

# ANNUAL PEAK STAGES AND DISCHARGES FOR STREAMFLOW-GAGING STATIONS IN MISSISSIPPI

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U.S. GEOLOGICAL SURVEY

Water-Resources Investigations Report 91-4098



*Prepared in cooperation with the*

MISSISSIPPI STATE HIGHWAY DEPARTMENT

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By K. Van Wilson, Jr. and Mark N. Landers

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Jackson, Mississippi  
1991

**U.S. DEPARTMENT OF THE INTERIOR  
MANUEL LUJAN, JR., Secretary**

**U.S. GEOLOGICAL SURVEY  
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## CONVERSION FACTORS AND VERTICAL DATUM

<u>Multiply</u>	<u>By</u>	<u>To obtain</u>
foot (ft)	0.3048	meter
mile (mi)	1.609	kilometer
foot per mile (ft/mi)	0.018939	meter per kilometer
square mile (mi <sup>2</sup> )	2.590	square kilometer
cubic foot per second (ft <sup>3</sup> /s)	0.02832	cubic meter per second

**Sea Level:** In this report "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment of the first-order level nets of the United States and Canada, formerly called Sea Level Datum of 1929.

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## ABSTRACT

*Knowing the magnitude and frequency of floods on a regional basis does not always meet all the needs for flood information. It is often helpful to know at-site peak stages and discharges; such information can provide a better understanding of the hydraulic and hydrologic characteristics of flooding at a particular stream site. Annual peak stages and discharges are presented in this report for 341 streamflow-gaging stations in Mississippi. Gage location, type of gage, gage datum, basin characteristics (drainage area, slope, and length), statistics of logarithms of annual peak discharge (mean, standard deviation, and skew), and selected flood-frequency discharges with recurrence intervals from 2 to 500 years are also presented, if available.*

## INTRODUCTION

The magnitude and frequency of floods are key factors in the design of bridges, highway embankments, culverts, levees, dams, and other structures near streams. Effective flood-plain management and the determination of flood insurance rates also require information on the magnitude and frequency of floods. Knowing the magnitude and frequency of floods does not always meet all the needs for flood information. It is often helpful to know at-site peak stages and discharges; such information can provide a better understanding of the hydraulic and hydrologic characteristics of flooding at a particular stream site.

The Mississippi State Highway Department recognizes the need for adequate flood peak data for the safe, efficient design of drainage structures and roadways in Mississippi. Because of this need, the U.S. Geological Survey, in cooperation with the Mississippi State Highway Department, has compiled the peak stage and discharge data and descriptive statistics, if possible, for 341 streamflow-gaging stations in Mississippi through the 1988 water year. A water year, which is a 12-month period from October 1 to September 30, is designated by the calendar year in which it ends. Thus, the 12-month period ending September 30, 1988, is called the 1988 water year. This report supersedes the flood records published by Wilson and Trotter (1961).

### Purpose and Scope

This report presents annual peak stages and discharges for 341 streamflow-gaging stations in Mississippi (fig. 1). Landers and Wilson (1991) presented flood-frequency information for 313 of these stations and used data from 271 of these stations and from 17 stations in adjoining states to develop regional flood-frequency equations for rural streams in Mississippi. Gage location, type of gage, gage datum, basin characteristics (drainage area, slope, and length), statistics of logarithms of annual peak discharge (mean, standard deviation, and skew), and flood-frequency discharges with selected recurrence intervals from 2 to 500 years are presented, if available.



## **Acknowledgments**

This report is made possible by the cooperation of the Mississippi State Highway Department. The U.S. Army Corps of Engineers, and other State and local agencies are also acknowledged for their cooperation in the collection of much of the data.

## **FLOOD-FREQUENCY ANALYSES OF ANNUAL PEAK DISCHARGE DATA**

Peak stage and discharge data are presented for five different types of gaging stations. For this report, gaging stations were categorized as: (1) continuous-discharge, where daily mean stage and discharge are determined; (2) continuous-stage, where daily mean stage and selected peak discharges are determined; (3) crest-stage, where only the annual peak stage and discharge above a selected threshold are determined; (4) crest-stage partial-record, where stage and discharge hydrographs above a selected threshold are determined, and (5) nonrecording, where only intermittent gage heights and discharges are obtained. Of the 341 gaging stations presented, 108 are continuous-discharge stations, 23 are continuous-stage stations, 191 are crest-stage stations, 4 are crest-stage partial-record stations, and 15 are nonrecording stations. For nonrecording stations, the peak stages were obtained from gage readings or from surveys of flood marks. These numbers reflect the status of the gaging stations in 1988; the gage type at many of these stations has been changed.

Floods of unusually large magnitude often occur at a site at a time when systematic records are not being obtained from a streamflow gage. In this report, evidence of the occurrence of unusually large floods was obtained from newspaper files, old records of stage, local historical records, diaries, and from individual accounts of the flood. This flood information, referred to as historical data in this report, was used at a site to extend the record of the largest events to a historical period much longer than that of the systematic record. Historical data are available for about 40 percent of the sites having 10 or more years of systematic record.



The following drainage basin characteristics, if available, are presented for each station: 1) drainage area, in square miles, as determined from topographic maps; 2) channel slope, in feet per mile, defined as the difference in altitude between points located at 10 and 85 percent of the main channel length divided by the channel length between the two points as determined from topographic maps; and 3) main-channel length, in miles, from the point of discharge to the drainage divide as measured in 0.1-mile increments on topographic maps. At a stream junction the branch draining the largest area is considered the main channel.

### Statistical Characteristics

Statistical methods of analysis are well suited to the random nature of annual flooding. Statistical methods may be used to estimate flood frequency from a sample of recorded annual peak discharges at a stream site using the assumption that the recorded sample represents the population of all the recorded and unrecorded annual peak discharges. The Interagency Committee on Water Data (IACWD, 1982) recommends that the Pearson Type III distribution be used as the probability model for log-transformed annual peak-discharge data. The Pearson Type III distribution requires estimates of the population mean, standard deviation, and skew at a site. These three statistical parameters were determined for 317 of the 341 stations in this report following procedures described by Landers and Wilson (1991). Only the mean for regulated conditions was determined for five regulated stations at (or) near flood-control reservoirs, as requested by the U.S. Army Corps of Engineers, Vicksburg District. No statistics were computed for the remaining 19 stations because of insufficient record.

### Station Flood-Frequency Estimates

At 305 of the 341 gaging stations, flood-frequency estimates from records of annual peak discharge were computed by fitting the three parameter Pearson Type III distribution to the sample of log-transformed annual peak discharges, as recommended by the IACWD (1982). All of the 305 stations had a minimum of 10 years of record except for 6 stations, which had a minimum of 5 years of record. Only small recurrence interval floods are presented for

these six stations because of the short period of record. The regional unbiased map skew developed by Landers (1989) was used with the biased station skew to provide a weighted estimate of population skew. Computations were made using U.S. Geological Survey computer program J407, "Annual Flood Frequency Analysis Using WRC Guidelines" (Lepkin and others, 1981).

Stream basins were reviewed to determine if the basins were modified (significantly affected by regulation, channelization, or urbanization) which may violate the stationary time series assumption and make the station unrepresentative of regional flood-frequency characteristics. Data from 50 gaging stations in basins that were modified during the period of record were analyzed to determine the effect of the modifications on annual peak-discharge records. Of these 50 stations, 21 stations were in place prior to substantial modifications. For each of these 21 stations, the period of record prior to substantial modification was used by Landers and Wilson (1991) to expand the natural, regional data base. Flood-frequency estimates for current-modified conditions, based on records of annual peak discharge, are presented for 9 of these 21 stations. For the remaining 12 stations, flood-frequency estimates at 5 stations for current-modified conditions were not determined because of insufficient record, and flood-frequency estimates for 7 stations on the Tombigbee River, which is currently affected by the Tennessee-Tombigbee Waterway, were determined by the U.S. Army Corps of Engineers, Mobile District.

### **Regional Flood-Frequency Estimates**

Regionalization procedures are necessary to transfer flood-characteristic information from gaged sites having 10 or more years of systematic record to gaged sites with less than 10 years of systematic record, and to ungaged sites. Regional flood-frequency estimates improve the accuracy at a gaged site by weighting with station estimates, assuming the station record estimate is independent of the regional estimate. Regionalization procedures generally define relations between flood-frequency characteristics and explanatory drainage basin variables for gaged streams, which are representative of similar streams in a specific class or region. Regional flood-frequency estimates are presented for 270 gaging stations in this report. These flood-

frequency estimates were determined using techniques described by Landers and Wilson (1991). No regional estimates are presented for 35 stations where station estimates from records of annual peak discharge are presented because the regional estimate was not considered representative of the station.

### **Weighted Flood-Frequency Estimates**

If two independent estimates of flood frequency are weighted inversely proportional to their variance (square of standard error of estimate), the variance of the weighted estimate is less than the variance of either estimate (IACWD, 1982). The regional flood-frequency estimates developed in this investigation are assumed to be independent of the station flood-frequency estimates. For 255 gaging stations, the regional and station flood-frequency estimates were weighted inversely proportional to their respective variances, as described by Landers and Wilson (1991), to obtain a best estimate of flood-frequency at each station in accordance with Appendix 8 of Bulletin 17B (IACWD, 1982). No weighted estimates are presented for 15 stations where regional estimates are presented because of insufficient record for determining station estimates.

### **Accuracy of Flood-Frequency Estimates**

"Streamflow characteristics can only be estimated; their true value can never be determined because there is a time-sampling error in every record of streamflow and a model error in every analytical method" (Hardison, 1969). It is important to evaluate the error associated with a given flood estimate because of the large range of accuracy that may be obtained in flood estimates using different methods. A measure of the accuracy or error of a flood estimate is necessary to evaluate the confidence with which it should be used, to compare and select methods of estimation, and to serve as a basis for risk analysis.

The standard error of estimate is an indicator of the accuracy of a flood-frequency estimate. It is the square root of the variance of estimate about the unknown, true value being estimated. When errors are normally distributed, about two-thirds of the estimates are expected to lie within one standard error

greater than or less than the true value. Ninety-five percent of the estimates are expected to be within two standard errors greater than or less than the true value. In this report, standard error is reported as a percentage of the true value being estimated. Thus, if a 10-year flood of magnitude  $1,000 \text{ ft}^3/\text{s}$  has a standard error of 30 percent, the true value would be expected to be between about 700 and  $1,300 \text{ ft}^3/\text{s}$  about two-thirds of the time.

Station flood-frequency estimates from peak-discharge records may contain errors due to: (1) any systematic measurement or computational errors; (2) use of an unrepresentative population probability distribution; or (3) uncertainty in estimation of the population parameters defining the frequency distribution (time-sampling errors). The first source of error is addressed by quality assurance procedures in the data collection, computation, and review process. These errors generally are small and, in fact, non-systematic. The second source of error exists because the population of flood discharges defies consistent, precise representation by any frequency distribution. The third source of error lies in the estimation of population frequency distribution parameters using the sample data. This time-sampling error is assumed to be large, compared to the other two sources of error discussed. Time-sampling error is the only error quantified in the standard error of a station flood-frequency estimate from peak-discharge records for a recurrence interval (T). The standard error of the T-year flood estimate is the sum of errors in the estimation of the mean, the standard deviation, and the skew of the Pearson Type III distribution from the logarithms of annual peak discharge for a given site. The standard time-sampling error is a function of the slope of the frequency curve (sample standard deviation), the estimated skew, the recurrence interval (T) being estimated, and the record length as a measure of how representative the sample may be of the population of annual peak discharges. Methods of computing the standard (time-sampling) error have been presented by various authors [Bobee (1973), Hardison (1971), and Kite (1988)]. This report uses the method described by Kite (1988) to compute the time-sampling errors for station flood-frequency estimates.

Where the annual peak discharge record at a gage includes historical record, the length of record requires evaluation to determine an effective record length for use in assessing accuracy. For a given recurrence interval,

the effective record length is the number of years of systematic data that would produce the same standard error as a given combination of historical and systematic data (Stedinger and Cohn, 1986). If historical record is not available, the effective record length would be the same as the systematic record length. The effective record length obtained from the contribution of historical record is required for computing the standard error of station flood-frequency estimates and for weighting station estimates in regional flood-frequency analyses. Effective record length for stations having historical records was based on results of Monte Carlo simulations by Stedinger and Cohn (1986), which were provided in a sub-routine of the generalized-least-squares regression model by Tasker and Stedinger (1989). The effective record length, used to compute the standard error of the station estimate, was determined for 305 gaging stations.

The standard error of the station estimate was combined, if applicable, with the error of prediction of the regional estimate [determined by Landers and Wilson (1991)] to compute the standard error of the weighted estimate, in accordance with Appendix 8 of Bulletin 17B (IACWD, 1982). The standard error, in percent, is presented for the station, regional, and weighted flood-frequency estimates. The extreme recurrence intervals of 100, 200, and 500 years are presented in this report because of current design standards being required for flood-plain management; the standard error of estimate for these extreme floods may be larger than what is presented in this report.

## **ANNUAL PEAK STAGE AND DISCHARGE DATA FOR STREAMFLOW-GAGING STATIONS**

Peak stages and discharges for 341 streamflow-gaging stations in Mississippi are presented in the following section. The stations are listed by site number as shown in figure 1 and station number in table 1. The meaning of footnotes is consistent throughout to maintain continuity and to avoid confusion.

**Table 1. *Index of gaging stations***

Site no.	Station no.	Station name	Page
1	02429900	Big Brown Creek near Booneville, MS	22
2	02429949	Little Brown Creek near New Site, MS	24
3	02429980	Pollard Mill Branch at Paden, MS	26
4	02430000	Mackeys Creek near Dennis, MS	28
5	02430012	Mackeys Creek below Bay Springs Lock and Dam, MS	30
6	02430038	Rock Creek near Belmont, MS	32
7	02430085	Red Bud Creek near Moores Mill, MS	34
8	02430100	Mackeys Creek near Moores Mill, MS	36
9	02430500	Tombigbee River near Marietta, MS	38
10	02430615	Mud Creek near Fairview, MS	40
11	02430680	Twentymile Creek near Guntown, MS	42
12	02430880	Cummings Creek near Fulton, MS	44
13	02431000	Tombigbee River near Fulton, MS	46
14	02431500	Tombigbee River at Beans Ferry near Fulton, MS	48
15	02432500	Bull Mountain Creek at Tremont, MS	50
16	02432900	Red Boot Creek near Fulton, MS	52
17	02433000	Bull Mountain Creek near Smithville, MS	54
18	02433500	Tombigbee River at Bigbee, MS	56
19	02433530	Burkett Creek at Amory, MS	58
20	02434000	Town Creek at Tupelo, MS	60
21	02434250	Tishomingo Creek near Saltillo, MS	62
22	02434500	Euclautubba Creek at Saltillo, MS	64
23	02435000	Mud Creek at Tupelo, MS	66
24	02435012	Truck Stop Ditch near Tupelo, MS	68
25	02435020	Town Creek at Eason Boulevard at Tupelo, MS	70
26	02435300	Cow Pike Pass near Tupelo, MS	72
27	02435400	Clear Branch near Tupelo, MS	74
28	02435500	Town Creek near Verona, MS	76
29	02435800	Coonewah Creek at Shannon, MS	78
30	02435920	Cotton Gin Branch near Tupelo, MS	80

**Table 1. *Index of gaging stations*--Continued**

Site no.	Station no.	Station name	Page
31	02435930	Shell Creek near Tupelo, MS	82
32	02436000	Chiwapa Creek at Shannon, MS	84
33	02436500	Town Creek near Nettleton, MS	86
34	02437000	Tombigbee River near Amory, MS	88
35	02437300	Mattubby Creek near Aberdeen, MS	90
36	02437500	Tombigbee River at Aberdeen, MS	92
37	02437550	Nichols Creek tributary near Quincy, MS	94
38	02437600	James Creek at Aberdeen, MS	96
39	02439400	Buttahatchee River near Aberdeen, MS	98
40	02439500	Buttahatchee River near Caledonia, MS	100
41	02439800	Cowbell Creek near Houlka, MS	102
42	02439980	Chuquatonchee Creek near Okalona, MS	104
43	02439997	Chuquatonchee Creek tributary near Trebloc, MS	106
44	02440000	Chuquatonchee Creek near Egypt, MS	108
45	02440400	Houlka Creek near McCondy, MS	110
46	02440500	Chuquatonchee Creek near West Point, MS	112
47	02440600	Line Creek near Maben, MS	114
48	02440800	Trim Cane Creek near Starkville, MS	116
49	02441000	Tibbee Creek near Tibbee, MS	118
50	02441220	Sand Creek tributary near Mayhew, MS	120
51	02441300	Catalpa Creek at Mayhew, MS	122
52	02441390	Tombigbee River at Columbus Lock and Dam, MS	124
53	02441500	Tombigbee River at Columbus, MS	126
54	02443000	Luxapallila Creek at Steens, MS	128
55	02443500	Luxapallila Creek near Columbus, MS	130
56	02443605	Mayo Slough tributary near Columbus, MS	132
57	02443700	Cedar Creek near Brooksville, MS	134
58	02447220	Bogue Fallah tributary near Ackerman, MS	136
59	02447280	Lawson Branch near Betheden, MS	138
60	02447340	Cypress Creek tributary at Bradley, MS	140

Table 1. *Index of gaging stations--Continued*

Site no.	Station no.	Station name	Page
61	02447500	Noxubee River near Brooksville, MS	142
62	02447800	Hashuqua Creek near Macon, MS	144
63	02448000	Noxubee River at Macon, MS	146
64	02448620	Flat Scooba Creek tributary near Scooba, MS	148
65	02467100	Hamilton Branch near Dekalb, MS	150
66	02469672	Little Okatubba Creek near Quitman, MS	152
67	02471100	Leaf River near Raleigh, MS	154
68	02471250	Leaf River near Taylorsville, MS	156
69	02471500	Oakohay Creek at Mize, MS	158
70	02472000	Leaf River near Collins, MS	160
71	02472160	Big Creek tributary near Laurel, MS	162
72	02472420	Bouie Creek near Sanford, MS	164
73	02472500	Bouie Creek near Hattiesburg, MS	166
74	02472700	Okatoma Creek tributary at Mt. Olive, MS	168
75	02472810	Okatoma Creek tributary no.2 near Collins, MS	170
76	02473000	Leaf River at Hattiesburg, MS	172
77	02473047	Gordon Creek at Hattiesburg, MS	174
78	02473460	Tallahala Creek at Waldrup, MS	176
79	02473480	Tallahattah Creek near Waldrup, MS	178
80	02473498	Tallahala Creek tributary at Laurel, MS	180
81	02473500	Tallahala Creek at Laurel, MS	182
82	02473610	Tallahala Creek tributary no.2 at Laurel, MS	184
83	02473850	Tallahoma Creek tributary at Lake Como, MS	186
84	02474000	Tallahoma Creek near Laurel, MS	188
85	02474500	Tallahala Creek near Runnelstown, MS	190
86	02474560	Leaf River near New Augusta, MS	192
87	02474600	Bogue Homo near Richton, MS	194
88	02474650	Buck Creek near Runnelstown, MS	196
89	02474740	Leaf River at Beaumont, MS	198
90	02475000	Leaf River near McLain, MS	200



Table 1. *Index of gaging stations*--Continued

Site no.	Station no.	Station name	Page
91	02475050	Waterfall Branch near McLain, MS	202
92	02475220	Little Rock Creek tributary near Little Rock, MS	204
93	02475350	Tarlow Creek near Newton, MS	206
94	02475500	Chunky River near Chunky, MS	208
95	02475700	Chunky Creek near Enterprise, MS	210
96	02476000	Okatibbee Creek near Meridian, MS	212
97	02476500	Sowashee Creek at Meridian, MS	214
98	02476600	Okatibbee Creek at Arundel, MS	216
99	02477000	Chickasawhay River at Enterprise, MS	218
100	02477050	Souenlovie Creek near Baxter, MS	220
101	02477090	Powers Creek near Rose Hill, MS	222
102	02477100	Souenlovie Creek near Pachuta, MS	224
103	02477150	Pachuta Creek at Pachuta, MS	226
104	02477190	Chickasawhay River near Quitman, MS	228
105	02477330	Shubuta Creek near Shubuta, MS	230
106	02477350	Chickasawhay River at Shubuta, MS	232
107	02477500	Chickasawhay River near Waynesboro, MS	234
108	02477990	Buckatunna Creek near Denham, MS	236
109	02478000	Buckatunna Creek at Denham, MS	238
110	02478500	Chickasawhay River at Leakesville, MS	240
111	02478600	Granny Branch at Piave, MS	242
112	02479000	Pascagoula River at Merrill, MS	244
113	02479040	Big Creek near Lucedale, MS	246
114	02479094	Blown Pine Creek near Hattiesburg, MS	248
115	02479100	Black Creek near Purvis, MS	250
116	02479130	Black Creek near Brooklyn, MS	252
117	02479138	Walls Creek tributary near Brooklyn, MS	254
118	02479140	Walls Creek near Brooklyn, MS	256
119	02479155	Cypress Creek near Janice, MS	258
120	02479160	Black Creek near Wiggins, MS	260

