

*Merle Hudson*  
DO NOT REMOVE

BASIC DATA REPORT NO. 7

FLOOD FREQUENCY FOR SMALL DRAINAGE AREAS IN MISSISSIPPI

Conducted by

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

for

Mississippi State Highway Department

in cooperation with

Federal Highway Administration

U. S. Department of Transportation

by

James W. Hudson, Hydrologic Technician

Open-file report

73-121

June 1973

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BASIC DATA REPORT NO. 7  
FOR RESEARCH ON  
FLOOD FREQUENCY FOR SMALL DRAINAGE AREAS

by

James W. Hudson, Hydrologic Technician

PURPOSE AND SCOPE

This report has been prepared to update small-drainage area site information collected under the cooperative agreement between the U.S. Geological Survey and the Mississippi State Highway Department in cooperation with the Federal Highway Administration. The findings expressed in this report are not necessarily those of the Mississippi State Highway Department nor the Federal Highway Administration.

This is the seventh in a series of annual reports summarizing data collected in this project. The first, prepared in May 1967, gave information on the data network, description of the recorders, method of computing flood runoff, a tabular summary of the data collected at each site through September 1966, and an example of the detailed rainfall and runoff data collected. Reports 2 through 6 presented descriptions of each of the sampling sites and summaries of flood peak stages and discharges recorded through March 1968, March 1969, April 1970, March 1971, and March 1972. This report is a compilation of all significant peak stages and discharges recorded through March 1973.

The site data summarized have been compiled so that an overlook can be given to the information collection program by the Mississippi State Highway Department, the Federal Highway Administration, and various levels of the U.S. Geological Survey. The compilation serves as a convenient source of information for review and preliminary analysis.

#### EXPLANATION OF DATA

Site locations of the presently operated 25 digital punch-tape gages which collect detailed rainfall and gage height record and 68 crest-stage gages which collect flood peak stages are shown on figure 1. The stations that have been discontinued during the project are also shown on figure 1. Peak stage records at 25 sites began in 1955. Hydrograph records at the total 95 sites were collected between 1964-66 and September 1971. The length of record at each site is shown on figure 1. A separate summary has been prepared for each site. Most of the data shown on these summaries are self-explanatory; however, a form of coding is used for some items. An explanation of this coding follows:

Basin parameters: The basin drainage area (D.A.) is shown in square miles. Some of these values have been revised from that shown in previous reports, following field inspection of each basin. Principal stream length (L) is measured in miles along the valley from the gage to the rim of the basin. Basin altitude difference (H) is the difference in principal stream elevation, in feet, between the rim of the basin and the gage. The main channel slope factor ( $\bar{S}$ ) is the difference between the principal stream elevation at points 10 percent and 85 percent of its length from the gage divided by the distance between the two points. A shape factor (M), based on the ratio  $\frac{L^2}{DA}$  as used by Wilson and Trotter (1961), is shown. Some of the values of L, S, and M were revised in 1969 due to revision of drainage area boundaries. A soils-cover complex curve number (CN) as described by the U.S. Soil Conservation

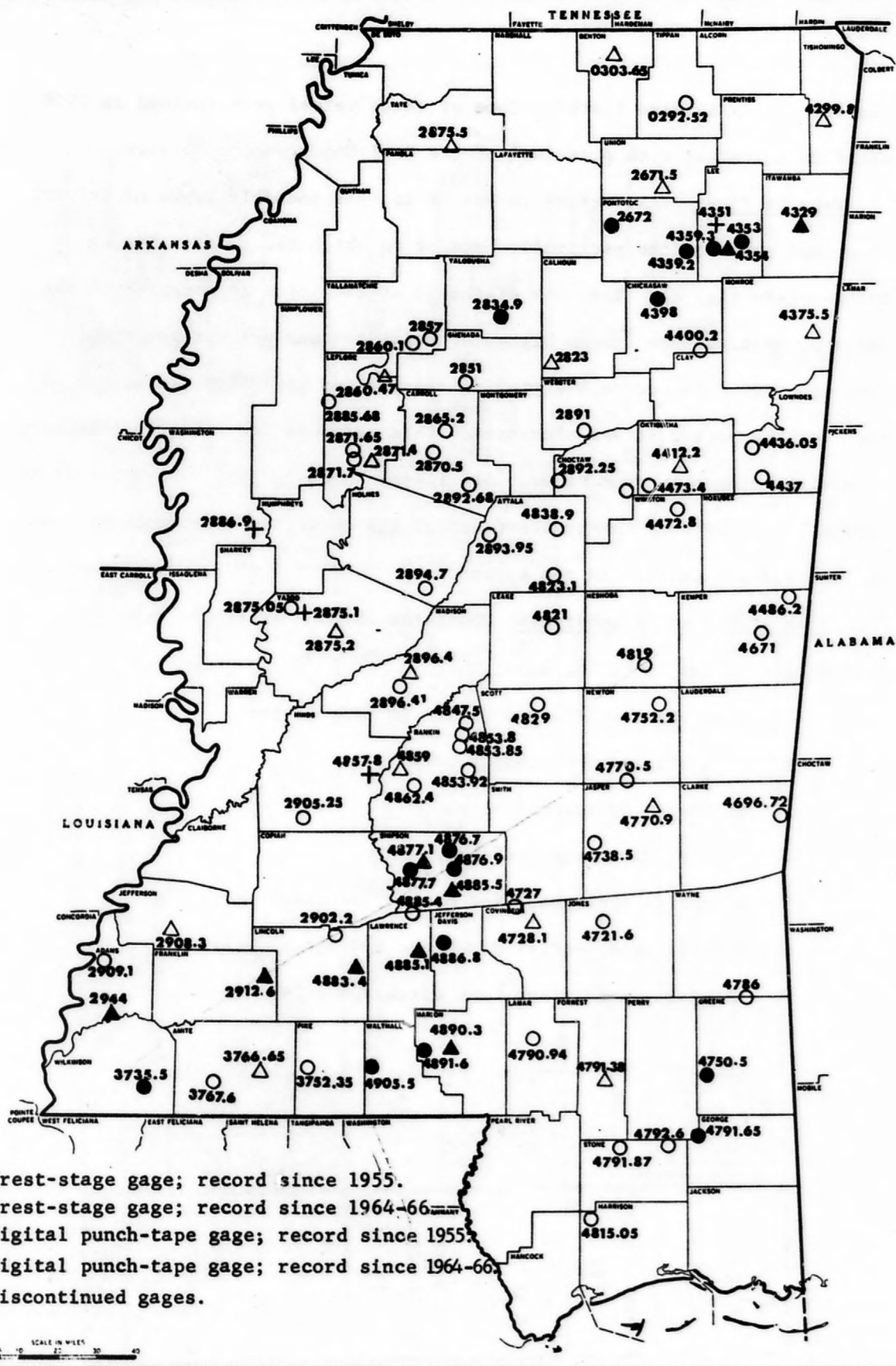


Figure 1.--Map of Mississippi showing small-drainage-area gaging stations.

Service (1957) is also listed. Some of these values were revised in 1968 after consultation with personnel of the Soil Conservation Service.

Type of flow: This refers to one of the six possible types of culvert flow that occur at the particular culvert on which the runoff gage is located (see fig. 2). The peak discharge at each site is computed on the basis of upstream-downstream highwater relations and culvert geometry. When type III flow occurs, varying discharges and tailwater elevations may occur at the same upstream elevation. This accounts for different discharges at similar stages at some sites. All stages shown in this report are at the approach section near the upstream end of the culverts. The symbols shown on figure 2 are defined in the appendix.

Peak stages and discharges: Under the column "Available data" the following is a key to coding used:

1. Complete rainfall and discharge hydrographs.
2. Peak stage and discharge only.
3. Discharge hydrograph only.
4. Partial discharge hydrograph only.
5. Discharge hydrograph and partial rainfall only.
6. Rainfall and partial discharge hydrograph only.
7. Rainfall, peak stage, and discharge only.

TYPE	EXAMPLE
<b>I</b> CRITICAL DEPTH AT INLET $\frac{h_1 - z}{D} < 1.5$ $h_4/h_c < 1.0$ $S_0 > S_c$	$Q = CA_c \sqrt{2g(h_1 - z + \alpha_1 \frac{V_1^2}{2g} - d_c - h_{f1,2})}$
<b>II</b> CRITICAL DEPTH AT OUTLET $\frac{h_1 - z}{D} < 1.5$ $h_4/h_c < 1.0$ $S_0 < S_c$	$Q = CA_c \sqrt{2g(h_1 + \alpha_1 \frac{V_1^2}{2g} - d_c - h_{f1,2} - h_{f2,3})}$
<b>III</b> TRANQUIL FLOW THROUGHOUT $\frac{h_1 - z}{D} < 1.5$ $h_4/D \approx 1.0$ $h_4/h_c > 1.0$	$Q = CA_3 \sqrt{2g(h_1 + \alpha_1 \frac{V_1^2}{2g} - h_3 - h_{f1,2} - h_{f2,3})}$
<b>IV</b> SUBMERGED OUTLET $\frac{h_1 - z}{D} > 1.0$ $h_4/D > 1.0$	$Q = CA_0 \sqrt{\frac{2g(h_1 - h_4)}{1 + \frac{29C_1 h_1}{R^{2/3}}}}$
<b>V</b> RAPID FLOW AT INLET $\frac{h_1 - z}{D} \approx 1.5$ $h_4/D \approx 1.0$	$Q = CA_0 \sqrt{2g(h_1 - z)}$
<b>VI</b> FULL FLOW FREE OUTFALL $\frac{h_1 - z}{D} \approx 1.5$ $h_4/D \approx 1.0$	$Q = CA_0 \sqrt{2g(h_1 - h_3 - h_{f1,2})}$

Figure 2.--Classification of culvert flow.



# MOBILE RIVER BASIN

2-4299.80 Pollard Mill Branch near Paden, Miss.

Location.--Lat  $34^{\circ}39'10''$ , long  $88^{\circ}15'00''$ , in SE $\frac{1}{4}$  sec. 9, T. 5 S., R.10 E., at a 20x8-foot box culvert on State Highway 30, 0.8 mile east of Paden, 1.1 miles west of intersection of State Highways 25 and 30 in Tishomingo County.

Gage and history.--Digital punch tape recorders, August 30, 1966, to date.

Basin parameters.--D.A. = 2.05 sq mi.; L = 2.84 mi.; H = 200 ft.;  $\bar{S}$  = .008; M = 0.96; CN = 68.

Type of flow.--Type I.

Remarks.--All peaks above 70 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
11/10/66	3.07	79	1	12/ 9/72	3.42	113	1
12/ 8/66	3.16	88	1	12/10/72	3.35	104	1
7/ 6/67	3.15	87	1	1/21/73	3.13	77	1
7/28/67	3.60	137	1	2/13/73	3.30	97	7
12/21/67	3.06	78	1	3/ 6/73	3.08	71	1
3/11/68	3.32	105	1	3/11/73	3.85	168	1
5/14/68	3.17	89	1	3/15/73	4.02	191	1
3/23/69	3.02	74	1	3/16/73	5.65	445	3
4/10/69	3.08	80	1	3/24/73	3.38	107	3
4/14/69	3.20	92	1				
12/30/69	3.27	100	1				
3/19/70	3.16	88	1				
4/ 1/70	3.23	95	1				
4/17/70	3.31	104	1				
4/19/70	3.86	170	1				
4/25/70	3.13	85	1				
4/26/70	3.13	85	1				
5/11/70	3.09	46	1				
2/21/71	5.58	432	1				
2/26/71	3.01	72	1				
4/23/71	3.06	78	1				
5/10/71	3.02	74	1				
8/11/71	5.53	423	2				
9/ 3/71	3.11	83	5				
10/23/71	3.01	73	1				
12/12/71	3.05	77	1				
12/28/71	3.19	91	1				
12/30/71	3.02	74	1				
12/31/71	3.09	81	1				
5/ 7/72	3.31	98	2				
12/ 8/72	3.16	80	1				

## MOBILE RIVER BASIN

\*4329(Revised) Red Boot Creek near Fulton, Miss.

Location.--Lat 34°19'10", long 88°19'30", in NE¼SE¼NW¼ sec.11, T.9S., R.9E., at a 4x6-foot box culvert on State Highway 25, 4.45 miles north of intersection with U.S. Highway 78 near Fulton, in Itawamba County.

Gage and history.--Digital punch-tape recorders. Prior to May 21, 1965, crest-stage gage. May 21, 1965, to Sept. 24, 1971, circular chart recorder, all all at same site and datum.

Basin parameters.--D.A. =0.13 sq mi; L =0.83 mi; H =77 ft;  $\bar{S}$  = .015; M = 0.83; CN = 78.

Type of flow.--Type I.

Remarks.--Annual peaks only prior to May 1965; all peaks thereafter above 45 cfs.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
3/21/55	6.37	119	2	2/13/73	4.63	58	1
1956	3.62	30	2	3/ 6/73	4.30	48	1
7/ 1/57	4.97	69	2	3/11/73	4.67	59	1
11/15/57	4.54	55	2	3/14/73	4.45	52	1
7/24/59	3.86	36	2	3/16/73	6.83	137	3
6/17/60	3.95	38	2	3/24/73	4.90	66	3
3/28/61	3.90	37	2	3/30/73	4.79	63	3
4/11/62	7.08	147	2				
3/12/63	6.12	109	2				
3/14/64	4.28	47	2				
8/ 7/65	4.19	45	2				
9/12/65	4.36	50	1				
4/21/66	4.66	59	1				
5/ 5/67	5.69	92	1				
7/ 9/67	4.91	66	1				
10/16/67	4.39	51	3				
5/14/68	5.35	80	1				
3/23/69	4.57	56	2				
4/14/69	4.34	49	1				
12/30/69	4.93	67	2				
4/ 1/70	4.29	48	3				
4/17/70	4.63	58	1				
4/19/70	4.19	45	1				
4/25/70	4.30	48	1				
2/21/71	4.60	57	1				
2/26/71	4.27	47	1				
4/22/71	4.26	47	1				
1/ 1/72	4.44	52	1				
4/15/72	4.34	49	2				
12/ 9/72	4.33	49	7				

\*Formerly published as 2-4308



# MOBILE RIVER BASIN

2-4351. Truck Stop Ditch near Tupelo, Miss.

Location.--Lat  $34^{\circ}17'40''$ , long  $88^{\circ}45'20''$  in NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec.22, T.9 S., R.5 E., Chickasaw meridian at an 8x4-foot box culvert on U.S. Highway 78, 2.6 miles west of intersection of U.S. Highways 78 and 45 in Tupelo in Lee County.

Gage and history.--Crest-stage gage. Prior to May 21, 1965, crest-stage gage. May 21, 1965 to Sept. 30, 1971, circular chart recorder, all at same site and datum.

Basin parameters.--D.A. = 0.22 sq mi.; L = 0.68 mi.; H = 35 ft.;  $\bar{S}$  = .009; M = 1.27; CN = 85.

Type of flow.--Type I, occasionally Type III.

Remarks.--Annual peaks only prior to May 1965; all peaks thereafter above 60 cfs.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
3/21/55	6.19	242	2	12/22/70	3.66	74	2
1956	4.99	166	2	1/24/71	3.62	72	3
4/ 4/57	6.86	296	2	3/25/71	4.96	151	3
11/15/57	4.49	119	2	7/25/71	3.40	61	3
6/ 9/59	5.16	156	2	1/ 4/72	3.14	48	2
12/27/59	5.69	211	2				
8/15/61	5.41	180	2				
4/11/62	7.69	312	2				
3/11/63	7.02	257	2				
3/14/64	4.83	145	2				
3/26/65	3.54	68	2				
2/10/66	4.94	150	2				
4/20/66	4.28	109	1				
5/13/66	3.56	69	1				
4/25/67	3.54	73	3				
8/ 3/67	4.53	124	1				
4/27/68	4.40	116	3				
5/11/68	3.60	71	3				
5/14/68	3.94	88	3				
3/23/69	3.54	68	2				
4/14/69	4.86	144	2				
12/30/69	4.04	94	2				
4/ 1/70	4.14	100	2				
4/17/70	4.02	93	3				
4/19/70	3.67	74	3				
4/25/70	3.87	84	3				
5/ 2/70	3.48	65	3				
5/10/70	5.04	157	3				
5/11/70	7.29	302	3				
10/12/70	3.61	72	7				

## MOBILE RIVER BASIN

2-4353. Cow Pike Pass near Tupelo, Miss.

Location.--Lat  $34^{\circ}16'00''$ , long  $88^{\circ}37'10''$ , in SW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 25, T.9 S., R.6 E., Chickasaw meridian, at a 4x6-foot box culvert on U.S. Highway 78, 5 $\frac{1}{2}$  miles east of Tupelo, and 3.95 miles east of traffic signal in East Tupelo in Lee County.

Gage and history.--Crest-stage gage. Prior to May 21, 1965, crest-stage gage. May 21, 1965 to Sept. 30, 1971, circular chart recorder, all at same site and datum.

Basin parameters.--D.A. = 0.14 sq mi.; L = 0.57 mi.; H = 100 ft;  $\bar{S}$  = .024; M = 1.21; CN = 78.

Type of flow.--Type I.

Remarks.--Annual peaks only prior to May 1965; all peaks thereafter above 60 cfs.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
3/21/55	a6.75	160	2				
1956	5.29	102	2				
7/ 1/57	6.22	138	2				
1958	7.54	195	2				
1959	5.12	95	2				
10/27/59	7.49	192	2				
8/15/61	10.47	284	2				
4/11/62	7.36	187	2				
3/11/63	6.42	146	2				
3/14/64	5.62	115	2				
9/11/65	4.72	82	3				
2/11/66	4.08	60	3				
5/15/66	4.58	77	3				
4/25/67	5.80	122	3				
8/ 2/67	5.10	95	3				
8/ 3/67	6.74	160	3				
3/11/68	4.78	84	1				
4/27/68	5.61	114	1				
5/11/68	5.10	95	3				
5/14/68	5.28	101	3				
8/15/68	6.49	150	1				
4/14/69	5.21	99	1				
12/30/69	4.69	81	2				
4/ 1/70	4.81	85	2				
4/25/70	5.46	108	2				
5/11/70	5.12	96	7				
2/21/71	4.50	74	2				
4/23/71	3.59	46	2				
3/16/73	5.91	126	2				

# MOBILE RIVER BASIN

2-4354 Clear Branch near Tupelo, Miss.

Location.--Lat  $34^{\circ}15'30''$ , long  $88^{\circ}39'50''$ , in SW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 34, T.9 S., R.6 E., Chickasaw meridian at a 10x8-foot box culvert on U.S. Highway 78, 1.3 miles east of Tupelo in Lee County.

Gage and history.--Digital punch tape recorders. Prior to May 6, 1965, crest-stage gage at same site and datum.

Basin parameters.--D.A. = 0.75 sq mi.; L = 1.68 mi.; H = 128 ft.,  $\bar{S}$  = .012; M = 0.91; CN = 70.

Type of flow.--Type III below about 7 ft., Type I above.

Remarks.--Annual peaks only prior to May 1965; all peaks thereafter above 60 cfs.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
3/21/55	a6.30	269	2	2/21/71	4.63	110	1
1956	5.07	155	2	2/26/71	3.91	61	1
7/ 1/57	5.61	208	2	1/ 4/72	3.50	36	1
11/15/57	5.04	133	2	3/11/73	4.27	85	3
2/13/59	--	b80	2	3/15/73	5.17	155	3
12/27/59	5.32	155	2	3/16/73	6.08	243	3
8/15/61	6.90	334	2				
4/11/62	8.23	472	2				
3/11/63	5.17	157	2				
3/14/64	5.38	178	2				
2/11/65	4.20	81	2				
2/9-10/66	4.05	70	1				
4/25/67	4.21	82	1				
7/ 9/67	4.72	118	3				
8/ 1/67	4.01	67	1				
8/ 3/67	5.15	154	1				
1/ 5/68	3.90	60	1				
3/11/68	3.94	62	1				
4/27/68	4.32	88	1				
5/14/68	3.92	61	1				
7/29/68	5.15	154	2				
4/10/69	4.29	86	1				
4/14/69	4.59	107	1				
12/30/69	5.51	186	1				
3/19/70	4.02	67	1				
4/ 1/70	4.58	107	1				
4/19/70	4.35	90	1				
4/25/70	4.36	91	5				
5/11/70	6.31	266	1				
10/12/70	5.48	183	1				

a Floodmark

b Estimated

## MOBILE RIVER BASIN

2-4359.20 Cotton Gin Branch near Tupelo, Miss.

Location.--Lat  $34^{\circ}14'10''$ , long  $88^{\circ}50'20''$ , in  $SE\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$  sec. 1, T. 10 S., R. 4 E., Chickasaw meridian, at a 10x4-foot box culvert on State Highway 6, and  $7\frac{1}{2}$  miles west of Tupelo in Lee County.

Gage and history.--Crest-stage gage. Prior to May 21, 1965, crest-stage gage. May 21, 1965, to Sept. 30, 1971, circular chart recorder, all at same site and datum.

Basin parameters.--D.A. = 0.30 sq mi.; L = 1.05 mi.; H = 64 ft.;  $\bar{S}$  = 0.008; M = 0.98; CN = 81.

Type of flow.--Type I.

Remarks.--Annual peaks only prior to May 1965; all peaks thereafter above 70 cfs.

Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
3/21/55	a5.14	195	2				
1956	4.47	140	2				
4/ 4/57	5.95	266	2				
11/15/57	4.53	145	2				
6/ 9/59	5.27	205	2				
12/27/59	5.60	234	2				
12/29/60	3.45	71	2				
4/11/62	5.77	249	2				
7/17/63	4.11	114	2				
3/14/64	4.17	119	2				
8/ 8/65	2.20	11	2				
2/10/66	3.67	83	2				
4/25/67	4.78	161	2				
7/ 9/67	4.98	179	2				
8/ 3/67	3.77	90	2				
4/27/68	3.86	96	2				
4/13/69	3.35	64	2				
12/30/69	3.83	94	2				
3/19/70	3.83	94	2				
4/25/70	3.50	73	1				
5/11/70	3.77	90	1				
2/21/71	4.24	123	2				
3/25/71	2.92	41	2				
12/ 3/71	2.84	37	2				
3/16/73	4.41	135	2				

a Floodmark

## MOBILE RIVER BASIN

2-4359.30 Shell Creek near Tupelo, Miss.

Location.--Lat  $30^{\circ}14'$ , long  $88^{\circ}49'$ , in NW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 6, T.10 S., R.5 E., Chickasaw meridian at a 7x5-foot box culvert on State Highway 6, 6.6 miles west of intersection of State Highway 6 and U.S. Highway 45 in Tupelo in Lee County.

Gage and history.--Crest-stage gage. Prior to May 21, 1965, crest-stage gage. May 21, 1965, to Sept. 30, 1971, circular chart recorder, all at same site and datum.

Basin parameters.--D.A. = 0.20 sq mi.; L = .80 mi; H = 58 ft;  $\bar{S}$  = 0.008; M = 1.00, CN = 83.

Type of flow.--Type I.

Remarks.--Annual peaks only prior to May 1965; all peaks thereafter above 60 cfs.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
3/21/55	5.70	149	2				
1956	5.14	117	2				
6/ 4/57	7.53	275	2				
11/15/57	4.30	73	2				
6/ 9/59	4.83	100	2				
12/27/59	5.05	111	2				
2/21/61	3.46	37	2				
4/11/62	6.28	182	2				
3/11/63	5.91	161	2				
3/14/64	4.05	60	2				
3/26/65	3.71	46	2				
2/10/66	4.21	68	2				
4/25/67	4.62	89	2				
7/ 9/67	5.06	111	2				
4/27/68	4.59	88	2				
7/29/68	4.59	88	2				
4/14/69	4.04	60	2				
12/30/69	4.15	66	3				
5/11/70	4.01	58	1				
2/21/71	4.06	61	1				
3/25/71	3.57	41	4				
5/ 7/72	3.60	42	2				
3/16/73	4.74	95	2				

## MOBILE RIVER BASIN

2-4375.50 Nichols Creek near Quincy, Miss.

Location.--Lat 33°54'20", long 88°21'05", in SW¼ sec. 29, T.13 S., R.10 E., at a 10x6-foot box culvert on U.S. Highway 278, 1.0 mile southeast of Quincy, 9 miles southeast of Amory, in Monroe County.

Gage and history.--Digital punch-tape recorder August 16, 1966, to date.

Basin parameters.--D.A. = 0.54 sq mi; L = 1.43 mi; H = 123 ft;  $\bar{S}$  = 0.015; M = .97; CN = 73.

Type of flow.--Type I.

Remarks.--All peaks above 60 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
9/18/66	4.67	129	1				
7/ 5/67	3.86	74	1				
8/ 3/67	3.77	68	1				
12/14/67	4.11	90	1				
12/18/67	5.70	213	3				
1/ 9/68	3.67	62	1				
1/10/68	3.68	63	1				
7/ 2/68	3.80	70	1				
7/26/69	3.64	60	1				
12/30/69	4.63	126	2				
3/19/70	3.74	66	1				
4/26/70	4.80	139	1				
10/12/70	4.20	96	2				
2/21/71	3.86	74	1				
2/21/71	4.08	88	1				
2/26/71	3.86	74	1				
2/26/71	3.85	73	1				
3/ 2/71	3.64	60	1				
5/13/71	4.08	88	7				
8/11/71	3.83	72	1				
8/31/71	3.69	63	1				
1/ 3/72	4.04	85	1				
1/ 4/72	4.21	97	1				
3/ 2/72	4.04	85	1				
4/22/72	4.50	117	1				
1/ 3/73	3.42	49	1				
3/15/73	4.12	90	1				
3/15/73	4.95	151	1				
3/16/73	7.03	338	1				



## MOBILE RIVER BASIN

2-4398 Cowbell Creek near Houlka, Miss.

