



# Floods of December 1961 in Mississippi and Adjoining States

GEOLOGICAL SURVEY  
CIRCULAR 465

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By James D. Shell

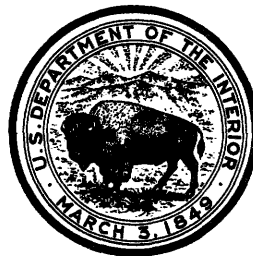


GEOLOGICAL SURVEY CIRCULAR 465

Washington 1962

United States Department of the Interior

STEWART L. UDALL, SECRETARY



Geological Survey

THOMAS B. NOLAN, DIRECTOR



*Free on application to the U.S. Geological Survey, Washington 25, D. C.*

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## ABSTRACT

Widespread floods occurred over parts of Mississippi, Louisiana, and Alabama after heavy rains during December 5-18, 1961. A series of low-pressure systems produced as much as 19 inches of rainfall in some areas. Heavy rainfall, 7 to 11 inches, on December 10 resulted in outstanding floods on small streams in southern Mississippi and southwestern Alabama. Subsequent rains produced multiple floods on small streams and outstanding floods of prolonged duration along the Big Black, upper Pearl, and lower Tombigbee Rivers in Mississippi.

At Jackson, Miss., the Pearl River reached the highest stage known. Along the east bank, flood waters topped or breached some of the levee system protecting the Flowood industrial area, but other parts were saved by extensive reinforcement and by emergency operation of the partially completed dam 10 miles upstream. Additional heavy damage to commercial and industrial property was prevented as a result of these measures.

Elsewhere, damage was restricted primarily to secondary highways and bridges. Two lives were lost.

## INTRODUCTION

The data presented are intended to give a brief general account of the floods of December 1961 in Mississippi and in adjoining parts of Louisiana and Alabama that were affected significantly. Data for a complete report are not presently available but are being collected in anticipation of a more comprehensive report later.

These records were collected as a part of the cooperative programs between the U.S. Geological Survey and the various State agencies.

Work of the Surface Water Branch district personnel was directed by the following district engineers: F. N. Hansen, Louisiana; W. H. Robinson, Mississippi, and L. E. Carroon, Alabama.

J. D. Shell, with advice and assistance of H. H. Barnes, Jr., flood specialist, collected and assembled the data. The report was prepared under the general supervision of Tate Dalrymple, chief, Floods Section, Washington, D. C. Various Federal, State, municipal, and private agencies furnished information and appropriate acknowledgment is given in the text.

## GENERAL DESCRIPTION OF RAINFALL

A series of weather fronts associated with low-pressure systems, migrating northeastward from northern Mexico and the lower Rio Grande Valley, moved over Louisiana, Mississippi, and Alabama during the period December 5-18, 1961. These systems collided with cold-air masses moving southeastward from the Rocky Mountain area and resulted in a prolonged storm period during which rain fell in amounts totaling as much as 19 inches.

During the period December 5-9, rainfall was light over much of the area, with an average accumulation of approximately  $1\frac{1}{2}$  inches. This precipitation produced no appreciable rises on the streams but did soak the ground thoroughly and caused high percentages of runoff from precipitation that fell later.

On December 10, heavy rain fell on a narrow belt extending from Bogalusa, La., northeastward through southern Mississippi and into southwestern Alabama along a line from Washington County to Wilcox County. Along this narrow band, as much as 11 inches of precipitation was measured. At Bogalusa, La., 9.78 inches was measured. Immediately to the east of Bogalusa, in the White Sand community of Pearl River County, Miss., 10.52

inches fell early on December 10. Other areas of heavy precipitation were in southeastern Mississippi at Beaumont, with 11.42 inches, and in Alabama at Pinehill, Millers Ferry, and Selma, each receiving more than 7 inches of rainfall.

Precipitation continued on December 11 and 12, with the heavier precipitation in central Mississippi over the Pearl and Big Black River basins. The isohyetal map (fig. 1) based on rainfall data furnished by the U.S. Weather Bureau and the Mississippi Forestry Com-

mission shows storm rainfall for the period December 5–13. During the second storm period, December 14–18, heavier rains again fell over the Pearl and Big Black River basins, as indicated by the isohyetal map of rainfall for that period (fig. 2). The isohyetal map for the entire period, December 5–18, is shown on figure 3. These isohyetal maps are necessarily generalized because of the variations of intensity and accumulation. Figures of daily rainfall for a few selected stations in the area, shown in table 1, give detailed daily distribution of the precipitation.

