maximum daily discharge.
b Site and datum then in use.
c Extensive regulation.
d Rating altered by channel clearing.
e In pool of Weiss dam completed in 1961.
f At site 1,100 feet upstream from gage.

INT.DUP.,D.C.61- 93605