Location.--Lat 34°04'10", long 89°00'20", in NW¼SE¼NE¼ sec. 5, T.12 S., R. 3 E., at an 8x6-foot box culvert on State Highway 15, 1.75 miles north of Houlka in Chickasaw County.

Gage and history.--Crest-stage gage. Prior to May 26, 1965, crest-stage gage. May 26, 1965, to Sept. 30, 1971, circular chart recorder, all at same site and datum.

Basin parameters.--D.A. = 0.46 sq mi; L = 1.28 mi; H = 60 ft;  $\bar{S}$  = .005; M = .99; CN = 76.

Type of flow.--Type III below about 5.5 feet, Type I above.

Remarks.--Annual peaks only prior to May 1965, all peaks thereafter above 100 cfs.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
4/12/55	a7.67	380	2	2/26/71	4.67	100	3
4/30/56	5.32	220	2	1/22/72	5.26	171	2
4/ 4/57	5.45	234	2	1/ 3/73	4.74	109	2
11/16/57	5.39	228	2	3/15/73	7.09	322	2
2/12/59	4.46	72	2				
1/17/60	5.10	162	2				
2/20/61	5.56	213	2				
12/17/61	4.74	107	2				
3/11/63	5.01	142	2				
3/14/64	4.80	115	2				
3/26/65	4.59	85	2				
2/10/66	5.26	171	3				
6/ 6/66	5.92	244	3				
2/20/67	4.56	103	2				
12/17/67	5.00	140	2				
3/11/68	4.71	105	2				
5/14/68	4.96	135	2				
2/ 2/69	4.70	104	2				
3/23/69	4.82	118	2				
4/14/69	6.81	297	2				
12/30/69	5.35	180	3				
4/ 1/70	5.31	176	2				
4/17/70	5.16	159	3				
4/25/70	4.72	106	3				
4/26/70	5.57	200	3				
6/15/70	4.73	135	4				
6/26/70	4.83	120	1				
2/ 4/71	5.01	141	3				
2/21/71	5.67	185	4				

a Floodmark

## MOBILE RIVER BASIN

2-4400.20 Chuquatonchee Creek Trib. near Trebloc, Miss.

Location.--Lat 33°50'25", long 88°48'20", on line between SW¼ sec.20 and NW¼ sec. 29, T. 14 S., R.5 E., at a 10x8-foot box culvert on Miss. Highway 8, 1½ miles east of Trebloc in Chickasaw County.

Gage and history.--Crest-stage gage. August 12, 1966 to Sept. 24, 1971, digital punch tape recorders at same site and datum.

Basin parameters.--D.A. = 0.72 sq mi; L = 1.28 mi; H = 68 ft;  $\bar{S}$  = 0.009; M = 1.22; CN = 87.

Type of flow.--Type III.

Remarks.--All peaks above 100 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
2/19/66	5.22	a76	1	10/22/72	5.06	143	2
7/ 9/67	7.18	230	2	1/ 6/73	5.33	155	2
7/12/67	7.81	281	2	3/16/73	7.39	350	2
12/ 2/67	5.50	85	1	3/24/73	5.66	192	2
12/14/67	7.44	251	1				
12/17/67	6.36	172	1				
12/21/67	5.79	a119	1				
1/ 6/68	5.79	a119	3				
1/ 9/68	6.76	200	3				
5/11/68	5.72	105	1				
5/13/68	6.06	125	1				
5/17/68	5.81	110	1				
12/27/68	6.25	165	3				
3/18/69	6.13	157	1				
3/23/69	6.67	194	1				
4/10/69	5.96	133	1				
4/13/69	6.84	203	1				
6/19/69	5.51	118	2				
12/29/69	6.13	208	1				
12/30/69	7.41	342	1				
3/19/70	7.80	388	1				
4/ 1/70	6.13	220	1				
4/19/70	7.68	364	3				
4/26/70	7.41	332	3				
10/24/70	5.82	162	1				
1/ 4/71	6.06	202	1				
2/21/71	9.18	540	1				
2/26/71	7.42	306	1				
1/ 4/72	6.71	285	2				
3/ 2/72	5.01	132	2				
5/ 7/72	7.59	370	2				

a Revised



## MOBILE RIVER BASIN

2-4412.20 Sand Creek Trib. near Mayhew, Miss.

Location.--Lat 33°28'40", long 88°43'20", on line between SW¼ sec. 27, and NW¼ sec. 34, T.19 N., R.15 E., at an 8x5-foot box culvert on U.S. Highway 82 3.7 miles west of Mayhew in Oktibbeha County.

Gage and history.--Digital punch tape recorders May 5, 1965 to date.

Basin parameters.--D.A. = 0.44 sq mi; L = 1.10 mi; H = 54 ft;  $\bar{S}$  = 0.008; M = 1.12; CN = 84.

Type of flow.--Type I or II.

Remarks.--All peaks above 50 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
7/ 7/65	4.34	89	1	6/25/72	4.30	87	2
2/12/66	3.88	63	1	12/14/72	3.61	50	1
4/27/66	4.51	100	1	12/15/72	5.74	179	1
4/29/66	4.13	77	1	1/ 3/73	4.72	112	1
5/18/66	3.82	60	1	1/ 7/73	3.64	52	1
9/18/66	4.77	115	2	2/ 1/73	3.65	52	1
12/ 3/66	3.64	53	2	2/13/73	3.79	58	1
2/20/67	3.99	68	1	3/11/73	3.77	58	3
7/ 9/67	5.78	a182	1	3/15/73	4.94	125	3
12/ 2/67	4.02	70	1	3/16/73	6.04	201	3
12/18/67	5.48	161	1	3/24/73	4.87	121	3
12/21/67	3.71	54	1				
1/ 9/68	4.24	83	2				
7/ 9/68	7.02	280	2				
3/23/69	3.59	50	6				
4/14/69	4.46	97	2				
5/18/69	5.94	193	2				
12/30/69	4.60	105	7				
3/19/70	4.22	82	7				
4/16/70	5.63	171	7				
2/21/71	6.23	216	2				
7/28/71	4.22	82	2				
9/ 2/71	4.71	112	1				
9/17/71	3.85	62	1				
12/ 6/71	3.67	53	1				
12/11/71	4.18	80	1				
1/ 2/72	3.59	50	1				
1/ 3/72	4.84	119	1				
1/10/72	5.81	184	1				
3/ 8/72	6.26	219	1				
6/17/72	6.05	202	2				

a Revised

# MOBILE RIVER BASIN

2-4436.05 Mayo Slough Tributary near Columbus, Miss.

Location.--Lat 33°28'40", long 88°31'05" on line between SE¼ sec. 28, and NE¼ sec. 33, T.19 N., R.17 E., at an 8x4-foot box culvert on U.S. Highway 82, 5.0 miles west of Columbus, Miss., in Lowndes County.

Gage and history.--Crest-stage gage. July 23, 1964, to Sept. 30, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 0.24 sq mi; L = 0.70 mi; H = 33 ft;  $\bar{S}$  = 0.008; M = 1.29; CN = 84.

Type of flow.--Type I.

Remarks.--All peaks above 75 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
2/ 8/65	6.36	238	3				
3/26/65	4.35	99	1				
4/12/65	3.99	78	3				
4/20/66	5.77	194	3				
4/26/66	4.37	100	3				
7/ 9/67	4.66	118	1				
12/ 2/67	5.33	163	1				
12/17/67	4.63	116	1				
3/22/68	4.63	116	3				
7/ 9/68	7.47	302	1				
4/14/69	4.01	80	1				
3/ 4/70	4.00	79	2				
3/19/70	5.24	157	4				
4/16/70	5.61	183	1				
2/21/71	4.73	122	2				
5/ 9/71	4.09	84	3				
5/10/71	4.15	86	3				
5/12/71	4.24	92	3				
8/ 5/71	4.33	98	1				
1/10/72	5.62	183	2				
3/ 8/72	6.16	222	2				
1/ 7/73	4.98	139	2				
1/21/73	4.28	95	2				
2/13/73	3.92	75	2				
3/15/73	5.48	174	2				

## MOBILE RIVER BASIN

2-4437 Cedar Creek near Brooksville, Miss.

Location.--Lat 33°20'00", long 88°32'30" in SW¼ sec. 17, T.17 N., R.17 E., at a 10x6-foot box culvert on U.S. Highway 45, 7.5 miles north of Brooksville, in Lowndes County.

Gage and history.--Crest stage gage. July 23, 1964, to Sept. 30, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 0.49 sq mi; L = 1.17 mi; H = 22 ft;  $\bar{S}$  = 0.004; M = 1.11; CN = 83.

Type of flow.--Type III below about 7 feet, Type 1 above.

Remarks.--All peaks above 90 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
1/10/65	5.04	120	2				
2/ 9/65	6.83	360	1				
4/12/65	4.86	116	1				
8/ 6/65	4.61	96	2				
8/15/66	4.82	112	2				
7/ 9/67	6.77	350	3				
12/ 2/67	5.34	113	2				
12/ 9/67	4.90	195	2				
12/17/67	5.63	178	2				
1/ 9/68	4.85	93	2				
7/ 9/68	6.97	376	7				
8/ 5/68	5.39	177	1				
12/20/68	5.62	155	1				
4/10/69	6.08	270	3				
3/ 9/70	5.92	204	2				
3/20/70	4.96	100	2				
11/20/70	4.92	122	2				
2/21/71	7.10	393	2				
5/13/71	6.23	280	3				
9/16/71	4.60	92	1				
1/10/72	6.00	250	2				
12/14/72	5.60	80	2				
3/15/73	6.22	245	2				

## MOBILE RIVER BASIN

2-4472.20 Bogue Fallah Creek Trib. near Ackerman, Miss.

Location.--Lat  $33^{\circ}20'10''$ , long  $89^{\circ}07'10''$  in SW $\frac{1}{4}$  sec. 14, T.17 N., R.11 E., at a 8x6-foot box culvert on State Highway 12, 0.2 mile northeast of Fulcher and 4.1 miles northeast of intersection of State Highways 12 and 15 at Ackerman, in Choctaw County.

Gage and history.--Crest-stage gage. June 25, 1965, to Sept. 30, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 0.34 sq mi; L = 1.08 mi; H = 146 ft;  $\bar{S}$  = .014; M = 1.01; CN = 68.

Type of flow.--Type I.

Remarks.--All peaks above 30 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
2/ 9/66	3.11	31	1	3/15/73	5.22	144	2
4/21/66	3.07	30	3	3/ 2/73	3.97	72	2
4/26/66	4.29	88	1				
2/20/67	3.00	27	2				
12/ 9/67	3.50	48	3				
12/17/67	5.44	160	3				
1/10/68	3.47	46	3				
3/21/68	3.47	46	3				
7/ 9/68	4.00	73	1				
11/28/68	3.14	33	4				
12/20/68	3.18	34	3				
2/ 2/69	3.28	38	3				
3/23/69	3.64	55	3				
4/10/69	5.67	176	3				
4/13/69	5.10	136	3				
12/21/69	3.11	31	1				
12/30/69	4.09	78	3				
3/19/70	3.18	34	3				
4/16/70	4.01	74	5				
10/12/70	3.07	30	1				
2/21/71	3.46	46	2				
4/21/71	3.77	62	1				
5/12/71	4.54	102	4				
1/ 3/72	4.14	80	2				
1/10/72	5.12	137	2				
3/ 2/72	4.94	126	2				
3/ 7/72	3.37	42	2				
1/ 7/73	4.72	113	2				
2/13/73	3.51	48	2				

# MOBILE RIVER BASIN

2-4472.80 Lawson Branch near Betheden, Miss.

Location.--Lat 33°15'40", long 88°56'50", in NW¼NW¼NW¼ sec. 11, T. 16 N., R.13 E., at a 10x8-foot box culvert on State Highway 25, 3.4 miles north of Betheden, 11.8 miles northeast of Louisville in Winston County.

Gage and history.--Crest-stage gage. June 25, 1965 to Sept. 30, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 1.11 sq mi; L = 2.16 mi; H = 249 ft;  $\bar{S}$  = .009; M = .93; CN = 77.

Type of flow.--Type III below about 4.5 feet, Type I above.

Remarks.--All peaks above 70 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
9/23/65	3.25	70	1				
2/10/66	3.72	94	2				
4/26/66	4.51	186	1				
2/20/67	3.57	96	2				
12/ 1/67	8.13	622	1				
12/ 9/67	6.17	368	3				
1/ 9/68	4.06	141	3				
3/21/68	3.56	80	7				
5/13/68	5.64	305	3				
7/ 7/68	4.04	139	3				
7/ 9/68	6.85	450	3				
12/20/68	4.37	172	3				
3/23/69	3.99	134	2				
4/ 5/69	4.86	221	5				
4/10/69	5.74	317	3				
4/13/69	6.60	420	3				
4/16/70	5.01	160	1				
2/21/71	3.86	100	1				
2/26/71	4.85	195	1				
5/12/71	4.89	190	5				
7/25/71	4.60	175	1				
1/ 3/72	4.17	128	2				
1/10/72	6.83	448	2				
1/ 7/73	4.58	193	2				
2/13/73	3.77	114	2				
3/15/73	6.85	450	2				
3/24/73	4.71	176	2				

## MOBILE RIVER BASIN

2-4473.40 Cypress Creek Tributary at Bradley, Miss.

Location.--Lat 33°22'20", long 88°59'00", in NE¼NE¼NE¼ sec.1, T.17 N., R.12 E., at an 8x5-foot box culvert on State Highway 12, 0.3 mile southwest of Bradley in Oktibbeha County.

Gage and history.--Crest-stage gage. June 24, 1965 to Sept. 30, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 0.60 sq mi; L = 1.86 mi; H = 70;  $\bar{S}$  = .009; M = .80; CN = 74.

Type of flow.--Type III.

Remarks.--All peaks above 40 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
4/21/66	3.77	50	1	3/15/73	5.45	215	2
4/26/66	3.64	40	1	3/24/73	4.29	99	2
8/10/67	4.02	38	1				
12/10/67	4.14	84	3				
12/17/67	6.38	308	3				
1/ 9/68	4.07	77	3				
3/21/68	3.67	42	1				
4/28/68	4.37	107	1				
12/20/68	3.94	64	3				
2/ 2/69	3.94	64	2				
3/18/69	3.75	48	1				
3/23/69	4.22	92	1				
4/ 5/69	4.87	157	3				
4/10/69	4.60	130	3				
4/13/69	5.97	267	3				
12/30/69	3.82	54	3				
3/19/70	3.67	42	3				
4/16/70	4.42	112	1				
5/ 2/70	4.03	94	1				
2/21/71	3.63	40	3				
2/26/71	4.11	81	3				
4/29/71	4.09	79	3				
5/12/71	4.85	155	5				
1/ 3/72	4.22	115	2				
1/10/72	4.41	130	2				
3/ 2/72	3.83	75	2				
3/ 8/72	3.82	74	2				
1/ 7/73	4.34	104	2				
2/13/73	4.30	100	2				

# MOBILE RIVER BASIN

2-4486.20 Flat Scooba Creek Tributary near Scooba, Miss.

Location.--Lat 32°50'20", long 88°28'10", in SE¼ sec. 32, T.12 N., R.18 E., at an 8x6-foot box culvert at U.S. Highway 45, 0.8 mile north of Scooba in Kemper County.

Gage and history.--Crest-stage gage. Aug. 15, 1966 to Sept. 24, 1971, Digital-punch tape recorder at same site and datum.

Basin parameters.--D.A. = 0.44 sq mi; L = 1.03 mi; H = 40 ft;  $\bar{S}$  = .006; M = 1.19; CN = 75.

Type of flow.--Type I or II.

Remarks.--All peaks above 50 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
12/ 9/66	4.00	58	1	1/21/73	3.97	56	2
8/ 9/67	4.72	97	1	2/13/73	4.63	92	2
8/10/67	4.05	61	1	3/15/73	4.62	91	2
12/10/67	4.24	70	1				
12/11/67	4.61	91	1				
12/21/67	3.93	54	1				
3/11/68	4.46	82	1				
4/ 4/68	4.00	50	1				
4/28/68	5.58	155	1				
7/18/68	3.90	53	1				
3/23/69	4.16	66	1				
4/10/69	4.13	64	1				
4/13/69	4.18	67	1				
3/19/70	4.55	87	1				
4/ 1/70	4.27	72	1				
5/ 1/70	4.07	62	1				
12/12/70	4.37	76	1				
1/ 4/71	4.51	85	1				
2/21/71	4.85	105	1				
2/21/71	4.29	72	1				
2/26/71	4.27	72	1				
4/30/71	4.33	74	1				
5/10/71	5.38	141	1				
5/12/71	4.50	84	1				
6/17/71	4.28	72	1				
6/18/71	5.34	138	1				
9/17/71	4.17	66	1				
1/ 3/72	5.21	129	2				
1/10/72	4.42	79	2				
3/ 2/72	3.87	52	2				



## MOBILE RIVER BASIN

2-4671 Hamilton Branch near Dekalb, Miss.

Location.--Lat  $32^{\circ}47'30''$ , long  $88^{\circ}35'40''$ , in NE $\frac{1}{4}$  sec.19, T.11 N., R.17 E., at a 16x6-foot box culvert on State Highway 16, 4.2 miles northeast of Dekalb, in Kemper County.

Gage and history.--Crest-stage gage. June 16, 1964, to Sept. 30, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 0.97 sq mi; L = 1.53 mi; H = 110 ft;  $\bar{S}$  = 0.007; M = 1.19; CN = 70.

Type of flow.--Type III below about 7.5 feet; Type I above.

Remarks.--All peaks above 150 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
12/11/64	5.50	197	2				
2/12/65	5.63	226	3				
3/30/65	5.33	164	1				
2/10/66	5.37	153	2				
4/26/66	5.94	320	2				
5/22/67	4.37	51	1				
12/11/67	5.95	410	2				
12/17/67	5.70	370	2				
3/11/68	6.31	381	4				
3/21/68	5.04	135	1				
4/ 4/68	5.36	190	3				
3/23/69	5.46	189	3				
4/10/69	5.87	278	1				
3/19/70	5.46	175	1				
4/16/70	5.64	191	1				
5/ 2/70	4.94	151	1				
2/21/71	5.70	241	2				
5/12/71	6.09	331	1				
5/27/71	5.50	197	5				
1/ 3/72	6.15	344	2				
1/21/73	5.69	215	2				
3/16/73	7.29	601	2				



# MOBILE RIVER BASIN

2-4696.72 Little Okatuppa Creek near Quitman, Miss.

Location.--Lat 32°05'00", long 88°27'10", in NW¼SE¼SE¼, sec.21, T.3 N., R.18 E. at a double 16x10-foot box culvert on State Highway 18, 17.6 miles east of Quitman in Clarke County.

Gage and history.--Crest-stage gage. June 16, 1965, to Sept. 30, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 4.35 sq mi; L = 3.69 mi; H = 212 ft;  $\bar{S}$  = .009; M = 1.06; CN = 71.

Type of flow.--Type III below about 8 feet, Type I above.

Remarks.--All peaks above 300 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
8/ 9/65	3.78	309	1	12/20/72	4.63	521	2
8/10/65	3.91	340	1	12/30/72	4.32	441	2
9/30/65	3.77	307	1	1/21/73	5.72	600	2
2/10/66	5.94	570	2	3/16/73	5.39	840	2
2/14/66	4.52	465	2				
3/ 4/66	3.87	331	1				
3/14/66	3.76	305	1				
5/ 4/67	3.90	338	1				
12/14/67	5.81	353	2				
4/ 4/68	3.97	355	3				
11/17/68	4.92	420	2				
12/21/68	6.22	580	3				
2/ 2/69	4.48	300	2				
3/23/69	5.26	500	1				
4/13/69	5.10	648	3				
5/ 8/69	5.57	786	3				
12/ 6/69	4.32	490	2				
3/19/70	4.32	441	2				
7/24/70	4.12	391	1				
10/19/70	4.32	441	5				
2/21/71	6.04	580	1				
3/ 2/71	6.96	741	1				
3/18/71	5.00	620	1				
3/25/71	5.58	789	1				
5/12/71	5.26	461	3				
12/ 6/71	6.60	840	2				
1/ 9/72	6.90	1,220	2				
1/20/72	6.54	741	2				
1/30/72	4.46	340	2				
3/ 2/72	5.82	651	2				

# PASCAGOULA RIVER BASIN

2-4721.60 Big Creek Tributary near Laurel, Miss.

Location.--Lat  $31^{\circ}41'20''$ , long  $89^{\circ}19'35''$  in NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec.5, T.8 N., R.13 W., at a 7x4-foot box culvert on U.S. Highway 84, 11.4 miles west of Laurel in Jones County.

Gage and history.--Crest-stage gage. June 10, 1965, to Sept. 22, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 0.17 sq mi; L = .63 mi; H = 67 ft;  $\bar{S}$  = 0.015; M = 1.20; CN = 69.

Type of flow.--Type I.

Remarks.--All peaks above 50 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
2/10/66	4.69	102	2				
3/ 3/66	5.63	156	2				
8/17/66	3.71	54	1				
5/ 4/67	3.78	57	2				
12/14/67	3.70	53	2				
12/21/67	5.07	122	2				
12/21/68	4.32	83	2				
12/30/68	4.17	75	6				
3/23/69	3.61	50	1				
5/18/69	3.62	51	6				
2/ 1/70	3.59	50	3				
8/ 4/70	4.17	76	3				
10/13/70	4.33	84	3				
12/15/70	4.98	117	2				
1/ 4/71	4.09	72	1				
2/20/71	3.97	66	2				
3/19/71	3.97	66	3				
4/22/71	4.54	94	3				
12/ 6/71	5.02	119	2				
1/ 4/72	4.54	94	2				
1/20/72	4.05	70	2				
3/ 2/72	4.53	94	2				
4/21/72	3.72	55	2				
12/20/72	3.94	64	2				
3/ 6/73	6.27	197	2				
3/16/73	3.68	53	2				
3/24/73	6.21	193	2				

# PASCAGOULA RIVER BASIN

2-4727 Okatoma Creek Tributary at Mt. Olive, Miss.

Location.--Lat  $31^{\circ}46'$ , long  $89^{\circ}38'$  in NE $\frac{1}{4}$  sec. 7, T.9 N., R.16 W., at a double 6x4-foot box culvert on State Highway 532, 0.3 mile east of Mt. Olive in Covington County.

Gage and history.--Crest-stage gage. July 2, 1964, to Sept. 21, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 0.33 sq mi; L = 1.01 mi; H = 69 ft;  $\bar{S}$  = .010; M = 1.06; CN = 72.

Type of flow.--Type I.

Remarks.--All peaks above 40 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
10/ 4/64	3.94	99	3				
12/10/64	3.54	71	3				
2/12/65	4.69	163	4				
8/19/65	3.13	45	1				
2/10/66	3.15	46	2				
11/11/66	3.29	54	2				
12/14/67	3.54	71	1				
3/23/69	3.61	76	1				
4/10/69	3.20	49	1				
4/13/69	3.95	100	3				
8/15/70	3.17	47	7				
10/12/70	3.16	47	7				
4/22/71	3.55	72	5				
6/ 6/71	3.35	58	1				
12/ 6/71	3.05	40	2				
1/ 9/72	3.30	55	2				
4/21/72	3.92	98	2				
12/20/72	4.20	120	2				
2/13/73	4.10	112	2				
3/24/73	5.85	276	2				
3/30/73	4.52	148	2				

# PASCAGOULA RIVER BASIN

2-4728.10 Okatoma Creek Tributary No. 2 near Collins, Miss.

Location.--Lat  $31^{\circ}36'30''$ , long  $89^{\circ}32'00''$  in SW $\frac{1}{4}$  sec. 32, T.8 N., R.15 W., at a 6x6-foot box culvert on U.S. Highway 49, 1.65 miles south of Collins city limits in Covington County.

Gage and history.--Digital punch tape recorders August 9, 1966, to date.

Basin parameters.--D.A. = 0.21 sq mi; L = .78 mi; H = 75 ft;  $\bar{S}$  = .006; M = 1.11; CN = 70.

Type of flow.--Type I.

Remarks.--All peaks above 30 cfs listed.

## Peak stages and discharges

Date	Stage	Discharge	Available	Date	Stage (ft)	Discharge (cfs)	Available data
10/ 9/66	8.57	312	1	6/ 6/71	3.69	40	1
5/ 4/67	4.65	78	1	12/ 3/71	3.40	31	1
6/ 1/67	3.62	38	1	12/ 6/71	5.09	100	3
12/ 2/67	3.42	32	3	12/15/71	4.07	55	1
12/14/67	4.36	66	1	12/20/71	3.62	38	1
4/ 4/68	3.72	41	2	1/ 3/72	3.42	32	1
4/29/68	3.36	30	2	1/21/72	3.57	36	3
12/21/68	6.93	202	1	1/29/72	3.35	30	3
12/22/68	3.45	32	1	6/29/72	3.49	34	3
12/30/68	3.40	31	1	12/20/72	4.24	62	2
3/17/69	4.16	58	1	2/14/73	3.88	47	3
3/23/69	4.31	64	1	3/ 6/73	6.09	151	1
4/10/69	3.91	48	1	3/16/73	4.30	64	5
4/13/69	4.94	93	1	3/24/73	7.54	240	3
12/ 6/69	3.75	42	2				
2/ 1/70	3.95	50	1				
3/ 4/70	3.62	38	1				
5/ 2/70	4.11	56	2				
6/24/70	4.08	55	2				
8/15/70	4.46	70	2				
10/13/70	4.27	63	1				
10/19/70	4.17	59	1				
12/15/70	3.63	38	1				
12/30/70	3.73	41	1				
1/ 4/71	3.81	44	1				
2/12/71	3.49	34	1				
2/21/71	4.05	54	1				
3/ 1/71	3.85	46	1				
3/18/71	5.21	106	1				
5/12/71	3.59	37	1				

# PASCAGOULA RIVER BASIN

2-4738.50 Tallahoma Creek Tributary at Lake Como, Miss.