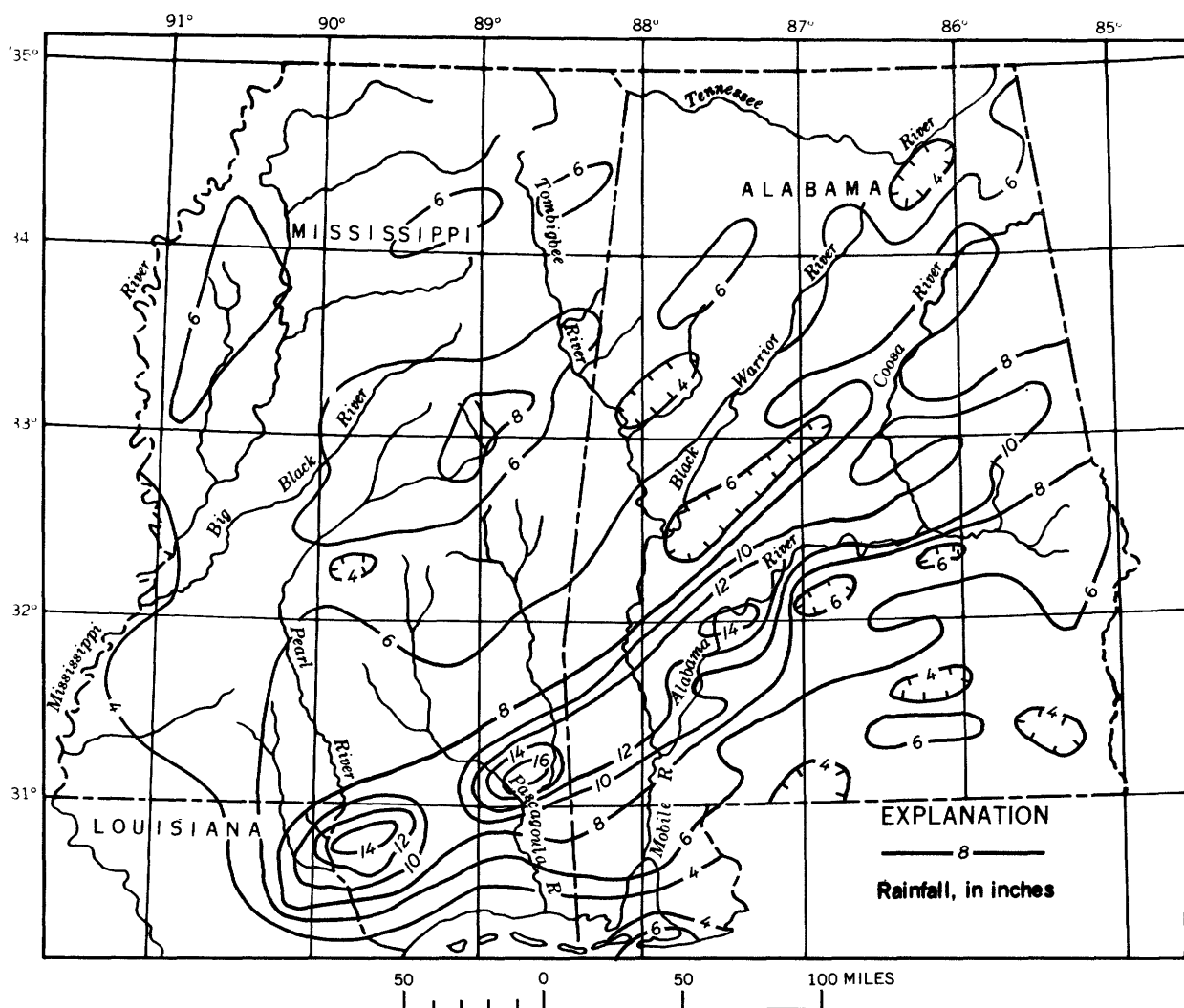


Figure 1.—Isohyetal map of Mississippi and adjoining States, showing rainfall December 5–13, 1961.

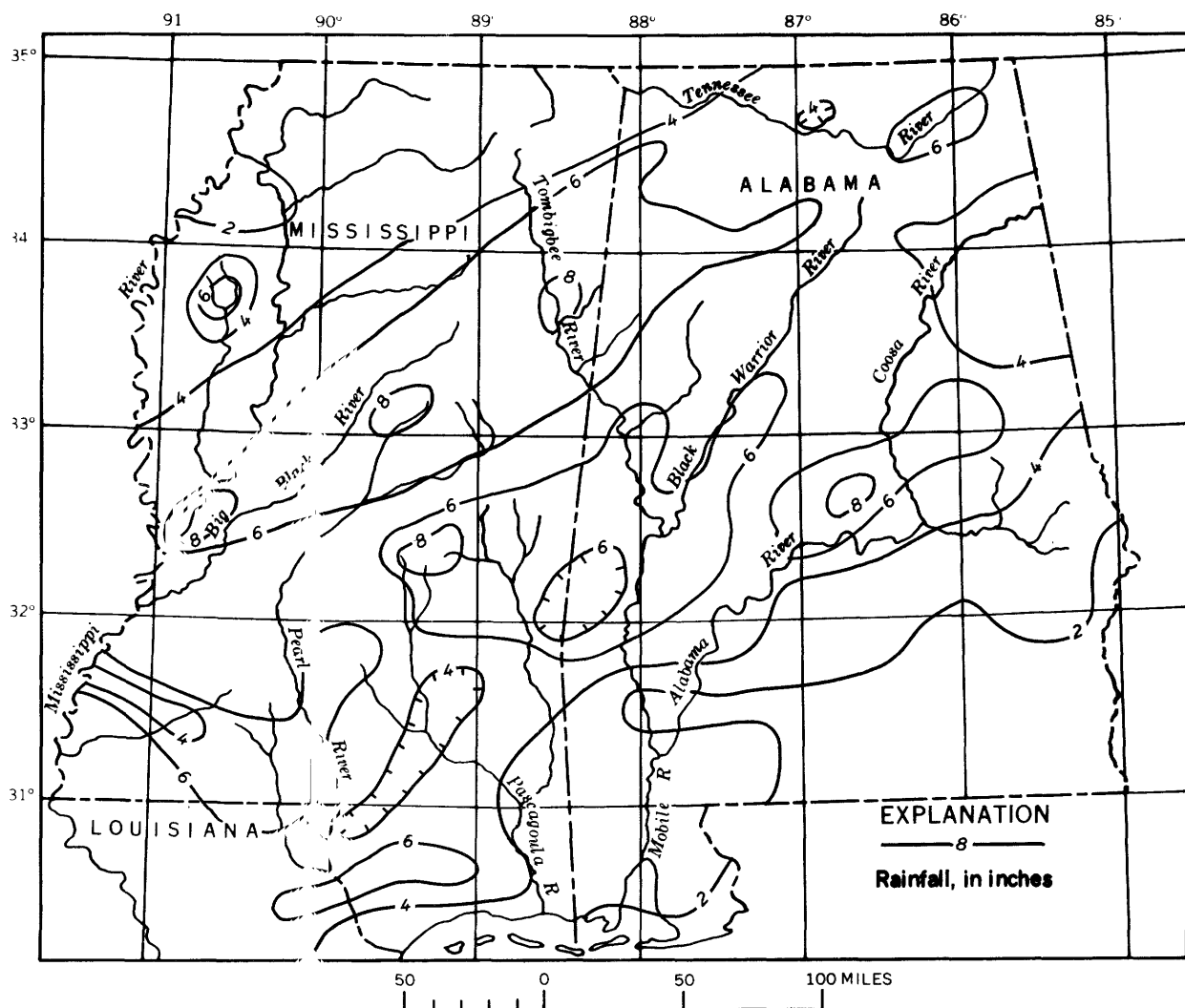


Figure 2.—Isohyetal map of Mississippi and adjoining States, showing rainfall December 14-18, 1961.