**Table 1. *Index of gaging stations--Continued***

Site no.	Station no.	Station name	Page
121	02479165	Mosquito Branch at Benndale, MS	262
122	02479170	Black Creek near Benndale, MS	264
123	02479180	Red Creek at Lumberton, MS	266
124	02479187	Red Creek tributary near Wiggins, MS	268
125	02479190	Red Creek near Wiggins, MS	270
126	02479200	Flint Creek near Wiggins, MS	272
127	02479260	Bluff Creek tributary near Whites Crossing, MS	274
128	02479300	Red Creek at Vestry, MS	276
129	02479560	Escatawpa River near Agricola, MS	278
130	02479600	Escatawpa River near Hurley, MS	280
131	02480250	Bluff Creek near Vancleave, MS	282
132	02480500	Tuxachanie Creek near Biloxi, MS	284
133	02481000	Biloxi River at Wortham, MS	286
134	02481130	Biloxi River near Lyman, MS	288
135	02481150	Biloxi River near Loraine, MS	290
136	02481400	Wolf River near Poplarville, MS	292
137	02481450	Murder Creek near Poplarville, MS	294
138	02481500	Wolf River at Lyman, MS	296
139	02481505	Mill Creek tributary near Lizana, MS	298
140	02481510	Wolf River near Landon, MS	300
141	02481570	Catahoula Creek near Santa Rosa, MS	302
142	02481670	Bayou La Croix near Clermont Harbor, MS	304
143	02481810	Talahaga Creek near Noxapater, MS	306
144	02481840	Noxapater Creek near Noxapater, MS	308
145	02481880	Pearl River at Burnside, MS	310
146	02481900	Coonshuck Creek tributary near House, MS	312
147	02482000	Pearl River at Edinburg, MS	314
148	02482100	Indian Branch near Edinburg, MS	316
149	02482310	Lobutchka Creek tributary at Wamba, MS	318
150	02482500	Lobutchka Creek near Carthage, MS	320

**Table 1. *Index of gaging stations--Continued***

Site no.	Station no.	Station name	Page
151	02482550	Pearl River near Carthage, MS	322
152	02482900	Tallabogue Creek tributary near Harpersville, MS	324
153	02483000	Tuscolameta Creek at Walnut Grove, MS	326
154	02483500	Pearl River near Lena, MS	328
155	02483890	Yockanookany River tributary near McCool, MS	330
156	02484000	Yockanookany River near Kosciusko, MS	332
157	02484500	Yockanookany River near Ofahoma, MS	334
158	02484600	Coffee Bogue near Ludlow, MS	336
159	02484630	Pearl River at Coal Bluff near Ratliff, MS	338
160	02484750	Red Cane Creek tributary near Pisgah, MS	340
161	02484760	Fannegusha Creek near Sand Hill, MS	342
162	02485000	Pearl River at Meeks Bridge near Canton, MS	344
163	02485380	Hollybush Creek tributary no.1 near Pisgah, MS	346
164	02485385	Hollybush Creek tributary no.2 near Pisgah, MS	348
165	02485392	Clear Creek tributary near Pelahatchie, MS	350
166	02485500	Pelahatchie Creek near Fannin, MS	352
167	02485650	Purple Creek at Jackson, MS	354
168	02485690	Hanging Moss Creek tributary near Tougaloo, MS	356
169	02485700	Hanging Moss Creek at Jackson, MS	358
170	02485780	Crane Creek at Jackson, MS	360
171	02485800	Eubanks Creek at Jackson, MS	362
172	02485900	Neely Creek near Brandon, MS	364
173	02485950	Town Creek at Jackson, MS	366
174	02486000	Pearl River at Jackson, MS	368
175	02486100	Lynch Creek at Jackson, MS	370
176	02486115	Three Mile Creek at Jackson, MS	372
177	02486240	Richland Creek tributary near Brandon, MS	374
178	02486350	Cany Creek at Jackson, MS	376
179	02486690	Rhodes Creek near Terry, MS	378
180	02487230	Strong River near Morton, MS	380

**Table 1. *Index of gaging stations*--Continued**

Site no.	Station no.	Station name	Page
181	02487300	Strong River near Puckett, MS	382
182	02487500	Strong River at D'Lo, MS	384
183	02487600	Dabbs Creek near D'Lo, MS	386
184	02487620	Riles Creek near Mendenhall, MS	388
185	02487670	Boggans Ditch near Mendenhall, MS	390
186	02487690	Baking Powder Draw near Prentiss, MS	392
187	02487710	Barrets Branch near Pinola, MS	394
188	02487750	Big Creek near Pinola, MS	396
189	02487770	Bradleys Ditch near Pinola, MS	398
190	02487900	Copiah Creek near Hazlehurst, MS	400
191	02488000	Pearl River at Rockport, MS	402
192	02488100	Bahala Creek near Oma, MS	404
193	02488340	Small Pine Ditch near Monticello, MS	406
194	02488500	Pearl River near Monticello, MS	408
195	02488510	Roadside Park Ditch near Monticello, MS	410
196	02488540	New Hebron Gulley at New Hebron, MS	412
197	02488550	Goines Draw near Prentiss, MS	414
198	02488680	Plum Ditch near Prentiss, MS	416
199	02488700	Whitesand Creek near Oak Vale, MS	418
200	02489000	Pearl River near Columbia, MS	420
201	02489030	Elmers Draw near Columbia, MS	422
202	02489160	Kokomo Draw at Kokomo, MS	424
203	02489200	Ten Mile Creek near Columbia, MS	426
204	02489240	Lower Little Creek near Baxterville, MS	428
205	02490250	Bogue Chitto near Brookhaven, MS	430
206	02490300	Big Creek at Bogue Chitto, MS	432
207	02490370	Bogue Chitto near Pricedale, MS	434
208	02490500	Bogue Chitto near Tylertown, MS	436
209	02490550	Middle Fork Hickory Flat near Tylertown, MS	438
210	02490700	Union Creek near Tylertown, MS	440

**Table 1. *Index of gaging stations*--Continued**

Site no.	Station no.	Station name	Page
211	02490750	McGees Creek at Tylertown, MS	442
212	02492350	East Hobolochitto Creek at Picayune, MS	444
213	02492360	West Hobolochitto Creek near McNeill, MS	446
214	03592718	Little Yellow Creek near Burnsville, MS	448
215	03592800	Yellow Creek near Doskie, MS	450
216	03593010	Chambers Creek near Kendrick, MS	452
217	07029252	Pool Branch near Ripley, MS	454
218	07029270	Hatchie River near Walnut, MS	456
219	07029300	Tuscumbia River Canal near Corinth, MS	458
220	07029412	Hurricane Creek near Walnut, MS	460
221	07030365	Wesley Branch near Walnut, MS	462
222	07266000	Cane Creek near New Albany, MS	464
223	07267000	Hell Creek near New Albany, MS	466
224	07267150	Jones Creek tributary near New Albany, MS	468
225	07267200	Cracker Ditch near Pontotoc, MS	470
226	07268000	Little Tallahatchie River at Etta, MS	472
227	07268200	Fice Creek at Etta, MS	474
228	07268500	Cypress Creek near Etta, MS	476
229	07269000	North Tippah Creek near Ripley, MS	478
230	07269990	Tippah Creek near Potts Camp, MS	480
231	07271000	Clear Creek near Oxford, MS	482
232	07272500	Little Tallahatchie River at Sardis Dam, MS	484
233	07273000	Little Tallahatchie River near Sardis, MS	486
234	07273550	Little Tallahatchie River (Panola-Quitman Floodway) near Batesville, MS	488
235	07274000	Yocona River near Oxford, MS	490
236	07274250	Otocalofa Creek at Water Valley, MS	492
237	07275000	Yocona River at Enid Dam near Enid, MS	494
238	07275500	Long Creek at Courtland, MS	496
239	07276000	Coldwater River near Lewisburg, MS	498
240	07277000	Pigeon Roost Creek near Lewisburg, MS	500

**Table 1. *Index of gaging stations*--Continued**

Site no.	Station no.	Station name	Page
241	07277500	Coldwater River near Coldwater, MS	502
242	07277550	James Wolf Creek tributary near Looxahoma, MS	504
243	07277700	Hickahala Creek near Senatobia, MS	506
244	07277730	Senatobia Creek near Senatobia, MS	508
245	07278500	Coldwater River at Arkabutla Dam, MS	510
246	07279300	Coldwater River at Prichard, MS	512
247	07279500	Coldwater River at Savage, MS	514
248	07279600	Arkabutla Creek near Arkabutla, MS	516
249	07279970	Bobo Bayou at Bobo, MS	518
250	07280000	Tallahatchie River near Lambert, MS	520
251	07280270	Tillatoba Creek below Oakland, MS	522
252	07280340	South Fork Tillatoba Creek near Charleston, MS	524
253	07281000	Tallahatchie River at Swan Lake, MS	526
254	07282000	Yalobusha River at Calhoun City, MS	528
255	07282300	Sabougla Creek tributary at Sabougla, MS	530
256	07282500	Yalobusha River at Graysport, MS	532
257	07283000	Skuna River at Bruce, MS	534
258	07283490	Caney Creek near Coffeetown, MS	536
259	07283500	Skuna River near Coffeetown, MS	538
260	07285000	Yalobusha River at Grenada Dam near Grenada, MS	540
261	07285100	Tie Plant Branch near Grenada, MS	542
262	07285500	Yalobusha River at Grenada, MS	544
263	07285700	Long Creek near Cascilla, MS	546
264	07286000	Askalmore Creek near Charleston, MS	548
265	07286010	Brushy Creek tributary near Oxberry, MS	550
266	07286047	Tippo Bayou tributary at Phillip, MS	552
267	07286200	Yalobusha River at Whaley, MS	554
268	07286500	Thompson Creek at McCarley, MS	556
269	07286520	Big Sand Creek trib. near North Carrollton, MS	558
270	07286700	Big Sand Creek at Carrollton, MS	560

**Table 1. *Index of gaging stations--Continued***

Site no.	Station no.	Station name	Page
271	07286800	Big Sand Creek at Valley Hill, MS	562
272	07287000	Yazoo River at Greenwood, MS	564
273	07287050	Pelucia Creek tributary near Carrollton, MS	566
274	07287140	Martin Lake tributary at Sidon, MS	568
275	07287165	Mosquito Lake tributary no.1 at Itta Bena, MS	570
276	07287170	Mosquito Lake tributary no.2 at Itta Bena, MS	572
277	07287350	Fannegusha Creek near Tchula, MS	574
278	07287355	Fannegusha Creek near Howard, MS	576
279	07287480	Piney Creek near Yazoo City, MS	578
280	07287505	Broad Lake tributary no.1 near Yazoo City, MS	580
281	07287510	Broad Lake tributary no.2 near Yazoo City, MS	582
282	07287520	Short Creek tributary near Yazoo City, MS	584
283	07288500	Big Sunflower River at Sunflower, MS	586
284	07288568	Quiver River tributary near Schlater, MS	588
285	07288570	Quiver River near Doddsville, MS	590
286	07288650	Bogue Phalia near Leland, MS	592
287	07288680	Big Sunflower River at Little Callao Landing, MS	594
288	07288690	Mills Bayou tributary near Hollandale, MS	596
289	07288770	Deer Creek near Hollandale, MS	598
290	07289000	Mississippi River at Vicksburg, MS	600
291	07289010	Durden Creek at Vicksburg, MS	602
292	07289100	Big Black River tributary near Eupora, MS	604
293	07289170	Mulberry Creek at Kilmichael, MS	606
294	07289180	Big Black River near Kilmichael, MS	608
295	07289225	Downing Branch near French Camp, MS	610
296	07289265	Hays Creek tributary no.1 near Vaiden, MS	612
297	07289268	Hurricane Creek tributary near Vaiden, MS	614
298	07289330	Zilpha Creek near Kosciusko, MS	616
299	07289350	Big Black River at West, MS	618
300	07289395	Sharkey Creek tributary near West, MS	620

**Table 1. *Index of gaging stations--Continued***

Site no.	Station no.	Station name	Page
301	07289470	Tacketts Creek tributary near Pickens, MS	622
302	07289500	Big Black River at Pickens, MS	624
303	07289505	Big Cypress Creek near Vaughn, MS	626
304	07289530	Doaks Creek near Canton, MS	628
305	07289560	Bear Creek near Madison, MS	630
306	07289580	Bear Creek at Canton, MS	632
307	07289600	Tilda Bogue near Canton, MS	634
308	07289610	Bachelor Creek at Canton, MS	636
309	07289620	Bear Creek near Canton, MS	638
310	07289640	Panther Creek near Flora, MS	640
311	07289641	Panther Creek tributary near Flora, MS	642
312	07289730	Big Black River near Bentonia, MS	644
313	07289850	Bogue Chitto near Flora, MS	646
314	07290000	Big Black River near Bovina, MS	648
315	07290005	Clear Creek near Bovina, MS	650
316	07290110	Fleetwood Creek near Bolton, MS	652
317	07290115	Unnamed Creek near Bolton, MS	654
318	07290220	Dry Draw near Brookhaven, MS	656
319	07290500	Bayou Pierre near Carpenter, MS	658
320	07290525	Whiteoak Creek tributary near Utica, MS	660
321	07290650	Bayou Pierre near Willows, MS	662
322	07290690	Clarks Creek near Pattison, MS	664
323	07290830	Little Creek near Fayette, MS	666
324	07290870	Coles Creek near Fayette, MS	668
325	07290900	St. Catherine Creek near Natchez, MS	670
326	07290910	Spanish Bayou at Natchez, MS	672
327	07291000	Homochitto River at Eddiceton, MS	674
328	07291250	McCall Creek near Lucien, MS	676
329	07291260	Beaver Run near McCall Creek, MS	678
330	07291500	Homochitto River near Bude, MS	680



**Table 1. *Index of gaging stations*--Continued**

Site no.	Station no.	Station name	Page
331	07292500	Homochitto River at Rosetta, MS	682
332	07294000	Second Creek at Sibley, MS	684
333	07294400	Observer's Draw near Doloroso, MS	686
334	07294500	Homochitto River near Doloroso, MS	688
335	07295000	Buffalo River near Woodville, MS	690
336	07373550	Moore's Branch near Woodville, MS	692
337	07375235	Tangipahoa River tributary near McComb, MS	694
338	07375250	Little Tangipahoa River at Magnolia, MS	696
339	07376665	Stock Pond Draw near Liberty, MS	698
340	07376720	Tanyard Creek at Liberty, MS	700
341	07376760	CRS Draw near Liberty, MS	702

# 02429900 Big Brown Creek near Booneville, MS

## LOCATION:

Lat 34°37'07", long 88°26'42", SW 1/4 NE 1/4 sec.27, T.5 S., R.8 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 03160101, on left bank near downstream side of bridge on county highway, 0.4 mi downstream from State Highway 30, 2.0 mi upstream from Martin Creek, 7.3 mi east of Booneville, and 13.7 mi upstream from mouth.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 326.56 ft above sea level. Prior to June 1973, crest-stage gage at site 0.4 mi upstream at datum about 76.36 ft lower.

DRAINAGE AREA: 27.1 mi<sup>2</sup> SLOPE: 15.7 ft/mi LENGTH: 10.1 mi

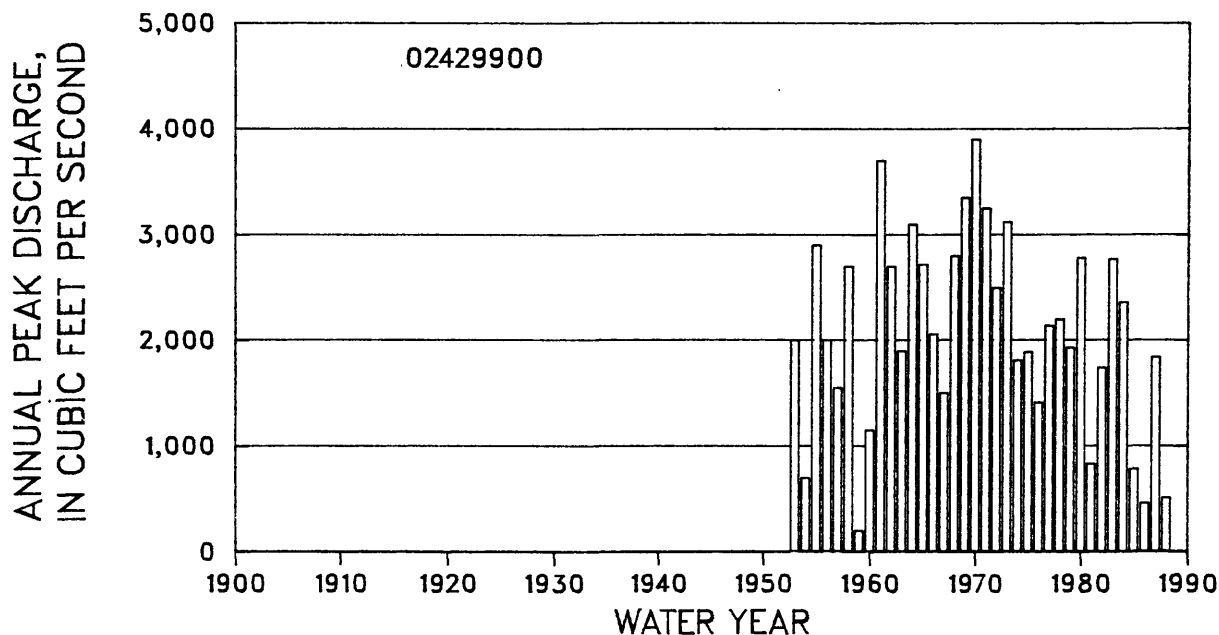
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.270  
STANDARD DEVIATION 0.245  
SKEW -0.400

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	1,930	3,020	3,730	4,610	5,250	5,860	6,460	7,220
REGIONAL	2,020	3,500	4,650	5,990	7,080	8,000	9,240	10,500
WEIGHTED	1,940	3,070	3,850	4,870	5,680	6,460	7,330	8,370

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	10	10	11	14	17	21	24	30
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	10	9	10	12	14	17	20	23

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 36

Graph of annual peak discharges is shown below.



## 02429900 Big Brown Creek near Booneville, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1953	2/20/53	97.27 a	2,000	1971	2/21/71	98.55 a	3,250
1954	2/20/54	92.20 a	700	1972	1/ 4/72	96.77 a	2,500
1955	3/21/55	99.46 a	2,900	1973	3/16/73	98.26 ab	3,120
1956	2/ 4/56	97.27 a	2,000	1974	1/11/74	20.32	1,810
1957	2/ 1/57	95.82 a	1,550	1975	3/13/75	20.54	1,890
1958	11/15/57	99.00 a	2,700	1976	10/17/75	19.70	1,410
1959	7/25/59	88.39 a	200	1977	3/ 4/77	19.01	2,140
1960	3/ 2/60	94.22 a	1,150	1978	5/ 7/78	19.41	2,200
1961	3/ 8/61	99.53 a	3,700	1979	1/20/79	18.58	1,930
1962	12/14/61	97.26 a	2,700	1980	3/20/80	20.81	2,780
1963	5/27/63	95.05 a	1,900	1981	6/ 3/81	13.84	833
1964	3/15/64	98.28 a	3,100	1982	1/21/82	17.79	1,740
1965	3/26/65	97.34 a	2,720	1983	4/ 5/83	20.79	2,770
1966	2/ 9/66	95.44 a	2,060	1984	12/ 3/83	19.81	2,360
1967	5/ 6/67	93.82 a	1,500	1985	2/11/85	13.54	784
1968	5/14/68	97.51 a	2,800	1986	2/17/86	11.04	462
1969	2/ 2/69	98.86 a	3,350	1987	12/ 8/86	18.30	1,840
1970	4/17/70	99.97 a	3,900	1988	1/19/88	11.52	512

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

# 02429949 Little Brown Creek near New Site, MS

## LOCATION:

Lat 34°32'14", long 88°24'02", in NW 1/4 sec. 30, T.6 S., R9 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 03160101, on right bank at downstream side of bridge on State Highway 4, 1.8 mi southwest of New Site, and 5.2 mi upstream from West Canal Little Brown Creek. Records include flow in West Canal Little Brown Creek.

## GAGE:

Continuous-discharge gage, water-stage recorder. Supplementary water-stage recorder on West Canal Little Brown Creek, 0.2 mi northwest from base gage. Datum of gage is 312.64 ft above sea level.

DRAINAGE AREA: 42.2 mi<sup>2</sup>      SLOPE: 9.6 ft/mi      LENGTH: 12.4 mi

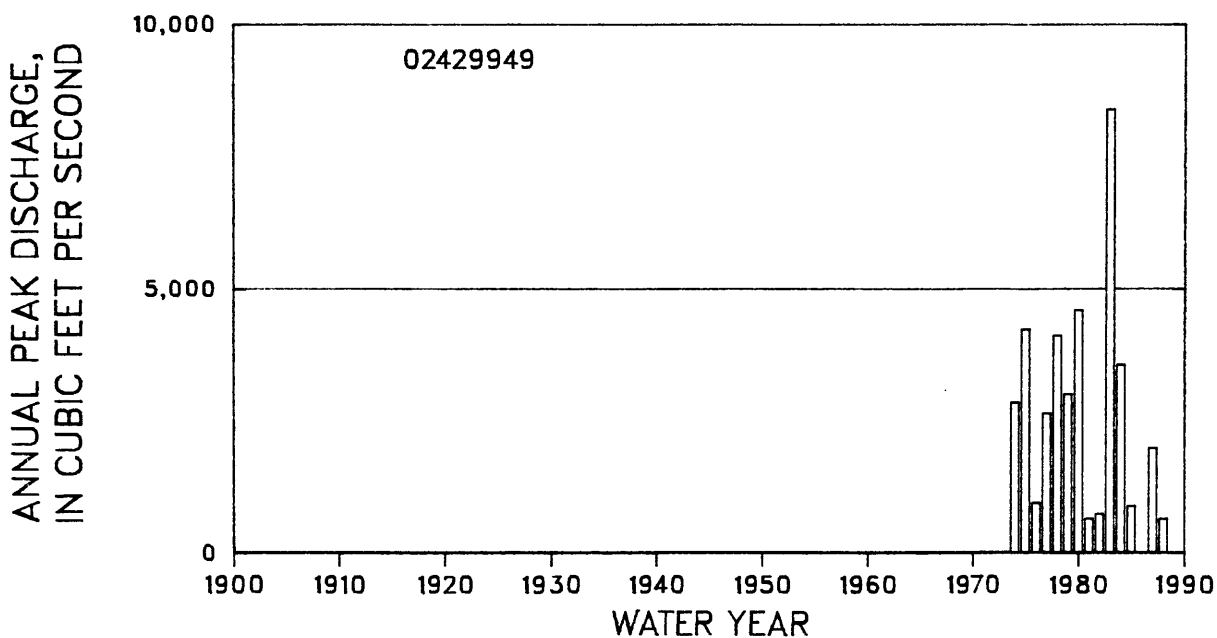
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:	MEAN	3.318
	STANDARD DEVIATION	0.366
	SKEW	0.027

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	2,070	4,220	6,140	9,170	11,900	15,000	18,600	24,200
REGIONAL	2,650	4,570	6,040	7,780	9,170	10,400	12,000	13,600
WEIGHTED	2,260	4,390	6,080	8,160	9,750	11,200	12,900	14,900

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	25	27	32	43	54	66	81	104
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	20	19	20	23	25	28	30	34

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 14

Graph of annual peak discharges is shown below.