Location.--Lat 31°57'40", long 89°12'20", on line between SE¼ sec.31 and NE¼ sec. 6, T.2 N., R.11 E., at a double 16x8-foot box culvert on State Highway 528, 0.5 mile east of Lake Como in Jasper County.

Gage and history.--Crest-stage gage. May 11, 1965, to Sept. 20, 1971, digital punch-tape recorders at same site and datum.

Basin parameters.--D.A. = 3.21 sq mi; L = 3.47 mi; H = 160 ft;  $\bar{S}$  = 0.008; M = .98; CN = 73.

Type of flow.--Type III.

Remarks.--All peaks above 300 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
4/ 6/64	2.27	3,120	2	4/17/69	7.46	1,220	1
7/26/65	4.60	300	1	9/19/69	5.65	628	1
8/ 8/65	5.17	474	1	2/25/70	5.16	471	7
1/ 4/66	4.75	345	1	10/13/70	4.78	354	3
1/29/66	5.83	686	1	10/19/70	5.29	513	1
2/ 9/66	6.68	958	2	1/ 4/71	4.99	417	1
2/15/66	7.55	1,250	2	2/21/71	8.80	1,400	2
4/21/66	5.90	708	1	2/26/71	6.25	820	2
5/21/66	4.95	405	1	3/13/71	5.21	487	3
8/ 3/66	4.82	366	1	3/19/71	6.55	916	1
8/19/66	5.64	625	1	3/25/71	6.70	964	1
10/ 9/66	5.38	542	2	4/22/71	7.02	1,070	7
10/18/66	5.16	471	2	5/12/71	6.69	961	7
11/11/66	7.75	1,320	2	8/16/71	4.76	348	1
12/ 9/66	4.80	360	1	9/17/71	4.97	411	3
5/ 4/66	5.62	618	1	12/ 6/71	6.59	929	2
7/18/67	4.80	360	1	1/ 9/72	7.75	1,320	2
8/ 3/67	6.35	852	4	1/29/72	5.79	673	2
12/11/67	4.81	363	1	3/ 2/72	4.87	380	2
12/15/67	6.50	900	1	12/20/72	6.24	817	2
12/22/67	6.13	782	1	2/13/73	6.21	807	2
3/22/68	4.72	336	1	3/24/73	7.62	1,280	2
4/ 5/68	4.94	402	1	3/30/73	8.81	1,400	2
4/29/68	6.32	842	1				
5/13/68	5.15	468	1				
12/21/68	6.74	977	2				
3/23/69	6.56	919	1				
4/ 5/69	5.06	439	1				
4/10/69	6.37	858	1				
4/13/69	7.68	1,300	1				

# PASCAGOULA RIVER BASIN

2-4750.50 Waterfall Branch near McLain, Miss.

Location.--Lat 31°07'10", long 88°45'25", in SW¼NE¼SE¼ sec.23, T.2 N., R.8 W., at an 8x8-foot box culvert on State Highway 57, 4.2 miles east of McLain in Greene County.

Gage and history.--Crest-stage gage. Prior to May 25, 1965, crest-stage gage. May 25, 1965, to Sept. 30, 1971, circular-chart recorder, all at same site and datum.

Basin parameters.--D.A. = 0.65 sq mi; L = 1.00 mi; H = 104 ft;  $\bar{S}$  = .012; M = 1.46; CN = 70.

Type of flow.--Type I.

Remarks.--Annual peaks only prior to May 1965; all peaks thereafter above 100 cfs.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
4/12/55	a8.73	445	2	5/12/71	4.38	103	3
7/ 8/56	6.68	268	2	12/ 2/71	4.38	103	2
9/18/57	7.26	317	2	12/20/71	4.85	132	2
9/22/58	7.28	318	2	1/20/72	4.47	108	2
6/ 1/59	11.71	764	2	5/ 2/72	7.40	324	2
5/ 7/60	9.65	541	2	5/ 7/72	4.97	141	2
2/20/61	6.76	274	2	12/20/72	6.81	277	2
11/14/61	8.26	405	2	3/24/73	8.19	395	2
1/20/63	4.85	135	2				
3/ 2/64	6.18	228	2				
1/22/65	5.46	175	2				
1/ 4/66	5.20	157	3				
2/10/66	5.67	190	1				
2/12/66	4.70	122	3				
2/16/66	4.80	129	3				
2/27/66	4.73	124	1				
8/12/66	4.33	100	1				
12/28/66	4.96	140	3				
8/25/67	4.49	109	2				
12/ 9/67	4.56	114	1				
3/23/69	4.71	123	1				
4/13/69	6.57	258	3				
8/17/69	4.35	101	1				
3/ 3/70	5.62	186	3				
10/10/70	6.82	278	2				
12/15/70	4.59	115	3				
12/29/70	4.56	114	3				
2/ 7/71	4.36	102	3				
3/ 2/71	4.39	103	1				

a Floodmark

# PASCAGOULA RIVER BASIN

2-4752.20 Little Rock Creek Trib. near Little Rock, Miss.

Location.--Lat 32°31', long 89°01' in NW¼ sec.30, T.8 N., R.13 E., at a 6x5-foot box culvert on State Highway 494, 1.2 miles southeast of Little Rock in Newton County.

Gage and history.--Crest-stage gage. July 6, 1964 to Sept. 30, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 0.22 sq mi; L = 0.66 mi; H = 118 ft;  $\bar{S}$  = .022; M = 1.31; CN = 72.

Type of flow.--Type I.

Remarks.--All peaks above 20 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
12/10/64	2.99	23	1				
2/10/65	3.51	40	1				
5/13/66	6.24	171	1				
5/22/66	3.15	28	1				
3/27/67	2.60	12	1				
12/ 9/67	2.65	14	3				
4/13/69	3.91	56	1				
4/17/69	3.72	49	1				
5/ 2/70	3.61	44	1				
2/20/71	2.91	20	3				
4/21/71	3.01	23	1				
5/12/71	3.22	30	1				
12/ 6/71	4.03	61	2				
1/ 9/72	6.88	210	2				
3/28/72	2.89	20	2				
3/30/73	3.19	29	2				



# PASCAGOULA RIVER BASIN

2-4770.50 Souinlovey Creek near Baxter, Miss.

Location.--Lat  $32^{\circ}13'$ , long  $89^{\circ}08'$ , in NE $\frac{1}{4}$  sec.3, T.4 N., R.11 E., at a 10x8-foot box culvert on State Highway 15, 2.6 miles north of Baxter in Jasper County.

Gage and history.--Crest-stage gage. July 2, 1964, to Sept. 30, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 1.14 sq mi; L = 1.62 mi; H = 167 ft;  $\bar{S}$  = .015; M = 1.21; CN = 75.

Type of flow.--Type II.

Remarks.--All peaks above 200 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
4/ 5/64	a9.29	577	2				
10/ 4/64	6.66	293	3				
12/11/64	6.70	297	1				
2/12/65	8.13	446	2				
2/12/66	5.78	213	2				
2/16/66	6.30	260	3				
6/14/66	5.63	200	1				
5/21/67	6.01	234	1				
8/ 2/67	7.10	337	3				
12/14/67	8.23	457	2				
3/23/69	7.07	334	2				
4/13/69	9.10	554	2				
3/14/70	6.38	267	7				
8/15/70	8.70	509	5				
10/19/70	5.94	228	1				
1/ 4/71	6.22	253	3				
2/21/71	7.67	396	3				
12/ 6/71	7.02	329	2				
1/ 9/72	7.02	329	2				
12/30/72	7.17	344	2				
1/21/73	8.14	447	2				
2/13/73	7.32	359	2				
3/24/73	8.35	470	2				

a Floodmark



# PASCAGOULA RIVER BASIN

2-4770.90 Powers Creek near Rose Hill, Miss.

Location.--Lat 32°07', long 89°02', in NE¼ sec. 11, T.3 N., R.12 E., at a double 5x5-foot box culvert on State Highway 18, 3.0 miles southwest of Rose Hill in Jasper County.

Gage and history.--Digital punch-tape recorder. July 2, 1964 to Sept. 20, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 0.45 sq mi; L = 1.10 mi; H = 204 ft;  $\bar{S}$  = .028; M = 1.13, CN = 76.

Type of flow.--Type I and Type V.

Remarks.--All peaks above 100 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
4/ 5/64	9.12	578	2	2/13/73	5.00	162	1
11/25/64	7.09	355	3	3/16/73	5.96	245	1
11/28/64	4.27	108	3	3/24/73	6.65	311	1
12/11/64	4.51	125	3	3/31/73	6.89	335	1
2/12/65	5.75	226	1				
2/10/66	4.49	130	3				
2/12/66	4.74	141	3				
2/15/66	4.76	143	3				
2/16/66	4.28	109	3				
5/19/66	5.69	221	1				
11/11/66	7.72	424	2				
7/20/67	7.50	400	1				
12/10/67	5.40	195	1				
12/14/67	5.69	221	5				
5/12/68	4.33	112	1				
12/21/68	4.40	117	3				
3/23/69	6.43	289	2				
4/13/69	10.15	589	2				
3/14/70	5.57	210	1				
10/19/70	5.28	184	1				
1/ 4/71	5.11	171	3				
1/24/71	5.86	236	1				
2/ 5/71	4.20	103	1				
2/21/71	7.18	365	3				
3/ 2/71	4.93	156	3				
3/25/71	5.25	182	2				
5/11/71	4.25	106	3				
5/12/71	4.43	119	3				
7/16/71	4.92	156	3				
12/ 6/71	4.61	132	1				
1/10/72	5.11	171	1				
12/30/72	5.68	220	1				

a Floodmark

# PASCAGOULA RIVER BASIN

2-4786 Granny Branch at Piave, Miss.

Location.--Lat 31°23'30", long 88°44'50", in SE¼ sec.13, T.5 N., R.8 W., at a 14x6-foot box culvert on State Highway 63, 0.3 mile southwest of Piave, 3.5 miles northeast of Sand Hill in Greene County.

Gage and history.--Crest-stage gage. Sept. 1, 1966, to Sept. 21, 1971, digital punch-tape recorders at same site and datum.

Basin parameters.--D.A. = 0.69 sq mi; L = 1.19 mi; H = 86 ft;  $\bar{S}$  = .009; M = 1.28; CN = 68.

Type of flow.--Type III.

Remarks.--All peaks above 25 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
11/11/66	3.55	27	2	6/24/70	4.66	135	1
12/31/67	3.52	25	2	7/21/70	4.43	110	1
2/ 6/67	3.81	50	2	7/22/70	4.59	127	1
5/ 2/67	4.22	89	5	8/ 6/70	3.55	25	1
5/ 4/67	4.10	77	4	8/ 9/70	4.24	91	1
12/10/67	3.56	28	1	8/11/70	4.40	107	1
12/18/67	4.02	69	1	10/14/70	4.67	136	1
12/22/67	3.53	25	1	10/19/70	3.80	49	1
1/ 1/68	3.68	38	1	10/24/70	3.78	47	1
3/11/68	3.56	28	5	11/14/70	3.52	25	1
8/13/68	3.66	36	1	12/29/70	4.32	99	1
8/16/68	4.40	107	1	1/ 4/71	4.27	94	1
9/ 5/68	3.98	65	1	2/ 5/71	3.53	25	1
10/10/68	4.64	132	1	2/ 7/71	3.82	51	1
12/ 3/68	3.92	60	3	2/12/71	3.97	64	1
3/17/69	3.90	58	1	2/20/71	3.78	47	1
3/23/69	3.78	47	1	2/26/71	4.00	67	1
4/10/69	4.18	85	1	3/ 2/71	5.24	201	1
4/13/69	6.16	330	1	3/ 2/71	4.62	130	1
4/17/69	3.64	35	1	3/19/71	4.00	67	3
7/12/69	4.07	74	1	3/25/71	3.57	28	3
7/31/69	3.77	46	1	3/29/71	3.84	53	3
8/19/69	3.87	55	1	4/ 2/71	3.55	25	3
8/21/69	5.13	188	1	4/28/71	4.03	97	1
12/ 6/69	4.00	67	1	5/12/71	5.02	238	2
12/21/69	4.24	91	2	5/20/71	4.54	211	2
1/ 6/70	3.57	29	1	7/30/71	4.65	158	2
1/11/70	3.86	54	1	8/31/71	3.84	61	1
2/ 1/70	4.01	68	3	9/ 1/71	3.63	36	1
3/ 3/70	4.76	146	1	9/16/71	4.18	102	1
3/21/70	3.53	25	5	12/ 2/71	5.35	246	2
				2/ 6/72	4.42	130	2

PASCAGOULA RIVER BASIN

2-4786 Granny Branch at Piave, Miss. - Continued--

Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
5/ 2/72	4.30	116	2				
5/ 7/72	4.40	128	2				
11/13/72	3.56	29	2				
12/20/72	4.41	129	2				
3/24/73	4.68	162	2				

# PASCAGOULA RIVER BASIN

2-4790.94 Blown Pine Creek near Hattiesburg, Miss.

Location.--Lat 31°18'10", long 89°31'00", on line between sec.16 and NW¼ sec. 21, T.4 N., R.15 W., at a double 10x10-foot box culvert on U.S. Highway 98, 11.3 miles west of intersection of U.S. Highways 49 and 98 in Hattiesburg in Lamar County.

Gage and history.--Crest-stage gage. Aug. 22, 1966, to Sept. 21, 1971, digital punch-tape recorders at same site and datum.

Basin parameters.--D.A. = 1.60 sq mi; L = 2.74 mi; H = 140 ft;  $\bar{S}$  = .007; M = 0.88; CN = 70.

Type of flow.--Type III below about 7 feet; Type I above.

Remarks.--All peaks above 75 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
4/12/55	a12.06	2,260	2				
9/ 6/66	4.52	164	1				
6/ 1/67	4.02	80	1				
7/20/67	4.10	92	2				
12/10/67	4.09	90	1				
6/11/68	4.61	180	1				
12/ 3/68	5.37	324	6				
12/21/68	4.19	106	1				
3/18/69	4.33	129	1				
3/23/69	4.13	97	6				
4/10/69	4.72	140	7				
8/15/69	4.82	218	1				
12/ 6/69	4.12	95	1				
3/ 3/70	4.08	89	1				
3/ 2/71	4.63	183	1				
4/20/71	5.70	398	1				
5/12/71	4.83	219	1				
7/30/71	4.35	133	1				
9/23/71	4.67	191	2				
12/ 6/71	5.82	427	2				
1/ 9/72	4.43	147	2				
12/ 5/72	4.77	209	2				
12/20/72	4.93	237	2				
3/24/73	5.60	300	2				

# PASCAGOULA RIVER BASIN

2-4791.38 Walls Creek Tributary near Brooklyn, Miss.

Location.--Lat  $31^{\circ}06'15''$ , long  $89^{\circ}13'05''$  in NW $\frac{1}{4}$ NE $\frac{1}{4}$ WE $\frac{1}{4}$  sec. 29, T.2 N., R.12 W., at an 8x5-foot box culvert on east lane of U.S. Highway 49, 3.4 miles northwest of Brooklyn in Forrest County.

Gage and history.--Digital punch-tape recorders. June 17, 1965, to Sept. 21, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 0.37 sq mi; L = 1.25 mi; H = 113 ft;  $\bar{S} = .011$ ; M = .93; CN = 70

Type of flow.--Type I.

Remarks.--All peaks above 50 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
2/11/66	3.44	56	1				
2/13/66	4.13	91	1				
4/30/66	5.32	167	1				
5/ 4/67	2.65	22	2				
12/ 9/67	4.32	102	1				
4/13/69	4.23	97	6				
8/27/70	3.86	77	1				
10/13/70	3.92	80	3				
12/15/70	3.55	62	6				
12/29/70	3.88	78	7				
3/ 2/71	3.37	52	3				
9/ 4/71	3.84	76	1				
12/15/71	4.14	91	1				
12/20/71	3.47	58	1				
1/20/72	3.42	55	1				
5/ 7/72	4.90	138	2				
12/20/72	4.22	96	2				
3/24/73	6.45	251	2				

# PASCAGOULA RIVER BASIN

2-4791.65 Mosquito Branch at Benndale, Miss.

Location.--Lat  $30^{\circ}51'40''$ , long  $88^{\circ}49'30''$  in SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 19, T.2 S., R.8 W., at a 6x5-foot box culvert on State Highway 26, 1.0 mile west of Benndale in George County.

Gage and history.--Crest-stage gage. Prior to May 19, 1965, crest stage gage. May 19, 1965 to Sept. 30, 1971, circular-chart recorder, all at same site and datum.

Basin parameters.--D.A. = 0.22 sq mi; L = 0.68 mi; H = 69 ft;  $\bar{S}$  = .023; M = 1.27; CN = 88.

Type of flow.--Type III below about 4 feet; Type I above.

Remarks.--Annual peaks only prior to May 1965; all peaks thereafter above 20 cfs.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
4/12/55	a9.25	314	2	8/24/71	3.12	31	1
7/10/56	4.27	82	2	5/ 7/72	3.70	54	2
9/18/57	4.99	116	2	7/16/72	3.77	57	2
9/22/58	3.91	66	2	7/29/72	3.52	47	2
8/ 2/59	3.59	50	2	3/24/73	5.24	130	2
5/ 7/60	3.81	61	2				
3/19/61	6.61	206	2				
11/14/61	5.20	127	2				
1963	3.62	53	2				
4/ 6/64	5.00	117	2				
8/ 8/65	2.80	21	1				
1/ 4/66	2.76	20	1				
2/15/66	2.90	24	1				
3/13/66	3.00	27	1				
1/ 1/67	2.96	26	1				
10/30/67	3.53	47	1				
12/10/67	3.55	48	1				
12/19/67	2.79	21	1				
5/25/68	3.10	30	1				
3/23/69	3.25	36	1				
7/12/69	3.03	28	3				
8/18/69	3.20	34	1				
6/ 2/70	3.70	54	1				
6/25/70	5.24	130	1				
10/19/70	3.55	48	2				
12/15/70	3.55	48	1				
3/29/71	3.1	30	1				
5/12/71	2.79	21	1				
6/26/71	2.84	22	1				
7/30/71	3.09	30	1				

# PASCAGOULA RIVER BASIN

2-4791.87 Red Creek Trib. near Wiggins, Miss.

Location.--Lat 30°50'55", long 89°13'40" in SW¼NE¼NE¼ sec. 30, T.2 S., R.12 W., at a 6x6-foot box culvert on State Highway 26, 5.3 miles west of Wiggins, in Stone County.

Gage and history.--Crest-stage gage. June 18, 1965, to Sept. 14, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 0.22 sq mi; L = 0.90 mi; H = 125 ft;  $\bar{S}$  = .020; M = .98; CN = 90.

Type of flow.--Type III below about 4 feet; Type II above.

Remarks.--All peaks above 40 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
8/ 8/65	3.73	46	1				
8/28/65	3.72	46	1				
1/ 4/66	3.90	55	1				
2/10/66	4.01	60	1				
2/15/66	4.20	68	1				
3/13/66	4.04	62	3				
7/13/67	3.52	38	1				
12/10/67	4.09	47	1				
12/19/67	4.34	55	1				
11/18/68	3.63	42	1				
1/18/69	4.44	62	5				
3/17/69	4.21	53	3				
4/13/69	7.36	232	3				
8/17/69	4.49	66	1				
8/22/69	4.32	60	3				
3/ 3/70	4.61	85	1				
6/ 1/70	5.07	106	6				
9/11/70	4.50	80	1				
12/15/70	4.04	49	1				
2/ 7/71	4.64	70	1				
5/12/71	5.54	129	6				
9/ 2/71	4.04	60	2				
1/ 4/72	4.94	56	2				
3/ 1/72	7.86	265	2				
3/ 2/72	6.11	158	2				
5/ 7/72	5.72	113	2				
2/13/73	7.57	245	2				
3/24/73	7.11	217	2				



# PASCAGOULA RIVER BASIN

2-4792.60 Bluff Creek Trib. near Whites Crossing, Miss.

Location.--Lat 30°51'10", long 88°57'30" in NE¼SW¼SE¼ sec. 23, T.2 S., T.10 W., at a double 9x5-foot box culvert on State Highway 26, 5.0 miles east of Whites Crossing in Stone County.

Gage and history.--Crest-stage gage. June 18, 1965 to Sept. 15, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 0.82 sq mi; L = 1.12 mi; H = 59 ft;  $\bar{S}$  = .007; M = 1.47; CN = 70.

Type of flow.--Type III below about 6 feet; Type II or V above.

Remarks.--All peaks above 100 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
4/12/55	a9.30	1,050	2				
9/11/65	4.42	109	1				
1/ 4/66	4.37	103	1				
2/16/66	5.06	212	1				
3/ 2/66	4.46	114	1				
3/13/66	4.93	186	1				
4/26/66	4.52	122	1				
2/ 6/67	4.28	107	1				
12/10/67	5.86	432	3				
12/19/67	5.68	374	3				
9/ 5/68	4.58	129	3				
2/ 2/69	4.49	100	2				
3/17/69	4.86	200	2				
3/23/69	4.56	151	3				
7/12/69	5.00	200	3				
8/18/69	5.72	386	3				
3/ 3/70	5.40	292	3				
10/19/70	6.17	490	2				
12/15/70	5.22	206	1				
5/12/71	4.66	140	3				
8/24/71	4.78	341	1				
9/ 2/71	5.28	429	2				
12/ 2/71	4.37	104	2				
1/ 4/72	4.66	249	2				
1/20/72	4.75	154	2				
12/ 5/72	5.11	222	2				
3/24/73	8.13	1,010	2				

# WOLF RIVER BASIN

2-4815.05 Mill Creek Trib. near Lizana, Miss.

Location.--Lat 30°35'50", long 89°19'10", in NW¼ sec. 20, T.5 S., R.13 W., at a double 16x6-foot box culvert on State Highway 53, 6.4 miles northwest of Lizana, and 15.4 miles northwest of Lyman in Harrison County.

Gage and history.--Crest-stage gage. Aug. 23, 1966, to Sept. 28, 1971, digital punch-tape recorders at same site and datum.

Basin parameters.--D.A. = 2.29 sq mi; L = 2.35 mi; H = 134 ft;  $\bar{S}$  = .008; M = 1.19; CN = 70.

Type of flow.--Type III below about 7 feet; Type II above.

Remarks.--All peaks above 100 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
1966	none	--	-				
1/ 1/67	4.21	148	1				
2/ 6/67	3.94	104	1				
8/ 7/67	4.01	114	1				
9/12/67	4.82	302	2				
10/30/67	4.42	127	1				
12/10/67	5.72	470	2				
8/18/68	4.06	152	1				
12/30/68	4.80	a240	1				
3/17/69	4.59	a177	5				
8/18/69	5.59	270	3				
3/ 4/70	4.86	258	3				
3/19/70	4.36	129	3				
3/21/70	4.43	150	3				
3/30/70	4.24	93	3				
6/ 1/70	4.49	147	1				
8/ 7/70	5.20	370	7				
12/15/70	5.49	472	1				
2/20/71	4.95	285	3				
5/12/71	4.40	120	2				
7/20/71	4.35	231	1				
7/23/71	4.07	147	1				
7/29/71	4.23	195	1				
7/30/71	4.27	207	1				
8/24/71	4.23	132	5				
9/16/71	5.09	332	1				
12/ 2/71	4.47	141	2				
1/20/72	6.38	783	2				
5/ 7/72	5.77	440	2				
12/20/72	6.09	682	2				
3/24/73	7.68	1,250	2				

# PEARL RIVER BASIN

2-4819 Coonshuck Creek Tributary near House, Miss.

Location.--Lat  $32^{\circ}39'$ , long  $89^{\circ}01'$  in NW $\frac{1}{4}$  sec.12, T.9 N., R.12E., at a double 5x4-foot box culvert on State Highway 19, 2.3 miles northwest of House and 9.3 miles southeast of Philadelphia, in Neshoba County.

Gage and history.--Crest-stage gage. July 6, 1964 to Sept. 30, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 0.20 sq mi; L = 0.62 mi; H = 113 ft;  $\bar{S}$  = .014; M = 1.32; CN = 72.

Type of flow.--Type I.

Remarks.--All peaks above 40 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
2/12/65	4.32	111	2				
7/ 7/65	3.73	73	1				
4/21/66	3.24	45	2				
5/13/66	3.20	43	1				
8/22/67	2.48	12	1				
4/28/68	3.09	38	1				
3/23/69	3.17	42	1				
4/13/69	4.54	108	1				
4/17/69	4.20	103	5				
5/ 2/70	4.14	80	5				
10/19/70	3.48	58	1				
3/ 2/71	3.23	44	3				
4/30/71	3.34	50	1				
12/ 6/71	4.67	137	2				
1/ 9/72	4.21	104	2				
2/ 6/72	3.44	55	2				
3/30/73	4.55	128	2				

# PEARL RIVER BASIN

2-4821 Indian Branch Near Edinburg, Miss.