Table 1.—Rainfall, in inches, at selected sites in Louisiana, Mississippi, and Alabama for period December 5-18, 1961

Station	December														Total
	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
Bogalusa, La .....	0	0.14	0	0	0.08	9.78	0.96	1.76	1.08	0.19	0.86	0.17	1.82	1.21	18.09
Pearl River Fire Tower, near Savannah, Miss.....	0	0	0	.28	1.08	7.87	.88	2.63	.46	.08	1.14	.57	2.50	1.76	19.25
Perry County Fire Tower, near Richton, Miss.....	0	.33	.08	.06	.25	4.75	.27	1.22	.45	.55	.85	.34	.82	2.41	12.38
Beaumont, Miss.....	0	.06	.06	0	.08	11.42	.58	.67	2.25	.43	.37	.49	1.83	1.32	19.56
Greene County Fire Tower, near Neely, Miss.....	0	.30	.08	0	.64	9.64	2.00	3.27	.52	.40	.78	.15	.85	1.05	19.68
Merrill, Miss.....	.05	.18	.01	0	0	6.18	1.30	.43	1.94	.04	.48	1.30	.13	.65	12.69
George County Fire Tower, near Lucedale, Miss.....	0	.25	.10	0	1.00	5.00	2.00	1.25	1.00	.10	1.00	.75	.25	.60	13.30
Louisville, Miss.....	.78	.71	.01	0	.27	1.65	.15	5.16	.03	.48	1.02	.67	1.34	2.45	14.72
Edinburg, Miss.....	.31	1.41	.25	0	.40	1.53	.03	3.51	.19	.60	2.15	.18	1.58	2.07	14.23
Columbus, Miss.....	.34	.68	.14	0	.15	.84	1.09	2.77	.03	0	.66	.14	3.19	2.61	12.64
Millers Ferry, Ala.....	0	0	0	0	.21	7.75	.31	1.45	2.56	.39	1.26	.54	.10	1.84	16.41
Pine Hill, Ala.....	0	0	0	0	0	7.80	.85	2.95	2.58	.92	.72	0	0	2.77	18.59
Selma, Ala.....	0	0	0	0	.13	7.08	.10	1.67	1.90	.28	1.50	.66	.38	3.85	17.55
Wetumpka, Ala.....	0	0	0	0	.14	8.10	1.60	2.60	2.00	.32	2.27	.52	.31	1.07	18.93

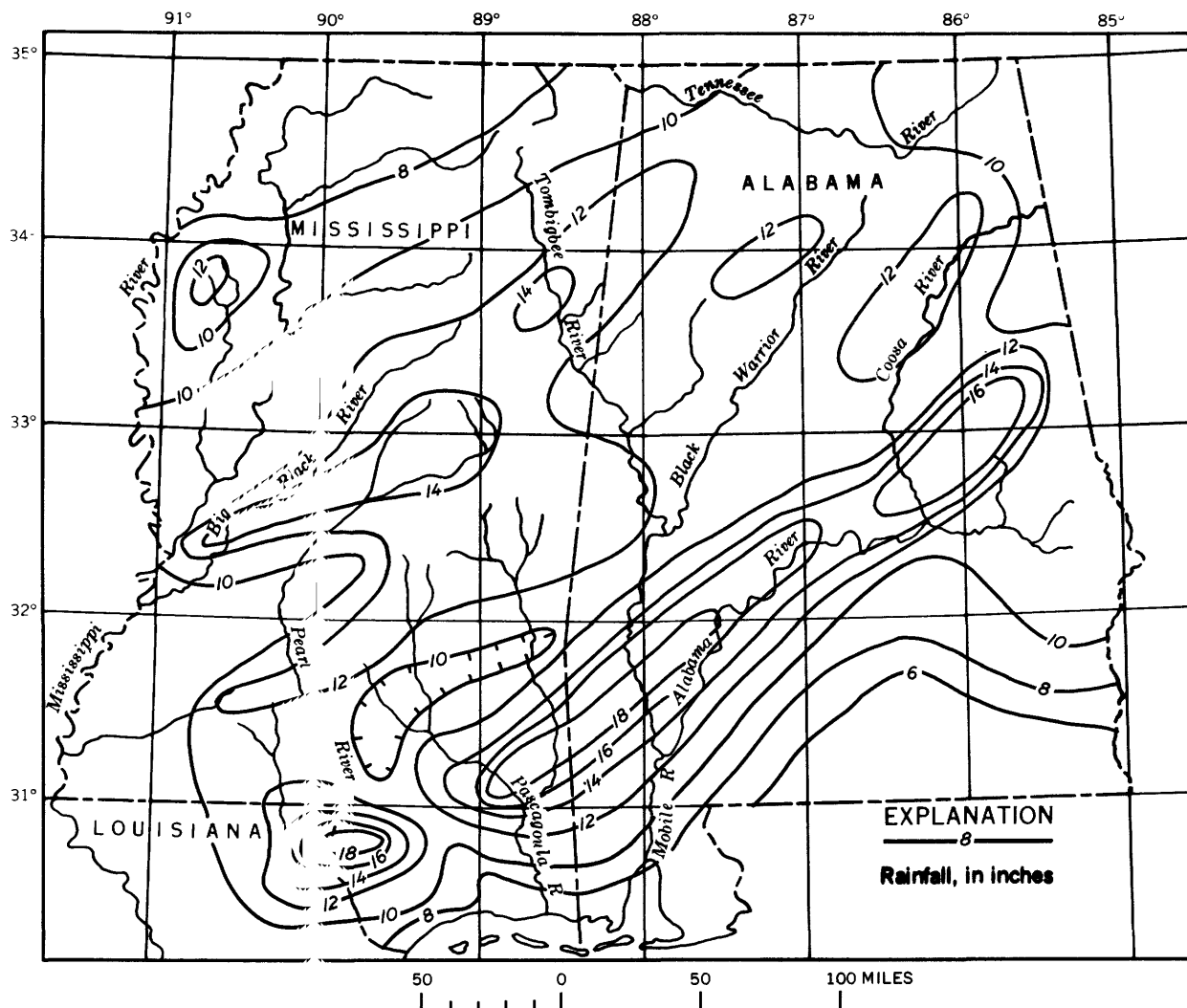


Figure 3.—Isohyetal map of Mississippi and adjoining States, showing rainfall December 5-18, 1961.

### DESCRIPTION OF FLOOD

In general, only on small streams or on streams with short records of streamflow did the flood peaks exceed previous maximums. A few small streams, notably in the Pearl and Pascagoula River basins, reached peaks with recurrence intervals of 50 years or more.

Peak discharges along the main stem of the Pearl River ranged from a 12-year flood at Edinburg to a 25-year flood at Jackson, then flattened to an 8-year flood at Columbia. At Jackson, Miss., the Pearl River reached the highest stage known; the peak stage was slightly higher than the previous maximum in 1902, although the peak discharge was less than that of 1902.