## 02429949 Little Brown Creek near New Site, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1974	1/11/74	13.01	2,850	1981	2/ 1/81	11.33	651
1975	3/13/75	13.86	4,240	1982	1/23/82	11.41	740
1976	2/18/76	12.05	950	1983	5/19/83	14.65	8,390
1977	3/ 4/77	13.15	2,640	1984	12/ 3/83	13.45	3,560
1978	5/ 7/78	13.74	4,120	1985	2/11/85	11.42	890
1979	4/12/79	--	3,000	1987	12/ 9/86	12.65	1,990
1980	3/20/80	13.77	4,600	1988	2/15/88	10.90	652

# 02429980 Pollard Mill Branch at Paden, MS

## LOCATION:

Lat 34°39'10", long 88°15'00", in SE 1/4 sec. 9, T.5 S., R10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, on left bank 30 ft upstream from culvert on State Highway 30, and 0.8 mi east of Paden.

## GAGE:

Continuous-discharge gage, water-stage recorder and culvert control. Elevation of gage is about 440 ft above sea level (from topographic map). Rain gage was located on upstream side of road near culvert entrance prior to July 1, 1974.

DRAINAGE AREA: 2.01 mi<sup>2</sup> SLOPE: 38.1 ft/mi LENGTH: 2.8 mi

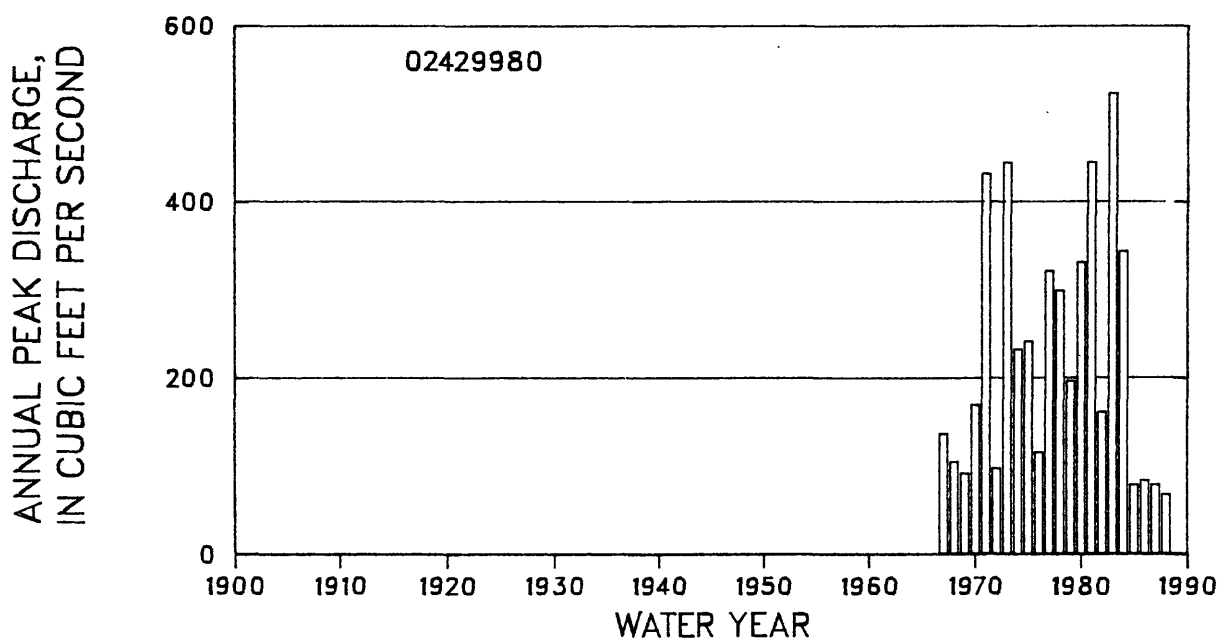
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.269  
STANDARD DEVIATION 0.290  
SKEW 0.068

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	184	325	439	607	749	907	1,080	1,340
REGIONAL	401	657	853	1,080	1,270	1,420	1,630	1,840
WEIGHTED	212	399	567	812	1,020	1,200	1,420	1,670

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	15	17	20	27	34	41	49	60
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	14	14	16	19	22	24	27	31

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 22

Graph of annual peak discharges is shown below.



## 02429980 Pollard Mill Branch at Paden, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1967	7/28/67	3.60	137	1978	11/21/77	4.78	300
1968	3/11/68	3.32	105	1979	9/13/79	4.07	197
1969	4/14/69	3.20	92	1980	3/20/80	4.98	332
1970	4/19/70	3.86	170	1981	2/ 1/81	3.17	445
1971	2/21/71	5.58	432	1982	1/ 2/82	3.80	162
1972	5/ 7/72	3.31	98	1983	5/19/83	6.07	524
1973	3/16/73	5.65	445	1984	4/28/84	5.13	344
1974	1/11/74	4.33	233	1985	5/ 1/85	3.49	79
1975	3/13/75	4.39	242	1986	10/23/85	3.54	84
1976	10/17/75	3.44	116	1987	11/ 8/86	3.49	79
1977	9/25/77	4.92	322	1988	11/28/87	3.38	68

02430000 Mackeys Creek near Dennis, MS

LOCATION:

Lat 34°31'34", long 88°19'22", in NE 1/4 SW 1/4 sec.26, T.6 S., R.9 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, on left bank at downstream side of old crossing, 0.1 mi downstream from bridge on State Highway 4 at Narrows dam site, 6.0 mi southwest of Dennis, and 10.0 mi upstream from confluence with Big Brown Creek.

GAGE:

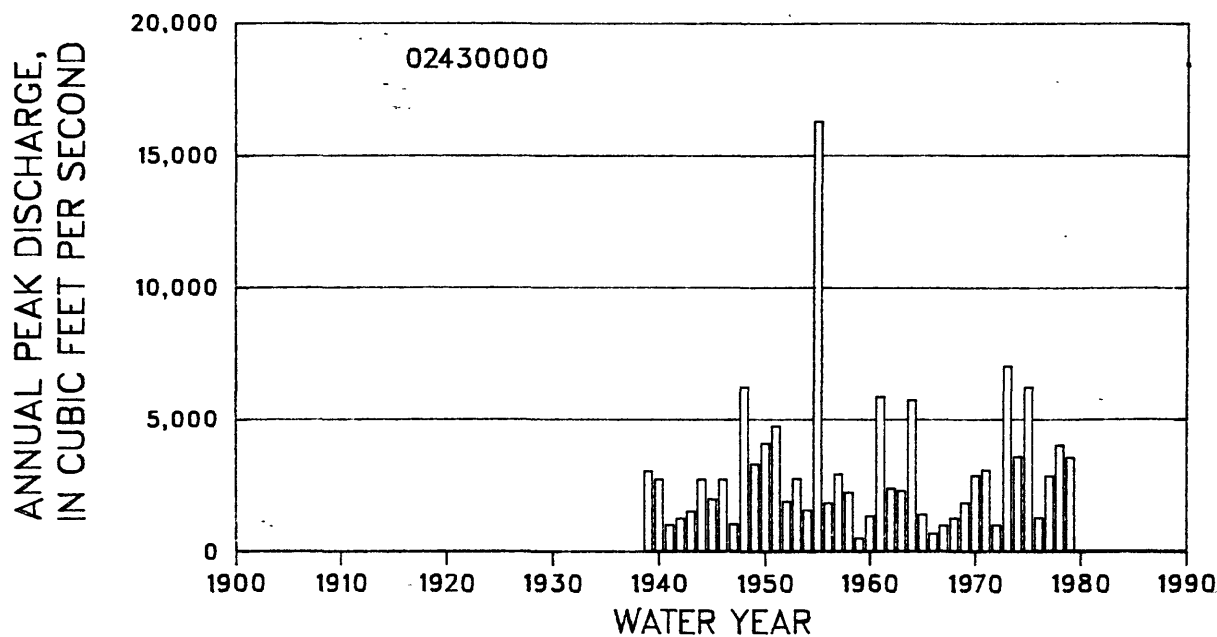
Continuous-discharge gage, water-stage recorder. Datum of gage is 333.47 ft above sea level. Prior to Oct. 15, 1948, nonrecording gage.

DRAINAGE AREA: 66.9 mi<sup>2</sup>      SLOPE: 8.2 ft/mi      LENGTH: 17.5 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:	MEAN	3.377
	STANDARD DEVIATION	0.294
	SKEW	0.140

Note: The discharges are affected by the construction of the Tennessee-Tombigbee Waterway. The drainage area, slope, length, and the statistics of annual peak discharge are for natural conditions. No estimates of flood-frequency discharges for current conditions are presented in this report.

Graph of annual peak discharges is shown below.





## 02430000 Mackeys Creek near Dennis, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1939	2/15/39	17.80	3,050	1960	12/19/59	12.53	1,360
1940	4/18/40	17.10	2,740	1961	3/ 8/61	21.74	5,880
1941	7/ 4/41	10.60	1,020	1962	4/12/62	16.26	2,400
1942	3/17/42	12.10	1,270	1963	5/26/63	15.96	2,310
1943	12/28/42	13.50	1,540	1964	3/15/64	21.61	5,760
1944	3/29/44	17.10	2,740	1965	3/26/65	12.78	1,420
1945	1/ 1/45	15.00	2,000	1966	2/13/66	7.80	700
1946	1/ 8/46	17.06	2,740	1967	5/ 7/67	10.36	1,000
1947	1/ 3/47	10.83	1,050	1968	5/15/68	12.08	1,280
1948	2/13/48	22.08	6,240	1969	4/15/69	14.06	1,860
1949	3/27/49	18.30	3,330	1970	12/30/69	17.48	2,890
1950	2/14/50	19.54	4,110	1971	2/22/71	17.89	3,100
1951	3/29/51	20.44	4,760	1972	1/ 4/72	9.69	1,020
1952	12/26/51	14.67	1,910	1973	3/16/73	22.83	7,030
1953	2/21/53	17.63	2,780	1974	1/11/74	18.77	3,610
1954	1/22/54	--	1,580 c	1975	3/13/75	22.02	6,240
1955	3/21/55	28.44	16,300	1976	10/17/75	11.26	1,290
1956	2/18/56	14.47	1,850	1977	3/ 4/77	17.24	2,870
1957	2/ 1/57	17.60	2,950	1978	4/ 7/78	19.10	4,040
1958	11/14/57	15.80	2,250	1979	4/12/79	18.43	3,570
1959	1/22/59	6.04	510				

HISTORICAL DATA: The 1955 peak is the highest known since 1927.

c Estimated.

02430012 Mackeys Creek below Bay Springs Lock and Dam, MS

LOCATION: Lat 34°30'44", long 88°19'34", in SW 1/4 sec.35, T.6 S., R.9 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, on left bank, 1.1 mi downstream from bridge on State Highway 4, and 0.7 mi downstream from Bay Springs Lock and Dam.

GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 330.0 ft above sea level.

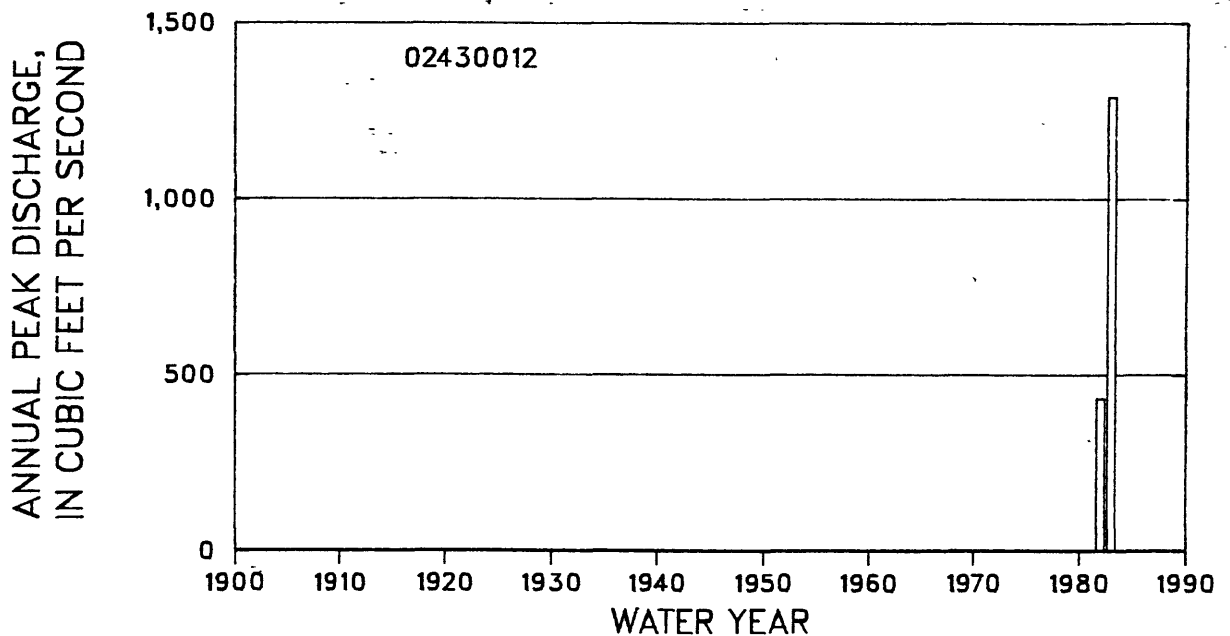
DRAINAGE AREA: 68.2 mi<sup>2</sup>, prior to construction of Tennessee-Tombigbee Waterway.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1980	3/21/80	12.06	--	1983	5/20/83	10.96	1,290
1982	1/24/82	5.96	434				

Note: The discharges are affected by the construction of the Tennessee-Tombigbee Waterway. No estimates of flood-frequency discharges are presented in this report.

Graph of annual peak discharges is shown below.



02430012 Mackeys Creek below Bay Springs Lock and Dam, MS

Only limited peak stage and discharge data are available for this site.

# 02430038 Rock Creek near Belmont, MS

## LOCATION:

Lat 34°31'00", long 88°16'17", in NW 1/4 sec.32, T.6 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, on the left bank at the upstream side of bridge on county road, 1.0 mi northwest from Fairview Church, and 3.6 mi west of Belmont.

## GAGE:

Continuous-discharge gage, water-stage recorder. Elevation of gage is about 370.0 ft above sea level (from topographic map).

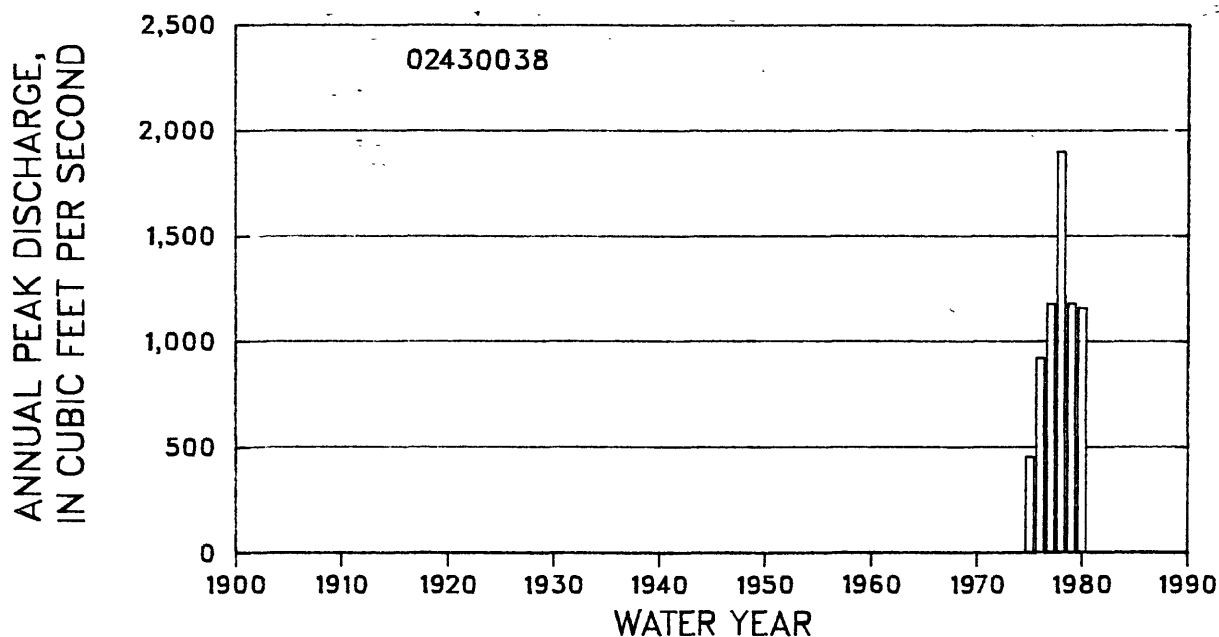
DRAINAGE AREA: 9.02 mi<sup>2</sup> SLOPE: 27.6 ft/mi LENGTH: 3.9 mi

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
REGIONAL	1,190	2,020	2,650	3,370	3,970	4,450	5,120	5,770

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
REGIONAL	34	27	26	27	29	31	34	38

NOTE: The systematic period of record is insufficient for station flood-frequency analysis; therefore, only regional flood-frequency discharges are presented in this report.

Graph of annual peak discharges is shown below.



## 02430038 Rock Creek near Belmont, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1975	7/23/75	7.10	455	1978	5/ 8/78	13.40	1,900
1976	3/20/76	9.42	924	1979	1/ 1/79	10.59	1,180
1977	4/ 4/77	10.50	1,180	1980	3/20/80	10.45	1,160

02430085 Red Bud Creek near Moores Mill, MS

LOCATION:

Lat 34°28'00", long 88°17'00", in SW 1/4 SE 1/4 Sec.18, T.7 S., R10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, near left bank on upstream side of bridge on county road, 0.18 mi south from intersection of county road and blacktop road, 2.7 mi east-southeast of Moores Mill, and 5.6 mi southwest of Belmont.

GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 360.36 ft above sea level.

DRAINAGE AREA: 15.7 mi<sup>2</sup> SLOPE: 22.7 ft/mi LENGTH: 6.1 mi

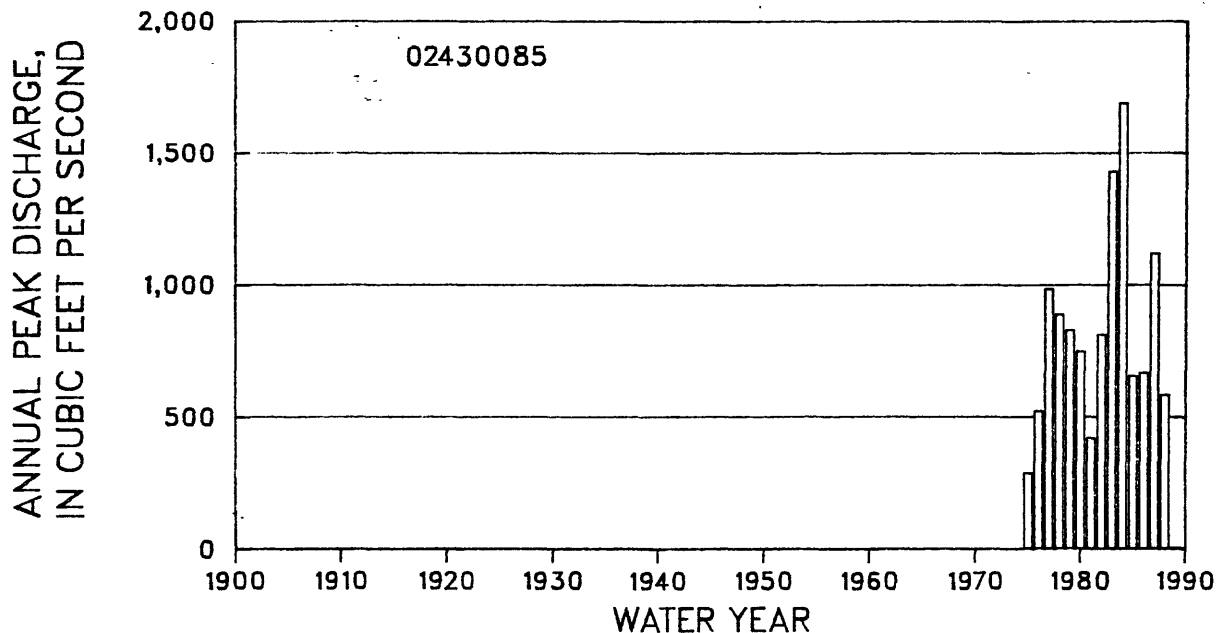
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.878  
STANDARD DEVIATION 0.203  
SKEW 0.005

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	755	1,120	1,370	1,710	1,970	2,240	2,520	2,900
REGIONAL	1,580	2,710	3,590	4,590	5,420	6,100	7,030	7,960
WEIGHTED	840	1,380	1,850	2,590	3,230	3,870	4,590	5,450

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	14	15	17	23	28	34	40	50
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	13	13	14	17	20	23	25	29

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 14

Graph of annual peak discharges is shown below.