Location.--Lat 32°46'50", long 89°25'30" in NW¼NE¼NE¼, sec. 25, T. 11 N., R. 8 E., at a triple 10x5-foot box culvert on State Highway 16, 5.4 miles west of Edinburg, in Leake County.

Gage and history.--Crest-stage gage. June 30, 1965, to Sept. 30, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 1.92 sq mi; L = 2.68 mi; H = 150 ft;  $\bar{S}$  = .007; M = .98; CN = 68.

Type of flow.--Type III below about 4 feet; Type I above.

Remarks.--All peaks above 150 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
9/11/65	4.38	499	3				
4/26/66	3.07	190	1				
5/22/67	2.65	105	1				
12/17/67	2.84	179	3				
4/17/69	2.67	110	1				
3/ 3/70	4.02	409	2				
4/ 1/70	3.52	289	2				
5/12/71	3.83	363	2				
12/ 6/71	3.06	189	2				
2/ 6/72	4.01	406	2				
3/27/72	4.03	411	2				
5/ 2/72	4.21	455	2				
12/14/72	3.00	175	2				
12/30/72	2.77	168	2				

# PEARL RIVER BASIN

2-4823.10 Lobutch Creek Trib. at Wamba, Miss.

Location.--Lat 33°02', long 89°27' in NW¼ sec. 35, T.14 N., R.8 E., at a 10x10-foot box culvert on State Highway 19, 0.3 mile west of Wamba in Attala County.

Gage and history.--Crest-stage gage. July 8, 1964, to Sept. 24, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 0.94 sq mi; L = 1.21 mi; H = 106 ft;  $\bar{S}$  = .006; M = 1.46; CN = 70.

Type of flow.--Type III.

Remarks.--All peaks above 90 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
8/16/64	8.00	516	2				
2/12/65	6.15	190	2				
7/16/65	5.40	97	1				
2/12/66	5.81	156	3				
4/12/66	7.04	362	2				
5/ 1/67	5.67	134	3				
7/ 1/67	5.83	159	3				
7/ 6/67	6.59	290	3				
12/ 2/67	8.97	677	1				
12/ 9/67	7.74	474	3				
1/10/68	5.58	121	3				
5/13/68	6.03	131	3				
12/21/68	6.46	200	2				
3/23/69	5.78	130	3				
4/ 9/69	5.69	117	3				
4/13/69	7.14	378	3				
12/29/69	5.91	250	2				
4/26/70	5.88	168	4				
2/21/71	5.39	96	4				
2/26/71	5.45	104	4				
4/29/71	6.99	410	3				
5/12/71	6.58	345	3				
7/12/71	5.39	96	3				
7/16/71	7.23	393	4				
12/ 6/71	7.18	385	2				
2/ 6/72	5.88	110	2				
12/14/72	6.96	500	2				
3/10/73	5.44	197	2				
3/16/73	7.78	585	2				
3/24/73	6.18	320	2				

# PEARL RIVER BASIN

2-4829 Tallabogue Creek Trib. near Harpersville, Miss.

Location.--Lat  $32^{\circ}32'00''$ , long  $89^{\circ}28'40''$  in SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 16, T.8 N., R.8 E., at a 5x4-foot box culvert on State Highway 35, 2.8 miles north of Harpersville in Scott County.

Gage and history.--Crest-stage gage. June 11, 1965 to Sept. 30, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 0.12 sq mi; L = 0.44 mi; H = 68 ft;  $\bar{S}$  = .013; M = 1.44; CN = 70.

Type of flow.--Type I.

Remarks.--All peaks above 20 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
8/ 8/65	3.88	38	1				
10/ 4/65	3.30	21	1				
4/27/66	3.56	29	1				
7/16/66	3.28	20	1				
5/21/67	3.03	14	1				
12/14/67	3.30	21	2				
4/28/68	3.49	27	3				
8/16/68	4.18	47	3				
4/17/69	5.54	100	3				
5/ 2/70	2.90	10	1				
1/23/71	3.77	35	3				
2/26/71	3.88	38	1				
4/29/71	3.38	23	2				
5/12/71	3.57	29	3				
6/28/71	3.52	28	2				
9/16/71	3.38	23	7				
12/ 6/71	3.91	39	2				
1/ 9/72	3.42	25	2				
5/ 2/72	3.44	25	2				
10/22/72	3.81	36	2				
3/24/73	3.93	40	2				
3/31/73	4.34	52	2				

# PEARL RIVER BASIN

2-4838.90 Yockanookany River Tributary near McCool, Miss.

Location.--Lat  $33^{\circ}10'$ , long  $89^{\circ}25'$  in SW $\frac{1}{4}$  sec.7, T.15 N., R.9 E., at a double 6x4-foot box culvert on State Highway 12, 4 miles southwest of McCool in Attala County.

Gage and history.--Crest-stage gage. July 27, 1964, to Oct. 20, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 0.34 sq mi; L = 0.96 mi; H = 75 ft;  $\bar{S}$  = .014; M = 1.13; CN = 68.

Type of flow.--Type I.

Remarks.--All peaks above 60 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
8/16/64	4.37	167	1				
2/ 9/65	3.35	82	3				
4/ 8/65	3.37	83	1				
2/10/66	3.33	80	1				
5/21/67	3.07	62	2				
7/ 9/67	3.39	84	2				
12/17/67	5.77	306	3				
1/ 9/68	4.10	143	2				
5/25/68	3.76	114	1				
12/21/68	3.14	67	3				
3/23/69	3.26	75	3				
4/ 4/69	4.27	158	1				
4/ 9/69	6.36	371	5				
4/13/69	3.89	124	3				
4/17/69	3.63	103	3				
12/29/69	3.81	118	3				
3/19/70	3.16	68	3				
4/16/70	5.66	294	3				
4/26/70	3.24	74	3				
8/11/70	3.81	118	2				
2/21/71	3.23	73	3				
2/26/71	3.68	107	3				
4/21/71	3.17	69	1				
5/12/71	3.26	75	3				
12/ 6/71	6.18	351	2				
2/ 6/72	4.06	139	2				
1/ 7/73	3.68	107	2				
2/13/73	3.08	63	2				
3/10/73	3.44	88	2				
3/16/73	4.94	221	2				
3/24/73	3.63	103	2				



# PEARL RIVER BASIN

2-4847.50 Red Cane Creek Tributary near Pisgah, Miss.

Location.--Lat  $32^{\circ}28'05''$ , long  $89^{\circ}47'55''$  on line between NE $\frac{1}{4}$  sec. 8 and NW $\frac{1}{4}$  sec. 9, T.7 N., R.5 E., at a 54-inch circular pipe on State Highway 43, 4.1 miles east of Pisgah, in Rankin County.

Gage and history.--Crest-stage gage. June 16, 1964, to Sept. 29, 1971, circular chart recorder at same site and datum.

Basin parameters.--D.A. = 0.10 sq mi; L = 0.53 mi; H = 30 ft;  $\bar{S}$  = 0.011; M = 1.17; CN = 80.

Type of flow.--Type I.

Remarks.--All peaks above 50 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
10/ 4/64	4.63	52	1				
11/28/64	4.79	57	2				
2/12/65	5.06	67	3				
2/10/66	4.66	53	2				
3/ 3/66	4.61	52	1				
5/21/67	3.64	25	2				
4/28/68	4.44	47	2				
4/17/69	5.04	66	2				
8/ 4/70	4.50	48	2				
2/21/71	4.75	56	2				
2/26/71	4.66	53	3				
4/21/71	4.66	53	2				
5/12/71	5.14	69	2				
1/ 9/72	5.02	65	2				
3/ 2/72	5.03	66	2				
5/ 2/72	4.63	52	2				
2/ 1/73	4.76	56	2				
3/24/73	5.21	72	2				

# PEARL RIVER BASIN

2-4853.80 Hollybush Creek Tributary No. 1 near Pisgah, Miss.

Location.--Lat 32°26'00", long 89°48'50" in NW¼ sec. 20, T.7 N., R.5 E., at an 8x6-foot box culvert on State Highway 43, 7.2 miles southeast of Pisgah in Rankin County.

Gage and history.--Crest-stage gage. June 18, 1964, to Sept. 29, 1971, circular chart recorder at same site and datum.

Basin parameters.--D.A. = 0.59 sq mi; L = 1.20 mi; H = 40 ft;  $\bar{S}$  = .005; M = 1.18; CN = 77.

Type of flow.--Type III below about 6 feet, Type I above.

Remarks.--All peaks above 100 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
10/ 4/64	5.19	170	1	12/15/72	4.85	127	2
11/28/64	5.38	194	6	2/ 1/73	5.36	192	2
12/11/64	4.77	117	1	3/10/73	4.77	164	2
2/11/65	5.16	166	4	3/24/73	5.14	213	2
2/10/66	4.95	139	2				
3/ 3/66	5.00	145	1				
4/26/66	4.73	113	1				
5/21/66	4.93	137	1				
5/21/67	4.62	99	3				
1/23/68	4.91	107	2				
4/ 4/68	4.75	115	3				
4/28/68	5.28	181	3				
3/23/69	4.99	144	1				
4/13/69	4.84	126	3				
4/17/69	6.11	289	3				
12/18/69	4.40	120	2				
7/11/70	5.53	188	3				
2/12/71	4.79	120	3				
2/21/71	4.96	140	3				
3/ 2/71	5.32	187	3				
3/13/71	4.85	127	3				
3/25/71	4.58	137	3				
4/21/71	5.29	183	3				
4/22/71	5.02	170	3				
4/24/71	4.52	131	3				
5/ 7/71	5.04	150	3				
5/12/71	5.92	265	1				
6/ 7/71	4.88	172	5				
12/ 6/71	5.40	168	2				
1/ 9/72	5.02	148	2				
3/ 2/72	5.44	202	2				

# PEARL RIVER BASIN

2-4853.85 Hollybush Creek Tributary No. 2 near Pisgah, Miss.

Location.--Lat 32°25'40", long 89°48'55" in SW¼ sec. 20, T.7 N., R.5 E., at an 8x4-foot box culvert on State Highway 43, 7.6 miles southeast of Pisgah, in Rankin County.

Gage and history.--Crest-stage gage. June 18, 1964, to Sept. 29, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 0.25 sq mi; L = 0.58 mi; H = 45 ft;  $\bar{S}$  = .007; M = 1.56; CN = 76.

Type of flow.--Type III flow below about 3 feet, Type I above.

Remarks.--All peaks above 70 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
10/ 4/64	3.90	83	2				
11/28/64	4.58	123	2				
12/11/64	3.72	74	2				
2/11/65	4.18	99	1				
2/10/66	3.94	85	3				
3/ 3/66	3.76	76	1				
4/26/66	3.75	76	1				
5/21/66	4.00	88	1				
5/21/67	3.27	52	3				
4/28/68	6.13	230	1				
3/23/69	3.70	73	3				
4/17/69	5.72	200	3				
7/11/70	4.69	135	4				
8/20/70	4.42	113	2				
9/26/70	5.47	183	3				
10/12/70	4.54	120	3				
10/13/70	4.44	114	3				
10/19/70	4.74	132	3				
3/13/71	4.18	99	3				
4/21/71	4.26	104	7				
5/11/71	4.20	100	1				
5/12/71	5.29	170	1				
5/20/71	3.72	74	1				
12/ 6/71	3.95	86	2				
3/ 2/72	4.31	107	2				
12/15/72	3.76	76	2				
2/ 1/73	4.19	99	2				
3/24/73	3.82	79	2				

# PEARL RIVER BASIN

2-4853.92 Clear Creek Tributary near Pelahatchie, Miss.

Location.--Lat 32°21'35", long 89°47'55", on line between SW¼ sec. 16 and SE¼ sec. 17, T.6 N., R.5 E., at a 60-inch circular culvert on State Highway 43, 3.3 miles north of intersection of U.S. Highway 80 and State Highway 43 in Pelahatchie, in Rankin County.

Gage and history.--Crest-stage gage. June 18, 1964, to Sept. 29, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 0.12 sq mi; L = 0.56 mi; H = 95 ft;  $\bar{S}$  = .028; M = 1.15; CN = 78.

Type of flow.--Type III below about 3.5 feet; Type I above.

Remarks.--All peaks above 50 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
10/ 4/64	4.79	65	2				
11/28/64	5.06	75	2				
12/ 3/64	5.89	109	1				
12/11/64	4.77	64	1				
2/11/65	5.24	83	1				
2/10/66	4.39	49	2				
4/26/66	4.67	60	2				
5/21/67	4.08	36	3				
7/ 4/68	5.50	93	2				
4/17/69	4.96	71	2				
3/ 3/70	4.44	51	3				
4/11/70	4.87	68	1				
5/30/70	4.53	54	2				
10/19/70	4.92	70	1				
3/13/71	4.76	63	2				
4/21/71	4.83	66	7				
4/30/71	4.68	60	7				
5/10/71	5.16	79	2				
5/12/71	4.85	67	2				
7/25/71	4.89	69	2				
12/ 6/71	5.01	73	2				
12/15/72	4.77	64	2				
3/10/73	4.68	60	2				
3/24/73	5.36	87	2				

# PEARL RIVER BASIN

2-4857.8 Crane Creek at Jackson, Miss.

Location.--Lat 32°21'00", long 90°09'50", in NE¼ sec.23, T.6 N., R.1 E., at an 8x8-foot box culvert on Meadowbrook Drive at Crane Boulevard in Jackson, in Hinds County.

Gage and history.--Digital punch tape recorders May 3, 1965, to May 25, 1966.

Basin parameters.--D.A. =0.45 sq mi; L =1.0 mi; H = 80 ft;  $\bar{S}$  =.008; M = 1.23; CN = 90.

Type of flow.--Type II.

Remarks.--All peaks above 20 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
4/ 3/57	11.09	679	2				
6/17/58	7.50	329	2				
7/ 2/59	10.21	587	2				
5/15/65	3.06	39	1				
6/24/65	4.32	106	1				
6/25/65	3.58	65	1				
7/24/65	5.19	161	1				
8/12/65	4.88	140	1				
8/22/65	2.82	28	3				
8/23/65	3.01	36	3				
9/10/65	3.84	78	1				
9/11/65	6.44	253	1				
9/22/65	2.63	20	1				
10/ 6/65	3.67	70	1				
1/ 4/66	3.47	60	1				
1/28/66	3.16	44	1				
2/ 1/66	2.71	23	1				
2/10/66	6.35	246	7				
2/26/66	2.67	22	1				
3/ 3/66	4.84	137	1				
4/20/66	5.09	154	1				
4/26/66	4.48	116	1				
5/19/66	10.15	584	2				
5/21/66	6.69	273	1				
5/24/66	6.38	248	1				
Discontinued		5/25/66					

# PEARL RIVER BASIN

2-4859 Neely Creek near Brandon, Miss.

Location.--Lat  $32^{\circ}17'58''$ , long  $90^{\circ}03'44''$  in SW $\frac{1}{4}$  sec. 2, T.5 N., R.2 E., at a double 8x6-foot box culvert on New Airport Road, 5.4 miles west of Brandon in Rankin County.

Gage and history.--Digital punch-tape recorders. Feb. 4, 1964, to Sept. 27, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 1.09 sq mi; L = 1.45 mi; H = 95 ft;  $\bar{S}$  = .008; M = 1.32; CN = 71.

Type of flow.--Type I.

Remarks.--All peaks above 150 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
3/ 2/64	3.52	186	3				
3/ 4/64	3.18	150	1				
3/14/64	4.12	258	1				
4/ 5/64	3.50	184	1				
10/ 4/64	3.82	221	3				
2/11/65	3.53	187	1				
5/19/66	5.19	402✓	1				
5/ 4/67	3.31	163	2				
5/26/68	2.81	113	3				
4/17/69	6.08	540	2				
3/19/70	3.26	158	2				
3/13/71	3.79	218	2				
5/10/71	3.35	168	2				
12/ 6/71	3.60	195	1				
2/ 1/73	3.40	173	5				
3/24/73	3.41	174	3				

## PEARL RIVER BASIN

2-4862.4 Richland Creek Tributary near Brandon, Miss.

Location.--Lat 32°13'30", long 90°01'10" on line between SW¼ sec. 32 and NE¼ sec. 6, T. 7 N., R.5 E., at a 60-inch concrete pipe culvert on State Highway 469, 4.6 miles southwest of Brandon, in Rankin County.

Gage and history.--Crest-stage gage. June 22, 1965, to Sept. 29, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 0.12 sq mi; L = 0.58 mi; H = 56 ft;  $\bar{S} = .013$ ; M = 1.11;  
CN = 77.

Type of flow.--Type III below about 4.5 feet; Type I above.

Remarks.--All peaks above 20 cfs listed.

### Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
8/ 8/65	3.96	23	1				
2/10/66	3.99	24	3				
4/21/66	4.70	48	2				
5/19/66	4.71	48	1				
5/21/66	4.03	25	3				
7/ 2/66	4.03	25	1				
5/21/67	5.15	64	1				
12/21/67	3.78	17	3				
4/17/69	4.72	49	2				
3/ 3/70	3.77	17	3				
10/19/70	3.98	23	1				
2/21/71	3.99	24	3				
3/13/71	4.15	28	3				
9/16/71	4.20	30	5				
12/ 6/71	5.30	69	2				
2/ 6/72	3.95	22	2				
3/ 2/72	4.53	42	2				
12/15/72	4.25	32	2				
12/30/72	3.99	24	2				
2/ 1/73	3.86	20	2				
3/24/73	4.74	49	2				



## PEARL RIVER BASIN

2-4876.70 Boggans Ditch near Mendenhall, Miss.

Location.--Lat 31°53'10", long 89°53'20", in NE¼NE¼NE¼ sec.33, T.1 N., R.4 E., at a 16x6-foot box culvert on State Highway 13, 5½ miles south of Mendenhall, in Simpson County.

Gage and history.--Crest-stage gage. Prior to April 23, 1965, crest-stage gage. April 23, 1965, to Sept. 15, 1971, digital punch tape recorders, all at same site and datum.

Basin parameters.--D.A. = 0.91 sq mi; L = 1.18 mi; H = 138 ft;  $\bar{S}$  = .013; M = 1.47; CN = 70.

Type of flow.--Type I.

Remarks.--Annual peaks only prior to April 1965; all peaks above 70 cfs thereafter.

Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
4/12/55	a8.16	764	2				
6/14/56	3.52	100	2				
4/ 3/57	7.32	617	2				
8/17/58	4.16	165	2				
5/23/59	3.81	127	2				
3/15/60	4.45	198	2				
3/28/61	6.78	525	2				
4/28/62	6.17	431	2				
1/20/63	3.71	116	2				
4/26/64	5.89	390	2				
2/12/65	7.13	585	2				
2/12/66	3.35	82	1				
2/15/66	3.62	107	1				
3/ 3/66	3.26	74	1				
4/26/66	3.33	81	1				
5/19/66	4.62	214	1				
5/ 4/67	2.51	21	1				
12/14/67	2.85	42	1				
4/13/69	3.16	66	2				
5/ 2/70	3.41	88	1				
2/21/71	4.30	178	7				
4/22/71	3.97	142	1				
5/12/71	3.35	82	1				
12/ 6/71	5.86	377	2				
1/ 9/72	3.32	80	2				
2/ 6/72	3.24	73	2				
3/27/72	3.22	71	2				
2/13/73	3.64	109	2				
3/24/73	6.13	418	2				

a Floodmark

# PEARL RIVER BASIN

2-4876.90 Baking Powder Draw near Prentiss, Miss.

Location.--Lat 31°50'20", long 89°53'00" in SE¼NE¼NW¼ sec. 14, T.10 N., R.19 W., at a 16x6-foot box culvert on State Highway 13, 16.0 miles north of intersection of U.S. Highway 84 and State Highway 13 east of Prentiss, and 4.9 miles north of Jefferson Davis on Simpson County line.

Gage and history.--Crest-stage gage. Prior to May 18, 1965, crest-stage gage. May 18, 1965 to Sept. 20, 1971, circular chart recorder, all at same site and datum.

Basin parameters.--D.A. = 0.82 sq mi; L = 1.28 mi; H = 128 ft;  $\bar{S}$  = .015; M = 1.30; CN = 69.

Type of flow.--Type III below about 4 feet; Type I above.

Remarks.--Annual peaks only prior to May 1965; all peaks thereafter above 20 cfs.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
4/12/55	a 5.55	323	2				
6/14/56	4.07	142	2				
4/ 4/57	5.53	318	2				
3/23/58	5.02	252	2				
5/23/59	4.65	205	2				
1/30/60	3.71	108	2				
2/20/61	5.50	315	2				
3/31/62	3.82	118	2				
1963	none	--	--				
4/26/64	3.93	125	2				
10/ 4/64	3.91	101	2				
2/10/66	3.46	43	2				
5/19/66	3.35	28	1				
5/24/66	3.34	27	1				
6/10/67	3.18	9	1				
12/14/67	3.01	3	1				
11/30/68	3.94	105	2				
4/17/69	3.46	75	2				
5/ 2/70	4.03	117	3				
6/ 1/70	4.05	120	3				
7/11/70	3.52	51	1				
7/17/70	3.56	56	1				
3/18/71	3.72	77	2				
5/12/71	3.60	61	3				
9/16/71	3.50	48	3				
12/ 6/71	3.77	83	2				
3/24/73	6.97	532	2				

a Floodmark

# PEARL RIVER BASIN

2-4877.10 Barret's Branch near Pinola, Miss.

Location.--Lat  $31^{\circ}52'50''$ , long  $90^{\circ}02'40''$ , in NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 36, T.1 N., R. 2 E., at a 10x10-foot box culvert on State Highway 28, 5 miles west of Pinola, in Simpson County.

Gage and history.--Digital punch-tape recorders. Prior to May 18, 1965, crest-stage gage. May 18, 1965, to Sept. 14, 1971, circular-chart recorder, all at same site and datum.

Basin parameters.--D.A. = 0.88 sq mi; L = 2.04 mi; H = 118 ft;  $\bar{S}$  = .008; M = .88; CN = 74.

Type of flow.--Type I.

Remarks.--Annual peaks only prior to May 1965; all peaks above 70 cfs thereafter.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
4/12/55	a12.85	1,200	2	12/ 6/71	4.65	174	2
1956	none	--	-	1/ 9/72	4.07	126	2
6/27/57	7.18	422	2	4/ 4/72	3.40	76	1
6/16/58	6.92	393	2	6/29/72	3.46	80	1
10/ 1/58	5.34	236	2	8/22/72	3.35	72	1
2/ 4/60	--	b100	2	12/15/72	3.75	100	1
3/28/61	8.27	548	2	12/20/72	5.57	262	1
4/ 1/62	8.19	540	2	2/ 1/73	4.00	120	1
1/20/63	5.28	228	2	2/14/73	4.79	186	1
4/ 6/64	--	b90	2	3/ 6/73	3.42	77	1
11/26/64	6.92	397	2	3/11/73	5.00	205	1
2/10/66	3.79	103	7	3/16/73	4.89	195	5
4/20/66	3.57	88	2	3/24/73	6.03	308	3
7/ 2/66	3.90	112	1	3/30/73	3.35	72	3
12/ 9/66	3.52	84	1				
2/ 6/67	3.41	77	7				
5/ 4/67	3.50	83	1				
12/14/67	3.41	77	3				
3/23/69	4.08	126	1				
4/10/69	3.77	102	1				
4/13/69	3.42	77	1				
5/ 8/69	3.48	82	1				
3/ 3/70	3.54	86	1				
2/21/71	4.25	140	1				
4/ 2/71	3.68	96	1				
5/12/71	4.20	136	1				
6/ 6/71	6.37	342	1				
9/ 2/71	6.27	332	1				
9/16/71	7.93	507	2				
12/ 6/71	5.75	280	2				

a Floodmark

b Estimated

# PEARL RIVER BASIN

2-4877.70 Bradley's Ditch near Pinola, Miss.

Location.--Lat 31°52'50", long 90°05'30" in NW¼NW¼SW¼ sec. 34, T 1 N., R.2 E., at a 10x6-foot box culvert on State Highway 28, 8½ miles west of Pinola, in Simpson County.

Gage and history.--Crest-stage gage. Prior to May 18, 1965, crest-stage gage. May 18, 1965, to Sept. 20, 1971, circular-chart recorder, all at same site and datum.

Basin parameters.--D.A. = 0.54 sq mi; L = 1.52 mi; H = 129 ft;  $\bar{S}$  = .011; M = 0.92; CN = 75.

Type of flow.--Type III below about 6½ feet; Type I above.

Remarks.--Annual peaks only prior to May 1965; all peaks above 60 cfs thereafter.