The east side of the flood plain at Jackson is occupied by an extensive network of ring levees north of U.S. Highway 80 that protect commercial and industrial property. This area is commonly known as Flowood. Some of the levees were overtopped, and only through coordinated efforts of municipal, county, and State agencies were some levees raised high enough to prevent the entire area from being flooded. Two gates of the spillway section of the partially completed dam on the Pearl River approximately 10 miles upstream from Jackson were closed late on December 20 to reduce the anticipated flood crest in the Flowood area. It was estimated that the crest at the gaging station at Jackson was reduced approximately 0.2 foot as a result of this action.





Figure 4. —Aerial view showing flooded area along South State Street, Jackson, Miss.

U.S. Highway 80, linking Jackson and Flowood, was overtopped, but traffic was maintained by sandbagging critical points along the westbound lane. U.S. Highway 51, railroads, some principal streets, and commercial and residential property in southeast Jackson were flooded (fig. 4 and 5).

The extent of flooding by the Pearl River in the Jackson-Flowood area is shown in the aerial photograph taken by the Mississippi Air National Guard near the crest on December 21, 1961 (fig. 6).

The extended duration of flooding on the Pearl River is noteworthy. At Jackson the Pearl River reached flood stage (18 feet) on December 11, 1961, and remained above this point until February 13, 1962, a period of 65 days, as a result of the reported storm and subsequent rainfall. Prolonged high stages

during the period—32 days above a stage of 28 feet—delayed repairs to the damaged levee system. It is of interest to note that from February 19, 1961, to February 13, 1962, Pearl River at Jackson was above flood stage a total of 127 days.

Downstream, at Bogalusa, La., the Pearl River reached an initial peak discharge of 55,600 cfs on December 20 as a result of heavy rainfall during the period December 5–13. The river then fell slightly but rose again as the upstream crest approached. It reached a peak discharge of 70,800 cfs on December 29, which has a recurrence interval of about 14 years.

Immediately east of Bogalusa, La., in Pearl River County, Miss., floods on small streams were outstanding. East Hobolochitto Creek at Highway 26, at White Sand, reached a stage



Figure 5.—Aerial view showing flooded area along Gallatin Street, Jackson, Miss.

0.3 foot higher than the peak stage in February 1961, and reached a peak discharge known to be in excess of a 50-year flood. The creek overflowed its banks and flooded many houses in the White Sand community.

Peak discharges on the upper Tombigbee River reflected the long duration and fairly even distribution of rainfall in northeastern Mississippi during the entire storm period. At Columbus the runoff from the several rainstorms coincided to produce a peak discharge of about a 21-year recurrence interval. Upstream from Columbus, the peaks were of progressively lower recurrence interval—12 years at Aberdeen and 8 years near Amory—whereas on the tributaries upstream from Amory the peak discharges had recurrence intervals ranging generally from 1 to 3 years. A map (fig. 7) showing recur-

rence intervals of peak discharge at selected points indicates flood peaks of smaller frequencies at sites on the tributary streams than at sites on the larger streams, where drainage areas are larger and precipitation time is longer.

At Columbus, U.S. Highway 82 was overtopped and closed, as was Mississippi Highway 50. Floodwater inundated much of the area west of the rivers in the Columbus area. Many industries were forced to suspend operations and an estimated 45 families were evacuated.

The multicrest response of small streams to the time distribution of storm rainfall compared with the single crest of long duration on large streams is illustrated by figures 8 and 9.



Figure 6.—Aerial view of Jackson, Miss., showing flooding by Pearl River near time of peak, December 21, 1961. Photograph by Mississippi Air National Guard.