## 02430085 Red Bud Creek near Moores Mill, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1975	7/23/75	7.99	287	1982	1/23/82	10.83	813
1976	2/18/76	10.39	524	1983	5/19/83	11.83	1,430
1977	3/ 4/77	11.16	986	1984	12/ 3/83	12.25	1,690
1978	5/ 8/78	10.90	890	1985	2/11/85	10.54	657
1979	1/ 1/79	10.87	831	1986	6/11/86	10.58	669
1980	3/20/80	10.67	749	1987	11/23/86	11.55	1,120
1981	3/30/81	9.26	421	1988	12/24/87	10.22	584

02430100 Mackeys Creek near Moores Mill, MS

LOCATION:

Lat 34°29'13", long 88°20'44", in SW 1/4 NW 1/4 sec.10, T.7 S., R.9 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 03160101, on left bank 15 ft upstream from county bridge, 1.0 mi west of Moores Mill, and 0.5 mi west from Tennessee-Tombigbee Waterway.

GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 314.23 ft above sea level.

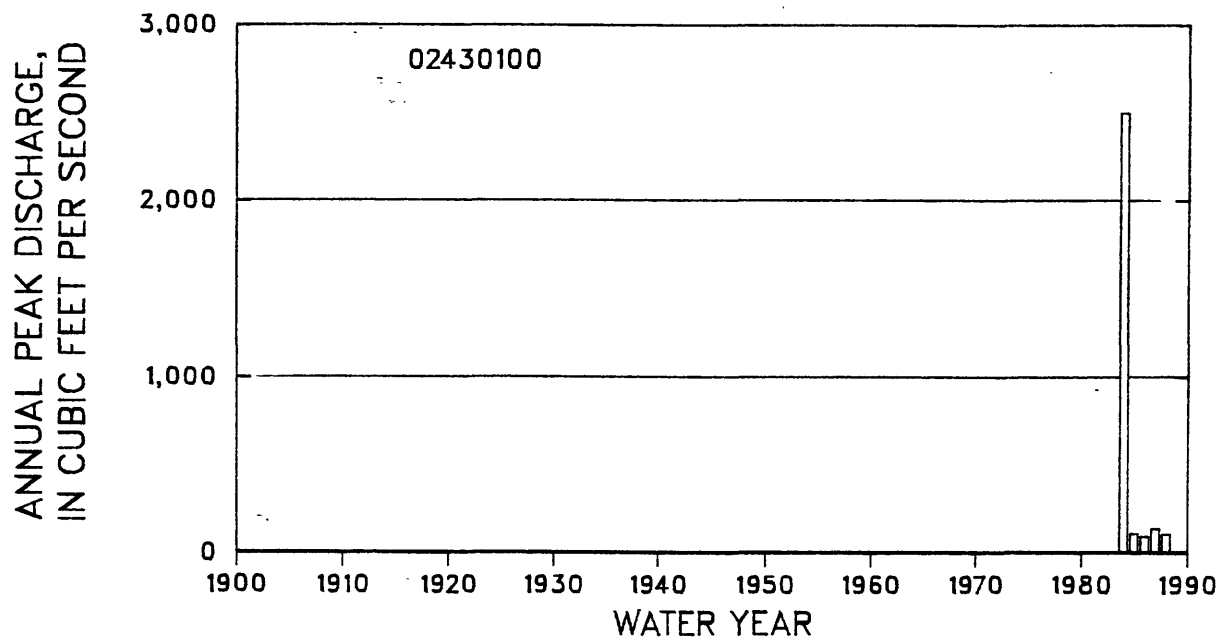
DRAINAGE AREA: 118 mi<sup>2</sup>, prior to construction of Tennessee-Tombigbee Waterway.

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1984	12/ 3/83	---	2,500 c	1987	11/23/86	4.15	138
1985	11/18/84	3.77	110	1988	11/28/87	3.52	107
1986	6/11/86	3.45	94				

Note: The discharges are affected by Tennessee-Tombigbee Waterway. No estimates of flood-frequency discharges are presented in this report.

Graph of annual peak discharges is shown below.





02430100 Mackeys Creek near Moores Mill, MS

Only limited peak stage and discharge data are available for this site.

# 02430500 Tombigbee River near Marietta, MS

## LOCATION:

Lat 34°25'35", long 88°25'16", in SE 1/4 sec.35, T.7 S., R.8 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, at bridge on county highway, 0.5 mi downstream from confluence of Big Brown Creek Canal and Mackeys Creek, 3.0 mi upstream from Donovan Creek Canal, and 0.6 mi southwest of Marietta.

## GAGE:

Crest-stage partial-record gage, water-stage recorder. Datum of gage is 282.16 ft above sea level. From October 1968, to September 1977, nonrecording gage.

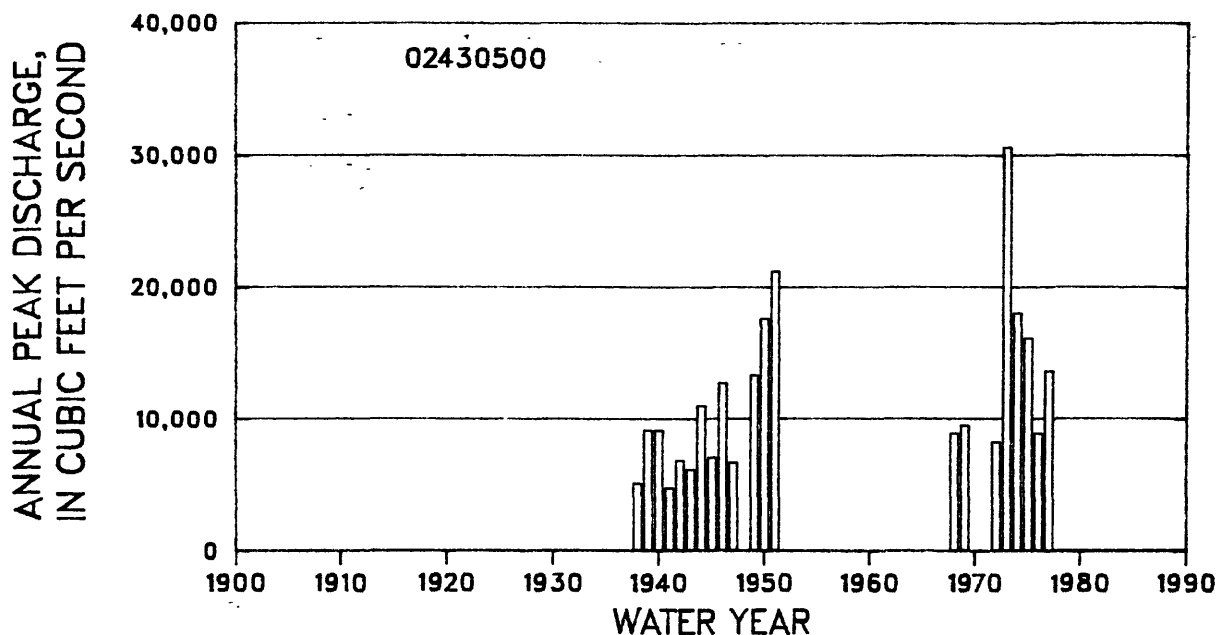
DRAINAGE AREA: 308 mi<sup>2</sup>      SLOPE: 6.1 ft/mi      LENGTH: 24.1 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:	MEAN	4.015
	STANDARD DEVIATION	0.210
	SKEW	0.261

	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
T	2	5	10	25	50	100	200	500
STATION	12,000	20,000	27,300	41,000	52,500	64,500	--	100,000

NOTE: Discharges are affected by the Tennessee-Tombigbee Waterway. Statistics of logarithms of annual peak discharge are for natural conditions. The flood-frequency discharges are for existing project conditions and represent combined flow in the natural and regulated channels. These discharges were obtained from the U.S. Army Corps of Engineers, Mobile District (written commun., April 1990).

Graph of annual peak discharges is shown below.



## 02430500 Tombigbee River near Marietta, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1938	6/ 2/38	9.75	5,100	1951	3/29/51	11.46	21,200
1939	2/15/39	10.30	9,150	1955	3/ /55	13.50	--
1940	4/19/40	10.30	9,150	1968	1/11/68	11.13	8,900
1941	4/ 5/41	9.70	4,750	1969	4/15/69	11.15	9,500
1942	3/17/42	10.00	6,850	1970	12/30/69	11.52	--
1943	12/28/42	9.90	6,150	1971	2/22/71	11.30	--
1944	3/29/44	10.70	11,000	1972	1/ 4/72	11.27	8,260
1945	1/ 1/45	10.30	7,100	1973	3/16/73	12.30	30,600
1946	1/ 8/46	10.84	12,700	1974	1/11/74	11.84	18,000
1947	1/ 3/47	10.27	6,700	1975	3/14/75	12.54	16,100
1948	2/13/48	12.40	--	1976	10/17/75	12.02	8,900
1949	1/ 4/49	10.90	13,300	1977	3/ 4/77	12.32	13,600
1950	2/14/50	11.24	17,600				

HISTORICAL DATA: The 1955 peak is the highest known since 1892.

# 02430615 Mud Creek near Fairview, MS

## LOCATION:

Lat 34°23'32", long 88°21'17", in NW 1/4 NE 1/4 sec.16, T.8 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, at left bank on downstream side of bridge on county road 3.0 mi northwest of Fairview, and 8.8 mi north-northeast of Fulton.

## GAGE:

Continuous-discharge gage, water-stage recorder. Elevation of gage is about 313 ft above sea level (from topographic map).

DRAINAGE AREA: 11.1 mi<sup>2</sup> SLOPE: 17.7 ft/mi LENGTH: 3.6 mi

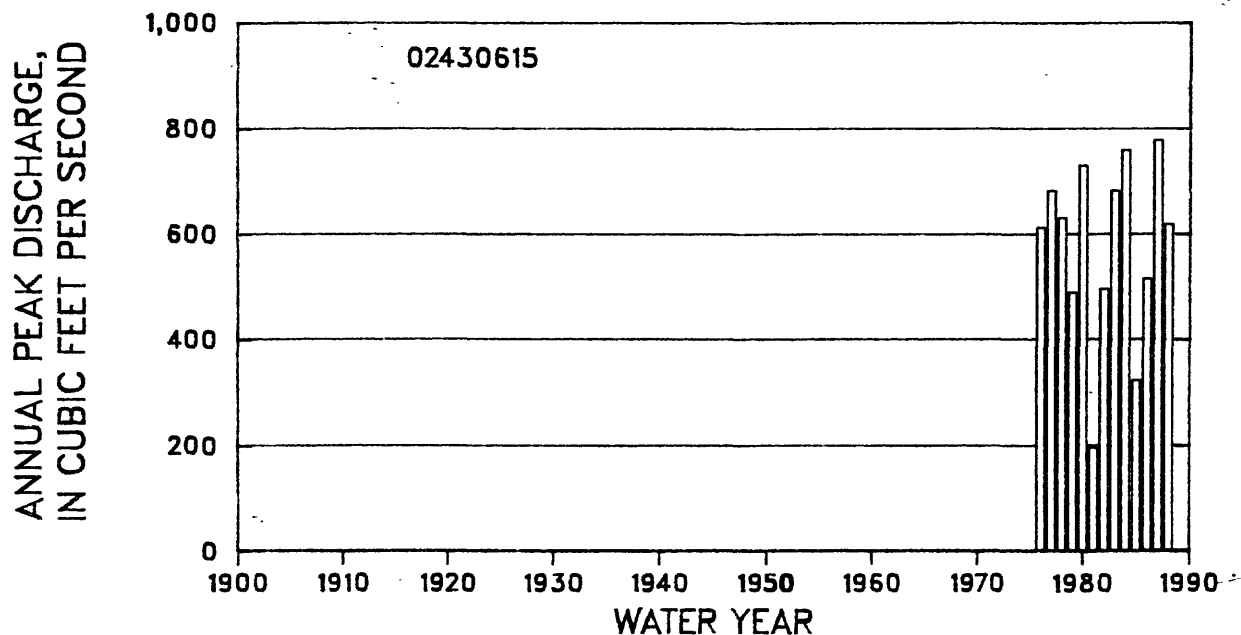
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.759  
STANDARD DEVIATION 0.123  
SKEW -0.196

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	580	731	820	925	997	1,070	1,130	1,210
REGIONAL	1,430	2,390	3,120	3,950	4,620	5,170	5,920	6,670
WEIGHTED	614	821	975	1,210	1,420	1,640	1,880	2,170

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	9	10	13	15	19	22	27
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	8	8	9	11	14	16	18	22

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 13

Graph of annual peak discharges is shown below.



## 02430615 Mud Creek near Fairview, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1976	3/21/76	9.28	613	1983	5/19/83	9.39	683
1977	4/ 4/77	9.29 d	683	1984	12/ 3/83	9.50	760
1978	5/ 8/78	9.31	631	1985	4/24/85	8.64	323
1979	1/ 1/79	9.16	490	1986	6/ 1/86	9.04	516
1980	3/20/80	9.46	731	1987	11/23/86	9.83	778
1981	2/ 1/81	7.91	196	1988	12/24/87	9.29	619
1982	1/23/82	8.97	497				

d Gage height not the maximum for the water year.

# 02430680 Twentymile Creek near Guntown, MS

## LOCATION:

Lat 34°27'11", long 88°34'37", in SW 1/4 sec.21, T.7 S., R.7 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160101, on downstream side of bridge on county road, and 6.0 mi southeast of Baldwyn, and 6.0 mi east of Guntown.

## GAGE:

Continuous-discharge gage, water-stage recorder and sharp-crested weir since November 1982. Datum of gage is 280.0 ft above sea level. September 1964 to January 1975, discharge measurements only, and February 1975 to June 1977, discharge measurements and gage-height record only (in U.S. Army Corps of Engineers files). July 1977 to September 1982, gage-height only.

DRAINAGE AREA: 131 mi<sup>2</sup> SLOPE: 7.0 ft/mi LENGTH: 19.9 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.279  
STANDARD DEVIATION 0.135  
SKEW 0.220

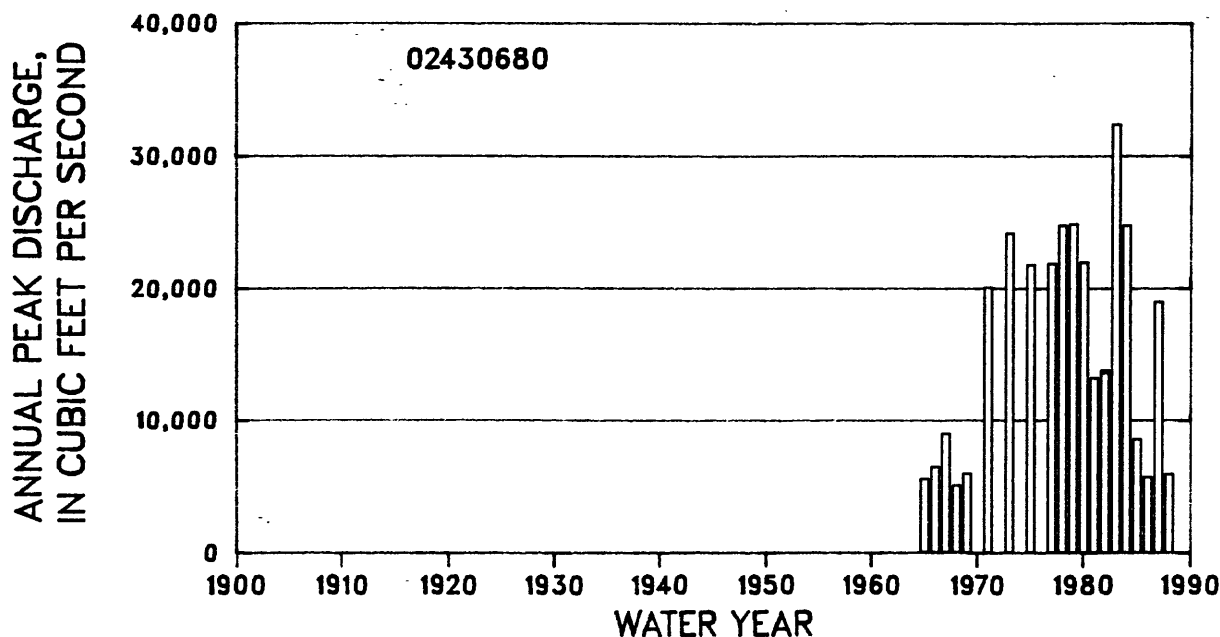
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	19,200	24,800	28,100	32,000	34,700	37,300	39,800	42,900

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	8	8	9	11	14	17	20	24

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 19

NOTE: Discharges are affected by channelization. The slope and length may not be fully representative of current conditions. The statistics of logarithms of annual peak discharge (1971-89) and the flood-frequency discharges are for current conditions. The discharges are unweighted station estimates, which may be more uncertain than is indicated by the standard error of estimate.

Graph of annual peak discharges is shown below.



## 02430680 Twentymile Creek near Guntown, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1965	3/26/65	29.5	5,600	1980	3/20/80	25.68	22,000 j
1966	2/10/66	30.3	6,500	1981	5/26/81	20.62	13,200 j
1967	5/ 7/67	28.8	9,000 j	1982	1/ 3/82	20.96	13,800 j
1968	1/10/68	25.8	5,100 j	1983	5/19/83	28.86	32,400 j
1969	3/14/69	26.8	6,000 j	1984	12/ 4/83	27.16	24,800 j
1971	2/21/71	24.6	20,100 j	1985	11/18/84	17.63	8,590 j
1973	3/ /73	26.83	24,200 j	1986	5/28/86	15.62	5,760 j
1975	3/13/75	25.55	21,800 j	1987	11/ 9/86	23.98	19,000 j
1977	3/ 4/77	25.60	21,900 j	1988	1/19/88	17.26	5,970 j
1978	5/ 7/78	27.15	24,800 j	1989	2/21/89	26.69	16,900 j
1979	6/21/79	27.23	24,900 j				

HISTORICAL DATA: The 1983 peak is the highest known since 1971.

j Discharge affected by urbanization or channelization.

02430880 Cummings Creek near Fulton, MS

LOCATION:

Lat 34°18'16", long 88°22'16", in NE 1/4 sec.17, T.9 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on left bank at the downstream side of bridge on county road, 3.2 mi northeast of Fulton, and 4.2 mi upstream from mouth.

GAGE:

Continuous-discharge gage, water-stage recorder. Elevation of gage is about 295 ft above sea level (from topographic map).

DRAINAGE AREA: 19.1 mi<sup>2</sup>      SLOPE: 8.5 ft/mi      LENGTH: 7.0 mi

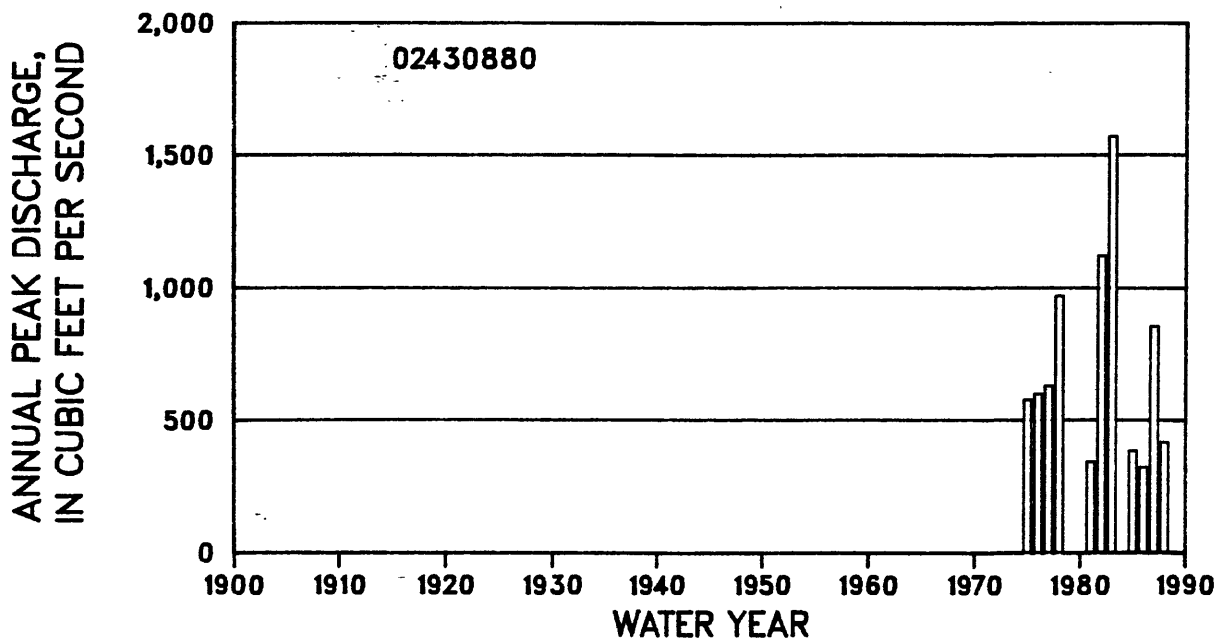
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN    2.795  
    STANDARD DEVIATION    0.226  
    SKEW      0.359

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	612	960	1,230	1,610	1,920	2,260	2,640	3,180
REGIONAL	1,710	2,840	3,700	4,710	5,500	6,200	7,090	8,040
WEIGHTED	761	1,430	2,110	3,170	4,030	4,840	5,740	6,780

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	17	20	25	36	45	57	70	89
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	15	16	18	21	24	27	30	34

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 11

Graph of annual peak discharges is shown below.