## Peak stages and discharge

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
4/12/55	a8.15	516	2	1/ 9/72	4.84	133	2
1956	4.51	120	2	12/20/72	4.91	139	2
4/ 3/57	5.53	237	2	2/13/73	5.01	148	2
6/15/58	5.43	203	2	3/24/73	6.35	306	2
10/ 1/58	--	b90	2				
2/ 4/60	--	b110	2				
3/28/61	5.94	262	2				
3/31/62	7.63	459	2				
1/20/63	5.49	215	2				
3/15/64	5.00	170	2				
11/26/64	7.29	419	2				
9/11/65	4.10	86	3				
2/10/66	4.46	108	3				
2/12/66	4.19	91	3				
2/16/66	4.62	117	3				
4/26/66	6.01	265	1				
5/24/66	3.64	62	1				
11/11/66	3.70	65	1				
5/ 4/67	4.46	108	1				
1/ 9/68	3.09	46	1				
3/23/69	4.63	118	7				
4/13/69	5.90	252	7				
3/ 3/70	4.25	137	1				
5/ 2/70	4.38	103	1				
2/21/71	3.59	60	3				
5/12/71	5.33	184	1				
6/ 6/71	4.20	92	1				
9/16/71	5.91	253	2				
12/ 6/71	5.84	245	2				

a Floodmark

b Estimated

# PEARL RIVER BASIN

2-4883.40 Small Pine Ditch near Monticello

Location.--Lat 31°32'50", long 90°15'40" in SW¼SW¼NW¼ sec. 25, T. 7 N., R. 9 E., at a 6x6-foot box culvert on U.S. Highway 84, 9 miles west of Monticello, in Lawrence County.

Gage and history.Digital punch-tape recorder. Prior to April 27, 1965, crest-stage gage at same site and datum.

Basin parameters.--D.A. = 0.16 sq mi; L = 0.54 mi; H = 119 ft;  $\bar{S}$  = .028; M = 1.35; CN = 73.

Type of flow.--Type I.

Remarks.--Annual peaks only prior to April 1965; all peaks above 30 cfs thereafter.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
4/12/55	7.23	213	2	3/18/71	4.66	.76	1
1956	none	--	-	9/16/71	5.28	107	5
4/ 3/57	7.15	209	2	12/ 6/71	5.67	126	2
11/13/57	6.00	143	2	1/ 9/72	6.19	152	1
10/31/58	4.59	74	2	4/21/72	6.00	143	1
8/12/60	5.52	118	2	5/12/72	3.54	33	1
3/28/61	7.73	245	2	12/20/72	4.53	71	1
12/18/61	5.59	121	2	12/20/72	4.90	88	1
1/20/63	4.23	58	2	12/21/72	3.89	46	1
4/26/64	5.74	129	2	2/13/73	4.84	85	1
12/11/64	4.32	63	2	3/ 6/73	7.38	224	1
8/18/65	3.43	30	1	3/11/73	3.95	48	1
1/ 4/66	3.43	30	1	3/16/73	4.14	56	1
2/10/66	4.59	74	1	3/24/73	8.24	281	1
2/12/66	3.80	42	1	3/30/73	3.73	39	
2/15/66	3.68	37	1				
4/26/66	5.69	128	1				
11/11/66	3.82	43	1				
5/ 1/67	3.57	34	1				
5/ 4/67	4.36	64	1				
12/14/67	4.47	69	1				
1/ 9/68	3.49	32	1				
5/10/68	3.64	36	1				
12/21/68	3.49	32	2				
3/17/69	3.87	45	1				
3/23/69	4.65	76	1				
4/13/69	5.79	132	7				
3/19/70	4.40	66	1				
2/20/71	3.43	30	1				
2/26/71	4.79	82	1				
3/ 1/71	3.72	39	1				

# PEARL RIVER BASIN

2-4885.10 Roadside Park Ditch near Monticello, Miss.

Location.--Lat 31°34'30", long 90°03'20", in SW¼SE¼NW¼ sec.18, T.7 N., R.12 E., at an 8x4-foot box culvert on U.S. Highway 84, 3.0 miles east of Monticello, in Lawrence County.

Gage and history.--Digital punch-tape recorder. Prior to May 18, 1965, crest-stage gage. May 18, 1965 to Sept. 28, 1971, circular-chart recorder, all at same site and datum.

Basin parameters.--D.A.=0.25 sq mi; L =0.77 mi; H = 177 ft;  $\bar{S}$  =.028; M = 1.20; CN = 74.

Type of flow.--Type III below about 3 feet; Type II above.

Remarks.--Annual peaks only prior to May 1965; all peaks above 50 cfs thereafter.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
4/12/55	a5.03	138	2	12/20/72	3.72	63	1
6/14/56	4.07	81	2	12/21/72	3.45	50	1
4/ 3/57	4.19	87	2	1/22/73	3.53	54	3
11/13/57	3.96	74	2	2/13/73	3.81	68	1
8/26/59	4.83	125	2	3/ 6/73	6.75	264	1
2/ 4/60	4.29	93	2	3/24/73	6.53	246	1
3/30/61	6.17	217	2	3/31/73	5.35	158	1
11/14/61	4.52	107	2				
1/20/63	5.66	60	2				
4/26/64	5.52	170	2				
12/11/64	4.69	116	2				
2/10/66	3.54	59	1				
2/12/66	3.64	59	1				
2/16/66	3.57	54	1				
4/21/66	4.32	94	3				
5/19/66	5.36	159	1				
11/11/66	5.35	158	1				
4/15/67	4.00	77	1				
5/ 4/67	3.55	54	1				
6/ 1/67	4.07	80	1				
12/14/67	4.09	82	1				
3/17/69	3.61	58	1				
4/13/69	3.97	76	1				
5/ 8/69	4.17	86	1				
3/19/70	3.46	50	3				
3/18/71	4.30	93	1				
6/ 9/71	4.20	87	1				
12/ 6/71	3.89	72	2				
1/ 9/72	4.30	93	2				

a Floodmark



# PEARL RIVER BASIN

2-4885.40 New Hebron Gulley at New Hebron, Miss.

Location.--Lat  $31^{\circ}44'$ , long  $90^{\circ}00'$  in NW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 22, T.9 N., R.20 W., at a 16x10-foot box culvert on paved county highway, 0.9 mile west of New Hebron, in Lawrence County.

Gage and history.--Crest-stage gage. July 24, 1964, to Sept. 21, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 2.50 sq mi; L = 2.20 mi; H = 205 ft;  $\bar{S}$  = .011; M = 1.32; CN = 78.

Type of flow.--Type IV above about 16 feet; Type I below.

Remarks.--All peaks above 150 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
4/ 4/57	a16.80	2,270	2				
11/26/64	3.12	155	2				
2/10/66	4.45	330	3				
2/16/66	4.66	361	3				
4/26/66	4.05	274	1				
7/ 3/66	7.57	864	1				
5/ 4/67	3.22	167	2				
8/ 6/68	3.15	159	3				
3/17/69	5.97	565	2				
4/13/69	4.64	358	1				
12/ 9/69	3.45	196	1				
2/ 1/70	3.32	179	5				
3/19/70	3.96	262	7				
6/ 1/70	3.25	171	1				
9/23/70	3.26	172	1				
10/11/70	3.23	169	3				
12/30/70	3.20	165	2				
2/21/71	6.73	701	1				
3/ 2/71	3.90	254	3				
4/ 1/71	3.14	158	1				
5/12/71	3.17	161	1				
6/29/71	3.34	182	1				
9/ 1/71	3.75	234	1				
9/16/71	5.14	433	1				
12/ 6/71	4.96	406	2				
1/ 9/72	3.61	216	2				
2/ 6/72	3.88	251	2				
9/27/72	3.75	234	2				
10/22/72	3.08	151	2				
2/13/73	4.09	280	2				
3/24/73	11.17	1,620	2				



# PEARL RIVER BASIN

2-4885.50 Goines Draw near Prentiss, Miss.

**Location.**--Lat  $31^{\circ}47'00''$ , long  $89^{\circ}52'40''$  in NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 2, T. 9 N., R. 19 W., at an 8x6-foot box culvert on State Highway 13, 0.8 mile south of Boggan and 12.2 miles north of Prentiss, in Simpson County.

**Gage and history.**--Stevens strip chart recorder with tipping bucket rain gage attachment. Crest-stage gage, prior to December 12, 1955 at same site and datum.

**Basin parameters.**--D.A. = 0.34 sq mi; L = 0.74 mi; H = 76 ft;  $\bar{S}$  = .018; M = 1.44; CN = 74.

**Type of flow.**--Type II.

**Remarks.**--Annual peaks only are listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
4/12/55	a6.82	402	2				
1956	none	--	-				
4/ 3/57	5.25	265	2				
7/14/58	2.39	74	1				
2/10/59	.98	4	1				
2/ 3/60	2.65	87	1				
2/20/61	6.14	b405	1				
12/29/61	2.97	104	2				
1/19/63	1.22	11	1				
4/ 7/64	1.58	30	1				
2/11/65	1.46	30	1				
2/15/66	1.86	46	1				
11/11/66	.66	5.6	1				
3/22/68	.78	9.1	1				
3/23/69	1.74	40	1				
4/17/69	2.08	57	1				
5/ 2/70	1.29	20	1				
2/20/71	2.02	54	1				
12/ 6/71	2.20	63	1				
3/30/73	7.35	b524	1				

a Floodmark

b Adjusted for embankment storage 60

# PEARL RIVER BASIN

2-4886.80 Plum Ditch near Prentiss, Miss.

Location.--Lat 31°35'20", long 89°56'40" at center of line between NE¼ and SE¼ sec.7, T.7 N., R.19 W., at a 6x6-foot box culvert on U.S. Highway 84, 4.2 miles west of Prentiss in Jefferson Davis County.

Gage and history.--Crest-stage gage. Prior to May 18, 1965, crest-stage gage. May 18, 1965 to Sept. 21, 1971, circular-chart recorder, all at same site and datum.

Basin parameters.--D.A. = 0.23 sq mi; L = 0.92 mi; H = 107 ft;  $\bar{S}$  = .012; M = .98; CN = 74.

Type of flow.--Type I.

Remarks.--Annual peaks only prior to May 1965, all peaks above 20 cfs thereafter.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
4/12/55	a7.18	211	2	2/ 1/70	3.13	21	2
2/ 4/56	5.07	97	2	8/15/70	3.11	20	1
6/27/57	5.79	132	2	9/ 7/70	3.74	40	2
11/13/57	4.65	78	2	10/13/70	3.33	27	1
5/23/59	4.65	78	2	2/21/71	3.43	30	3
4/ 2/60	4.36	65	2	3/ 2/71	3.30	26	3
3/29/61	5.25	105	2	3/18/71	3.62	36	3
7/10/62	4.57	73	2	5/12/71	3.33	27	1
1/20/63	2.40	6	2	7/24/71	5.20	103	4
4/26/64	4.42	68	2	8/24/71	3.26	25	3
2/12/65	4.49	70	2	9/16/71	3.31	26	4
2/10/66	3.70	38	1	1/ 9/72	3.56	34	2
4/21/66	3.14	21	3	5/12/72	3.32	27	2
5/21/66	3.14	21	2	10/22/72	3.37	28	2
5/ 4/67	3.21	23	1	2/13/73	3.70	38	2
8/25/67	3.18	22	1	3/24/73	7.04	203	2
6/ 1/67	3.34	27	1				
12/14/67	3.54	33	1				
12/21/67	3.12	21	1				
3/22/68	3.52	33	2				
4/29/68	3.15	22	3				
9/ 3/68	3.45	30	1				
11/30/68	3.12	21	2				
12/21/68	3.21	23	2				
4/ 5/69	3.70	38	3				
4/13/69	4.64	76	3				
5/ 8/69	3.91	46	2				
6/29/69	3.52	33	2				
8/17/69	3.56	34	2				
12/ 7/69	3.32	27	7				

a Floodmark

# PEARL RIVER BASIN

2-4890.30 Elmer's Draw near Columbia, Miss.

Location.--Lat 31°12'00", long 89°58'00" in SE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 26, T.3 N., R.12 E., at a 10x10-foot box culvert on U.S. Highway 98, 5.7 miles west of Columbia, in Marion County.

Gage and history.--Digital punch tape recorders. Prior to April 29, 1965, crest-stage gage at same site and datum.

Basin parameters.--D.A. = 0.91 sq mi; L = 1.23 mi; H = 123 ft;  $\bar{S}$  = .012; M = 1.42; CN = 70.

Type of flow.--Type I.

Remarks.--Annual peaks only prior to April 1965; all peaks above 80 cfs thereafter.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
4/12/55	a13.33	1,150	2	4/13/69	4.63	131	2
2/ 4/56	7.54	400	2	5/ 8/69	4.26	105	1
6/27/57	--	b170	2	8/18/69	4.14	97	1
11/13/57	7.38	380	2	6/24/70	4.02	88	2
8/31/59	5.97	245	2	7/10/70	5.27	183	7
5/ 7/60	12.84	1,080	2	7/21/70	4.93	155	7
2/20/61	9.53	625	2	9/11/70	4.69	136	7
12/10/61	6.77	320	2	12/30/70	4.13	96	2
1/12/63	4.24	104	2	3/ 1/71	4.90	153	1
4/26/64	5.82	230	2	3/18/71	4.43	117	1
12/11/64	4.48	121	2	5/12/71	5.40	193	2
2/10/66	5.83	231	1	5/20/71	4.83	147	1
2/12/66	5.86	233	1	11/28/71	6.84	326	2
2/15/66	4.41	116	1	12/ 6/71	8.19	471	2
2/16/66	4.31	109	1	12/20/71	5.25	181	2
5/24/66	4.06	91	1	1/ 4/72	4.63	131	1
7/ 4/66	4.31	109	1	2/ 6/72	4.04	90	1
8/19/66	4.51	123	1	5/ 7/72	6.98	340	1
9/12/67	4.50	122	1	6/15/72	4.29	107	1
4/14/67	3.86	79	1	12/ 6/72	5.39	192	3
5/ 1/67	7.87	436	1	12/20/72	6.24	268	1
5/ 4/67	5.22	179	1	12/30/72	4.45	118	1
6/ 1/67	3.97	85	1	3/24/73	8.05	456	2
4/29/68	4.93	155	1	3/30/73	5.66	215	1
12/ 3/68	6.83	325	7				
12/20/68	4.09	93	1				
12/30/68	4.62	131	2				
3/17/69	4.37	113	2				

a Floodmark  
b Estimated

# PEARL RIVER BASIN

2-4891.60 Kokomo Draw at Kokomo, Miss.

Location.--Lat 31°11'30", long 90°00'00", in SW¼SE¼SW¼ sec. 28, T.3 N., R. 12 E., at a 20x6-foot box culvert on U.S. Highway 98 at Kokomo, in Marion County.

Gage and history.--Crest-stage gage. Prior to May 21, 1965, crest-stage gage. May 21, 1965, to Sept. 27, 1971, circular-chart recorder, all at same site and datum.

Basin parameters.--D.A. = 1.26 sq mi; L = 1.4 mi; H = 130 ft;  $\bar{S}$  = .013, M = 1.46; CN = 72.

Type of flow.--Type III below about 5 feet; Type I above.

Remarks.--Annual peaks only prior to May 1965; all peaks above 150 cfs thereafter.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
4/12/55	a9.63	1,320	2				
2/ 4/56	5.45	405	2				
4/ 3/57	3.56	86	2				
11/13/57	5.58	419	2				
4/21/59	3.94	146	2				
5/ 7/60	8.45	1,030	2				
2/20/61	6.78	664	2				
12/10/61	7.07	721	2				
1/12/63	4.18	210	2				
7/ 3/64	4.71	286	2				
12/11/64	4.35	212	2				
8/21/65	4.02	159	3				
2/10/66	5.04	327	1				
5/19/66	4.07	167	1				
5/ 1/67	5.60	427	3				
5/ 4/67	4.40	220	3				
9/17/68	3.81	126	3				
12/ 3/68	5.87	478	1				
12/21/68	4.22	191	1				
7/10/70	4.75	278	3				
5/12/71	3.96	150	3				
12/ 6/71	6.80	660	2				
12/20/71	4.69	267	2				
1/ 4/72	4.49	234	2				
5/ 7/72	4.28	201	2				
12/20/72	4.30	204	2				
3/24/73	5.53	414	2				

a Floodmark

# PEARL RIVER BASIN

2-4905.50 Middle Fork Hickory Flat near Tylertown, Miss.

Location.--Lat  $31^{\circ}10'$ , long  $90^{\circ}13'$ , on line between secs. 5 and 8, T.2 N., R. 10 E., at a double 12x6-foot box culvert on U.S. Highway 98, 1/4 mile upstream from F.C. & G. Railroad, and  $5\frac{1}{2}$  miles northwest of Tylertown, in Walthall County.

Gage and history.--Crest-stage gage. Prior to May 21, 1965, crest-stage gage. May 21, 1965, to Sept. 27, 1971, circular-chart recorder, all at same site and datum.

Basin parameters.--D.A. = 1.37 sq mi; L = 2.18 mi; H = 125 ft;  $\bar{S}$  = .008; M = 1.01; CN = 75.

Type of flow.--Type III.

Remarks.--Annual peaks only prior to May 1965; all peaks above 200 cfs thereafter.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
8/22/53	a13.95	2,300	2	12/ 6/71	7.01	733	2
1954	none	--	-	1/29/72	3.90	208	2
2/ 5/55	5.60	450	2	5/ 7/72	4.81	320	2
1956	3.85	67	2	5/11/72	4.56	280	2
4/ 4/57	5.35	413	2	12/20/72	4.57	260	2
3/ 7/58	5.95	516	2	2/ 8/73	5.23	375	2
4/20/59	--	b141	2	3/24/73	6.28	680	2
5/ 7/60	7.13	820	2				
3/29/61	5.92	512	2				
4/28/62	6.25	601	2				
12/29/63	--	b10	2				
3/14/64	6.08	560	2				
10/ 4/64	5.71	416	2				
2/10/66	6.03	487	3				
2/12/66	5.00	270	3				
4/26/66	4.68	212	7				
4/13/67	5.87	451	3				
4/14/67	5.72	418	3				
5/ 1/67	5.98	476	1				
5/ 4/67	5.02	485	1				
3/22/68	4.22	234	1				
12/ 3/68	5.50	499	1				
12/21/68	5.48	494	1				
4/13/69	4.91	254	7				
3/ 3/70	3.67	173	2				
12/16/70	4.87	247	2				
5/12/71	5.51	284	1				
5/20/71	5.20	310	1				
9/16/71	6.19	526	2				

a Floodmark

b Estimated

# HATCHIE RIVER BASIN

7-0292.52 Pool Branch near Ripley, Miss.

Location.--lat 34°42'50", long 88°47'20" in NW¼NW¼ sec. 28, T.4 S., R.5 E., at a 20x6-foot box culvert on State Highway 4, 10.1 miles east of Ripley in Tippah County.

Gage and history.--Crest-stage gage. July 1, 1965 to Sept. 30, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 1.24 sq mi; L = 2.02 mi; H = 185 ft;  $\bar{S}$  = .011; M = 1.03; CN = 70.

Type of flow.--Type III below about 3½ feet; Type I above.

Remarks.--All peaks above 130 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
7/ 4/65	4.44	389 <sup>65</sup>	1	11/ 7/72	4.66	427	2
2/ 9/66	5.10	150	1	3/15/73	7.55	510	2
5/15/66	3.10	130	1	3/30-5/7/73	5.24	527	2
5/18/66	3.11	132	1	11/27/73	5.74	350 <sup>74</sup>	
7/ 7/66	3.27	164 <sup>66</sup>	3	11/19/74	5.24	526 <sup>75</sup>	
11/ 9/66	4.27	359 <sup>67</sup>	3	10/16/76	3.31	172 <sup>76</sup>	disch
3/ 6/67	3.18	146	3	3/3/77	5.14	not det. II	stage
5/ 6/67	3.54	218	1				
8/ 3/67	3.26	162	3				
8/25/67	3.10	130	1				
1/ 9/68	3.14	138	3				
3/11/68	3.32	174	1				
8/11/68	3.81	272 <sup>68</sup>	2				
9/16/68	3.72	254	1				
10/ 6/68	3.91	292 <sup>69</sup>	2				
3/23/69	3.34	178	2				
8/18/69	3.60	230	3				
10/ 1/69	3.98	306	3				
4/ 1/70	5.09	500	4				
4/17/70	5.11	504 <sup>70</sup>	4				
10/12/70	3.56	222	4				
12/20/70	3.61	232	4				
2/21/71	3.94	298 <sup>71</sup>	4				
2/26/71	3.58	226	4				
4/23/71	3.65	201	3				
5/12/71	3.34	178	4				
6/15/71	4.59	223	2				
8/ 3/71	4.74	259	2				
1/ 4/72	3.43	196	2				
6/28/72	3.50	210	2				
9/17/72	3.52	214 <sup>72</sup>	2				



# WOLF RIVER BASIN

7-0303.65 Wesley Branch near Walnut, Miss.

Location.--Lat 34°57'00", long 89°05'20", in SE¼ sec.33, T.1 S., R.2 E., at a triple 8x8-foot box culvert on U.S. Highway 72, 10.5 miles west of Walnut, in Benton County.

Gage and history.--Digital punch tape recorders May 7, 1965, to date.

Basin parameters.--D.A. -2.17 sq mi; L = 2.43 mi; H =270 ft;  $\bar{S}$  = .012; M = 1.13; CN = 70.

Type of flow.--Type I.

Remarks.--All peaks above 80 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
2/10/66	4.01	184	1				
2/12/66	3.23	81	1				
4/30/66	3.26	85	1				
5/18/66	3.38	99	1				
7/ 8/66	3.31	90	1				
3/ 6/67	3.22	80	1				
5/ 1/67	5.06	369	1				
5/ 6/67	5.61	477	1				
7/ 5/67	6.84	755	1				
8/ 3/67	3.23	81	3				
8/25/67	3.54	117	1				
3/11/68	3.61	127	3				
11/27/68	3.76	147	2				
2/ 2/69	3.36	96	1				
4/ 9/69	3.44	106	1				
4/10/69	3.40	101	1				
4/13/69	3.53	117	1				
6/ 9/69	3.58	123	1				
6/30/69	3.36	96	3				
8/18/69	3.90	167	2				
12/29/69	3.65	132	7				
4/10/70	3.50	113	7				
2/21/71	3.78	150	1				
11/ 7/72	4.01	184	2				
1/21/73	3.94	173	2				
3/15/73	3.70	139	2				



# YAZOO RIVER BASIN

7-2671.50 Jones Creek Trib. near New Albany, Miss.

Location.--Lat 34°26'00", long 89°01'00" on line between NE¼ sec. 31 and NW¼ sec. 32, T.7 S., R.3 E., at an 8x4-foot box culvert on State Highway 15, 3.4 miles south of New Albany, in Union County.

Gage and history.--Digital punch-tape recorders May 6, 1965, to date.

Basin parameters.--D.A. = 0.34 sq mi; L = 1.00 mi; H = 44 ft;  $\bar{S}$  = .011; M = 1.06; CN = 74.

Type of flow.--Type I.

Remarks.--All peaks above 25 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
6/13/65	3.82	53	1	4/17/70	5.46	146	7
2/10/66	4.12	68	3	4/26/70	5.02	119	7
4/28/66	3.26	28	1	5/10/70	3.94	59	6
4/30/66	4.43	84	1	5/11/70	6.52	220	6
5/ 6/67	4.99	117	1	6/15/70	4.98	117	6
5/31/67	3.34	32	1	7/22/70	3.58	41	7
5/31/67	3.23	27	1	10/12/70	3.52	39	6
7/ 9/67	6.75	238	2	1/ 3/71	3.99	62	6
7/28/67	4.08	66	1	1/23/71	3.31	30	6
8/ 2/67	3.79	52	1	1/24/71	3.27	29	6
8/ 3/67	3.70	47	1	2/21/71	4.58	93	7
8/ 4/67	4.48	87	1	3/25/71	3.75	50	7
12/17/67	3.51	38	2	5/12/71	3.92	58	7
3/11/68	4.10	67	1	5/27/71	5.10	124	2
5/14/68	3.75	50	1	7/24/71	4.20	72	1
10/14/68	3.40	34	1	7/25/71	4.27	76	1
11/27/68	5.62	155	1	7/29/71	5.92	175	2
2/ 2/69	3.39	34	1	8/ 6/71	4.59	93	1
3/23/69	3.73	48	1	8/21/71	3.94	59	1
4/ 4/69	3.32	31	1	12/ 6/71	4.60	94	2
4/ 9/69	3.93	58	1	1/ 2/72	3.53	39	1
4/10/69	4.48	87	1	1/ 4/72	3.72	48	1
4/13/69	5.21	131	1	1/ 5/72	3.41	34	1
9/19/69	5.40	142	1	5/ 7/72	4.04	64	2
10/ 7/69	3.70	47	1	7/ 3/72	3.62	43	2
11/18/69	3.86	55	1	9/17/72	5.56	152	2
12/29/69	3.32	31	1	9/27/72	5.85	170	1
2/ 1/70	3.24	28	1	9/29/72	3.17	25	1
3/19/70	5.06	122	7	11/ 7/72	4.27	76	1
3/26/70	3.65	44	6	11/13/72	4.18	71	1
4/ 2/70	4.50	88	7	12/ 8/72	3.86	55	1

7-2671.50 Jones Creek Trib. near New Albany, Miss. - Continued--

Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
12/10/72	3.46	36	1				
12/15/72	3.54	40	1				
1/21/73	3.42	35	3				
1/26/73	3.49	38	3				
2/ 1/73	3.32	31	3				
2/ 8/73	3.28	29	3				
2/13/73	3.24	28	3				
3/ 1/73	4.40	82	3				
3/ 1/73	4.47	86	3				
3/ 1/73	4.20	72	3				
3/ 2/73	4.12	68	3				
3/10/73	3.56	40	3				
3/15/73	6.03	183	2				
3/30/73	4.51	89	2				

# YAZOO RIVER BASIN

7-2672 Cracker Ditch near Pontotoc, Miss.