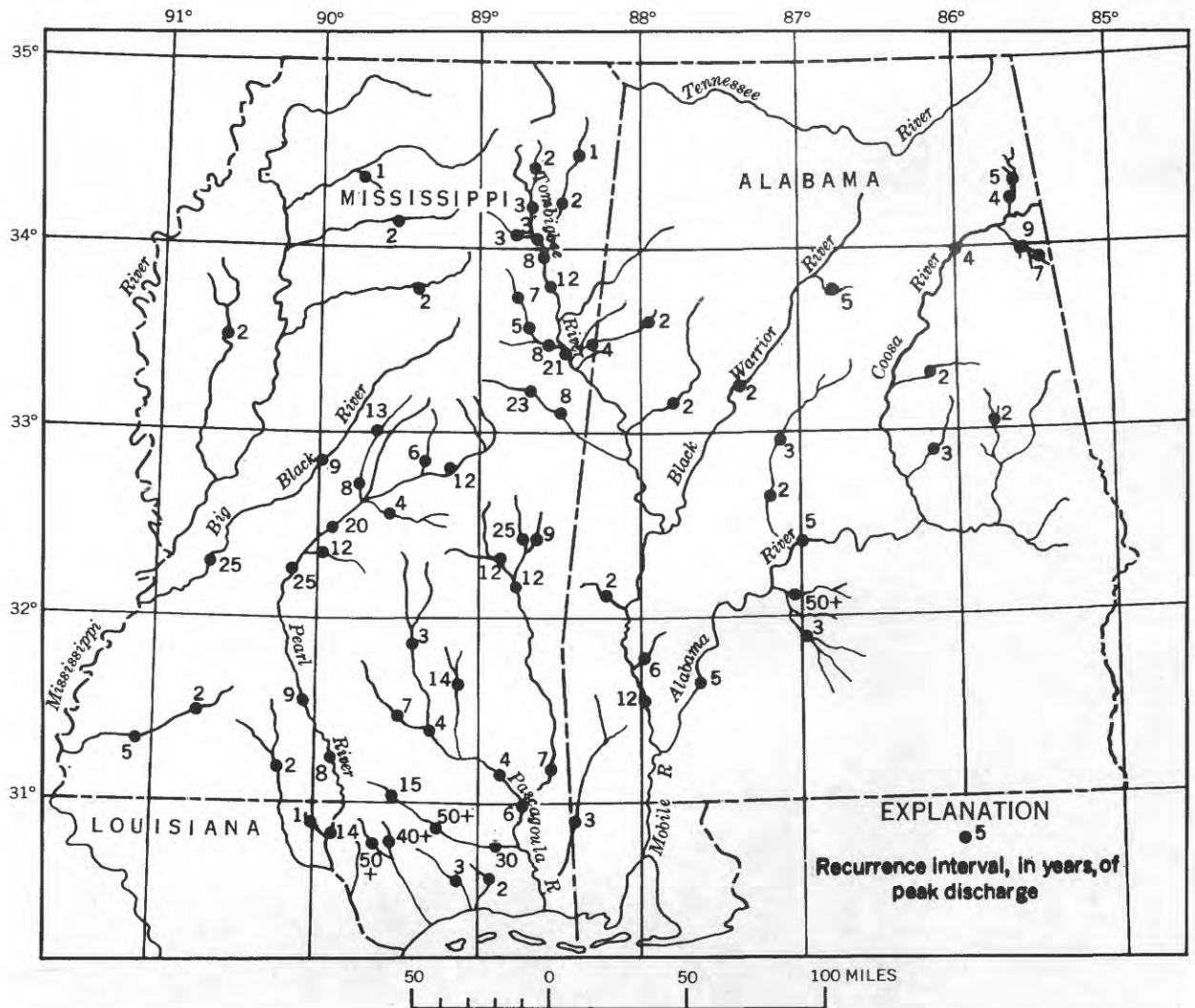


Figure 7.—Map of Mississippi and adjoining States, showing recurrence intervals of peak discharge at selected points, December 1961.

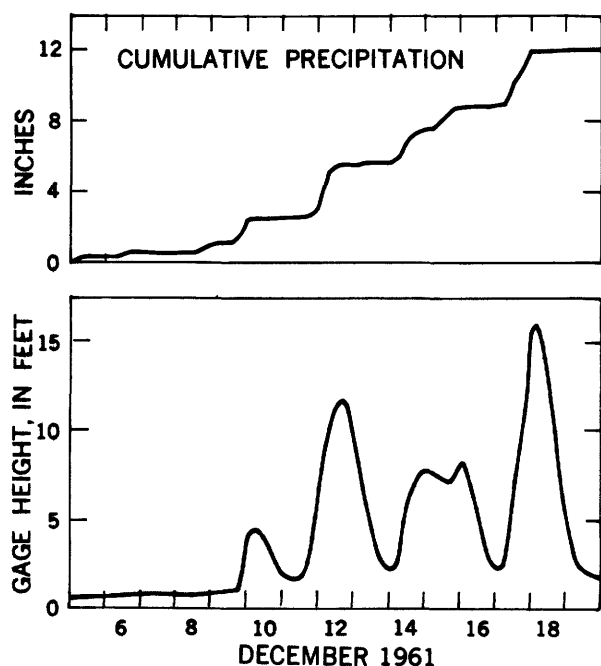


Figure 8.—Graph showing accumulated rainfall and stage of So-washee Creek at Meridian, Miss. (drainage area, 51.9 sq mi), December 5-19, 1961.

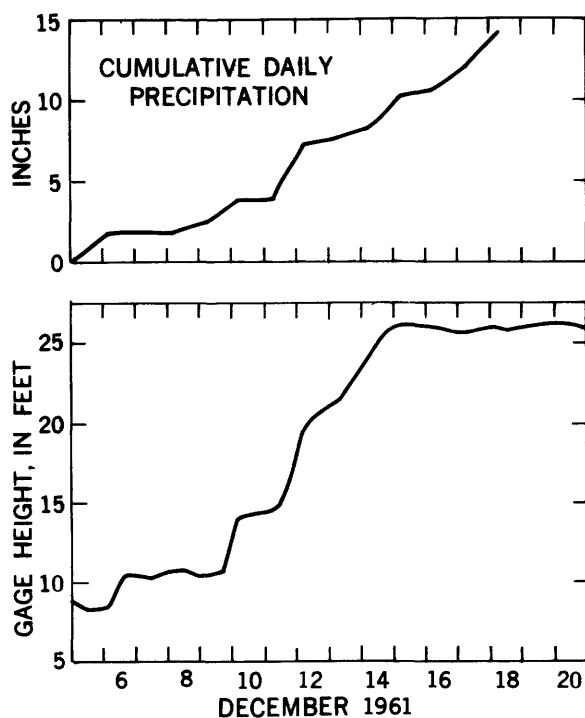


Figure 9.—Graph showing accumulated rainfall and stage of Pearl River at Edinburg, Miss. (drainage area, 898 sq mi), December 5-20, 1961.

## FLOOD DAMAGES

Damage resulting from the flood was limited mostly to highways and to municipal and industrial property in the Jackson, Miss., area. Because the flood occurred in the winter, agricultural damage was light and no estimates of it was made. Two persons were drowned in Mississippi.

Pearl River County, Miss., sustained very heavy damage to roads and bridges, especially on the secondary road system. About 1,000 feet of newly constructed road was washed out. Estimates by the county engineer placed the damage to roads and bridges at about a quarter of a million dollars.

A preliminary estimate made by the Mississippi Highway Department placed the total damage to all secondary roads in the State at \$1 million. Estimates of damage to major highways in the State by districts were as follows:

District	Area in State	
1	Northeast	\$25,000
2	Northwest	6,000
3	West central	30,000
5	East central	20,000
6	Southeast	35,000
7	Southwest	36,300
Total		\$152,300

The Alabama Highway Department made no complete cost estimate but reported damage to highways in at least 10 counties, principally in southwestern Alabama. In Marengo County there was appreciable damage to 6 bridges or fills, and 9 sections of highway were inundated. In Clarke County 2 bridges were damaged. In Fayette County the Sipsey River overtopped a county road near Hubbertville, causing damage estimated at \$15,500. In Wilcox County there was extensive damage to State and county roads along Goose and Turkey Creeks in the vicinity of Kimbrough. Other counties in the area reported lesser damage.

Industrial damage and cost of flood protection in the Flowood area east of Jackson, Miss., was estimated as follows by Mayor Flynn of Flowood:

Knox Glass Co.....	\$90,000
Other industries (total) .....	30,000
Cost of maintaining Flowwood levee .....	40,000
Total .....	\$160,000

Completed data on damages to private property are not available. According to incomplete figures furnished by the American National Red Cross, 567 residences were flooded

in the Jackson, Miss., area and about 45 at Columbus, Miss.