## 02430880 Cummings Creek near Fulton, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1975	1/ 1/75	10.48	577	1982	8/11/82	10.89	1,120
1976	10/17/75	10.63	600	1983	4/ 5/83	11.03	1,570
1977	9/25/77	10.82	629	1985	2/11/85	10.32	384
1978	5/ 8/78	10.83	969	1986	6/ 6/86	9.83	321
1979	unknown	10.48	--	1987	11/25/86	10.78	856
1981	3/30/81	10.06	342	1988	11/28/87	10.48	416

# 02431000 Tombigbee River near Fulton, MS

## LOCATION:

Lat 34°15'53", long 88°26'42", SE 1/4 sec.27, T.9 S., R.8 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on left bank at downstream side of bridge on U.S. Highway 78, 1,000 ft downstream from Twentymile-Fulton Canal, 2.2 mi west of Fulton, 6.2 mi upstream from Mantachie Creek Canal, 13.5 mi downstream from Twentymile Creek Canal, and at mi 421.7.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 242.93 ft above sea level. Prior to Oct. 27, 1934, nonrecording gage at bridge 200 ft upstream, and Oct. 27, 1934, to Aug. 22, 1939, nonrecording gage at present site, all at present datum.

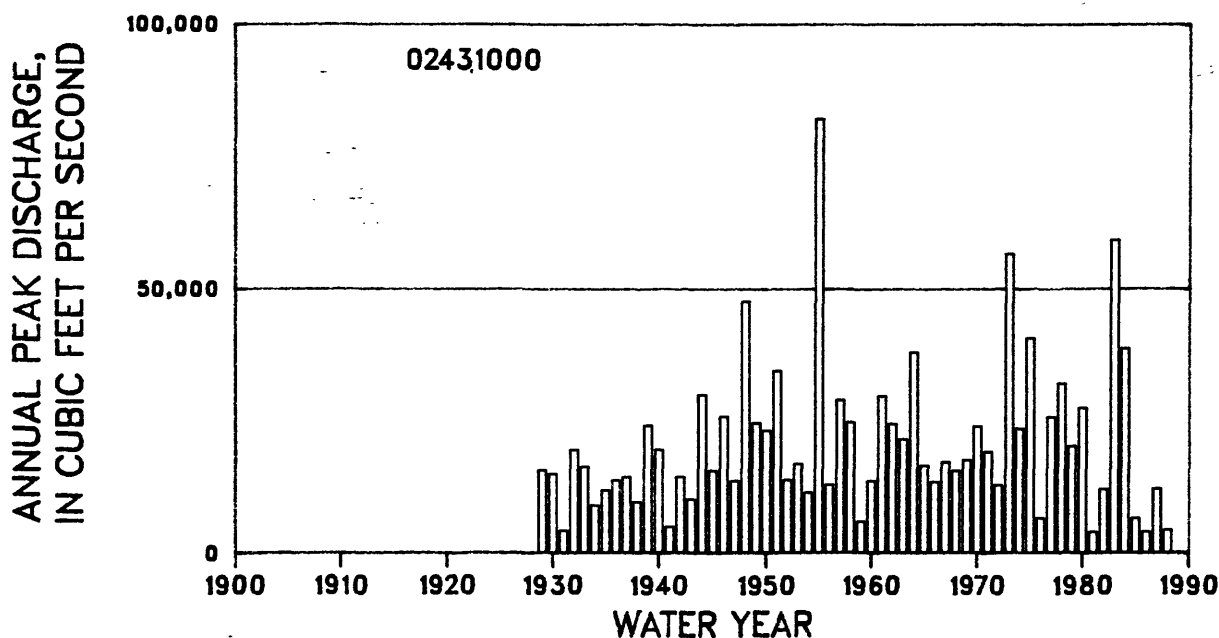
DRAINAGE AREA: 612 mi<sup>2</sup>      SLOPE: 3.5 ft/mi      LENGTH: 42.2 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:	MEAN	4.260
	STANDARD DEVIATION	0.249
	SKEW	-0.021

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	19,900	30,300	38,900	52,500	64,000	78,000	--	122,000

NOTE: Discharges are affected by the Tennessee-Tombigbee Waterway. Statistics of logarithms of annual peak discharge are for natural conditions. The flood-frequency discharges are for existing project conditions and represent combined flow in the natural and regulated channels. These discharges were obtained from the U.S. Army Corps of Engineers, Mobile District (written commun., April 1990).

Graph of annual peak discharges is shown below.



## 02431000 Tombigbee River near Fulton, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1929	3/15/29	17.54 a	15,700	1959	2/15/59	16.46	6,000
1930	3/ 8/30	17.42 a	15,000 e	1960	3/ 4/60	17.65	13,600
1931	2/26/31	15.87 a	4,250	1961	3/ 9/61	19.68	29,700
1932	9/28/32	18.52 a	19,600	1962	4/12/62	19.06	24,500
1933	10/18/32	18.05 a	16,400	1963	3/13/63	18.70	21,600
1934	3/ 4/34	16.68 a	9,000	1964	3/16/64	21.14	38,000
1935	3/13/35	16.72	11,900	1965	3/27/65	18.07	16,500
1936	4/ 7/36	17.21	13,800	1966	2/12/66	17.63	13,400
1937	1/ 3/37	17.29	14,400	1967	5/ 7/67	18.17	17,200
1938	4/ 9/38	16.53	9,600	1968	5/15/68	18.95	15,600
1939	2/15/39	18.45	24,200	1969	4/15/69	18.23	17,600
1940	4/19/40	17.85	19,600	1970	12/31/69	19.14	24,000
1941	12/18/40	15.53	5,000	1971	2/22/71	18.44	19,100
1942	3/18/42	17.00	14,400	1972	1/ 4/72	17.55	12,800
1943	3/14/43	16.43	10,200	1973	3/17/73	23.00	56,700
1944	3/29/44	18.82	30,000	1974	1/11/74	19.10	23,500
1945	1/ 2/45	17.69	15,600	1975	3/14/75	20.95	40,700
1946	1/ 9/46	19.12	25,900	1976	2/19/76	17.23	6,600
1947	1/ 4/47	17.39	13,600	1977	3/ 4/77	19.19	25,700
1948	2/14/48	22.24	47,700	1978	5/ 9/78	20.19	32,000
1949	1/ 4/49	19.43	24,600	1979	4/13/79	18.80	20,200
1950	2/15/50	19.18	23,200	1980	3/21/80	19.65	27,400
1951	3/29/51	20.70	34,500	1981	2/ 2/81	16.53	3,940 g
1952	12/27/51	17.82	13,800	1982	1/24/82	17.73	12,000 g
1953	2/22/53	18.28	16,900	1983	12/27/82	23.70	59,400 g
1954	1/23/54	17.38	11,400	1984	12/ 4/83	22.75	38,700 g
1955	3/22/55	25.75	82,200	1985	2/12/85	17.44	6,590 g
1956	2/19/56	17.66	12,900	1986	6/12/86	16.83	4,010 g
1957	2/ 2/57	19.62	29,000	1987	12/10/86	18.50	12,100 g
1958	11/15/57	19.10	24,800	1988	1/20/88	16.96	4,380 g

a Gage height at different site and (or) datum.

e Discharge is a maximum daily average.

g Discharge affected to an unknown degree by regulation or diversion.

02431500 Tombigbee River at Beans Ferry near Fulton, MS

LOCATION:

Lat 34°12'20", long 88°23'50", SW 1/4 sec.18, T.10 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, at county road bridge, 2.0 mi downstream from Mantachie Creek, and 4.7 mi south of Fulton.

GAGE:

Nonrecording gage. Datum of gage is 229.80 ft above sea level.

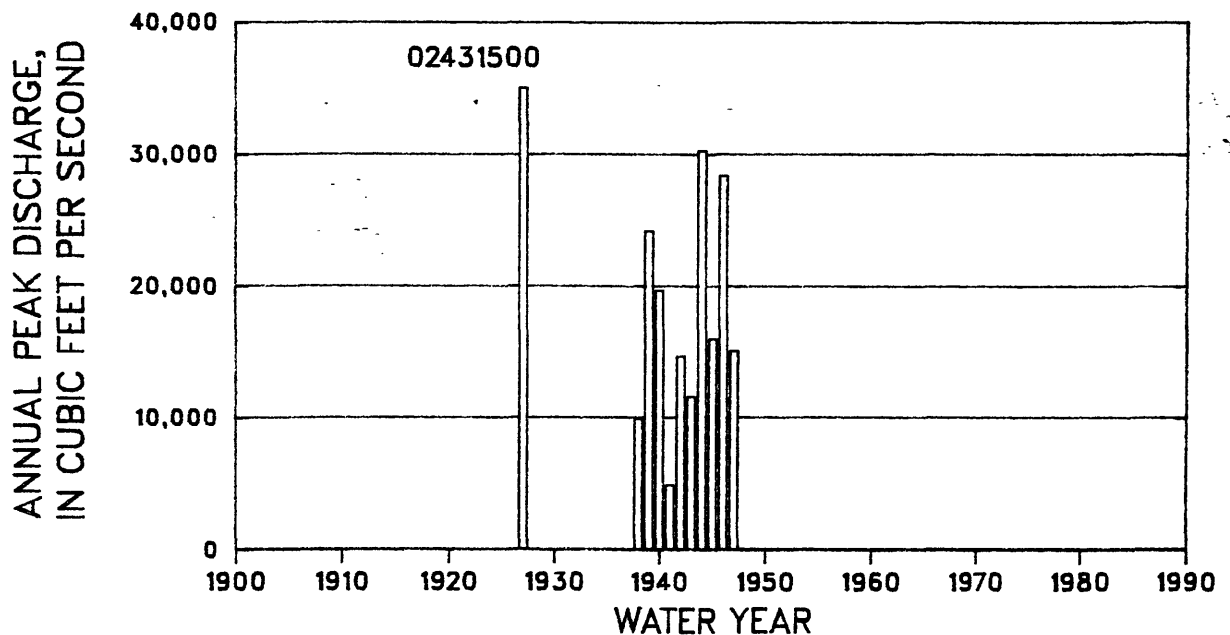
DRAINAGE AREA: 706 mi<sup>2</sup> SLOPE: 2.9 ft/mi LENGTH: 49.7 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.236  
STANDARD DEVIATION 0.189  
SKEW 0.050

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	21,200	31,900	41,300	56,000	68,400	83,500	--	130,000

NOTE: Discharges are affected by the Tennessee-Tombigbee Waterway. Statistics of logarithms of annual peak discharge are for natural conditions. The flood-frequency discharges are for existing project conditions and represent combined flow in the natural and regulated channels. These discharges were obtained from the U.S. Army Corps of Engineers, Mobile District (written commun., April 1990).

Graph of annual peak discharges is shown below.



02431500 Tombigbee River at Beans Ferry near Fulton, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1927	12/ /26	26.60	35,000 f	1943	3/14/43	21.90	11,600
1938	4/ 9/38	21.90	9,900	1944	3/29/44	25.50	30,300
1939	2/16/39	24.50	24,200	1945	1/ 2/45	23.40	16,000
1940	4/20/40	23.60	19,700	1946	1/ 9/46	25.50	28,400
1941	12/19/40	19.70	4,900	1947	1/ 4/47	23.16	15,100
1942	3/19/42	22.60	14,700				

HISTORICAL DATA: The 1927 peak is the highest known between 1927 and 1947.

f Discharge is an historical peak.

# 02432500 Bull Mountain Creek at Tremont, MS

## LOCATION:

Lat 34°14'20", long 88°16'15", NE 1/4 SW 1/4 sec.5, T.10 S., R.10 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on left bank on downstream side of bridge on U.S. Highway 78, 0.7 mi northwest of Tremont, 1.5 mi upstream from Johns Creek, 1.5 mi upstream from Cypress Creek, 8.0 mi southwest of Fulton, and 27.2 mi upstream from mouth.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum is 317.39 ft above sea level. Prior to July 22, 1949, staff gage at same site and datum.

DRAINAGE AREA: 136 mi<sup>2</sup>      SLOPE: 8.2 ft/mi      LENGTH: 33.6 mi

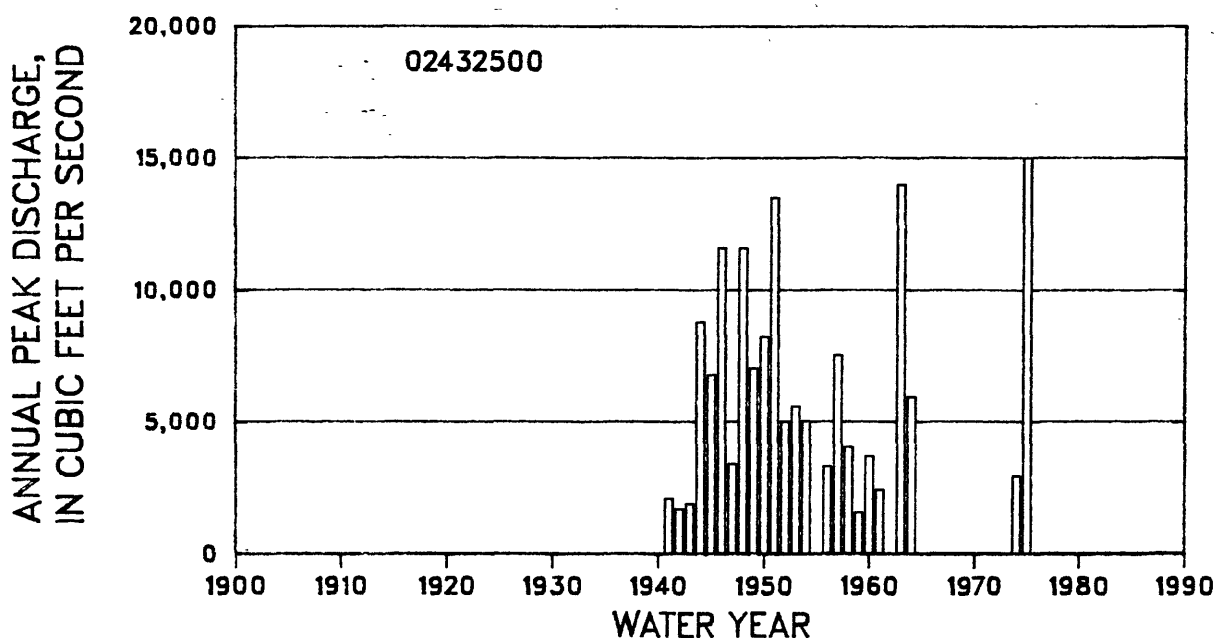
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN    3.710  
    STANDARD DEVIATION    0.301  
    SKEW    -0.003

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	5,130	9,200	12,500	17,300	21,300	25,700	30,600	37,700
REGIONAL	4,760	8,520	11,500	15,100	17,900	20,500	23,800	27,400
WEIGHTED	5,060	9,000	12,100	16,200	19,300	22,400	26,000	30,300

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	15	17	20	26	32	39	46	57
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	14	14	16	18	21	24	27	31

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 24

Graph of annual peak discharges is shown below.



## 02432500 Bull Mountain Creek at Tremont, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1941	7/ 5/41	7.50	2,100 g	1959	2/14/59	7.35	1,580 g
1942	3/18/42	7.30	1,700 g	1960	3/ 3/60	8.10	3,700 g
1943	12/29/42	7.40	1,900 g	1961	2/21/61	7.67	2,430 g
1944	3/29/44	9.10	8,800 g	1962	4/11/62	10.59	--
1945	2/22/45	8.80	6,800 g	1963	5/27/63	9.70	14,000 g
1946	1/ 8/46	9.47	11,600 g	1964	3/15/64	8.65	5,950 g
1947	1/ 2/47	8.01	3,400 g	1973	3/15/73	13.10	--
1948	2/13/48	9.45	11,600 g	1974	1/11/74	7.85	2,950 g
1949	1/ 5/49	8.84	7,040 g	1975	3/13/75	9.80	15,000 g
1950	1/ 6/50	9.02	8,240 g	1976	10/17/75	7.52	--
1951	3/29/51	9.65	13,500 g	1977	3/ 5/77	8.53	--
1952	12/26/51	8.45	5,000 g	1978	5/ 8/78	8.04	--
1953	4/30/53	8.58	5,600 g	1979	1/21/79	7.59	--
1954	1/22/54	8.46	5,040 g	1980	3/17/80	8.84	--
1955	3/21/55	11.28	--	1981	2/ 2/81	6.44	--
1956	4/ 7/56	7.97	3,310 g	1982	1/ 4/82	7.45	--
1957	2/ 1/57	8.92	7,540 g	1983	4/ 6/83	14.06	--
1958	11/18/57	8.20	4,050 g				

g Discharge affected to an unknown degree by regulation or diversion.

# 02432900 Red Boot Creek near Fulton, MS

## LOCATION:

Lat 34°19'10", long 88°19'30", NE 1/4 SE 1/4 NW 1/4 sec.11, T.9 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160001, at culvert on State Highway 25, and 4.4 mi north from junction of State Highway 25 and U.S. Highway 78 near Fulton.

## GAGE:

Crest-stage gage. Assumed datum. From May 21, 1965, to Oct. 1, 1973, rain-gage and water-stage recorders also.

DRAINAGE AREA: 0.13 mi<sup>2</sup> SLOPE: 89.3 ft/mi LENGTH: 0.8 mi

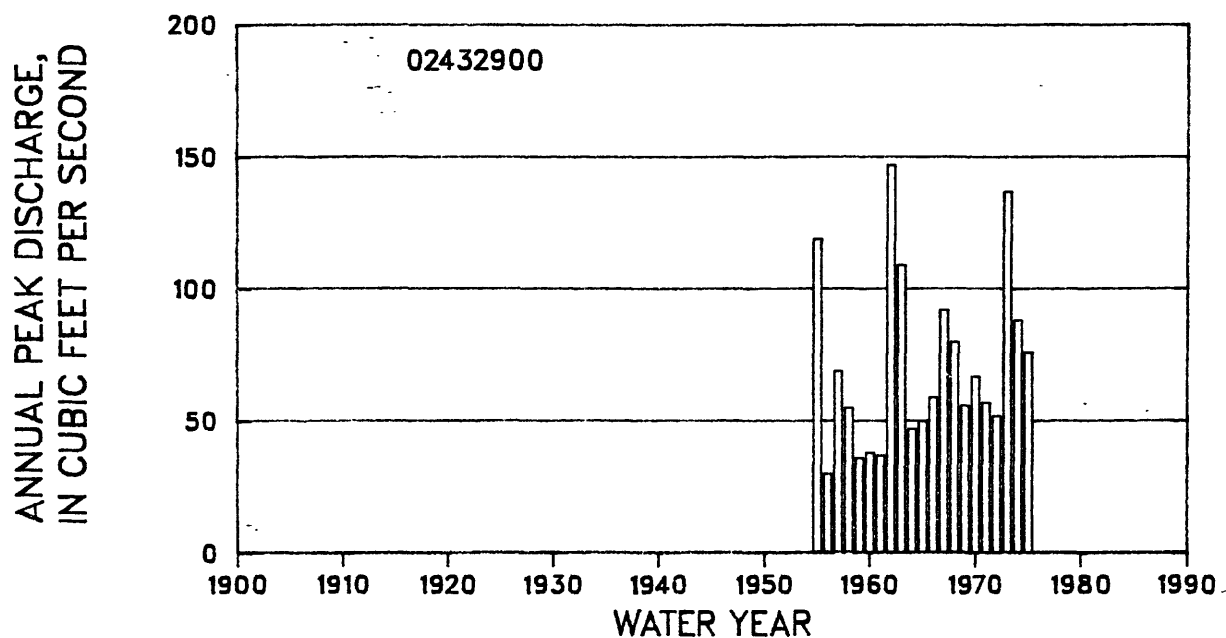
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 1.812  
STANDARD DEVIATION 0.194  
SKEW 0.149

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	64	94	116	145	168	193	218	255
REGIONAL	70	108	138	171	201	222	254	282
WEIGHTED	65	96	121	154	181	206	236	269

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	11	12	14	19	24	29	34	42
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	10	11	13	16	18	21	24	28

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 21

Graph of annual peak discharges is shown below.





## 02432900 Red Boot Creek near Fulton, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	3/21/55	6.37	119	1966	4/21/66	4.66	59
1956	unknown	3.62	30	1967	5/ 5/67	5.69	92
1957	7/ 1/57	4.97	69	1968	5/14/68	5.35	80
1958	11/15/57	4.54	55	1969	3/23/69	4.57	56
1959	7/24/59	3.86	36	1970	12/30/69	4.93	67
1960	6/17/60	3.95	38	1971	2/21/71	4.60	57
1961	3/28/61	3.90	37	1972	1/ 1/72	4.44	52
1962	4/11/62	7.08	147	1973	3/16/73	6.83	137
1963	3/12/63	6.12	109	1974	1/24/74	5.61	88
1964	3/14/64	4.28	47	1975	3/13/75	5.24	76
1965	9/12/65	4.36	50				

02433000 Bull Mountain Creek near Smithville, MS

LOCATION:

Lat 34°05'18", long 88°23'26", SW 1/4 SE 1/4 sec.30, T.11 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on right bank at downstream side of old crossing 200 ft upstream from bridge on State Highway 25, 0.8 mi upstream from Mississippi Railway bridge, 1.1 mi north of Smithville, and 3.5 mi upstream from mouth.

GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 234.81 ft above sea level. Prior to Oct. 15, 1948, nonrecording gage.