Location.--Lat 34°17'30", long 89°11'40" in SE¼NW¼NW¼ sec. 22, T.9 S., R.1 E., Chickasaw meridian, at a 6x6-foot box culvert on State Highway 6, 11 miles west of Pontotoc in Pontotoc County.

Gage and history.--Crest-stage gage. Prior to May 26, 1965, crest-stage gage. May 26, 1965, to Sept. 14, 1971, circular chart recorder, all at same site and datum.

Basin parameters.--D.A. = 0.23 sq mi; L = 0.82 mi; H = 128 ft;  $\bar{S}$  = .023; M = 1.09; CN = 68.

Type of flow.--Type I.

Remarks.--Annual peaks only prior to May 1965; all peaks above 40 cfs thereafter.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
3/21/55	a7.01	209	2	3/23/69	4.34	68	2
4/30/56	5.59	127	2	4/ 9/69	4.39	70	5
1957	5.59	127	2	7/26/69	3.65	40	1
9/20/58	6.22	161	2	8/18/69	3.77	45	1
1959	none	--	-	10/ 7/69	4.88	91	1
1960	3.60	38	2	11/18/69	4.33	67	3
1961	none	--	-	12/25/69	3.97	53	3
4/11/62	7.08	213	2	12/29/69	4.30	66	3
3/11/63	5.14	104	2	2/15/70	3.71	42	3
3/14/64	5.96	147	2	3/19/70	5.50	122	1
3/26/65	4.28	65	2	4/ 2/70	4.00	54	3
2/10/66	5.28	111	3	4/16/70	4.64	80	1
2/12/66	3.88	49	3	4/20/70	4.78	86	3
4/30/66	5.22	108	3	4/24/70	4.06	56	3
5/13/66	4.18	61	3	4/26/70	5.17	106	3
5/16/66	3.95	52	3	5/10/70	6.65	186	5
5/18/66	4.36	68	3	6/15/70	4.89	92	5
8/12/66	3.82	47	1	12/22/70	3.75	44	1
12/28/66	4.28	65	3	1/24/71	4.05	56	7
4/26/67	5.62	128	3	2/20/71	4.05	56	3
5/ 7/67	3.68	41	1	2/21/71	4.25	64	3
7/ 9/67	5.64	129	2	12/ 6/71	4.20	62	2
8/ 2/67	4.97	96	1	1/ 4/72	3.80	46	2
12/18/67	3.82	47	2	6/25/72	4.95	94	2
3/10/68	4.10	58	2	12/10/72	3.99	54	2
3/11/68	5.15	104	3	1/21/73	4.64	80	2
5/11/68	4.78	86	2	3/15/73	6.06	151	2
9/ 4/68	3.72	43	6				
11/27/68	5.19	106	3				
12/ 2/68	3.64	40	2				
2/ 2/69	4.07	57	2				

a Floodmark

# YAZOO RIVER BASIN

7-2775.50 James Wolf Creek Tributary near Looxahoma, Miss.

Location.--Lat 34°36'45", long 89°50'30" on line between SW¼ sec. 28 and NW¼ sec. 33, T.5 S., R.6 W., at a double 7x5-foot box culvert on State Highway 4, 1.2 miles north of Looxahoma and 7.75 miles east of Senatobia, in Tate County.

Gage and history.--Digital-punch tape recorder. July 22, 1964, to August 3, 1970, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 0.29 sq mi; L = 0.61 mi; H = 95 ft;  $\bar{S}$  = 0.027; M = 1.59; CN = 68.

Type of flow.--Type I.

Remarks.--All peaks above 90 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
12/ 3/64	4.08	124	3	4/16/70	4.40	155	1
3/24/65	3.87	105	1	4/19/70	3.84	103	3
3/30/65	5.40	262	2	4/26/70	5.65	292	3
3/30/65	3.83	102	1	5/11/70	6.86	448	1
6/15/65	3.75	95	3	6/ 1/70	4.99	216	1
3/ 4/66	5.42	264	1	6/ 2/70	5.73	302	1
6/ 7/66	3.78	97	3	Gage inoperative Aug. 3, 1970, to Sept. 23, 1971			
8/13/66	5.11	229	1	12/ 6/71	3.61	84	2
5/ 6/67	4.21	136	3	11/ 6/72	4.27	142	2
5/ 6/67	4.16	131	3	12/ 8/72	3.92	110	2
6/ 1/67	5.77	306	1	1/21/73	3.95	112	2
7/ 5/67	4.86	102	3	3/10/73	4.89	205	2
12/ 2/67	4.03	120	3	3/15/73	3.70	91	2
1/ 9/68	4.24	139	1				
5/ 3/68	3.94	111	1				
8/ 7/68	3.77	97	1				
9/15/68	4.03	120	3				
11/27/68	5.15	234	3				
2/ 2/69	4.44	159	1				
2/15/69	3.85	104	1				
3/23/69	4.65	180	3				
4/ 9/69	4.76	191	3				
4/13/69	3.76	96	3				
4/17/69	6.86	448	3				
5/ 8/69	3.70	91	3				
5/17/69	3.84	103	1				
8/18/69	3.88	106	1				
8/21/69	4.74	189	1				
9/ 4/69	4.16	131	3				
9/ 7/69	4.18	133	3				
3/ 3/70	4.70	185	3				

# YAZOO RIVER BASIN

7-2823 Sabougla Creek Trib. at Sabougla, Miss.

Location.--Lat 33°46'10", long 89°27'30" in SE¼ sec.16, T.22 N., R.8 E., at a 10x6-foot box culvert on State Highway 8, 1/2 mile south of Sabougla, 10.9 miles southwest of Calhoun City, in Calhoun County.

Gage and history.--Digital punch-tape recorders August 11, 1966, to date.

Basin parameters.--D.A. =0.50 sq mi; L = 1.01 mi; H = 48 ft;  $\bar{S}$  = .011; M = 1.29; CN = 70.

Type of flow.--Type II, Type III occasionally.

Remarks.--All peaks above 40 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
1966	none	--	-	3/ 7/72	5.73	128	1
12/19/66	3.87	71	1	4/16/72	3.49	48	1
3/26/67	3.39	43	1	5/ 2/72	3.49	48	1
6/30/67	3.36	42	1	5/ 7/72	3.64	57	1
8/ 2/67	4.22	93	1	7/ 3/72	3.69	60	1
8/20/67	3.72	62	1	1/ 5/73	5.23	64	2
8/26/67	3.99	78	1	1/21/73	5.86	88	2
11/29/67	4.29	98	2	3/10/73	3.80	50	2
12/17/67	4.10	63	2	3/16/73	6.16	165	3
1/ 9/68	4.68	100	2				
3/11/68	3.56	53	1				
4/ 8/68	3.69	60	2				
5/ 8/68	4.49	112	1				
5/14/68	4.11	86	1				
5/16/68	3.65	58	1				
5/17/68	3.49	48	1				
3/23/69	4.31	100	2				
4/13/69	5.49	189	2				
8/20/69	5.77	160	1				
11/19/69	5.06	155	2				
12/30/69	5.68	160	2				
3/19/70	6.51	281	1				
4/17/70	3.99	78	1				
4/19/70	5.74	195	1				
10/20/70	4.08	62	2				
2/21/71	3.85	70	1				
2/26/71	3.69	60	1				
3/25/71	3.39	42	1				
4/21/71	4.99	149	1				
7/23/71	5.63	115	1				
7/28/71	3.65	58	1				
1/ 3/72	5.21	86	1				

# YAZOO RIVER BASIN

7-2834.90 Caney Creek near Coffeeville, Miss.

Location.--Lat 33°55'40", long 89°38'20" in SE¼NE¼SW¼ sec. 23. T.24 N., R. 6 E., at a 16x10-foot box culvert on State Highway 330, 4½ miles east of Coffeeville, in Yalobusha County.

Gage and history.--Crest-stage gage. Prior to May 26, 1965, crest stage gage. May 26, 1965, to Sept. 29, 1971, circular-chart recorder, all at same site and datum.

Basin parameters.--D.A. = 1.97 sq mi; L = 2.89 mi; H = 115 ft;  $\bar{S}$  = 0.005; M = 0.93; CN = 70.

Type of flow.--Type III.

Remarks.--Annual peaks only prior to May 1965, all peaks above 400 cfs thereafter.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
3/21/55	a7.70	1,040	2	2/21/71	6.63	420	3
1956	6.42	645	2	3/18/71	7.16	918	3
7/ 1/57	10.00	1,560	2	3/25/71	5.96	590	3
9/20/58	10.21	854	2	4/21/71	7.16	942	1
2/12/59	5.66	428	2	3/ 2/72	6.66	700	2
10/14/59	5.89	692	2	5/ 7/72	5.90	590	2
2/21/61	6.99	908	2	1/ 5/73	8.13	969	2
12/18/61	7.99	900	2	1/21/73	6.60	550	2
3/11/63	6.25	730	2	3/15/73	8.24	570	2
3/14/64	8.52	1,180	2				
2/12/65	6.88	886	2				
5/20/65	5.46	613	2				
1/ 2/66	5.21	568	3				
2/10/66	7.39	992	2				
2/12/66	4.27	416	3				
5/18/66	7.01	912	3				
12/28/66	4.88	511	3				
3/27/67	6.26	762	1				
5/14/67	6.68	846	2				
5/21/67	4.58	463	3				
9/11/67	7.04	918	1				
1/10/68	6.76	540	2				
2/ 2/69	6.41	451	2				
4/10/69	6.21	400	2				
4/ 1/70	7.46	681	2				
4/17/70	6.06	480	3				
4/19/70	5.86	448	3				
4/26/70	7.46	721	2				
12/23/70	6.50	525	3				
1/24/71	7.39	590	3				

a Floodmark



# YAZOO RIVER BASIN

7-2851 Tie Plant Branch near Grenada, Miss.

Location.--Lat 33°43'40" long 89°47'20" in SE¼NE¼SE¼ sec. 32, T.22 N., R. 5 E., at a double 4x3-foot box culvert on U.S. Highway 51, 3.3 miles south of Grenada in Grenada County.

Gage and history.--Crest-stage gage. June 15, 1965, to Sept. 30, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. -0.13 sq mi; L = 0.41 mi; H = 145 ft;  $\bar{S}$  = .009; M = 1.29; CN = 74.

Type of flow.--Type I.

Remarks.--All peaks above 20 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
3/21/55	a4.79	109	2	2/21/71	3.07	24	3
1965	none	--	-	4/21/71	3.74	52	3
2/10/66	4.86	113	2	6/16/71	3.98	64	3
4/21/66	2.99	22	3	6/19/71	4.09	70	3
5/18/66	3.29	33	1	6/27/71	3.09	25	3
12/ 9/66	2.96	21	3	7/25/71	3.59	45	5
2/20/67	3.26	31	2	7/28/71	3.63	46	1
4/14/67	3.28	32	3	7/29/71	3.53	42	1
7/ 9/67	3.15	27	3	8/ 9/71	4.60	97	1
8/ 2/67	3.70	50	3	8/22/71	3.84	57	1
12/18/67	3.47	40	3	1/ 4/72	3.59	45	2
1/10/68	3.95	62	3	6/14/72	4.17	74	2
3/11/68	4.23	76	3	12/10/72	3.39	37	2
4/ 8/68	3.87	58	2	1/ 5/73	5.46	151	2
5/16/68	3.24	31	2	1/21/73	3.92	61	2
9/15/68	3.40	37	2	3/15/73	5.07	125	2
11/28/68	3.19	29	2	3/24/73	3.39	37	
12/21/68	3.41	37	2				
2/ 2/69	3.41	37	2				
3/23/69	3.18	28	3				
4/13/69	3.42	38	4				
9/ 3/69	3.89	60	1				
12/30/69	3.64	47	2				
4/ 1/70	5.12	128	3				
4/16/70	4.46	89	1				
4/19/70	4.07	68	5				
4/26/70	3.20	29	1				
10/ 8/70	3.41	37	3				
10/12/70	3.54	43	3				
10/24/70	3.03	23	3				
11/ 9/70	2.93	20	3				

a Floodmark



# YAZOO RIVER BASIN

7-2857 Long Creek near Cascilla, Miss.

Location.--Lat 33°51'40", long 89°59'05", in NE¼ sec.16, T.23 N., R.3 E., at a 16x12-foot box culvert on county highway, 1.1 miles east of Cascilla, in Tallahatchie County.

Gage and history.--Crest-stage gage. May 27, 1965, to Sept. 28, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. =1.64 sq mi; L = 1.62 mile; H = 115 ft;  $\bar{S}$  =.009; M = 1.44; CN = 77.

Type of flow.--Type II.

Remarks.--All peaks above 400 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
8/ 8/65	11.58	1,580	6				
1/ 3/66	7.20	676	1				
4/21/66	7.75	775	1				
4/29/66	5.71	425	3				
5/18/66	7.46	723	1				
12/ 9/66	8.73	962	1				
12/28/66	7.82	789	1				
5/ 2/67	5.58	404	1				
7/ 1/67	7.05	649	1				
1/10/68	7.32	698	1				
4/ 8/68	5.95	463	3				
7/22/68	8.10	841	1				
9/15/68	6.22	507	3				
11/27/68	11.20	1,490	1				
2/ 2/69	5.80	439	3				
3/23/69	6.26	514	3				
4/13/69	8.2	860	3				
11/18/69	6.10	487	3				
3/19/70	9.38	1,090	3				
4/16/70	5.68	420	1				
4/26/70	6.40	538	1				
7/ 8/70	6.04	477	1				
8/ 5/70	7.68	762	1				
8/ 9/70	6.28	518	1				
10/12/70	7.82	788	1				
2/21/71	6.10	487	3				
2/26/71	5.75	431	1				
5/12/71	5.69	421	1				
8/ 9/71	7.33	699	3				
1/ 4/72	6.87	618	2				
3/ 2/72	7.07	653	2				

# YAZOO RIVER BASIN

7-2860.10 Brushy Creek Tributary near Oxberry, Miss.

Location.--Lat 33°50'45", long 90°03'10" in NE¼ sec. 23, T.23 N., R.2 E., at a 24x12-foot box culvert on State Highway 35, 4.5 miles north of Oxberry, in Tallahatchie County.

Gage and history.--Crest-stage gage. July 8, 1964, to Sept. 28, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 1.49 sq mi; L = 2.00 mi; H = 215 ft;  $\bar{S}$  = .015; M = 1.13; CN = 61.

Type of flow.--Type III below about 4 feet, Type I above.

Remarks.--All peaks above 350 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
2/10/65	5.31	560	3	3/15/73	5.67	637	2
2/24/65	4.99	493	3				
3/26/65	5.40	579	3				
3/30/65	5.05	506	3				
8/ 8/65	4.86	467	2				
4/30/66	4.52	399	1				
12/ 9/66	5.13	522	3				
12/28/66	4.34	365	3				
2/20/67	4.52	399	2				
3/21/68	5.43	585	1				
4/ 8/68	5.63	629	1				
11/27/68	7.66	1,130	2				
2/ 2/69	4.59	413	1				
3/23/69	4.86	467	1				
4/13/69	6.23	765	1				
9/ 3/69	4.51	397	1				
11/19/69	4.55	405	2				
3/19/70	7.19	1,010	2				
4/16/70	4.30	357	3				
4/26/70	4.50	395	3				
8/10/70	7.16	1,000	2				
8/22/70	5.25	548	1				
10/13/70	5.89	686	3				
2/ 4/71	5.34	566	3				
2/21/71	7.99	1,230	3				
2/26/71	4.34	384	2				
1/ 4/72	4.67	429	2				
3/ 2/72	4.96	487	2				
7/29/73	4.81	457	2				
1/21/73	5.41	581	2				
3/10/73	5.20	537	2				

# YAZOO RIVER BASIN

7-2860.47 Tippo Bayou Trib. at Phillip, Miss.

Location.--Lat  $33^{\circ}45'30''$ , long  $90^{\circ}11'30''$  in NE $\frac{1}{4}$  sec.21, R.1 E., T.22 N., at a 36" concrete pipe culvert on State Highway 8, 0.8 mile east of railroad in Phillip, in Tallahatchie County.

Gage and history.--Digital punch tape recorders August 26, 1966, to date.

Basin parameters.--D.A. =0.04 sq mi; L =0.30 mi; H - 10 ft;  $\bar{S}$  =.006; M =1.22; CN = 85.

Type of flow.--Type III below about 4 feet, Type II above.

Remarks.--All peaks above 15 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
12/ 9/66	3.87	17	2				
4/13/67	3.70	14	2				
1/10/68	3.76	15	2				
3/11/68	3.75	15	1				
11/27/68	4.43	29	1				
4/ 4/69	3.75	15	1				
4/13/69	3.89	18	1				
5/24/69	3.79	16	1				
3/19/70	3.98	20	2				
2/21/71	4.26	25	1				
1/ 4/72	3.50	11	2				
7/28/72	3.58	12	7				
1/20/73	3.74	15	2				

# YAZOO RIVER BASIN

7-2865.20 Big Sand Creek Tributary near North Carrollton, Miss.

Location.--Lat 33°31'30", long 89°52'50" on line between SE¼ and NE¼ sec. 9, T.19 N., R.4 E., at a 36-inch corrugated pipe on county highway 2.4 miles east of North Carrollton, in Carroll County.

Gage and history.--Crest-stage gage. July 22, 1964, to Sept. 28, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. =0.09 sq mi; L =0.61 mi; H =74 ft;  $\bar{S}$  =.016; M =0.94; CN = 73.

Type of flow.--Type I and Type V.

Remarks.--All peaks above 25 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
8/16/64	5.46	43	3	7/25/71	5.39	42	4
2/ 8/65	4.80	32	3	7/30/71	5.36	41	1
2/12/65	5.75	48	4	1/ 4/72	4.76	31	2
2/24/65	4.93	34	3	4/15/72	5.53	44	2
8/ 8/65	5.33	41	4	5/ 7/72	4.43	26	2
1/ 2/66	4.35	25	6	7/ 3/72	6.28	56	2
2/10/66	6.43	58	3	1/21/73	5.63	46	2
5/20/66	5.13	38	2	3/15/73	4.73	31	2
7/30/66	5.02	36	1				
2/19/67	4.93	34	3				
6/23/67	5.10	37	1				
7/ 1/67	6.30	56	6				
7/ 5/67	4.42	26	1				
8/11/67	4.59	29	1				
9/ 7/67	4.43	26	1				
12/14/67	4.38	25	4				
12/18/67	4.80	32	2				
3/21/68	5.49	44	6				
5/17/68	5.49	44	7				
7/ 2/68	4.46	26	2				
9/15/68	4.99	35	2				
4/13/69	5.82	49	2				
10/ 6/69	5.40	42	4				
12/ 6/69	4.93	34	1				
12/30/69	7.25	68	4				
3/ 3/70	4.58	29	2				
3/19/70	5.71	47	2				
4/16/70	5.43	43	2				
4/26/70	4.58	29	2				
10/13/70	5.49	44	4				
2/21/71	5.23	39	3				
6/18/71	5.43	43	4				

# YAZOO RIVER BASIN

7-2870.50 Palusha Creek Tributary near Carrollton, Miss.

Location.--Lat 33°28', long 89°57' in SE¼ sec.35, T.19 N., R.3 E., at an 8x6-foot box culvert on State Highway 17, 3.4 miles south of Carrollton, in Carroll County.

Gage and history.--Crest-stage gage. July 22, 1964, to Sept. 28, 1971, circular chart recorder at same site and datum.

Basin parameters.--D.A. =0.43 sq mi; L =1.57 mi; H =162 ft;  $\bar{S}$  = .016; M =0.80; CN = 60.

Type of flow.--Type II.

Remarks.--All peaks above 30 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
8/12/64	3.26	47	2				
8/16/64	6.24	228	2				
9/28/64	3.22	45	3				
2/12/65	3.33	50	1				
3/ 1/65	3.18	43	1				
3/24/65	3.20	44	3				
2/10/66	3.99	84	1				
5/21/67	3.09	39	3				
7/ 1/67	3.45	56	1				
1/ 9/68	3.14	41	3				
4/ 8/68	3.02	36	2				
5/17/68	3.15	42	3				
3/17/69	2.87	30	2				
3/23/69	3.08	38	1				
4/13/69	2.98	34	2				
12/ 6/69	3.13	40	2				
3/19/70	3.07	38	3				
4/26/70	3.10	39	1				
10/13/70	3.28	48	2				
3/13/71	2.89	31	2				
4/30/71	3.20	44	3				
1/ 4/72	3.53	60	2				
1/21/73	3.94	81	2				
3/15/73	3.64	66	2				

# YAZOO RIVER BASIN

7-2871.40 Martin Lake Trib. at Sidon, Miss.

Location.--Lat 33°27'10", long 90°12'30" in SW¼ sec. 4, T.18 N., R.1 E., at an 8x4-foot box culvert on U.S. Highway 49E, 3.1 miles north of Sidon, 4.2 miles south of Greenwood, in LeFlore County.

Gage and history.--Digital punch tape recorders August 25, 1966, to date.

Basin parameters.--D.A. =0.26 sq mi; L =0.69 mi; H= 19 ft;  $\bar{S}$  =.005; M = 1.35; CN = 85.

Type of flow.--Type III.

Remarks.--All peaks above 40 cfs listed. This base revised since previous reports.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
5/21/67	4.13	47	1	3/ 2/72	4.07	43	2
1/10/68	4.34	62	1	4/29/72	4.48	81	1
9/15/68	4.26	56	3	5/ 7/72	4.30	68	1
12/ 1/68	4.33	61	3	6/10/72	4.22	53	1
5/24/69	4.20	52	1	6/15/72	5.37	134	1
7/26/69	5.02	109	1	7/ 1/72	4.23	54	1
8/21/69	4.31	60	1	7/ 3/72	4.73	89	1
9/ 1/69	4.38	65	1	8/25/72	4.16	66	1
10/ 7/69	4.03	40	7	11/ 2/72	4.13	47	1
12/29/69	4.40	66	2	11/ 7/72	4.15	48	1
3/19/70	4.68	86	3	11/25/72	4.14	48	1
4/16/70	4.19	51	1	11/28/72	4.30	59	1
4/19/70	4.49	72	1	12/30/72	4.08	44	1
4/24/70	4.38	65	1	1/ 3/73	4.19	51	1
8/22/70	4.39	65	1	1/ 5/73	4.41	67	1
10/13/70	5.78	163	2	1/21/73	5.23	124	1
11/ 9/70	4.40	66	2	2/ 1/73	4.27	57	1
12/20/70	4.61	81	1	2/ 8/73	4.24	55	1
1/ 4/71	4.16	49	1	2/13/73	4.80	94	1
1/23/71	4.12	46	1	3/ 6/73	4.57	78	1
2/21/71	4.50	73	2	3/10/73	5.30	129	1
2/26/71	4.22	53	2	3/17/73	a6.49		
4/29/71	4.24	55	2	3/29/73	a6.08		
5/12/71	4.71	88	2				
5/24/71	4.50	73	2				
7/ 2/71	4.23	73	2				
7/25/71	4.20	66	2				
7/28/71	4.04	59	1				
8/ 9/71	4.05	74	2				
12/ 6/71	4.05	55	2				
1/ 4/72	4.73	89	7				

a Appears to be backwater



# YAZOO RIVER BASIN

7-2871.65 Mosquito Lake Trib. #1 at Itta Bena, Miss.

Location.--Lat 33°28'55", long 90°19'30", in SE¼NW¼ sec. 29, T.19 N., R.1 W., at a 4x3-foot box culvert on State Highway 7, 0.5 mile south of Compress at Itta Bena, in Leflore County.

Gage and history.--Crest-stage gage. June 4, 1965, to Sept. 28, 1971, circular chart recorder at same site and datum.

Basin parameters.--D.A. = 0.11 sq mi; L = .53 mi; H = 9 ft;  $\bar{S}$  = .002; M = 1.16; CN = 81.

Type of flow.--Type III below about 3 feet; Type II above.

Remarks.--All peaks above 25 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
6/15/65	3.60	27	3	2/21/71	4.62	56	2
1/28/66	3.63	28	3	2/26/71	4.21	43	2
2/10/66	3.61	27	3	3/13/71	4.11	40	2
4/20/66	4.36	48	3	4/21/71	3.81	32	2
4/29/66	3.83	33	3	4/29/71	4.15	42	2
9/11/66	3.51	25	3	5/12/71	3.95	36	2
12/28/66	3.95	36	3	7/ 2/71	3.59	27	2
2/20/67	3.86	34	3	7/25/71	4.10	40	2
4/14/67	4.01	37	2	7/30/71	3.78	32	1
5/ 2/67	3.90	35	7	8/ 9/71	4.24	44	1
8/19/67	3.81	32	3	1/ 4/72	4.11	40	2
12/14/67	3.71	30	3	3/ 2/72	3.66	29	2
1/10/68	3.90	35	3	4/15/72	4.17	42	2
3/21/68	4.22	44	3	4/29/72	4.18	42	2
4/ 8/68	4.13	41	3	7/ 3/72	4.33	47	2
5/ 9/68	3.91	35	2	11/18/72	3.51	25	2
11/27/68	4.96	66	4	1/21/73	3.67	29	2
3/23/69	4.43	50	2	3/15/73	5.02	68	2
4/13/69	4.79	61	2				
7/26/69	5.28	76	2				
10/ 7/69	4.19	43	2				
12/30/69	3.76	31	2				
2/ 1/70	3.66	29	2				
3/19/70	3.99	37	2				
4/24/70	4.10	40	2				
5/31/70	4.07	39	2				
8/ 6/70	3.89	35	2				
8/ 9/70	3.74	31	2				
8/26/70	4.05	38	2				
10/13/70	3.90	35	2				
11/ 9/70	3.91	35	2				
12/20/70	4.02	38	2				



# YAZOO RIVER BASIN

7-2871.70 Mosquito Lake Trib. #2 at Itta Bena, Miss.