### AERIAL PHOTOGRAPHY

Aerial photographs by the Mississippi Air National Guard covered flooded areas along the main stems of the Pearl, Big Black, and Tombigbee Rivers, as indicated on the map, figure 10. These photographs, taken during

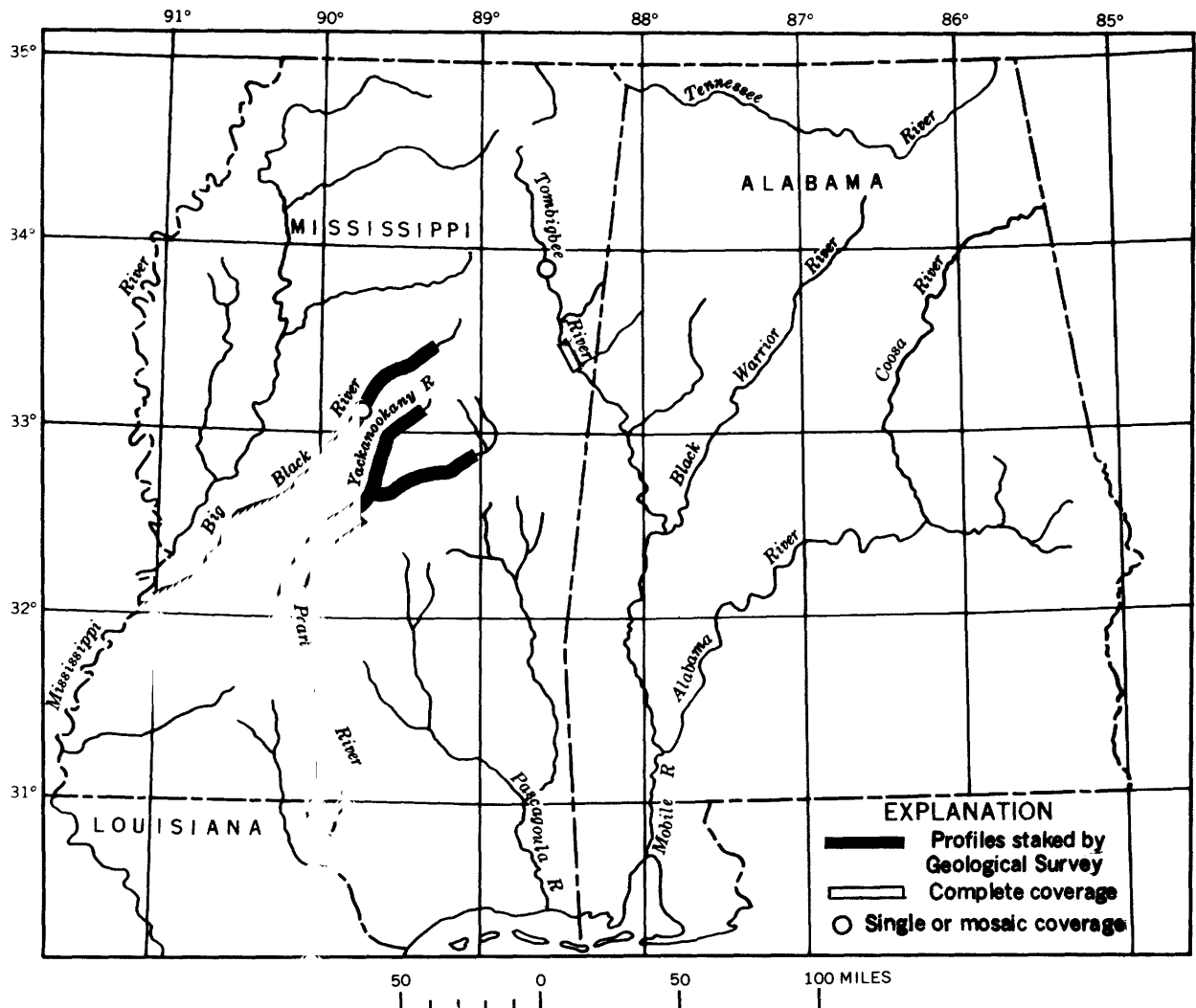


Figure 10. —Map of Mississippi and adjoining States, showing aerial-photograph coverage and location of flood profiles to be surveyed, December 1961.



or near the crest stage, are available for use in inundation mapping.

### RIVER PROFILES

At selected points along the Big Black, Pearl, and Yockanookany Rivers in central Mississippi, high-water marks were staked to define the flood profiles. From survey of these marks about 360 stream miles of flood profiles are being developed as is shown in figure 10.

In the Jackson area along Pearl River, the flood profiles were defined in more detail in anticipation of an inundation map now in preparation.

### STREAMFLOW DATA

#### RECORDS OF DISCHARGE

At 3 stations on Pearl River and 1 on Big Black River preliminary figures of daily and

monthly discharge and runoff, in inches, for December 1961 are given in tables 2-5. At all 4 stations, Pearl River at Edinburg, at Meeks Bridge near Canton, and at Jackson and Big Black River at Bovina, the floods were noteworthy.

#### SUMMARY OF FLOOD STAGES AND DISCHARGES

Flood stages and discharges are summarized in table 6. The table gives in downstream order the station name, drainage area, and the maximum stage and discharge of record prior to and during December 1961 with date of occurrence; and recurrence interval,  $T$ , of the December 1961 peaks. Recurrence intervals with a plus sign (+) indicate that the recurrence interval can be much greater than the interval shown.

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Table 6.—Flood stages and discharges