DRAINAGE AREA: 336 mi<sup>2</sup> SLOPE: 1.9 ft/mi LENGTH: 69.9 mi

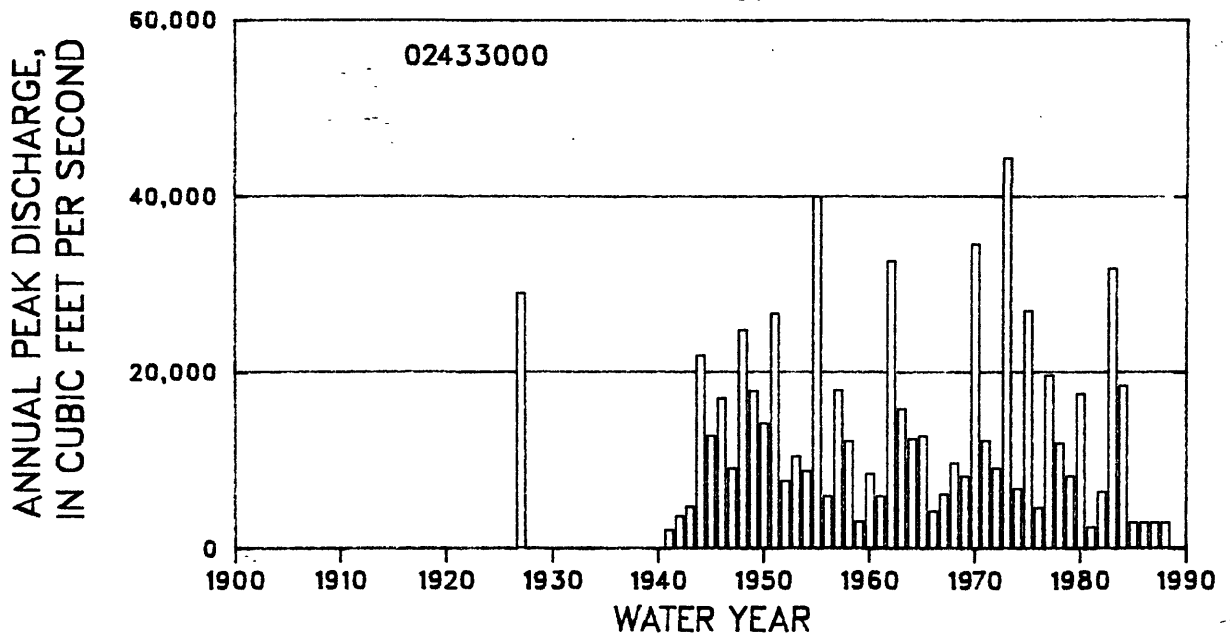
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.016  
STANDARD DEVIATION 0.325  
SKEW -0.073

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	10,500	19,500	26,900	37,700	46,800	56,800	67,700	83,700
REGIONAL	7,280	12,700	16,900	22,200	26,200	30,200	34,800	40,400
WEIGHTED	10,100	18,100	24,100	31,700	37,300	42,900	49,100	57,100

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	12	12	14	19	23	27	32	40
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	11	11	12	15	18	20	23	27

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 49

Graph of annual peak discharges is shown below.



## 02433000 Bull Mountain Creek near Smithville, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1927	12/ /26	15.70	29,000 cf	1965	2/13/65	13.50	12,800
1941	7/ 7/41	9.30	2,110	1966	2/15/66	11.14	4,280
1942	3/19/42	10.80	3,670	1967	2/22/67	12.00	6,200
1943	12/30/42	11.40	4,750	1968	1/11/68	12.95	9,750
1944	3/29/44	14.90	21,900	1969	4/11/69	12.61	8,240
1945	2/23/45	13.70	12,800	1970	12/31/69	16.50	34,600
1946	1/ 9/46	14.30	17,100	1971	2/23/71	13.57	12,300
1947	1/ 3/47	13.00	9,100	1972	1/ 4/72	12.83	9,150
1948	2/13/48	15.25	24,800	1973	3/16/73	18.26	44,400
1949	1/ 5/49	14.36	17,900	1974	1/12/74	12.53	6,820
1950	1/ 7/50	13.94	14,200	1975	3/14/75	15.75	27,000
1951	3/29/51	15.48	26,700	1976	10/19/75	11.53	4,660
1952	12/27/51	12.56	7,650	1977	3/ 5/77	14.57	19,700
1953	2/22/53	13.09	10,500	1978	5/ 9/78	13.13	12,000
1954	1/23/54	12.76	8,800	1979	1/ 3/79	12.29	8,260
1955	3/22/55	17.18	40,000	1980	3/18/80	14.19	17,600
1956	4/ 8/56	11.92	5,950	1981	2/ 4/81	9.68	2,460
1957	2/ 2/57	14.28	18,000	1982	1/25/82	11.87	6,480
1958	11/18/57	13.39	12,200	1983	4/ 6/83	16.70	31,800
1959	2/16/59	10.45	3,070	1984	12/ 4/83	14.62	18,500
1960	3/ 4/60	12.67	8,480	1985	5/ 3/85	10.23	--
1961	2/23/61	11.90	5,950	1986	5/10/86	10.07	--
1962	4/12/62	16.25	32,700	1987	3/ 1/87	10.20	--
1963	3/13/63	14.00	15,900	1988	3/ 5/88	9.99	--
1964	3/16/64	13.45	12,500				

HISTORICAL DATA: The 1955 peak is the highest known since 1916.

c Estimated.

f Discharge is an historical peak.

# 02433500 Tombigbee River at Bigbee, MS

## LOCATION:

Lat 34°00'42", long 88°30'50", SW 1/4 NE 1/4 sec.25, T.12 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, near right bank on downstream side of bridge on State Highway 6, 0.2 mi upstream from St. Louis-San Francisco Railway bridge, 0.5 mi southeast of Bigbee, 2.4 mi northwest of Amory, 3.7 mi upstream from Town Creek, and at mile 383.1.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum is 190.0 ft above sea level. Water-stage recorder for Tombigbee River near Amory (Station 02437000), 4.0 mi downstream, is used as an auxillary gage for this station. Prior to Sept. 9, 1949, nonrecording gage.

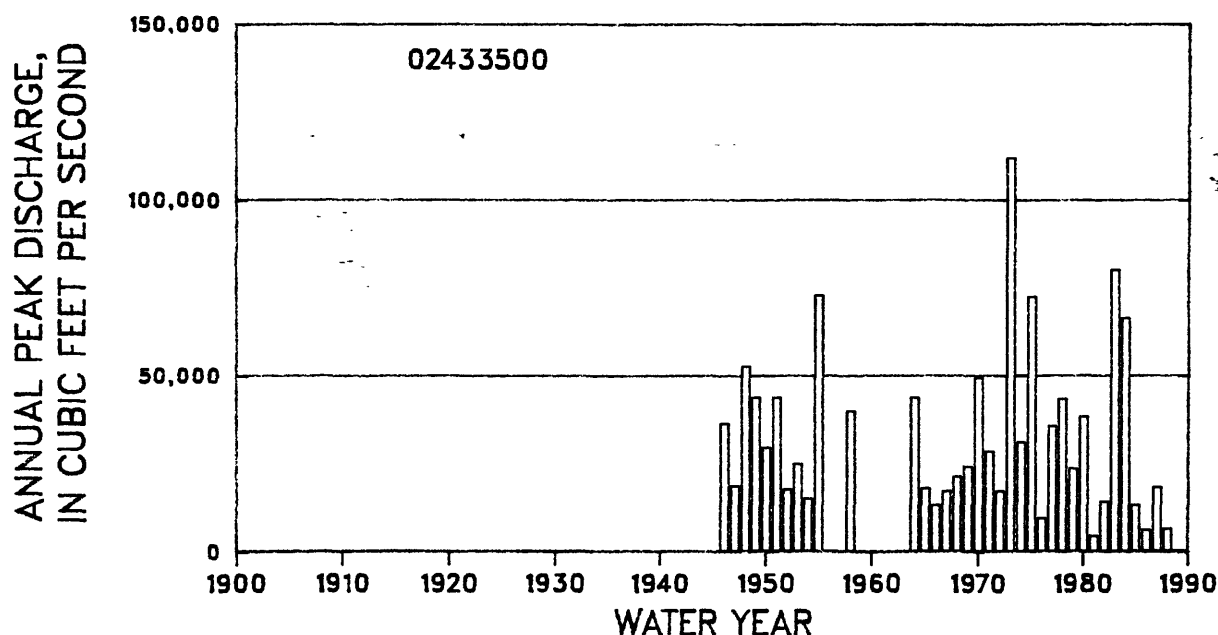
DRAINAGE AREA: 1,230 mi<sup>2</sup>      SLOPE: 1.8 ft/mi      LENGTH: 79.0 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:	MEAN	4.473
	STANDARD DEVIATION	0.234
	SKEW	0.080

	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
T	2	5	10	25	50	100	200	500
STATION	30,000	43,000	58,000	80,000	99,000	121,000	--	183,000

NOTE: Discharges are affected by the Tennessee-Tombigbee Waterway. Statistics of logarithms of annual peak discharge are for natural conditions. The flood-frequency discharges are for existing project conditions and represent combined flow in the natural and regulated channels. These discharges were obtained from the U.S. Army Corps of Engineers, Mobile District (written commun., April 1990).

Graph of annual peak discharges is shown below.



## 02433500 Tombigbee River at Bigbee, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1927	12/ /26	24.20	--	1966	2/16/66	16.67	13,400
1937	1/24/37	15.90	--	1967	5/10/67	16.76	17,300
1938	4/21/38	16.70	--	1968	5/17/68	19.42	21,500
1939	2/17/39	20.00	--	1969	4/16/69	19.70	24,300
1940	4/21/40	18.10	--	1970	1/ 1/70	23.52	49,500
1941	12/16/40	11.10	--	1971	2/24/71	20.04	28,600
1942	3/20/42	15.50	--	1972	1/ 6/72	--	17,300
1944	3/29/44	24.80	--	1973	3/17/73	27.64	112,000
1946	2/11/46	22.52	36,500	1974	1/13/74	20.64	31,200
1947	1/ 4/47	17.93	18,700	1975	3/15/75	24.82	72,500
1948	2/15/48	24.92	52,800	1976	2/22/76	14.40	9,620
1949	1/ 6/49	23.60	43,900	1977	3/ 6/77	21.20	35,800
1950	2/16/50	21.36	29,600	1978	5/10/78	22.65	43,500
1951	3/30/51	23.60	43,900	1979	1/23/79	18.99	23,700
1952	12/29/51	17.28	17,800	1980	3/22/80	21.36	38,500
1953	2/23/53	18.84	25,000	1981	3/30/81	11.62	4,540 g
1954	1/25/54	15.49	15,100	1982	1/25/82	15.75	14,300 g
1955	3/23/55	26.20	73,000 c	1983	12/28/82	25.73	80,100 g
1957	2/ 2/57	23.00	--	1984	12/ 5/83	24.23	66,500 g
1958	11/18/57	22.60	40,000 c	1985	5/ 3/85	15.07	13,400 g
1962	4/13/62	24.40	--	1986	6/12/86	11.61	6,380 g
1964	3/17/64	22.72	43,900	1987	3/ 1/87	17.81	18,500 g
1965	2/14/65	18.35	18,100	1988	1/20/88	12.59	6,650 g

HISTORICAL DATA: The 1927 peak is the highest known since 1890.

c Estimated.

g Discharge affected to an unknown degree by regulation or diversion.

# 02433530 Burkett Creek at Amory, MS

## LOCATION:

Lat 33°59'43", long 88°29'29", NW 1/4 sec.25, T.12 S., R.19 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160101, near center of channel at upstream side of bridge on State Highway 25 at Amory, 0.9 mi upstream from St. Louis-San Francisco Railroad, and 2.0 mi upstream from mouth.

## GAGE:

Continuous-discharge gage, water-stage recorder. Elevation of gage is about 215 ft above sea level (from topographic map). Prior to Oct. 1, 1965, at datum 7.00 ft lower.

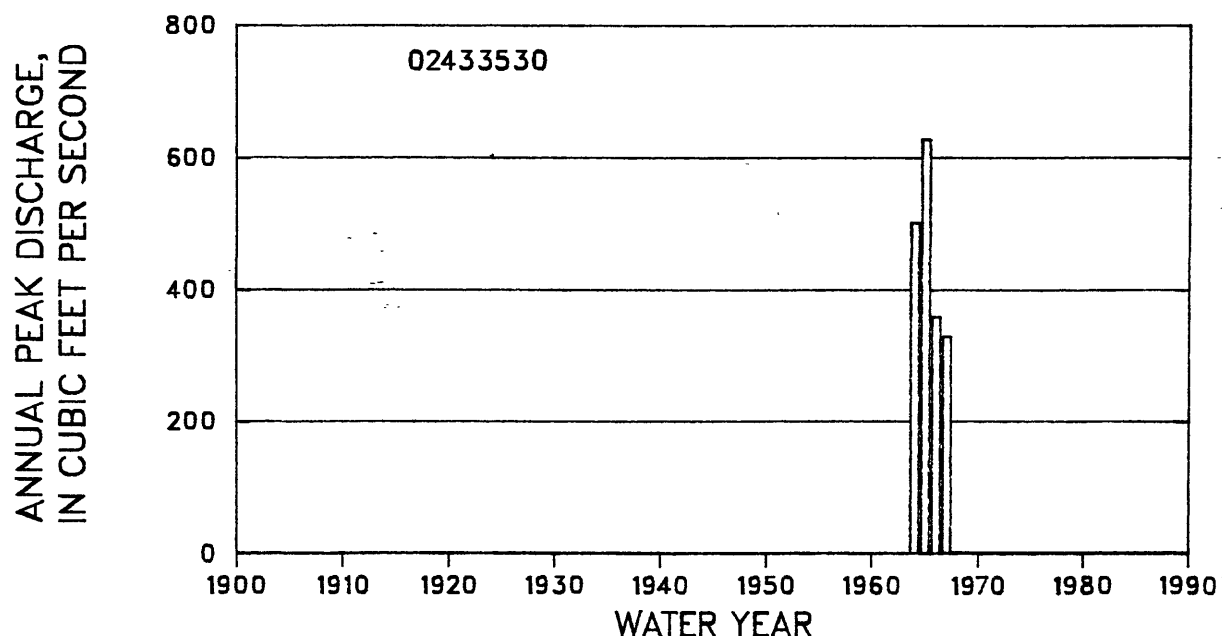
DRAINAGE AREA: 6.60 mi<sup>2</sup> SLOPE: 21.7 ft/mi LENGTH: 5.8 mi

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
REGIONAL	795	1,330	1,740	2,220	2,620	2,950	3,400	3,840

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
REGIONAL	34	27	26	27	29	31	34	38

NOTE: The period of record is insufficient for station flood-frequency analysis; therefore, only regional flood-frequency discharges are presented in this report.

Graph of annual peak discharges is shown below.



## 02433530 Burkett Creek at Amory, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1964	4/ 6/64	12.70 a	503	1966	2/13/66	4.57 b	360
1965	2/12/65	13.67 a	629	1967	2/20/67	4.32	330

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

# 02434000 Town Creek at Tupelo, MS

## LOCATION:

Lat 34°17'39", long 88°42'32", SW 1/4 SE 1/4 sec.18, T.9 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, on left bank 50 ft downstream from bridge on U.S. Highway 45, and 0.5 mi north from city limits of Tupelo.

## GAGE:

Crest-stage gage. Datum of gage is 243.84 ft above sea level. Nonrecording gage prior to July 23, 1949. Prior to March 15, 1949, at site 2.8 mi downstream at datum 7.94 ft lower. Water-stage recorder July 23, 1949, to April 15, 1975.

DRAINAGE AREA: 111 mi<sup>2</sup>      SLOPE: 8.2 ft/mi      LENGTH: 20.2 mi

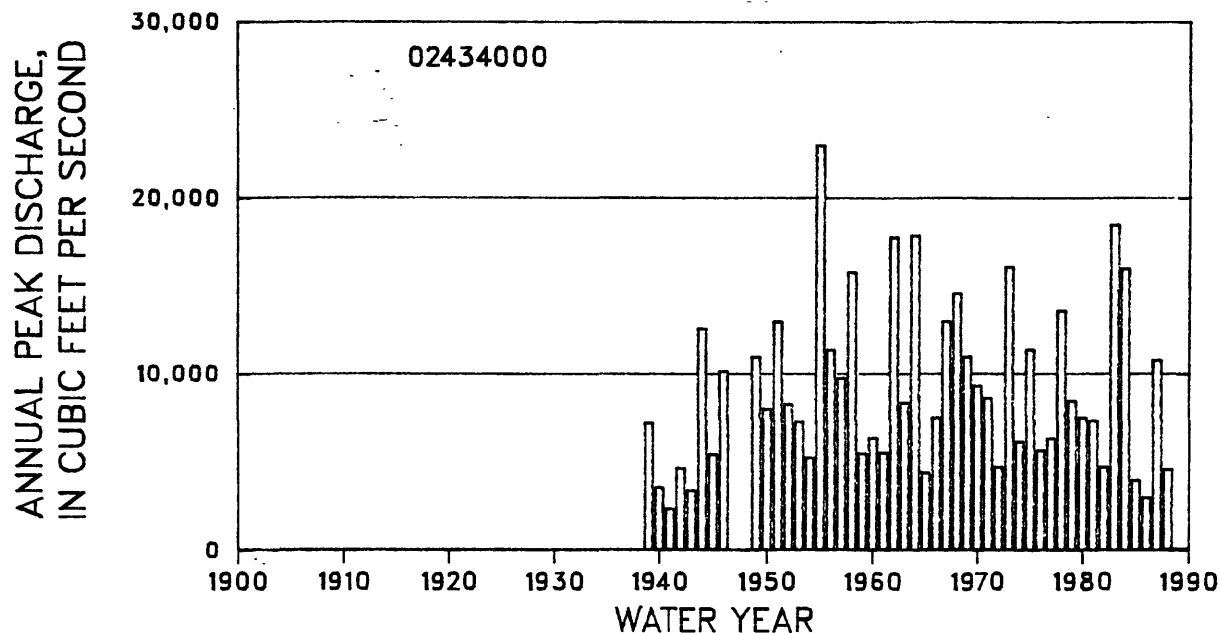
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN    3.918  
    STANDARD DEVIATION    0.210  
    SKEW        0.061

	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
T	2	5	10	25	50	100	200	500
STATION	8,250	12,400	15,500	19,500	22,700	26,100	29,600	34,600
REGIONAL	4,850	8,580	11,500	14,900	17,600	20,100	23,200	26,600
WEIGHTED	8,030	12,000	14,900	18,500	21,300	24,200	27,400	31,500

	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
T	2	5	10	25	50	100	200	500
STATION	8	8	10	13	16	19	23	28
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	7	8	9	12	14	16	19	22

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 48

Graph of annual peak discharges is shown below.





## 02434000 Town Creek at Tupelo, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1939	4/ 6/39	23.30 a	7,250	1965	3/26/65	23.60	4,420
1940	3/14/40	20.60 a	3,560	1966	2/10/66	24.85	7,550
1941	11/ 1/40	17.10 a	2,360	1967	5/ 7/67	25.49	13,000
1942	3/17/42	22.00 a	4,660	1968	5/15/68	25.27	14,600
1943	12/27/42	20.30 a	3,390	1969	4/14/69	24.35	11,000
1944	3/28/44	24.34 a	12,600	1970	3/20/70	23.74 d	9,350
1945	1/ 1/45	22.63 a	5,450	1971	2/22/71	23.43	8,660
1946	1/ 8/46	23.90 a	10,200	1972	1/ 4/72	18.71	4,760
1949	unknown	25.50 b	11,000	1973	3/16/73	25.51	16,100
1950	1/ 5/50	24.40	8,040	1974	1/11/74	21.35	6,190
1951	1/ 3/51	26.01	13,000 c	1975	3/13/75	24.48	11,400
1952	12/26/51	24.48	8,320	1976	3/21/76	20.54	5,700
1953	2/21/53	24.09	7,330	1977	3/ 4/77	21.62	6,360
1954	2/20/54	21.88	5,270	1978	5/ 7/78	25.07	13,600
1955	3/21/55	27.72	23,000	1979	4/12/79	23.35	8,500
1956	4/30/56	24.40	11,400	1980	3/21/80	22.82	7,530
1957	2/ 1/57	24.20	9,800	1981	5/26/81	22.71	7,360
1958	11/14/57	25.69	15,800	1982	5/25/82	18.72	4,760
1959	6/10/59	23.70	5,500	1983	5/19/83	25.66	18,500
1960	3/ 3/60	23.98	6,400	1984	12/ 3/83	23.99	16,000
1961	3/ 8/61	23.72	5,560	1985	2/11/85	--	4,000 h
1962	4/11/62	26.56	17,800	1986	6/ 6/86	--	3,000 h
1963	3/12/63	25.00	8,400	1987	11/24/86	20.14	10,800
1964	3/15/64	26.58	17,900	1988	1/19/88	13.96	4,620

HISTORICAL DATA: The 1955 peak is the highest known since 1927.

- a Gage height at different site and (or) datum.
- b Gage datum changed during the water year.
- c Estimated.
- d Gage height not the maximum for the water year.
- h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

# 02434250 Tishomingo Creek near Saltillo, MS

## LOCATION:

Lat 34°24'30", long 88°45'10", on line between secs.2 and 11, T.8 S., R.5 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, near left bank on downstream side of bridge on county highway, 1.0 mi east of Birmingham, and 4.5 mi northwest of Saltillo.

## GAGE:

Continuous-discharge gage, water-stage recorder. Elevation of gage is about 305 ft above sea level (from topographic map).