Location.--Lat 33°28'45", long 90°19'20", in NE¼NW¼ sec. 29, T.19 N., R.1 W., at a 6x2-foot box culvert on State Highway 7, 0.75 mile south of Compress at Itta Bena in Leflore County.

Gage and history.--Crest-stage gage. June 4, 1965 to Sept. 28, 1971, circular-chart recorder at same site and datum

Basin parameters.--D.A. = .13 sq mi; L = 0.64 mi; H = 8 ft;  $\bar{S}$  = .002; M = 1.06; CN = 81.

Type of flow.--Type III below about 4 feet; Type II above.

Remarks.--All peaks above 30 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
1965	none	--	-	7/ 8/70	3.35	31	3
1/28/66	3.33	30	2	8/ 9/70	3.34	31	3
2/10/66	3.43	34	1	8/22/70	3.48	37	3
3/ 3/66	3.49	38	2	8/26/70	3.50	38	3
4/20/66	3.74	50	2	11/ 9/70	3.59	42	3
9/11/66	3.79	53	2	12/20/70	3.73	50	2
12/28/66	3.69	48	3	1/ 4/71	3.39	33	2
2/20/67	3.69	48	2	2/21/71	3.97	64	3
4/14/67	3.98	65	2	2/26/71	3.76	52	3
4/21/67	3.34	31	2	3/13/71	3.46	36	3
5/ 2/67	3.69	48	2	4/21/71	3.54	40	3
5/22/67	3.38	32	2	4/29/71	3.79	53	3
8/19/67	3.37	32	2	5/12/71	3.61	44	3
12/15/67	3.51	47	2	7/25/71	3.58	42	3
1/ 9/68	3.71	49	2	7/30/71	3.85	57	1
3/21/68	3.70	48	1	8/ 9/71	3.67	46	1
4/ 8/68	3.81	55	3	12/ 6/71	3.29	29	2
4/28/68	4.38	87	2	1/ 4/72	3.72	49	2
5/ 9/68	3.59	50	2	4/29/72	3.73	50	2
8/10/68	3.69	53	3	7/ 3/72	3.84	56	2
9/15/68	3.49	46	3	1/21/73	3.59	42	2
7/26/69	4.56	96	6	3/15/73	4.23	80	2
9/19/69	3.61	44	1				
10/ 7/69	3.35	31	1				
11/18/69	3.88	59	1				
12/29/69	3.39	33	1				
2/ 1/70	3.45	36	3				
3/18/70	3.74	50	3				
4/16/70	4.06	70	6				
4/19/70	3.70	48	1				
4/24/70	3.72	49	1				
5/31/70	3.39	33	2				

# YAZOO RIVER BASIN

7-2875.05 Broad Lake Trib. #1 near Yazoo City, Miss.

Location.--Lat 32°52'50", long 90°29'40" in SE¼SW¼ sec. 15, T.12 N., R.3 W., at a 24-inch concrete pipe culvert on U.S. Highway 49W, 3.6 miles northwest of Yazoo City, in Yazoo County.

Gage and history.--Crest-stage gage. June 4, 1965, to July 19, 1971, circular chart recorder.

Basin parameters.--D.A. = 0.11 sq mi; L = 0.40 mi; H = 9 ft;  $\bar{S}$  = 0.002; M = 1.50; CN = 85.

Type of flow.--Type III below about 3 feet; Type II, 3-5 feet; Type VI above 5 feet,

Remarks.--All peaks above 10 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
2/10/66	6.06	29	2	1/21/73	4.36	15	2
4/20/66	4.47	16	2	3/10/73	4.63	18	2
5/18/66	4.13	13	2	3/16/73	4.95	21	2
7/ 1/66	5.02	21	3	3/24/73	4.54	17	2
12/ 9/66	3.85	10	2				
2/20/67	4.60	17	2				
5/21/67	4.71	18	2				
6/30/67	4.63	18	2				
8/25/67	4.16	13	2				
12/14/67	4.02	12	2				
12/17/67	4.20	14	3				
1/ 9/68	4.59	17	3				
4/ 8/68	4.64	18	2				
5/ 9/68	4.11	13	2				
11/27/68	4.78	19	2				
2/ 2/69	4.53	17	2				
3/23/69	4.05	12	6				
4/13/69	4.41	16	7				
5/ 7/69	3.92	11	2				
12/ 6/69	4.39	15	2				
12/29/69	5.09	22	2				
4/26/70	5.06	22	2				
7/17/70	4.40	16	2				
9/23/70	3.94	11	3				
10/13/70	4.55	17	3				
2/19/71	4.74	19	2				
2/21/71	4.01	12	2				
2/26/71	4.61	18	1				
6/23/71	4.35	15	1				
7/17/71	4.66	18	1				
2/14/72	4.12	13	2				

# YAZOO RIVER BASIN

7-2875.10 Broad Lake Trib. #2 near Yazoo City, Miss.

Location.--Lat 32°52'45", long 90°29'25" in NW¼NE¼ sec. 22, T.12 N., R.3 W., at a 24-inch concrete pipe culvert on U.S. Highway 49W, 3.4 miles northwest of Yazoo River bridge at Yazoo City, in Yazoo County.

Gage and history.--Circular-chart recorder June 4, 1965, to July 19, 1971.

Basin parameters.--D.A. =0.05 sq mi; L =.45 mi; H = 7 ft;  $\bar{S}$  = .002; M = .94; CN = 85.

Type of flow.--Type III below about 4 feet; Type II, 4-5 feet; Type VI above 5 feet.

Remarks.--All peaks above 10 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
7/ 9/65	3.92	11	1	2/26/71	4.17	13	2
12/17/65	3.93	11	1	6/23/71	4.11	13	3
2/10/66	5.80	28	3	7/17/71	5.15	22	7
2/12/66	4.22	14	1	Discontinued 7/19/71			
4/20/66	4.26	14	3				
5/18/66	4.26	14	3				
7/ 1/66	4.59	17	3				
2/20/67	4.26	14	3				
4/14/67	3.85	10	3				
5/21/67	4.45	16	3				
7/ 6/67	3.85	10	3				
8/25/67	4.18	13	3				
12/17/67	4.07	12	2				
1/ 9/68	4.23	14	2				
4/ 8/68	4.33	14	2				
4/28/68	3.90	10	2				
5/ 9/68	4.04	12	2				
5/30/68	4.21	14	2				
6/19/68	3.85	10	1				
11/27/68	4.47	16	2				
2/ 2/69	4.32	14	2				
3/23/69	4.02	12	7				
4/13/69	4.37	15	7				
4/17/69	4.13	13	7				
5/ 8/69	4.02	12	2				
12/ 6/69	4.02	12	2				
12/29/69	4.67	18	2				
4/26/70	4.93	20	7				
7/17/70	4.03	12	7				
10/13/70	4.04	12	2				
2/21/71	4.31	14	2				

# YAZOO RIVER BASIN

7-2875.20 Short Creek Tributary near Yazoo City, Miss.

Location.--Lat 32°48'15", long 90°22'20" in NE¼ sec.14, T.11 N., R.2 W., at a double 8x8-foot box culvert on U.S. Highway 49, 3.5 miles south-east of Yazoo City, in Yazoo County.

Gage and history.--Digital punch-tape recorders. July 1, 1964 to Sept. 30, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. =1.49 sq mi; L =2.63 mi; H =187 ft;  $\bar{S}$  =.011; M = .89; CN = 67.

Type of flow.--Type II.

Remarks.--All peaks above 300 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
9/28/64	8.50	850	2	10/13/70	6.60	527	2
12/10/64	5.16	307	1	10/19/70	5.33	331	2
2/ 8/65	6.46	504	3	2/21/71	10.06	1,130	6
2/10/65	5.35	334	1	7/17/71	5.60	370	6
2/24/65	5.50	355	3	7/25/71	5.87	410	1
3/ 1/65	6.59	525	3	1/ 4/72	6.22	465	2
3/29/65	5.42	344	1	1/10/72	8.78	898	2
9/21/65	5.40	341	1	5/ 7/72	5.85	316	2
1/ 1/66	5.39	340	2	5/12/72	5.22	408	2
2/10/66	9.47	1,020	5	6/14/72	5.12	302	3
4/ 4/66	5.73	390	1	9/21/72	8.28	813	2
4/20/66	7.12	615	1	12/14/72	6.62	530	2
7/29/66	5.99	428	1	3/11/73	7.10	612	1
2/20/67	5.65	378	1	3/17/73	6.23	467	1
5/ 1/67	5.63	374	1	3/24/73	9.50	1,020	1
5/21/67	5.21	314	3				
8/25/67	5.70	385	1				
12/ 2/67	5.59	368	3				
1/ 9/68	8.72	887	3				
4/ 8/68	6.07	441	3				
5/ 9/68	7.96	758	3				
5/17/68	6.30	478	3				
5/30/68	5.54	361	3				
6/19/68	6.32	481	2				
11/28/68	5.95	422	3				
2/ 2/69	6.41	496	3				
3/23/69	5.93	420	1				
4/13/69	6.53	515	1				
12/29/69	7.94	755	3				
2/ 1/70	6.70	544	7				
4/26/70	5.87	410	3				

# YAZOO RIVER BASIN

7-2885.68 Quiver River Trib. near Schlater, Miss.

Location.--Lat 33°38'30", long 90°24'30", in SE¼ sec. 33, R.2 W., T.21 N., at a 36-inch concrete pipe on State Highway 442, 3.4 miles west of Schlater in Leflore County.

Gage and history.--Crest-stage gage. August 26, 1966, to Sept. 23, 1971, digital punch-tape recorders at same site and datum.

Basin parameters.--D.A. = 0.18 sq mi; L = .47 mi; H = 13 ft;  $\bar{S}$  = .006; M = 1.62; CN = 85.

Type of flow.--Type III and IV.

Remarks.--All peaks above 15 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available
12/ 9/66	4.30	17	1				
12/28/66	4.14	15	3				
2/20/67	4.25	16	1				
4/14/67	4.50	21	1				
7/ 2/67	4.52	21	1				
1/ 3/68	4.62	23	1				
1/11/68	5.74	a	1				
3/11/68	4.96	30	1				
4/ 8/68	4.68	25	1				
5/17/68	4.74	26	1				
11/27/68	5.99	a	1				
11/30/68	5.43	a	1				
12/ 2/68	6.07	a	1				
2/ 3/69	4.27	a	1				
3/18/69	4.07	15	1				
4/13/69	4.42	22	1				
11/18/69	4.45	23	1				
12/ 6/69	4.49	21	1				
3/19/70	5.38	35	5				
3/21/70	4.85	28	5				
4/ 1/70	5.69	38	2				
4/19/70	4.56	22	1				
2/21/71	4.90	29	2				
5/12/71	4.27	16	1				
7/25/71	5.37	35	1				
1/ 4/72	5.28	34	2				
3/ 2/72	4.20	15	2				
4/15/72	4.06	16	2				
1/21/73	5.11	32	2				

a Not determined, affected by back-water.

# YAZOO RIVER BASIN

7-2886.90 Mills Bayou Trib. near Hollandale, Miss.

Location.--Lat  $33^{\circ}11'00''$ , long  $90^{\circ}41'50''$ , on line between SE $\frac{1}{4}$  sec. 34, T. 16 N., R. 5 W., and NE $\frac{1}{4}$  sec. 3, T. 15 N., R. 5 W., at a 5x5-foot box culvert on State Highway 12, 10 miles east of Hollandale in Washington County.

Gage and history.--Digital punch tape recorders August 24, 1966, to Sept. 9, 1969.

Basin parameters.--D.A. = 0.08 sq mi; L = .57 mi; H = 7 ft;  $\bar{S}$  = .002; M = .94; CN = 85.

Type of flow.--Type III.

Remarks.--All peaks above 10 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
5/21/67	4.81	19	1				
7/ 6/67	4.54	33	1				
12/17/67	4.71	19	1				
1/10/68	5.46	53	3				
1/13/68	6.02	a	3				
4/ 8/68	5.10	35	6				
11/28/68	5.45	52	1				
Station discontinued 9/9/69							

a Discharge not determined, affected by backwater. 85



# BIG BLACK RIVER BASIN

7-2891 Big Black River Tributary near Eupora, Miss.

Location.--Lat 33°32'00", long 89°17'40", in SW¼ sec. 6, T.19 N., R.10 E., at a double 12x5-foot box culvert on U.S. Highway 82, 1.8 miles southwest of Eupora, in Webster County.

Gage and history.--Crest-stage gage. July 23, 1964, to Sept. 30, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. =2.29 sq mi; L =2.58 mi; H =176 ft;  $\bar{S}$  =.007; M =1.09; CN = 70.

Type of flow.--Type III below about 7 feet; Type I above.

Remarks.--All peaks above 300 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
2/11/65	7.11	898	3				
2/12/65	5.56	449	3				
3/29/65	5.74	500	3				
2/ 9/66	5.27	374	2				
3/ 3/66	5.29	379	2				
4/26/66	7.05	880	1				
4/29/66	4.96	301	1				
6/ 6/66	6.85	820	2				
2/20/67	4.01	145	3				
1/ 9/68	5.29	379	3				
5/25/68	7.04	721	1				
3/23/69	5.99	570	3				
4/ 9/69	5.51	399	1				
4/13/69	5.51	399	1				
12/29/69	5.98	450	4				
3/19/70	7.79	1,100	7				
4/16/70	5.75	503	1				
4/19/70	5.12	338	1				
10/12/70	5.23	364	1				
2/26/71	5.96	562	2				
1/ 4/72	5.49	430	2				
5/ 7/72	5.82	523	2				
1/ 5/73	5.69	558	2				
3/15/73	6.70	775	2				



# BIG BLACK RIVER BASIN

7-2892.25 Downing Branch near French Camp, Miss.

Location.--Lat  $33^{\circ}19'$ , long  $89^{\circ}25'$  in SW $\frac{1}{4}$  sec. 24, T.17 N., R.8 E., at a 12x12-foot box culvert on State Highway 413, 2.0 miles north of French Camp, in Choctaw County.

Gage and history.--Crest-stage gage. July 27, 1964, to Sept. 20, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 1.74 sq mi; L = 2.48 mi; H = 111 ft;  $\bar{S}$  = .005; M = 1.00; CN = 68.

Type of flow.--Type III below about 10 feet; Type I above.

Remarks.--All peaks above 190 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
1/23/65	6.65	223	1	2/26/71	8.12	441	2
2/ 9/65	6.79	248	1	4/29/71	7.91	401	2
2/11/65	8.95	709	1	5/10/71	7.13	245	2
2/24/65	6.46	192	3	5/12/71	7.35	296	3
3/ 1/65	6.50	198	1	7/25/71	6.97	284	3
2/10/66	6.87	264	1	1/10/72	8.42	490	2
2/12/66	7.17	324	1	3/ 2/72	7.94	215	2
4/26/66	7.35	360	2	5/ 7/72	7.27	275	2
2/20/67	6.90	205	3	12/14/72	6.64	255	2
5/22/67	7.60	300	1	1/ 5/73	7.69	510	2
7/ 6/67	6.50	220	3	1/21/73	7.07	376	2
8/10/67	7.05	250	1	2/13/73	7.71	436	2
12/ 1/67	7.32	298	1	3/15/73	8.11	524	2
12/18/67	8.60	570	2	3/24/73	7.98	496	2
1/ 9/68	7.77	318	3				
4/ 8/68	6.9	270	3				
4/28/68	5.91	195	1				
5/26/68	6.8	250	1				
7/ 7/68	6.85	260	3				
11/28/68	6.72	236	2				
12/21/68	7.12	270	3				
2/ 2/69	7.03	270	3				
3/18/69	6.80	250	3				
3/23/69	7.50	390	3				
4/10/69	8.87	691	3				
12/29/69	8.00	320	3				
4/16/70	8.27	500	1				
4/19/70	7.96	432	3				
4/24/70	6.94	227	3				
10/12/70	7.31	290	2				
1/23/71	7.13	270	2				

# BIG BLACK RIVER BASIN

7-2892.68 Hays Creek Trib. near Vaiden, Miss.

Location.--Lat 33°21'20", long 89°48'00" in NW¼NW¼ sec. 8, T.17 N., R.5 E., at a 10x6-foot box culvert on State Highway 35, 4.3 miles northwest of intersection of Highways 35 and 51 at Vaiden, in Carroll County.

Gage and history.--Crest-stage gage, June 29, 1965, to Sept. 28, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 0.40 sq mi; L = 0.81 mi; H = 75 ft;  $\bar{S}$  = .011; M = 1.42; CN = 75.

Type of flow.--Type III below about 8 feet; Type I above.

Remarks.--All peaks above 50 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
7/24/65	3.41	58	3	4/26/70	6.22	125	2
8/ 8/65	4.97	163	1	5/ 2/70	5.93	246	2
8/23/65	4.57	132	1	8/22/70	6.71	250	1
2/10/66	5.80	233	1	10/12/70	5.69	223	5
2/10/66	4.72	143	1	10/13/70	7.24	382	4
3/ 3/66	4.18	105	1	1/ 4/71	5.38	72	3
4/26/66	9.54	681	1	2/21/71	6.60	188	3
12/28/66	3.44	60	3	2/22/71	6.22	158	3
2/20/67	4.02	94	3	2/26/71	8.62	390	4
5/ 1/67	4.04	95	2	3/13/71	4.36	68	3
5/21/67	5.33	191	2	3/29/71	5.28	72	3
6/23/67	7.72	360	3	4/30/71	6.47	145	4
6/24/67	5.13	175	3	1/ 4/72	8.01	255	2
1/ 9/68	5.13	100	2	5/ 7/72	4.87	185	2
3/11/68	5.86	135	2	1/21/73	7.49	410	2
4/28/68	5.87	100	7	3/15/73	7.97	466	2
5/18/68	7.26	310	3				
11/17/68	4.82	100	4				
11/30/68	5.16	76	7				
2/ 2/69	4.99	73	3				
3/18/69	3.96	54	2				
3/23/69	5.62	78	2				
4/ 9/69	6.32	210	6				
4/10/69	7.49	325	6				
4/13/69	6.90	266	6				
7/26/69	4.51	143	1				
8/18/69	3.42	59	1				
12/ 6/69	4.05	96	1				
12/25/69	4.43	122	2				
12/30/69	7.49	410	2				
3/19/70	5.27	70	2				
4/16/70	7.04	200	7				

# BIG BLACK RIVER BASIN

7-2893.95 Sharkey Creek Trib. near West, Miss.

Location.--Lat 33°08'45", long 89°44'30" in NW¼ sec. 24, T.15 N., R.5 E., at a 6x6-foot box culvert on State Highway 19 at Possumneck, 4.7 miles south-east of West, in Attala County.

Gage and history.--Crest-stage gage. August 10, 1966, to Sept. 14, 1971, digital punch-tape recorders at same site and datum.

Basin parameters.--D.A. =0.30 sq mi; L =1.03 mi; H =82 ft;  $\bar{S}$  =.012; M = 1.00; CN = 74.

Type of flow.--Type III.

Remarks.--All peaks above 50 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
9/18/66	6.33	115	2	2/26/71	5.70	73	1
2/19/67	5.33	56	1	8/ 6/71	6.69	110	1
5/18/67	5.43	60	1	1/ 4/72	6.93	140	2
5/ 1/67	5.19	52	1	3/ 2/72	6.48	105	2
5/21/67	5.87	82	2	12/14/72	6.04	140	2
6/ 1/67	6.17	42	2	1/ 3/73	5.94	86	2
6/25/67	5.26	54	1				
7/ 6/67	5.75	75	2				
7/20/67	5.62	69	1				
11/21/67	4.52	66	2				
12/17/67	5.90	84	2				
1/ 9/68	5.57	57	2				
2/ 1/68	5.16	87	1				
5/13/68	5.61	54	1				
5/25/68	5.60	53	1				
6/21/68	5.33	57	1				
12/ 1/68	5.37	58	1				
12/21/68	5.53	57	1				
2/ 1/69	5.67	59	1				
3/23/69	5.86	102	1				
4/ 9/69	5.12	51	1				
4/10/69	6.56	129	1				
4/13/69	6.13	98	1				
4/14/69	6.32	111	1				
4/17/69	6.06	94	1				
12/30/69	6.03	68	1				
4/16/70	5.54	65	1				
4/19/70	5.48	62	1				
4/26/70	7.67	218	1				
8/22/70	6.17	70	1				
10/11/70	6.17	58	1				
2/21/71	6.78	146	1				

# BIG BLACK RIVER BASIN

7-2894.70 Tacketts Creek Trib. near Pickens, Miss.

Location.--Lat 32°56', long 89°58' on line between NE¼ and SE¼ sec. 34, T.13N., R. 3E., at a 6x6-foot box culvert on State Highway 17, 3.6 miles north of Pickens, in Holmes County.

Gage and history.--Crest-stage gage. Prior to May 20, 1965, crest-stage gage. May 20, 1965 to Sept. 30, 1971, Circular chart recorder, all at same site and datum.

Basin parameters.--D.A. = 0.15 sq mi; L = 0.55 mi; H = 79 ft;  $\bar{S}$  = .021; M = 1.29; CN = 72.

Type of flow.--Type III below about 5 feet; Type I above.

Remarks.--All peaks above 40 cfs listed. Occasional backwater from downstream lake.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
7/ 8/64	3.69	40	2	10/19/70	3.95	50	5
8/16/64	4.32	66	2	2/21/71	6.43	181	3
9/28/64	4.72	86	2	2/26/71	4.95	98	3
12/30/64	4.41	70	2	3/13/71	4.15	58	3
2/10/65	4.42	71	2	5/ 9/71	5.55	128	3
3/ 1/65	4.41	70	2	6/18/71	5.62	132	5
8/17/65	4.08	55	1	7/16/71	5.18	109	1
2/10/66	5.52	126	2	7/26/71	4.64	82	3
3/ 3/66	3.91	48	2	8/ 6/71	4.33	59	5
4/26/66	5.30	110	2	1/ 4/72	6.84	206	2
4/28/66	4.42	71	2	3/ 2/72	5.52	126	2
2/20/67	3.88	47	3	3/ 8/72	4.70	85	2
5/ 1/67	4.05	52	1	10/23/72	4.11	56	2
5/21/67	4.15	58	1	12/14/72	3.99	44	2
7/ 5/67	6.07	159	3	1/ 2/73	4.48	74	2
8/25/67	5.16	108	3	3/10/73	5.27	114	2
5/ 8/68	5.25	112	2	3/15/73	5.92	150	2
5/10/68	4.22	61	2	3/24/73	5.47	124	2
7/ 3/68	6.50	185	4				
11/30/68	4.00	43	2				
12/21/68	4.86	74	3				
2/ 2/69	3.76	42	2				
3/23/69	4.52	63	2				
4/13/69	6.25	170	2				
4/17/69	3.96	50	2				
9/ 3/69	4.74	87	2				
12/29/69	4.71	86	2				
4/26/70	5.24	112	2				
7/25/70	4.11	56	4				
10/12/70	5.35	105	3				
10/13/70	4.05	44	3				

# BIG BLACK RIVER BASIN

7-2896.40 Panther Creek near Flora, Miss.

Location.--Lat 32°33'57", long 90°10'22" in SW $\frac{1}{4}$  sec. 2, T.8 N., R.1 E., at a 6x5-foot box culvert on State Highway 22, 8.0 miles northeast of Flora, in Madison County.

Gage and history.--Digital punch-tape recorders. June 19, 1964; to Sept. 14, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 0.26 sq mi; L = 0.74; H = 68 ft;  $\bar{S}$  = .013; M = 1.27; CN = 69.

Type of flow.--Type I.

Remarks.--All peaks above 50 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
7/ 9/64	4.84	103	1	10/12/70	6.20	184	2
12/30/64	4.26	74	3	11/14/70	3.78	51	2
2/10/65	4.32	77	3	2/21/71	5.41	136	2
10/ 5/65	3.91	56	1	2/26/71	5.07	115	2
2/10/66	5.44	137	1	4/21/71	5.84	161	4
4/21/66	4.00	61	1	5/ 9/71	5.82	160	3
4/26/66	3.80	52	3	5/11/71	4.02	62	3
4/26/66	6.61	213	1	5/12/71	5.05	114	3
5/13/66	4.55	88	3	6/16/71	4.05	64	1
5/19/66	4.66	94	3	6/18/71	6.42	199	5
8/19/66	4.12	67	1	7/16/71	3.88	55	6
2/20/67	4.06	61	3	8/ 6/71	6.07	175	1
4/14/67	4.36	79	1	8/ 8/71	5.31	130	1
5/ 1/67	5.87	163	1	1/ 3/72	6.05	174	1
5/21/67	3.78	51	1	1/ 4/72	4.62	92	1
12/ 1/67	5.18	122	2	1/10/72	3.74	51	2
1/ 9/68	4.15	68	2	2/ 6/72	5.17	121	2
4/ 8/68	3.93	58	2	3/ 2/72	6.78	225	1
4/28/68	4.31	76	2	5/ 7/72	3.85	54	1
5/ 9/68	4.46	139	2	9/30/72	4.00	61	1
8/12/68	5.53	143	1	12/14/72	4.33	78	1
3/17/69	4.80	101	1	1/ 3/73	3.94	58	1
3/23/69	4.80	101	1	3/10/73	7.17	252	1
4/ 5/69	3.78	51	3	3/15/73	5.86	163	1
4/10/69	3.90	56	3	3/24/73	5.24	125	3
4/13/69	5.67	151	3				
12/ 6/69	4.41	82	2				
12/21/69	3.90	56	2				
12/30/69	5.41	136	4				
2/ 1/70	3.89	56	2				
3/19/70	5.94	167	3				
4/26/70	3.96	59	2				

# BIG BLACK RIVER BASIN

7-2896.41 Panther Creek Tributary near Flora, Miss.