Station No.	Stream and location	Drainage area (sq mi)	Maximum flood						
			Prior to December 1961			December 1961			
			Year	Gage height (feet)	Dis-charge (cfs)	Date	Gage height (feet)	Dis-charge (cfs)	T (yr)
MOBILE RIVER BASIN									
2-3990	Little River near Jamestown, Ala	120	1948	12.9	21,800	Dec. 18	9.92	13,300	5
2-3992	Little River near Blue Pond, Ala	194	1961	10.08	11,700	Dec. 12	11.01	17,000	4
2-3998	Little Terrapin Creek near Borden Springs, Ala.	15.9	1961	8.24	1,580	Dec. 18	11.80	21,000	7
2-4000	Terrapin Creek near Piedmont, Ala	115	1948	13.3	21,000	Dec. 12	11.46	12,100	9
2-4005	Coosa River at Gadsden, Ala	5,800	1886	37.9	76,900	Dec. 20	26.22	57,800	4
			1936						
2-4058	Talladega Creek above Talladega, Ala	67.3	1961	9.05	3,700	Dec. 18	9.45	4,070	
2-4060	Talladega Creek near Talladega, Ala	98.4	1951	19	33,000	Dec. 18	11.79	5,680	2
2-4079	Paint Creek near Marble Valley, Ala	13.5	1961	5.42	810	Dec. 18	10.78		
2-4085	Hatchet Creek near Rockford, Ala	244	1946	24.9	22,800	Dec. 18	19.87	13,500	3
2-4100	Sofkahatchee Creek near Wetumpka, Ala	5.1	1958	7.2	4856	Dec. 10	8.86		
2-4150	Hillabee Creek near Hackneyville, Ala	196	1957	25.7	15,600	Dec. 18	21.02	9,320	2
2-4205	Autauga Creek at Prattville, Ala	109	1919	18.8	23,000	Dec. 12	5.61	3,360	1
2-4210	Catoma Creek near Montgomery, Ala	298	1961	28.65	48,000	Dec. 13	21.94	9,760	1
2-4230	Alabama River at Selma, Ala	17,100	1961	58.35	284,000	Dec. 22	51.20	158,000	5
2-4240	Cahaba River at Centerville, Ala	1,029	1938	36.63		Dec. 18	29.41	37,800	3
			1961		91,000				
2-4245	Cahaba River at Sprott, Ala	1,378	1961	28.90		Dec. 19	21.78	35,000	2
			1938	28.55	95,000				
2-4255	Cedar Creek at Minter, Ala	217	1961	24.58	45,600	Dec. 13	17.74	6,000	3
2-4256.55	Mush Creek near Selma, Ala	45.4	1955	20.1	22,100	Dec. 14	19.11	19,000	50+
2-4273	Prairie Creek near Oakhill, Ala	9.73	1961	14.15	1,650	Dec. 12	9.12	748	
2-4277	Turkey Creek at Kimbrough, Ala	114	1961	19.64	7,200	Dec. 10	25.02		
2-4290	Limestone Creek near Monroeville, Ala	117	1929	22		Dec. 10	9.64	4,040	2
			1961	16.28	30,600				
2-4295	Alabama River at Claiborne, Ala	22,000	1961	55.15	267,000	Dec. 26	48.83	179,000	5
2-4300	Mackys Creek near Dennis, Miss	66	1955	28.44	16,300	Dec. 18	15.04	2,010	1
2-4310	East Fork Tombigbee River near Fulton, Miss.	605	1955	25.75	82,200	Dec. 19	18.87	23,000	2



PASCAGOULA RIVER BASIN									
2-4720	Leaf River near Collins, Miss	752	1856	33	-----	Dec. 19	25.08	20,300	3
2-4725	Bowie Creek near Hattiesburg, Miss	304	1961	31.85	48,000				
2-4730	Leaf River at Hattiesburg, Miss	1,760	1961	26.8	35,700	Dec. 18	20.80	10,500	7
			1900	33.6	-----	Dec. 20	25.92	37,200	4
			1961	-----	72,200				
2-4735	Tallahala Creek at Laurel, Miss	233	1919	26	-----	Dec. 19	18.75	10,400	14
			1961	-----	18,800				
2-4745	Tallahala Creek near Runnelstown, Miss	612	1900	30.5	-----	Dec. 21	19.08	12,800	4
			1961	-----	33,000				
2-4750	Leaf River near McLain, Miss	3,510	1900	32	-----	Dec. 21	25.56	57,500	4
			1961	31.7	128,000				
2-4750.5	Waterfall Branch near McLain, Miss	.65	1959	10.89	683	Dec. 10	7.48	398	4
2-4753.5	Tarlow Creek near Newton, Miss	15.9	1961	18.29	3,500	Dec. 18	17.56	1,900	4
2-4760	Okatibbee Creek near Meridian, Miss	239	1938	29.5	-----	Dec. 18	25.23	17,000	25
			1961	-----	27,000				
2-4765	Sowashee Creek at Meridian, Miss	51.9	1936	26.5	-----	Dec. 18	18.04	5,640	9
			1951	20.09	8,030				
2-4770	Chickasawhay River at Enterprise, Miss	913	1961	37.94	60,000	Dec. 19	33.78	38,800	12
2-4771.5	Pachuta Creek near Pachuta, Miss	23	1961	268.32	5,900	Dec. 18	267.86	4,600	50+
2-4785	Chickasawhay River at Leakesville, Miss	2,680	1938	34.12	-----	Dec. 24	29.88	39,500	7
			1961	-----	73,500				
2-4790	Pascagoula River at Merrill, Miss	6,600	1900	32.5	-----	Dec. 22	25.76	90,000	6
			1961	-----	177,000				
2-4791.4	Walls Creek near Brooklyn, Miss	22.3	1959	98.16	5,700	Dec. 10	97.47	4,800	50+
2-4791.7	Black Creek near Benndale, Miss	710	1959	62.98	24,300	Dec. 13	63.02	24,500	35
2-4791.8	Red Creek at Lumberton, Miss	15.6	1961	98.7	2,640	Dec. 10	98.7	2,640	15
2-4791.9	Red Creek near Wiggins, Miss	168	1960	147.49	13,500	Dec. 10	148.82	17,000	50+
2-4792	Flint Creek near Wiggins, Miss	24.8	1957	16.17	3,320	Dec. 10	14.83	2,120	4
2-4793	Red Creek at Vestry, Miss	416	1961	18.40	19,000	Dec. 12	18.56	20,000	30
2-4795	Escatawpa River near Wilmer, Ala	506	1959	24.66	30,000	Dec. 13	22.60	20,100	3
BILOXI RIVER BASIN									
2-4805	Tuxachanie Creek near Biloxi, Miss	92.4	1907-9	23	-----	Dec. 11	10.78	2,720	2
			1957	-----	17,000				
2-4810	Biloxi Creek near Wortham, Miss	98.3	1948	23.3	-----	Dec. 10	14.46	4,540	3
			1957	-----	7,740				

See footnotes at end of table.