DRAINAGE AREA: 30.1 mi<sup>2</sup>      SLOPE: 11.8 ft/mi      LENGTH: 16.0 mi

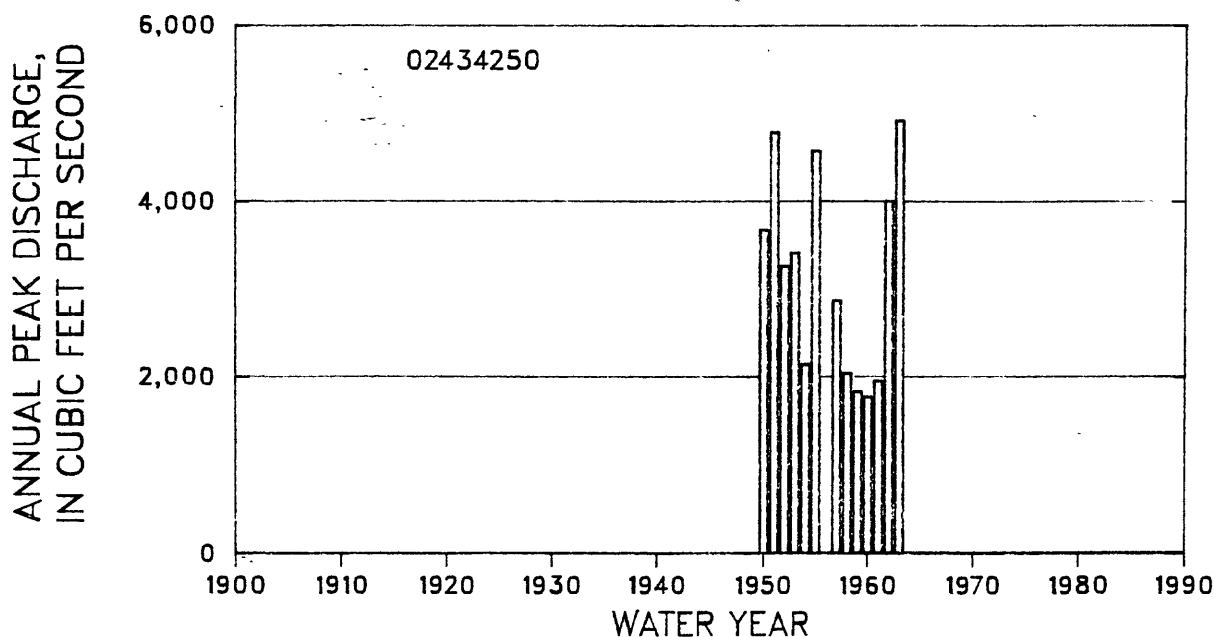
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN      3.474  
    STANDARD DEVIATION      0.166  
    SKEW      0.084

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	2,960	4,100	4,870	5,870	6,630	7,400	8,190	9,270
REGIONAL	1,850	3,190	4,240	5,490	6,500	7,390	8,540	9,770
WEIGHTED	2,810	3,910	4,700	5,730	6,570	7,390	8,380	9,550

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	11	13	15	20	25	30	36	44
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	11	11	13	16	19	21	24	28

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 13

Graph of annual peak discharges is shown below.



## 02434250 Tishomingo Creek near Saltillo, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1950	6/ 3/50	7.65	3,680	1958	11/14/57	10.20	2,050
1951	3/28/51	8.61	4,790	1959	6/ 9/59	9.35	1,840
1952	12/25/51	7.65	3,270	1960	3/ 2/60	9.12	1,780
1953	2/20/53	7.84	3,420	1961	3/ 8/61	9.85	1,960
1954	1/21/54	7.20	2,150	1962	4/11/62	10.65	4,010
1955	3/21/55	10.58	4,580	1963	7/17/63	11.50	4,920
1957	6/ 4/57	8.55	2,880				

# 02434500 Euclautubba Creek at Saltillo, MS

## LOCATION:

Lat 34°22'18", long 88°41'57", SW 1/4 NW 1/4 sec.20, T.8 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, at bridge on U.S. Highway 45 at Saltillo, about 0.2 mi downstream from Flat Creek, and 2.2 upstream from mouth.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 276.96 ft above sea level. Gage heights and occasional discharge measurements prior to October 1951.

DRAINAGE AREA: 19.1 mi<sup>2</sup>      SLOPE: 9.7 ft/mi      LENGTH: 9.2 mi

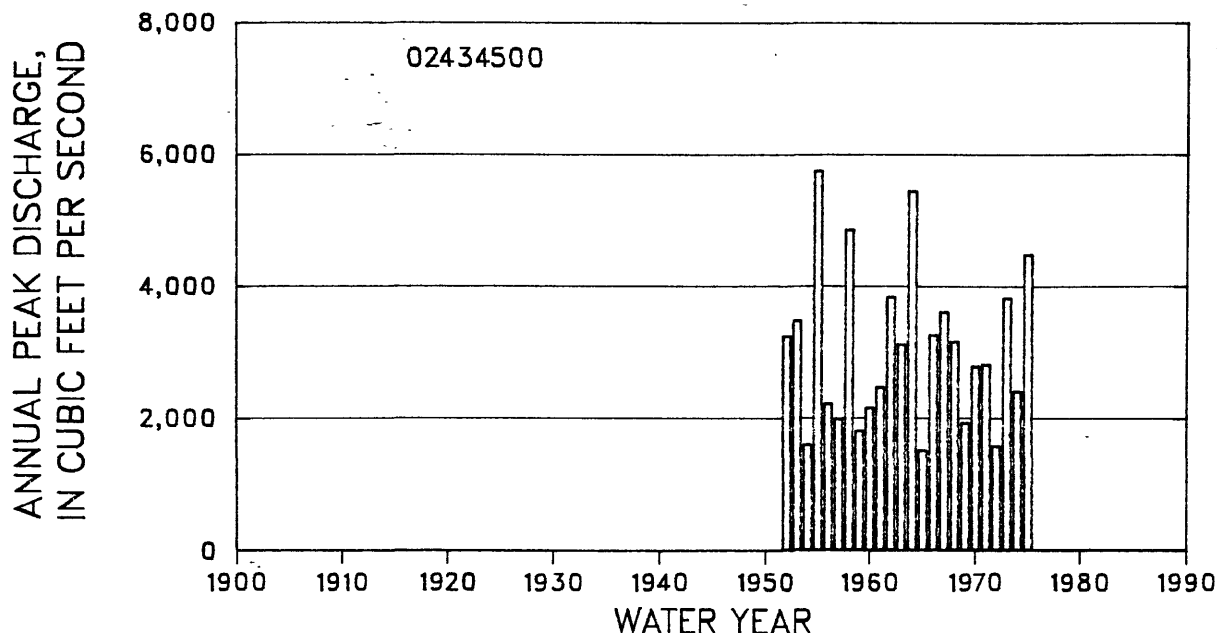
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN      3.447  
    STANDARD DEVIATION      0.162  
    SKEW      0.091

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	2,780	3,830	4,540	5,450	6,150	6,850	7,580	8,570
REGIONAL	1,550	2,610	3,410	4,370	5,130	5,800	6,660	7,570
WEIGHTED	2,690	3,680	4,350	5,180	5,840	6,480	7,220	8,140

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	8	9	11	15	18	22	26	31
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	8	9	10	13	15	18	20	24

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 24

Graph of annual peak discharges is shown below.



## 02434500 Euclautubba Creek at Saltillo, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1949	unknown	13.40	--	1963	7/17/63	13.32	3,120
1950	9/ 2/50	13.14	--	1964	3/14/64	14.60	5,440
1951	1/ 3/51	13.65	--	1965	3/26/65	12.24	1,510
1952	12/26/51	13.33	3,240	1966	2/10/66	13.46	3,260
1953	3/22/53	13.48	3,480	1967	5/ 7/67	13.66	3,610
1954	2/20/54	12.89	1,600	1968	12/11/67	13.40	3,160
1955	3/21/55	14.53	5,750	1969	4/13/69	12.58	1,930
1956	4/ 4/56	13.14	2,220	1970	12/30/69	13.17	2,790
1957	2/ 1/57	13.02	1,990	1971	2/21/71	13.19	2,820
1958	11/14/57	14.26	4,860	1972	1/ 4/72	12.30	1,580
1959	6/ 9/59	12.92	1,810	1973	3/16/73	13.78	3,820
1960	3/ 2/60	13.11	2,160	1974	11/27/73	12.92	2,410
1961	3/ 8/61	13.26	2,470	1975	3/13/75	14.13	4,480
1962	4/11/62	13.62	3,840				

HISTORICAL DATA: The 1955 peak is the highest known since 1927.

# 02435000 Mud Creek at Tupelo, MS

## LOCATION:

Lat 34°15'26", long 88°41'05", NE1 /4 sec.32, T.9 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, at bridge on U.S. Highway 78 in Tupelo, and 1.5 mi upstream from mouth.

## GAGE:

Nonrecording gage. Datum of gage is 236.52 ft above sea level.

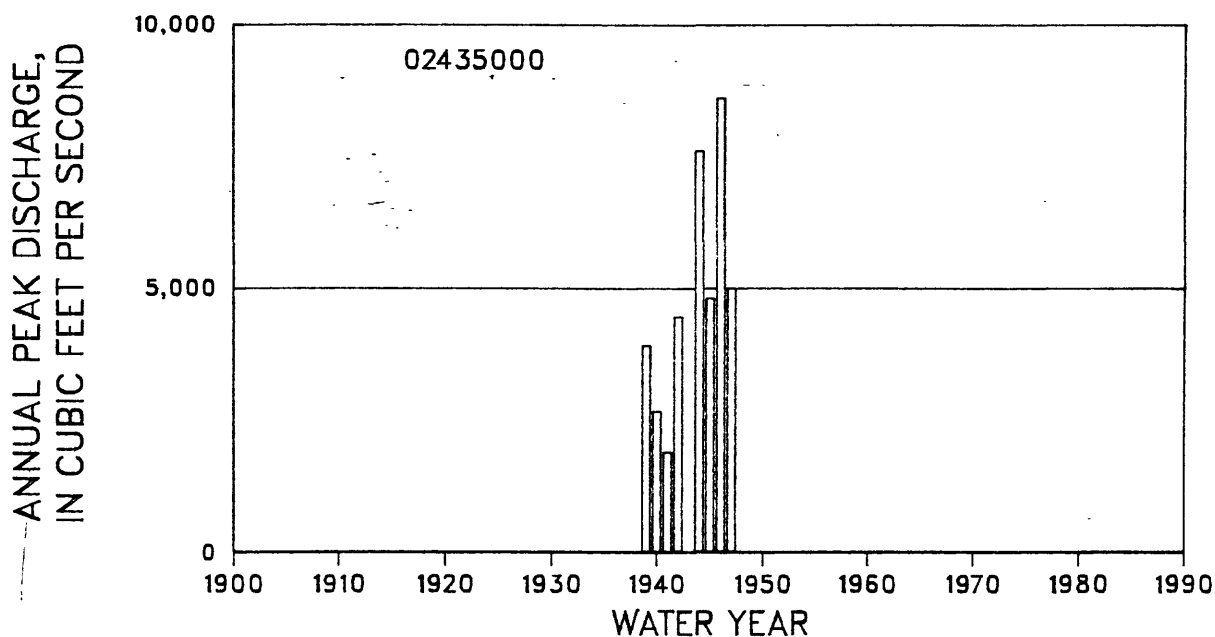
DRAINAGE AREA: 92.0 mi<sup>2</sup> SLOPE: 13.1 ft/mi LENGTH: 20.9 mi

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
REGIONAL	4,170	7,490	10,100	13,200	15,600	17,800	20,700	23,700

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
REGIONAL	34	27	26	27	29	31	34	38

NOTE: The systematic period of record is insufficient for station flood-frequency analysis; therefore, only regional flood-frequency discharges are presented in this report.

Graph of annual peak discharges is shown below.



## 02435000 Mud Creek at Tupelo, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1939	5/22/39	21.60	3,920	1945	1/ 1/45	22.15	4,810
1940	3/13/40	20.00	2,670	1946	2/ 9/46	23.44	8,610
1941	11/ 1/40	17.40	1,900	1947	4/11/47	22.32	5,000
1942	3/17/42	22.00	4,460	1948	unknown	24.40	--
1944	3/28/44	23.20	7,610				

# 02435012 Truck Stop Ditch near Tupelo, MS

## LOCATION:

Lat 34°17'40", long 88°45'20", NE 1/4 NE 1/4 NE 1/4 sec.22, T.9 S., R.5 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, at culvert on U.S. Highway 78, and 2.6 mi west from intersection of U.S. Highway 78 and 45 in Tupelo.

## GAGE:

Crest-stage gage. Elevation of gage is about 310 ft above sea level (from topographic map). From May 21, 1965, to Sept. 30, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.22 mi<sup>2</sup>      SLOPE: 46.2 ft/mi      LENGTH: 0.7 mi

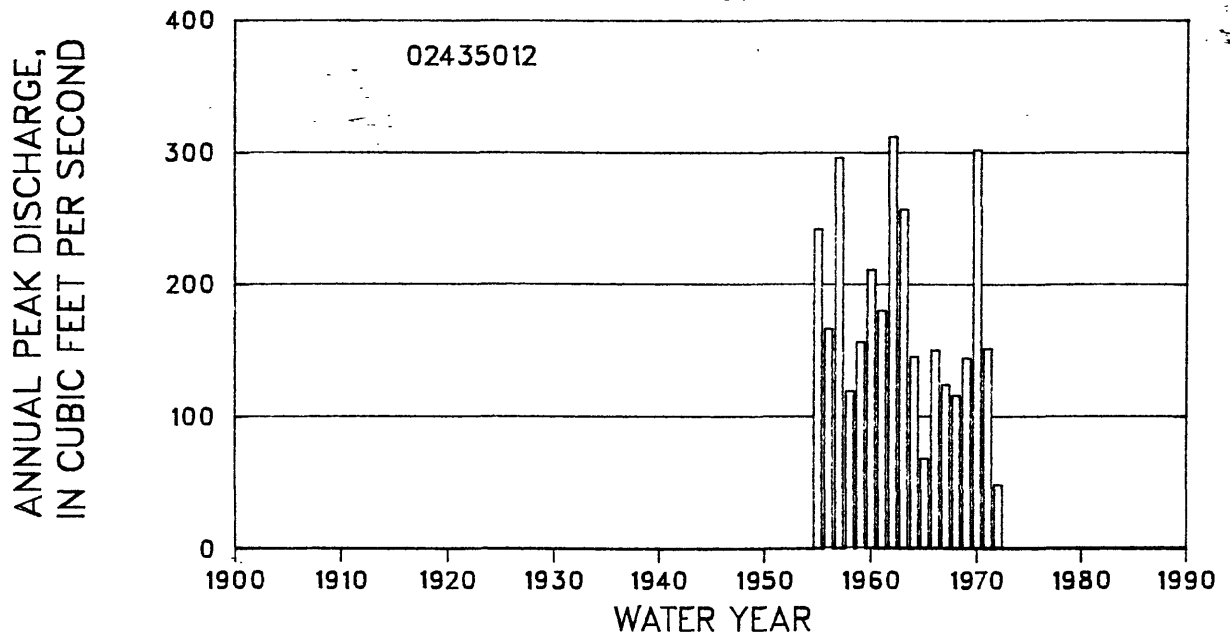
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN 2.218  
STANDARD DEVIATION 0.187  
SKEW -0.011

	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
T	2	5	10	25	50	100	200	500
STATION	165	237	287	350	398	448	498	566
REGIONAL	111	169	212	262	305	335	381	422
WEIGHTED	159	224	268	319	359	395	438	486

	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
T	2	5	10	25	50	100	200	500
STATION	11	12	14	18	22	27	32	39
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	10	11	12	15	18	20	23	27

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 18

Graph of annual peak discharges is shown below.





## 02435012 Truck Stop Ditch near Tupelo, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	3/21/55	6.19	242	1964	3/14/64	4.83	145
1956	unknown	4.99	166	1965	3/26/65	3.54	68
1957	4/ 4/57	6.86	296	1966	2/10/66	4.94	150
1958	11/15/57	4.49	119	1967	8/ 3/67	4.53	124
1959	6/ 9/59	5.16	156	1968	4/27/68	4.40	116
1960	12/27/59	5.69	211	1969	4/14/69	4.86	144
1961	8/15/61	5.41	180	1970	5/11/70	7.29	302
1962	4/11/62	7.69	312	1971	3/25/71	4.96	151
1963	3/11/63	7.02	257	1972	1/ 4/72	3.14	48

# 02435020 Town Creek at Eason Boulevard at Tupelo, MS

## LOCATION:

Lat 34°14'08", long 88°41'43", on line between secs.5 and 8, T.10 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, on left bank at downstream side of bridge on Eason Boulevard in Tupelo, 400 ft upstream from Kings Creek, 0.2 mi downstream from Mud Creek, 0.4 mi downstream from St. Louis and San Francisco Railroad, 2.0 mi upstream from Tulip Creek, and 22.8 mi upstream from mouth.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 230.0 ft above sea level.

DRAINAGE AREA: 233 mi<sup>2</sup>      SLOPE: 6.9 ft/mi      LENGTH: 24.6 mi

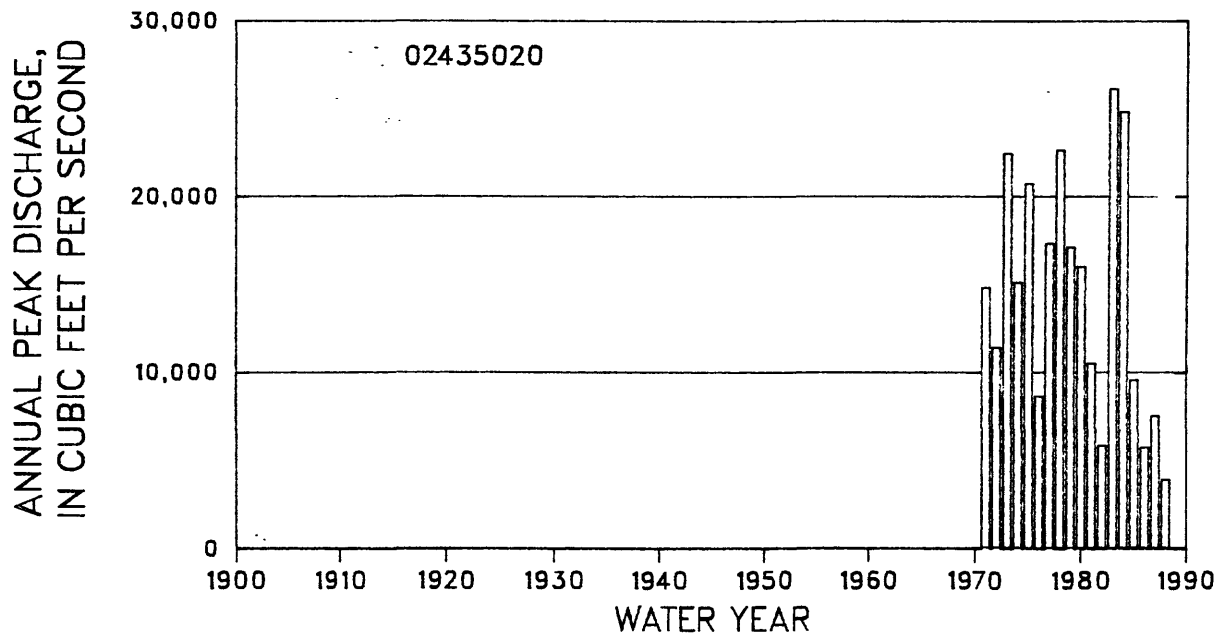
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN    4.094  
    STANDARD DEVIATION    0.237  
    SKEW    -0.197

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	12,600	19,700	24,700	31,100	36,000	40,900	45,800	52,500
REGIONAL	8,190	14,800	19,900	25,800	30,500	34,800	40,300	46,200
WEIGHTED	11,800	18,500	23,200	29,000	33,500	37,800	42,700	48,800

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	14	14	16	21	26	31	37	45
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	13	13	14	16	19	22	24	28

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 18

Graph of annual peak discharges is shown below.



## 02435020 Town Creek at Eason Boulevard at Tupelo, MS---Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1971	2/22/71	25.09	14,800	1980	3/21/80	26.31	16,000
1972	1/ 4/72	23.50	11,400	1981	5/26/81	24.81	10,500
1973	3/16/73	27.05	22,400	1982	1/ 3/82	21.59	5,840
1974	1/11/74	25.21	15,100	1983	5/19/83	27.39	26,100
1975	3/13/75	26.70	20,700	1984	12/ 4/83	27.18	24,800
1976	1/ 3/76	23.40	8,650	1985	4/22/85	23.60	9,570
1977	3/ 4/77	26.34	17,300	1986	6/ 6/86	19.73	5,730
1978	5/ 7/78	27.08	22,600	1987	11/23/86	21.96	7,520
1979	4/12/79	26.32	17,100	1988	2/15/88	15.72	3,880

HISTORICAL DATA: The 1983 peak is the highest known since 1955.

# 02435300 Cow Pike Pass near Tupelo, MS

## LOCATION:

Lat 34°16'00", long 88°37'10", SW 1/4 SE 1/4 SE 1/4 sec.25, T.9 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, at culvert on U.S. Highway 78, and 5.5 mi east of Tupelo.