Location.--Lat 32°34'00", long 90°10'05" in SW¼ sec. 2, T.8 N., R.1 E., at a 5x2.2-foot box culvert on State Highway 22, 8.3 miles northeast of Flora, in Madison County.

Gage and history.--Crest-stage gage. June 19, 1964 to Sept. 30, 1971, circular chart recorder at same site and datum.

Basin parameters.--D.A. = 0.07 sq mi; L = 0.34 mi; H = 72 ft;  $\bar{S}$  = 0.037; M = 1.42; CN = 69.

Type of flow.--Type II flow.

Remarks.--All peaks above 35 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
7/ 2/64	4.18	50	1	1/ 3/72	4.22	52	2
7/ 9/64	5.45	96	1	2/ 6/72	3.54	30	2
11/28/64	3.74	36	1	3/ 2/72	6.56	123	2
12/11/64	3.69	35	3	7/24/72	4.48	62	2
1/23/65	3.89	41	2	10/22/72	3.69	35	2
2/10/66	4.89	79	1	3/10/73	7.42	140	2
4/21/66	4.11	47	1	3/15/73	4.58	66	2
4/26/66	5.96	109	3	3/24/73	4.35	57	2
8/19/66	5.72	103	1				
5/ 1/67	5.38	94	1				
12/17/67	4.11	47	3				
5/ 9/68	3.98	43	3				
8/12/68	3.70	35	1				
10/ 6/68	3.80	38	7				
11/ 6/68	4.17	50	7				
3/17/69	3.71	35	3				
3/23/69	4.23	52	3				
4/13/69	4.50	63	3				
12/30/69	3.80	38	1				
2/ 1/70	3.78	37	3				
3/19/70	5.10	86	2				
5/31/70	3.78	37	1				
9/24/70	4.21	51	1				
10/12/70	6.51	122	2				
2/21/71	4.64	70	2				
4/21/71	6.56	123	2				
5/ 9/71	4.57	66	7				
5/12/71	4.17	50	7				
6/16/71	3.89	41	3				
6/18/71	6.41	120	2				
7/16/71	3.82	39	2				
8/ 6/71	5.51	98	2				
8/ 8/71	4.89	79	2				



# BAYOU PIERRE BASIN

7-2902.20 Dry Draw near Brookhaven, Miss.

Location.--Lat 31°38'35", long 90°25'50", in NW¼SW¼SW¼ sec. 20, T.8 N., R.8 E., at a 6x6-foot box culvert on U.S. Highway 51, 4.5 miles north of Brookhaven, in Lincoln County.

Gage and history.--Crest-stage gage. June 9, 1965, to Sept. 27, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 0.20 sq mi; L = 0.56 mi; H = 55 ft;  $\bar{S}$  = .013; M = 1.46; CN = 71.

Type of flow.--Type III below about 7 feet, Type I above.

Remarks.--All peaks above 40 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
4/12/55	10.18	460	2				
2/15/66	4.37	52	2				
4/21/66	6.22	170	2				
5/19/66	5.30	106	2				
5/24/66	4.30	48	5				
11/11/66	4.71	69	1				
5/21/67	6.06	159	5				
6/ 1/67	6.18	168	1				
3/22/68	4.53	60	2				
4/13/68	6.20	169	3				
4/29/68	4.20	44	3				
7/22/68	5.19	135	2				
8/ 6/68	6.21	170	1				
8/19/68	4.93	82	1				
3/23/69	4.98	72	3				
4/10/69	4.84	76	1				
4/13/69	5.57	125	1				
5/ 2/70	4.15	42	1				
8/ 7/70	4.98	85	1				
8/23/70	4.72	69	1				
2/26/71	4.10	40	1				
4/21/71	5.41	114	1				
12/ 6/71	6.05	158	2				
1/ 9/72	4.77	72	2				
12/20/72	4.80	74	2				
2/13/73	5.10	92	2				
3/ 6/73	7.61	279	2				
3/24/73	8.48	344	2				
3/31/73	4.20	44	2				



# BAYOU PIERRE BASIN

7-2905.25 White Oak Creek Tributary near Utica, Miss.

Location.--Lat 32°04'00", long 90°31'35" in SE¼ sec. 29, T.3 N., R.3 W., at a 12x12-foot box culvert on State Highway 27, 6.3 miles southeast of Utica, in Hinds County.

Gage and history.--Crest-stage gage. Aug. 7, 1964, to Sept. 23, 1971, circular chart recorder at same site and datum.

Basin parameters.--D.A. = 1.36 sq mi; L = 2.39 mi; H = 148 ft;  $\bar{S}$  = .007; M = 0.93; CN = 62.

Type of flow.--Type III below about 9 feet; Type I above.

Remarks.--All peaks above 250 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
10/ 4/64	7.75	450	7				
11/28/64	11.26	1,230	2				
12/11/64	8.84	746	2				
2/10/65	7.13	383	2				
2/26/65	7.02	361	2				
8/ 7/65	6.34	261	2				
4/21/66	7.51	462	1				
5/19/66	6.46	276	1				
5/ 4/67	8.10	471	3				
5/21/67	9.06	710	3				
6/ 1/67	6.84	250	1				
5/ 9/68	7.71	380	1				
4/10/69	7.05	297	3				
4/17/69	8.48	580	3				
12/30/69	6.26	251	2				
3/18/70	5.01	255	3				
6/ 2/70	7.25	350	3				
10/12/70	7.01	484	1				
10/19/70	8.88	671	1				
1/30/71	7.34	555	3				
3/12/71	7.75	615	3				
5/12/71	7.70	504	4				
8/ 3/71	7.19	395	3				
1/ 9/72	6.41	430	2				
3/ 2/72	6.10	390	2				
5/ 2/72	6.20	400	2				
7/29/72	7.00	510	2				
12/20/72	7.16	389	2				
1/31/73	8.17	606	2				
3/24/73	7.48	456	2				

# COLE CREEK BASIN

7-2908.30 Little Creek near Fayette, Miss.

Location.--Lat  $31^{\circ}40'30''$ , long  $91^{\circ}04'10''$ , in SE corner of irregular section 24, R.1 E., T.8 N., at a 12x12-foot box culvert on State Highway 33, 2.0 miles south of intersection of Highways 61 and 33, 3.0 miles south of Fayette in Jefferson County.

Gage and history.--Digital punch tape recorders August 18, 1966, to date.

Basin parameters.--D.A. =1.71 sq mi; L = 1.98 mi; H = 230 ft;  $\bar{S}$  =.009; M = 1.21; CN = 65.

Type of flow.--Type III below about 7 feet; Type I above.

Remarks.--All peaks above 250 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
9/18/66	7.39	450	1				
5/ 3/67	8.89	659	1				
5/21/67	6.55	341	1				
6/ 1/67	7.50	465	1				
8/27/67	6.43	327	1				
1/ 9/68	5.95	269	1				
5/26/68	12.38	1,220	6				
12/19/68	6.93	344	1				
2/22/69	5.96	275	1				
3/23/69	7.14	415	1				
4/10/69	9.25	601	1				
10/ 7/69	10.82	780	1				
10/12/70	6.99	394	2				
1/14/71	6.25	305	1				
12/ 5/71	6.67	355	1				
1/ 9/72	7.40	451	1				
3/ 2/72	5.82	255	1				
3/28/72	6.79	370	1				
12/20/72	6.05	281	2				
2/13/73	7.07	405	2				
3/24/73	9.21	706	2				

# ST. CATHERINE CREEK BASIN

7-2909.10 Spanish Bayou at Natchez, Miss.

Location.--Lat 31°31'50", long 91°23'25", in sec. 46, T.7 N., R.3 W., at a 14x14-foot box culvert on U.S. Highways 84 and 65 at south edge of Natchez in Adams County.

Gage and history.--Crest-stage gage. Aug. 19, 1966, to Sept. 22, 1971, digital punch-tape recorders at same site and datum.

Basin parameters.--D.A. =2.59 sq mi; L = 3.92 mi; H = 145 ft;  $\bar{S}$  =.005; M = .79; CN = 80.

Type of flow.--Type I.

Remarks.--All peaks above 500 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
9/18/66	10.74	1,050	1				
11/11/66	7.70	538	1				
5/ 3/67	10.92	1,090	1				
5/21/67	11.75	1,250	1				
5/30/67	9.10	762	1				
6/ 1/67	7.48	507	1				
8/27/67	11.98	1,300	1				
12/14/67	10.70	1,050	3				
1/ 9/68	8.95	738	3				
3/11/68	7.75	546	1				
4/13/68	9.96	913	1				
8/11/68	8.88	727	1				
12/ 1/68	7.64	530	1				
7/19/69	10.95	1,090	1				
10/ 7/69	9.18	775	7				
10/12/70	15.12	1,990	6				
5/ 7/71	7.57	520	1				
9/ 4/71	10.03	925	3				
9/16/71	9.58	844	2				
12/ 6/71	8.16	612	2				
1/ 9/72	9.59	846	2				
3/ 2/72	11.32	1,160	2				
3/28/72	7.72	541	2				
7/27/72	7.89	568	2				
12/20/72	7.80	554	2				
3/24/73	12.27	1,350	2				

# HOMOCHITTO RIVER BASIN

7-2912.60 Beaver Run near McCall Creek, Miss.

Location.--Lat 31°30'30", long 90°43'10" in NW¼NE¼ sec. 8, T.6 N., R. 5 E., at a 14x14-foot box culvert on U.S. Highway 84, 1.4 miles west of McCall Creek in Franklin County.

Gage and history.--Digital-punch tape recorders. Prior to April 28, 1965, crest-stage gage at same site and datum.

Basin parameters.--D.A. = 2.61 sq mi; L = 3.41 mi; H = 222 ft;  $\bar{S}$  = .009; M = .90; CN = 70.

Type of flow.--Type I.

Remarks.--Annual peaks only prior to April 1965; all peaks above 100 cfs thereafter.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
4/12/55	a8.72	874	2	12/21/72	5.35	322	1
1956	none	--	-	12/22/72	5.13	291	1
6/28/57	--	b441	2	3/24/73	9.06	905	1
1958	--	b340	2				
6/12/59	--	b297	2				
12/17/59	--	b210	2				
3/28/61	9.04	910	2				
4/12/62	4.86	267	2				
1/19/63	6.28	468	2				
4/26/64	4.63	221	2				
10/ 4/64	5.60	447	2				
9/11/65	6.89	554	1				
1/ 5/66	3.35	56	1				
2/10/66	3.35	56	1				
2/11/66	3.75	98	1				
2/15/66	4.44	195	1				
4/26/66	9.70	1,020	1				
10/ 9/66	3.70	91	3				
5/ 4/67	3.75	98	1				
12/18/67	3.48	67	2				
1/ 9/68	4.33	179	2				
4/13/68	7.29	614	1				
5/17/68	3.35	56	1				
3/16/69	4.35	182	1				
4/13/69	4.80	245	3				
8/11/70	2.99	27	1				
3/19/71	4.33	179	1				
3/29/71	3.94	125	1				
12/ 6/71	7.35	623	1				
1/10/72	4.52	206	3				

a Floodmark

b Estimated

# HOMOCHITTO RIVER BASIN

7-2944 Observer's Draw near Doloroso, Miss.

Location.--Lat 31°19'10", long 91°21'20", between secs. 10 and 22, T.4 N., R. 2 W., at a 6x6-foot box culvert on U.S. Highway 61, 1.3 miles north of Doloroso, in Wilkinson County.

Gage and history.--Digital punch-tape recorders. Prior to May 18, 1965, crest-stage gage. May 18, 1965 to Sept. 22, 1971, circular-chart recorders, all at same site and datum.

Basin parameters.--D.A. = 0.22 sq mi; L = 1.14 mi; H = 255 ft;  $\bar{S}$  = .029; M = .79; CN = 63.

Type of flow.--Type I.

Remarks.--Annual peaks only prior to May 1965, all peaks above 100 cfs thereafter.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
5/ 3/54	a7.01	200	2	3/ 2/72	5.80	132	2
4/12/55	a9.78	387	2	2/ 1/73	5.75	130	1
1956	none	--	-	3/ 6/73	7.64	238	1
9/27/57	6.27	161	2	3/24/73	8.00	260	1
4/ 9/58	5.27	131	2				
1959	none	--	-				
12/17/59	5.65	139	2				
3/17/61	10.10	418	2				
1/15/62	5.65	139	2				
1/19/63	9.96	409	2				
3/ 2/64	5.40	112	2				
2/17/65	5.30	107	2				
2/ 9/66	5.83	134	3				
2/12/66	5.56	120	3				
4/14/66	5.95	140	3				
4/21/66	8.19	273	2				
4/26/66	7.17	210	2				
6/ 1/67	5.60	122	6				
12/14/67	5.36	110	1				
5/ 8/69	7.20	212	1				
7/10/69	6.18	151	1				
7/19/69	8.82	317	1				
7/23/69	9.69	380	5				
10/ 7/69	7.17	210	2				
12/30/69	5.47	116	2				
6/24/70	7.35	221	1				
2/26/71	6.18	151	1				
12/ 6/71	5.49	116	2				
1/ 9/72	7.22	213	3				

a Floodmark

# MISSISSIPPI RIVER BASIN

7-3735.50 Moore's Branch near Woodville, Miss.

Location.--Lat 31°05'20", long 91°14'30", in SE¼SW¼SW¼ sec. 32, T.2 N., R. 1 W., at a 6x6-foot box culvert on State Highway 24, 3.3 miles east of Woodville, in Wilkinson County.

Gage and history.--Crest-stage gage. Prior to May 18, 1965, crest-stage gage. May 18, 1965, to Sept. 28, 1971, circular chart recorder, all at same site and datum.

Basin parameters.--D.A. = 0.21 sq mi; L = 0.65 mi; H = 48 ft;  $\bar{S}$  = .011; M = 1.30; CN = 72.

Type of flow.--Type I.

Remarks.--Annual peaks only prior to May 1965; all peaks above 100 cfs thereafter.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
4/12/55	a9.44	416	2				
1956	none	--	-				
12/22/56	3.14	100	2				
11/13/57	4.98	200	2				
7/24/59	3.89	138	2				
12/17/59	4.58	178	2				
3/17/61	5.05	206	2				
11/13/61	7.26	353	2				
1/20/63	6.25	260	2				
3/ 2/64	5.10	202	2				
3/ 1/65	4.84	193	2				
9/10/65	4.65	182	1				
2/10/66	4.12	150	3				
4/21/66	3.41	114	2				
9/18/66	4.65	182	1				
4/13/67	4.02	144	1				
4/14/67	5.58	241	3				
5/ 1/67	4.02	144	1				
5/25/68	4.03	145	7				
6/ 7/68	5.65	246	1				
12/ 1/68	2.40	66	1				
6/ 2/70	3.54	120	1				
4/21/71	3.23	104	7				
9/16/71	3.33	110	1				
3/ 2/72	7.08	346	2				
12/ 5/72	6.03	272	2				
12/20/72	5.22	216	2				
3/24/73	9.90	455	2				

a Floodmark



# MISSISSIPPI RIVER DELTA

7-3752.35 Tangipahoa River Trib. near McComb, Miss.

Location.--Lat 31°12'30", long 90°31'40" in NE¼SE¼ sec. 19, T.3 N., R. 7 E., at a double 10x6-foot box culvert on State Highway 24, 4.8 miles southwest of McComb, in Pike County.

Gage and history.--Crest-stage gage. June 21, 1965, to Sept. 28, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. =2.71 sq mi; L =2.51 mi; H = 95 ft;  $\bar{S}$  =.007; M = 1.21; CN = 69.

Type of flow.--Type III.

Remarks.--All peaks above 100 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
1/ 4/66	a5.24	120	1	3/18/71	5.48	155	2
2/15/66	6.33	224	1	5/12/71	4.78	205	5
2/26/66	4.26	110	2	5/20/71	4.70	122	1
5/19/66	4.26	175	1	6/ 4/71	5.42	205	6
9/18/66	4.21	170	1	9/16/71	7.05	522	3
4/14/67	7.60	648	1	12/ 6/71	6.61	424	2
5/ 1/67	6.10	318	4	12/17/71	4.80	132	2
5/ 4/67	5.09	163	1	1/ 4/72	4.82	134	2
8/25/67	3.71	117	2	3/ 2/72	5.28	186	2
4/ 8/68	7.62	653	5	5/ 7/72	5.82	220	2
4/23/68	5.20	130	1	5/12/72	5.69	195	2
4/29/68	3.71	140	3	12/ 5/72	5.57	420	2
5/10/68	6.57	415	5	12/20/72	5.73	285	2
5/17/68	5.03	130	3	3/24/73	10.23	1,460	2
3/23/69	5.45	209	1	3/30/73	5.30	135	2
4/13/69	5.89	190	7				
5/ 8/69	5.05	158	3				
10/ 7/69	4.03	145	1				
12/ 6/69	5.11	165	1				
3/ 3/70	3.77	145	3				
4/11/70	4.13	200	1				
6/ 2/70	3.92	165	1				
6/24/70	5.21	215	1				
7/10/70	4.59	180	1				
7/21/70	4.70	189	5				
8/ 6/70	6.19	336	1				
8/30/70	3.99	155	1				
10/12/70	4.79	200	3				
11/13/70	3.78	150	1				
12/15/70	4.99	130	2				
2/12/71	5.50	216	3				
3/ 2/71	5.50	216	3				

a Floodmark



# MISSISSIPPI RIVER BASIN

7-3766.65 Stock Pond Draw near Liberty, Miss.

Location.--Lat 31°10'15", long 90°45'20", in NW¼SE¼NE¼ sec. 1, T. 2 N., R. 4 E., at a 10x6-foot box culvert on State Highway 24, 3.4 miles east of Liberty, in Amite County.

Gage and history.--Digital punch-tape recorders. June 9, 1965, to Sept. 22, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 0.38 sq mi; L = 1.17 mi; H = 83 ft;  $\bar{S}$  = .012; M = .99; CN = 78.

Type of flow.--Type I.

Remarks.--All peaks above 50 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
4/12/55	a7.46	358	2	11/13/70	3.85	56	2
10/ 4/64	a5.52	175	2	12/29/70	3.90	59	2
1/ 4/66	3.86	57	1	5/24/71	4.88	126	1
2/10/66	4.83	122	1	7/ 2/71	3.83	55	1
2/12/66	4.51	100	5	9/16/71	6.86	297	5
2/16/66	5.27	155	1	12/ 2/71	4.31	86	1
4/ 2/66	4.21	79	1	12/ 6/71	5.28	155	5
4/26/66	4.10	71	3	12/ 6/71	4.91	128	5
4/14/67	5.18	147	1	2/ 6/72	4.17	76	1
5/ 1/67	4.97	132	3	3/ 2/72	4.91	128	1
5/ 4/67	4.74	116	1	3/ 8/72	4.70	113	1
4/ 8/68	3.81	54	3	5/ 2/72	3.83	55	1
4/13/68	4.83	122	3	5/ 7/72	4.14	74	1
4/23/68	3.75	50	3	5/ 7/72	4.05	68	1
5/ 9/68	3.90	59	3	5/12/72	5.35	161	1
5/17/68	3.82	54	3	9/27/72	3.87	57	1
6/ 7/68	4.19	77	3	12/20/72	4.92	128	1
6/21/68	4.66	118	3	2/ 1/73	4.69	112	1
11/30/68	4.47	97	3	2/14/73	4.17	76	1
2/ 2/69	4.27	83	1	3/11/73	3.97	63	1
2/21/69	4.10	71	3	3/16/73	4.44	95	1
3/23/69	3.81	54	3	3/24/73	7.82	394	5
4/ 5/69	4.20	78	1	3/30/73	3.80	53	1
4/13/69	7.27	338	5				
5/ 5/69	4.50	99	1				
5/ 8/69	5.25	153	3				
12/ 6/69	3.97	63	3				
12/25/69	3.97	63	7				
2/ 2/70	3.78	52	3				
6/24/70	4.80	120	3				
8/30/70	4.54	102	7				
10/12/70	4.16	75	2				

# MISSISSIPPI RIVER BASIN

7-3767.60 CRS Draw near Liberty, Miss.

Location.--Lat 31°06'50", long 90°54'10", in SW¼NW¼NW¼, sec. 32, T.2 N., R.3 E., at a 10x8-foot box culvert on State Highway 48, 6.6 miles west of junction of Highways 48 and 24 in Liberty, in Amite County.

Gage and history.--Crest-stage gage. June 9, 1965, to Sept. 28, 1971, circular-chart recorder at same site and datum.

Basin parameters.--D.A. = 0.80 sq mi; L = 1.33 mi; H = 68 ft;  $\bar{S}$  = .009; M = 1.24; CN = 74.

Type of flow.--Type III below about 3½ feet.

Remarks.--All peaks above 125 cfs listed.

## Peak stages and discharges

Date	Stage (ft)	Discharge (cfs)	Available data	Date	Stage (ft)	Discharge (cfs)	Available data
4/12/55	9.93	720	2	3/ 2/71	5.34	192	3
10/ 4/64	8.13	487	2	5/20/71	5.33	162	3
8/ 8/65	4.89	180	1	7/ 2/71	4.54	133	1
9/10/65	4.92	159	1	7/29/71	4.97	163	5
1/ 4/66	4.49	130	3	9/16/71	8.43	526	5
2/10/66	6.66	285	1	12/ 6/71	8.32	512	2
2/12/66	5.50	180	5	3/ 2/72	5.44	200	2
2/16/66	5.83	207	3	5/12/72	6.44	294	2
4/21/66	4.69	143	3	12/ 5/72	5.48	180	2
1/13/67	4.59	136	2	12/20/72	6.42	292	2
4/14/67	9.39	656	3	3/24/73	10.17	764	2
5/ 1/67	7.52	412	3				
5/ 4/67	6.12	262	1				
1/ 9/68	5.68	221	2				
4/13/68	4.58	136	1				
4/23/68	4.67	142	1				
4/28/68	5.82	234	1				
5/ 9/68	5.76	228	1				
6/ 7/68	7.31	387	1				
7/22/68	4.73	146	1				
2/ 2/69	5.36	222	1				
2/21/69	6.02	285	3				
3/23/69	4.91	178	3				
4/13/69	7.90	458	5				
5/ 8/69	5.50	205	1				
12/ 6/69	5.55	210	2				
1/ 5/70	6.43	293	2				
10/12/70	4.66	141	1				
2/12/71	4.43	127	3				
2/21/71	4.58	136	3				
2/26/71	5.72	183	3				

a Floodmark

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U.S. Geol. Survey open-file report.

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1957, U.S. Soil Conservation Service manual, section 4  
(hydrology)

## APPENDIX

### SYMBOLS

- A = area, in square feet, of flow at section designated by subscript.
- $A_0$  = area of culvert barrel; the area between barrels is excluded in multi-barrel box culverts.
- $A_c$  = area of section of flow at critical depth.
- C = coefficient of discharge.
- D = maximum inside vertical dimension, in feet, of culvert barrel, or the inside diameter of circular section. For corrugated pipes, D is measured as the minimum inside diameter of the pipe.
- $d_c$  = critical depth, in feet, measured to lowest point in cross section.
- g = acceleration of gravity = 32.16 ft per sec per sec.
- h = height, in feet, of average piezometric head at any section above the invert of the culvert at the downstream end. Piezometric head or height, in general, is equivalent to pressure head plus elevation; for uniform flow in open channels, it is equivalent to the elevation of the water surface. In zones of rapid acceleration, the average piezometric height may not be equivalent to the water surface.
- $h_c$  =  $d_c$  Z, for type I flow.
- $h_f$  = head loss, in feet, due to friction;  $h_{f1.2}$  is the head loss due to friction between section 1 and section 2 and =  $(L_w(Q^2/K_1K_2))$ .
- L = length, in feet, of the culvert barrel. For mitered pipe, the shortest length is used when pipe is full.
- $L_w$  = distance, in feet, from approach section to the entrance of the culvert. The top of the pipe is used as the entrance point for mitered pipe when pipe is full.
- n = Manning's roughness coefficient.
- Q = discharge, in cubic feet per second.
- $R_0$  = hydraulic radius of culvert barrel.
- $S_0$  = bed slope of culvert barrel, ft per ft.
- $S_c$  =  $\frac{Q^2}{K_c^2}$  = bed slope of culvert for which the normal depth and the critical depth are equal.
- $\frac{V^2}{2g}$  = velocity head, in feet.

- $z$  =  $S_o L$  = elevation, in feet, of a point above a base.
- $\alpha$  = velocity head coefficient.
- $<$  = less than
- $\leq$  = equal to or less than.
- $>$  = greater than.
- $\geq$  = equal to or greater than.

Subscripts 1, 2, 3, and 4 denote location of section. Section 1 is the approach section, section 2 is the culvert barrel at the entrance, section 3 is the culvert barrel at the outlet, and section 4 is just downstream from the culvert outlet.