Table 6.—Flood stages and discharges—Continued

Station No.	Stream and location	Drainage area (sq mi)	Maximum flood						
			Prior to December 1961			December 1961			
			Year	Gage height (feet)	Dis-charge (cfs)	Date	Gage height (feet)	Dis-charge (cfs)	T (yr)
WOLF RIVER BASIN									
2-4814	Wolf River near Poplarville, Miss -----	71	1961	191.94	9,300	Dec. 10	193.42	13,000	50+
2-4814.5	Murder Creek near Poplarville, Miss -----	21.6	1961	16.50	2,480	Dec. 10	19.20	3,500	40
PEARL RIVER BASIN									
2-4817.5	Nanawaya Creek at Handle, Miss -----	90	1938	10.64	-----	Dec. 12	12.3	7,000	12
2-4818.1	Tallahaga Creek near Noxapater, Miss -----	53	1953	93.9	4,900	Dec. 12	94.26	6,400	50+
2-4818.4	Noxapater Creek near Noxapater, Miss -----	33.1	-----	94.62	4,000	Dec. 12	94.82	5,000	50
2-4820	Pearl River at Edinburg, Miss -----	898	1902	29.0	-----	Dec. 20	26.53	25,200	12
			1961	-----	27,000	-----	-----	-----	-----
2-4825	Lobutcha Creek near Carthage, Miss -----	313	1951	18.00	19,100	Dec. 18	17.28	11,000	6
2-4830	Tuscolameta Creek at Walnut Grove, Miss -----	411	-----	c 24.5	-----	Dec. 19	18.66	16,800	4
			1950	23.00	34,600	-----	-----	-----	-----
2-4840	Yockanookany River near Kosciusko, Miss -----	314	1951	18.72	19,300	Dec. 18	17.64	15,300	13
2-4845	Yockanookany River near Ofahoma, Miss -----	484	1951	20.28	20,700	Dec. 20	19.40	13,800	9
2-4850	Pearl River at Meeks Bridge near Canton, Miss -----	2,780	1932	26.4	-----	Dec. 20	27.77	66,000	20
			1951	-----	57,800	-----	-----	-----	-----
2-4855	Pelahatchie Creek near Fannin, Miss -----	205	1950	23.7	-----	Dec. 18	d 22.30	13,600	12
			1955	-----	13,500	-----	-----	-----	-----
2-4860	Pearl River at Jackson, Miss -----	3,100	1902	37.2	80,800	Dec. 21	37.29	66,000	25
2-4866.9	Rhodes Creek near Terry, Miss -----	20.9	1953	24.5	4,470	Dec. 12	20.77	2,000	2
2-4875	Strong River at D'lo, Miss -----	429	1950	33.0	24,800	Dec. 18	28.00	11,800	3
2-4876	Dobbs Creek near D'lo, Miss -----	55.1	1955	24.65	7,950	Dec. 18	22.48	2,260	1
2-4876.2	Riles Creek near Mendenhall, Miss -----	25.3	1950	26.29	9,050	Dec. 18	19.33	2,260	2
2-4885	Pearl River at Monticello, Miss -----	5,040	1902	33	100,000	Dec. 25	29.97	63,500	9
2-4890	Pearl River near Columbia, Miss -----	5,690	1874	31	-----	Dec. 27	25.15	60,800	8
			1938	-----	72,000	-----	-----	-----	-----
2-4895	Pearl River at Bogalusa, La -----	6,630	1961	21.70	87,000	Dec. 29	20.98	70,800	14
2-4900	Bogue Lusa Creek near Franklinton, La -----	12.1	1948	11.0	4,020	Dec. 11	7.84	915	-----
2-4905	Bogue Chitto near Tylertown, Miss -----	502	1950	33.50	45,700	Dec. 18	20.71	12,900	2

2-4923.5	East Hobolochitto Creek at Picayune, Miss.	108	1958	87.08	6,200	Dec. 10	87.54	6,800	5
LOWER MISSISSIPPI RIVER BASIN									
7-2660	Cane Creek near New Albany, Miss	22.2	1955	29.08	8,680	Dec. 17	12.43	2,520	2
7-2680	Tallahatchie River at Etta, Miss	526	1955	29.32	79,000	Dec. 18	25.03	31,600	3
7-2710	Clear Creek near Oxford, Miss	10.3	1957	11.66	3,980	Dec. 17	5.89	1,550	1
7-2740	Yocona River near Oxford, Miss	262	1955	23.72	44,100	Dec. 18	21.32	10,500	2
7-2820	Yalobusha River at Calhoun City, Miss	305	1951	15.22	-----	Dec. 18	14.12	16,800	2
7-2830	Skuna River at Bruce, Miss	254	1955	24.11	61,400	Dec. 17	18.80	9,540	2
7-2865	Thompson Creek at McCarley, Miss	14.4	1959	12.48	2,580	Dec. 17	10.78	1,940	1
7-2885	Sunflower River at Sunflower, Miss	767	1958	28.31	9,300	Dec. 19	23.10	6,590	2
7-2892.7	Hayes Creek near Vaden, Miss	13	-----	-----	-----	Dec. 17	25.87	1,800	2
7-2893.3	Zilpha Creek near Kosciusko, Miss	90	1955	27.49	16,000	Dec. 17	25.87	5,800	4
7-2893.8	Jordan Creek near West, Miss	15	1961	24.99	1,600	Dec. 17	25.10	1,800	2
7-2895	Big Black River at Pickets, Miss	1,460	1926	23.7	-----	Dec. 18	21.52	42,000	9
7-2895.2	Big Cypress Creek near Vaughan, Miss	76	1951	-----	49,400	Dec. 17	29.61	4,100	2
7-2895.3	Doaks Creek near Canton, Miss	161	1951	29.83	4,400	Dec. 18	17.42	9,300	8
7-2896	Tilda Bogue near Canton, Miss	24.4	1953	18.46	13,000	Dec. 17	17.91	4,000	5
7-2896.1	Bachelor Creek at Canton, Miss	3.1	1953	19.0	8,800	Dec. 17	15.86	550	3
7-2898.5	Bogue Chitto near Flora, Miss	124	1953	17.78	1,000	Dec. 18	19.45	13,800	7
7-2900	Big Black River near Bovina, Miss	2,810	1951	20.88	21,000	Dec. 20	40.53	63,500	25
7-2905	Bayou Pierre near Carpenter, Miss	371	1958	39.74	58,600	Dec. 18	26.17	25,000	4
7-2906.5	Bayou Pierre near Willows, Miss	650	1953	25.95	24,400	Dec. 18	26.12	30,000	3
7-2906.9	Clarks Creek near Pattison, Miss	75	1959	24.03	23,500	Dec. 17	20.80	9,800	3
7-2908.7	Coles Creek near Fayette, Miss	150	-----	-----	-----	Dec. 17	25.20	39,500	10
7-2910	Homochitto River at Eddiceton	180	1939	16.37	30,900	Dec. 17	12.12	16,700	2
7-2925	Homochitto River at Rosetta, Miss	750	1949	37.8	-----	Dec. 17	26.58	50,000	5
7-2950	Buffalo River near Woodville, Miss	182	1961	-----	100,000	Dec. 12	9.95	13,200	1

<sup>a</sup>May have been higher in February 1961.

<sup>b</sup>Discharge not determined.

<sup>c</sup>1920-25; rating altered by channel clearing.

<sup>d</sup>At site 200 ft upstream.

<sup>e</sup>Site and datum then in use.