## GAGE:

Crest-stage gage. Elevation of gage is about 285 ft above sea level (from topographic map). From May 21, 1965, to Sept. 30, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.14 mi<sup>2</sup> SLOPE: 52.9 ft/mi LENGTH: 0.6 mi

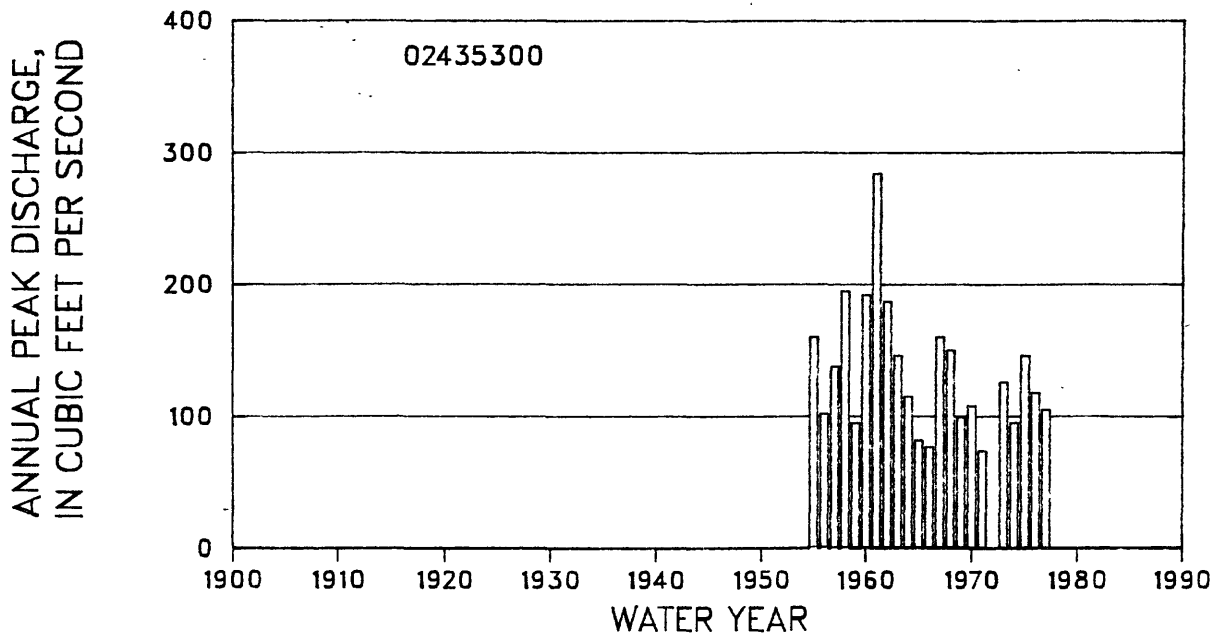
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.103  
STANDARD DEVIATION 0.147  
SKEW 0.298

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	125	168	198	238	269	301	334	381
REGIONAL	82	123	154	190	221	243	276	305
WEIGHTED	122	163	190	225	253	278	308	344

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	8	9	11	16	19	24	28	35
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	8	9	10	13	16	19	21	25

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 22

Graph of annual peak discharges is shown below.



## 02435300 Cow Pike Pass near Tupelo, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	3/21/55	6.75	160	1966	5/15/66	4.58	77
1956	unknown	5.29	102	1967	8/ 3/67	6.74	160
1957	7/ 1/57	6.22	138	1968	8/15/68	6.49	150
1958	unknown	7.54	195	1969	4/14/69	5.21	99
1959	unknown	5.12	95	1970	4/25/70	5.46	108
1960	12/27/59	7.49	192	1971	2/21/71	4.50	74
1961	8/15/61	10.47	284	1973	3/16/73	5.91	126
1962	4/11/62	7.36	187	1974	11/26/73	5.10	95
1963	3/11/63	6.42	146	1975	3/29/75	6.39	146
1964	3/14/64	5.62	115	1976	3/21/76	5.69	118
1965	9/11/65	4.72	82	1977	3/ 4/77	5.38	105

# 02435400 Clear Branch near Tupelo, MS

## LOCATION:

Lat 34°15'30", long 88°39'38", SW 1/4 SE 1/4 NW 1/4 sec.34, T.9 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, at culvert on U.S. Highway 78, and 1.3 mi east of Tupelo.

## GAGE:

Crest-stage gage. Elevation of gage is about 285 ft above sea level (from topographic map). From May 6, 1965, to Oct. 1, 1973, rain-gage and water-stage recorders also.

DRAINAGE AREA: 0.75 mi<sup>2</sup>      SLOPE: 47.5 ft/mi      LENGTH: 1.6 mi

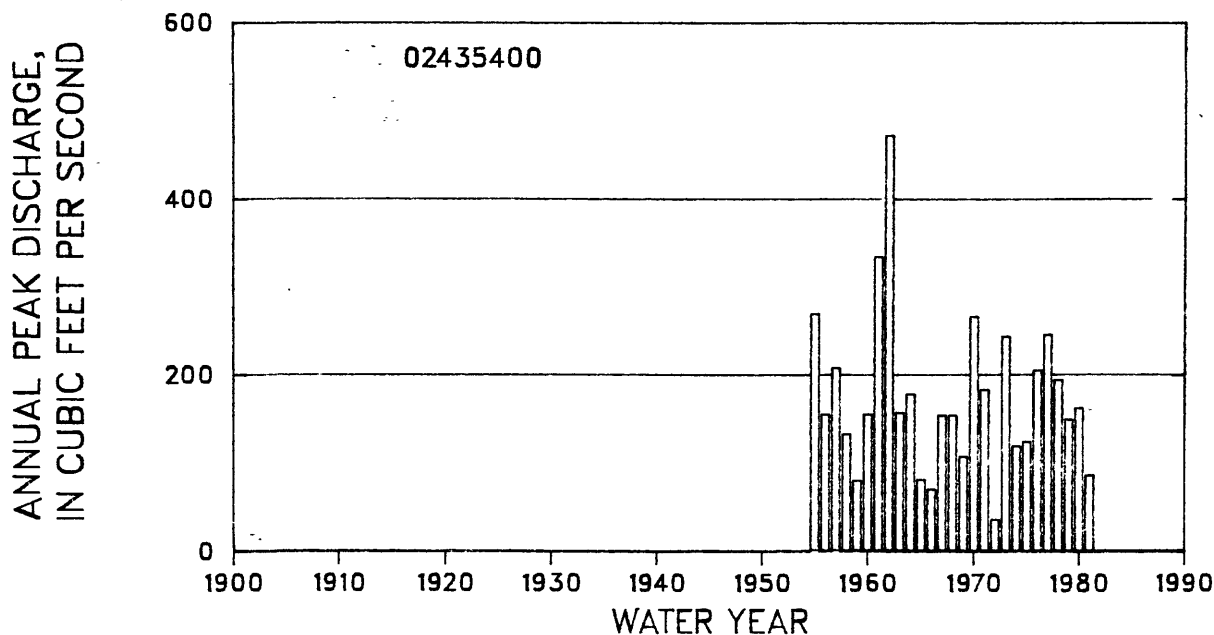
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN 2.201  
STANDARD DEVIATION 0.203  
SKEW 0.145

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	157	235	291	369	430	496	565	663
REGIONAL	222	354	455	572	671	745	854	954
WEIGHTED	161	249	320	422	508	590	686	799

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	10	11	13	18	22	27	32	39
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	9	10	12	15	17	20	23	26

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 27

Graph of annual peak discharges is shown below.



## 02435400 Clear Branch near Tupelo, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	3/21/55	6.30	269	1970	5/11/70	6.31	266
1956	unknown	5.07	155	1971	10/12/70	5.48	183
1957	7/ 1/57	5.61	208	1972	1/ 4/72	3.50	36
1958	11/15/57	5.04	133	1973	3/16/73	6.08	243
1959	2/13/59	--	80 c	1974	11/26/73	4.74	119
1960	12/27/59	5.32	155	1975	3/13/75	4.80	124
1961	8/15/61	6.90	334	1976	3/21/76	5.70	205
1962	4/11/62	8.23	472	1977	3/ 4/77	6.10	245
1963	3/11/63	5.17	157	1978	5/ 7/78	5.59	194
1964	3/14/64	5.38	178	1979	4/12/79	5.10	149
1965	2/11/65	4.20	81	1980	3/17/80	5.24	162
1966	2/10/66	4.05	70	1981	3/29/81	4.29	86
1967	8/ 3/67	5.15	154	1982	3/31/82	6.78	--
1968	7/29/68	5.15	154	1983	12/26/82	7.60	--
1969	4/14/69	4.59	107				

c Estimated.

# 02435500 Town Creek near Verona, MS

## LOCATION:

Lat 34°11'41", long 88°40'57", SW 1/4 sec.21, T.10 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, at bridge on Verona-Plantersville Road, 1.0 mi downstream from Tulip Creek, 1.2 mi southwest of Plantersville, 2.2 mi east of Verona, and 3.0 mi downstream from Mud Creek.

## GAGE:

Continuous-discharge gage, water-stage recorder. Nonrecording prior to September 1943. Datum of gage is 221.00 ft above sea level.

DRAINAGE AREA: 271 mi<sup>2</sup>      SLOPE: 6.2 ft/mi      LENGTH: 27.6 mi

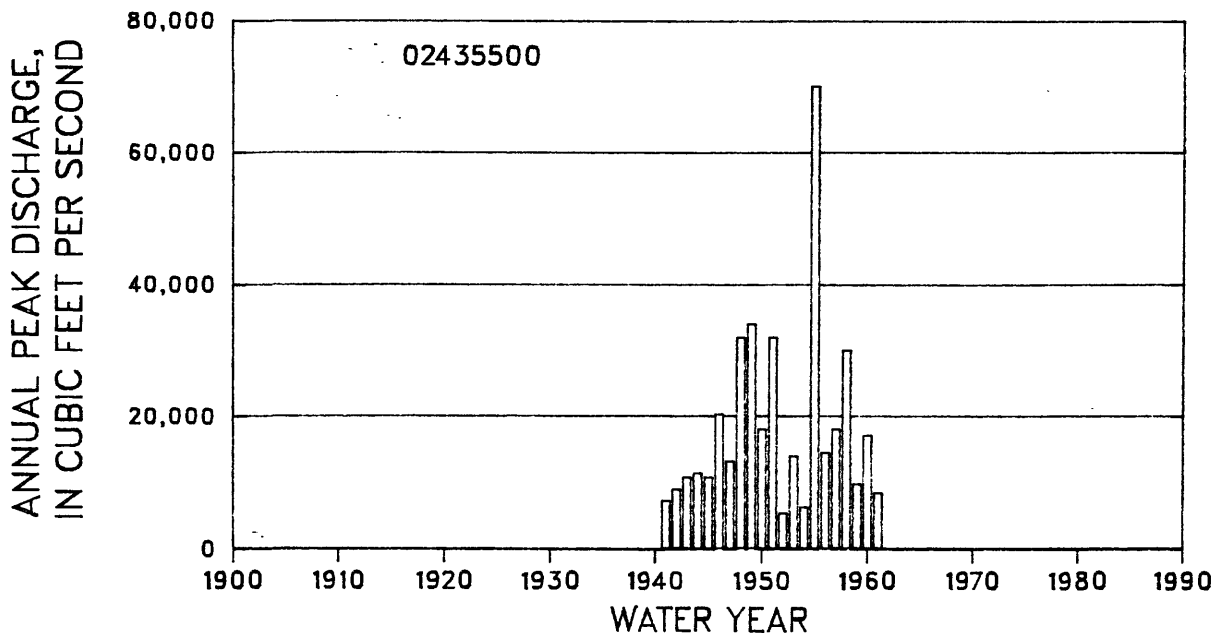
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN      4.152  
    STANDARD DEVIATION      0.244  
    SKEW      0.275

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	13,800	22,600	29,600	40,000	48,800	58,700	69,800	86,400
REGIONAL	8,850	16,000	21,500	28,000	33,100	37,800	43,700	50,300
WEIGHTED	13,000	20,700	26,400	33,600	39,200	44,600	51,100	59,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	13	15	19	26	33	41	49	61
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	12	13	15	19	21	24	27	31

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 21

Graph of annual peak discharges is shown below.





## 02435500 Town Creek near Verona, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1941	11/ 1/40	24.00	7,300	1952	3/10/52	21.85	5,400
1942	3/17/42	25.20	9,000	1953	2/21/53	25.80	14,000
1943	3/13/43	25.90	10,800	1954	1/22/54	23.00	6,300
1944	3/28/44	26.42	11,400	1955	3/21/55	29.40	70,000 c
1945	1/ 1/45	26.16	10,800	1956	5/ 1/56	26.70	14,500
1946	1/ 8/46	27.80	20,300	1957	2/ 1/57	27.00	18,000
1947	4/11/47	26.50	13,200	1958	11/14/57	28.00	30,000
1948	2/13/48	28.10	32,000	1959	6/11/59	25.90	9,800
1949	11/19/48	28.20	34,000	1960	12/18/59	27.00	17,100
1950	1/ 6/50	27.00	18,000	1961	3/ 9/61	26.70	8,470
1951	1/ 4/51	28.10	32,000				

HISTORICAL DATA: The 1955 peak is the highest known since 1892.

c Estimated.

# 02435800 Coonewah Creek at Shannon, MS

## LOCATION:

Lat 34°08'17", long 88°43'08", SE 1/4 sec.12, T.11 S., R.5 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, on downstream side of bridge on U.S. Highway 45, 1.0 mi north of Shannon, and 4.5 mi upstream from mouth.

## GAGE:

Crest-stage gage. Datum of gage is 229.67 ft above sea level.

DRAINAGE AREA: 53.1 mi<sup>2</sup> SLOPE: 9.7 ft/mi LENGTH: 20.8 mi

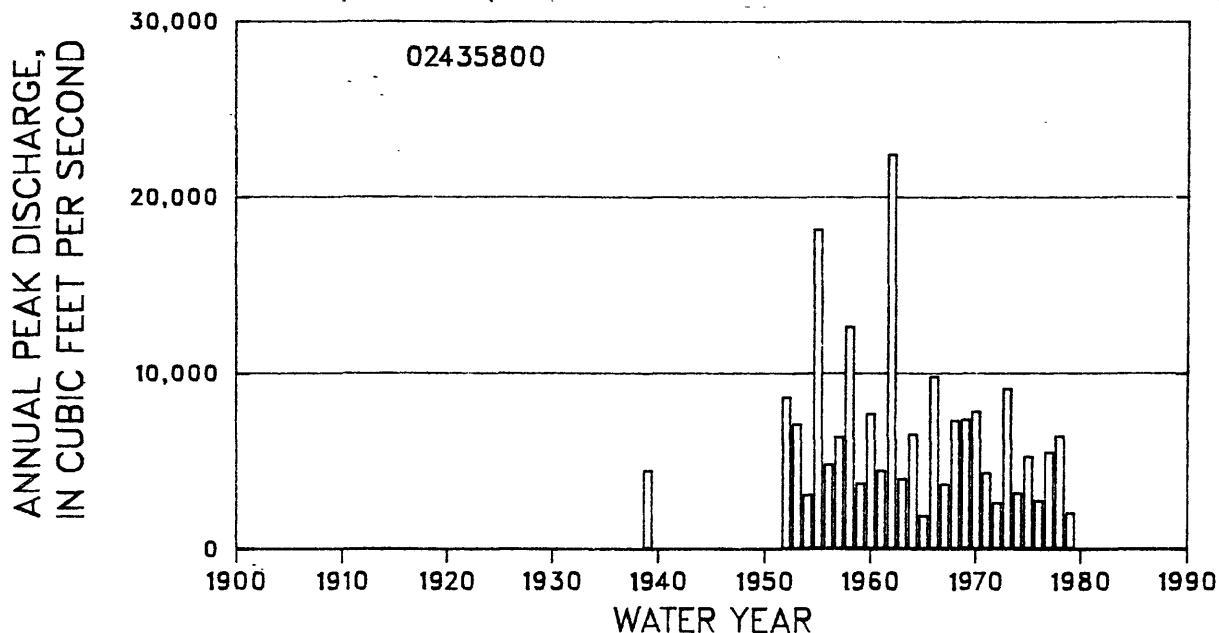
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.732  
STANDARD DEVIATION 0.244  
SKEW 0.193

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	5,300	8,610	11,200	15,000	18,100	21,600	25,400	31,100
REGIONAL	2,650	4,630	6,170	8,020	9,500	10,800	12,500	14,400
WEIGHTED	4,930	7,650	9,520	11,800	13,500	15,100	17,100	19,500

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	11	13	16	21	26	32	38	47
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	11	12	13	17	19	22	25	29

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 29

Graph of annual peak discharges is shown below.



## 02435800 Coonewah Creek at Shannon, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1939	6/17/39	15.35	4,470	1970	5/11/70	17.86	7,800
1952	12/26/51	16.90	8,600	1971	2/21/71	17.02	4,300
1953	2/20/53	16.43	7,090	1972	1/ 4/72	16.36	2,600
1954	2/20/54	14.42	3,050	1973	3/16/73	18.57	9,100
1955	3/21/55	18.70	18,100	1974	11/27/73	16.48	3,150
1956	4/30/56	15.58	4,790	1975	3/13/75	17.25	5,250
1957	2/ 1/57	16.17	6,360	1976	3/21/76	16.32	2,710
1958	11/16/57	17.83	12,600	1977	3/ 4/77	17.35	5,470
1959	6/ 9/59	14.83	3,700	1978	5/ 7/78	17.66	6,400
1960	12/27/59	16.62	7,660	1979	4/12/79	16.09	2,000
1961	2/21/61	15.33	4,430	1980	3/17/80	14.89	--
1962	4/11/62	19.57	22,400	1981	5/26/81	13.92	--
1963	3/11/63	15.07	3,960	1982	4/ 2/82	15.11	--
1964	3/14/64	16.61	6,500	1983	12/26/82	17.48	--
1965	2/11/65	13.19	1,850	1984	12/ 3/83	16.88	--
1966	2/10/66	17.10	9,800	1985	5/ 1/85	13.89	--
1967	3/ 6/67	15.22	3,650	1986	3/19/86	15.16	--
1968	5/14/68	16.94	7,300	1987	11/24/86	15.32	--
1969	2/ 2/69	16.96	7,350	1988	4/18/88	12.69	--

HISTORICAL DATA: The 1955 peak is the highest known since 1927.

# 02435920 Cotton Gin Branch near Tupelo, MS

## LOCATION:

Lat 34°14'10", long 88°50'20", SE 1/4 SW 1/4 SW 1/4 sec.1, T.10 S., R.4 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, at culvert on State Highway 6, 7.5 mi west of Tupelo.

## GAGE:

Crest-stage gage. Assumed datum. From May 21, 1965, to Sept. 30, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.30 mi<sup>2</sup> SLOPE: 40.7 ft/mi LENGTH: 1.1 mi

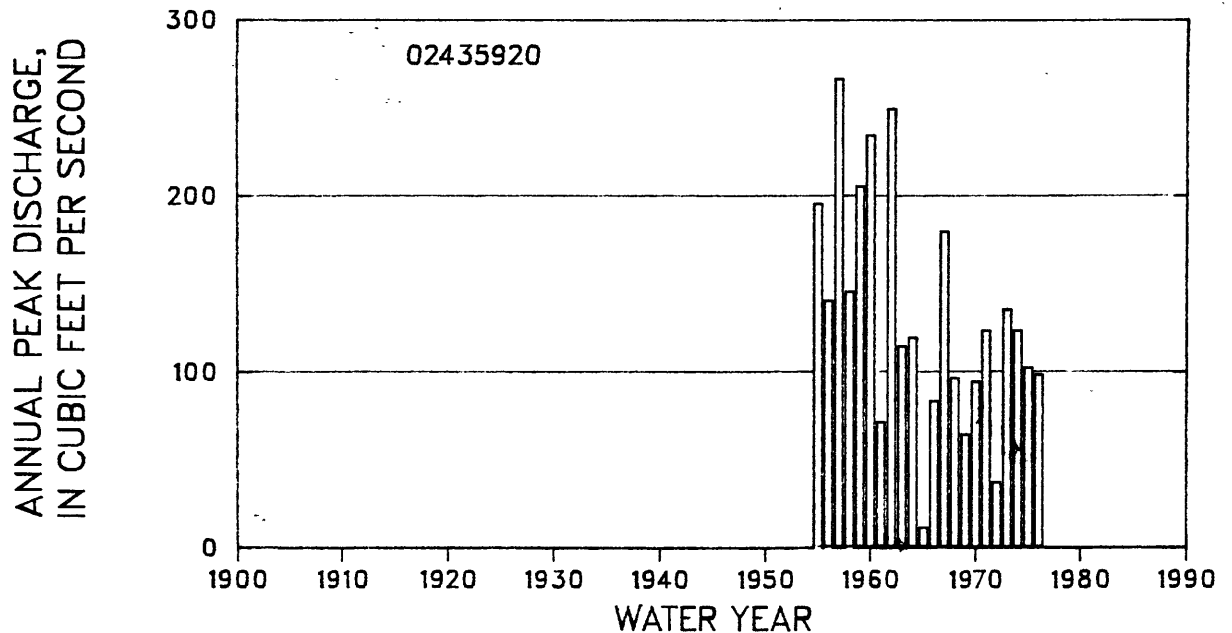
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.075  
STANDARD DEVIATION 0.221  
SKEW -0.092

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	120	183	227	285	330	375	422	486
REGIONAL	121	185	234	291	340	376	429	477
WEIGHTED	120	183	229	287	334	375	425	481

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	12	12	14	19	23	28	33	40
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	11	11	13	15	18	20	23	27

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 22

Graph of annual peak discharges is shown below.



## 02435920 Cotton Gin Branch near Tupelo, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	3/21/55	5.14	195	1966	2/10/66	3.67	83
1956	unknown	4.47	140	1967	7/ 9/67	4.98	179
1957	4/ 4/57	5.95	266	1968	4/27/68	3.86	96
1958	11/15/57	4.53	145	1969	4/14/69	3.35	64
1959	6/ 9/59	5.27	205	1970	12/30/69	3.83	94
1960	12/27/59	5.60	234	1971	2/21/71	4.24	123
1961	12/29/60	3.45	71	1972	12/ 3/71	2.84	37
1962	4/11/62	5.77	249	1973	3/16/73	4.41	135
1963	7/17/63	4.11	114	1974	1/22/74	4.24	123
1964	3/14/64	4.17	119	1975	3/29/75	3.95	102
1965	8/ 8/65	2.20	11	1976	3/21/76	3.87	98

# 02435930 Shell Creek near Tupelo, MS

## LOCATION:

Lat 34°14'13", long 88°49'13", NW 1/4 SE 1/4 SW 1/4 sec.6, T.10 S., R.5 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, at culvert on state Highway 6, 6.6 mi west of Tupelo.

## GAGE:

Crest-stage gage. Assumed datum. From May 21, 1965, to Sept. 30, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.20 mi<sup>2</sup> SLOPE: 28.3 ft/mi LENGTH: 0.8 mi

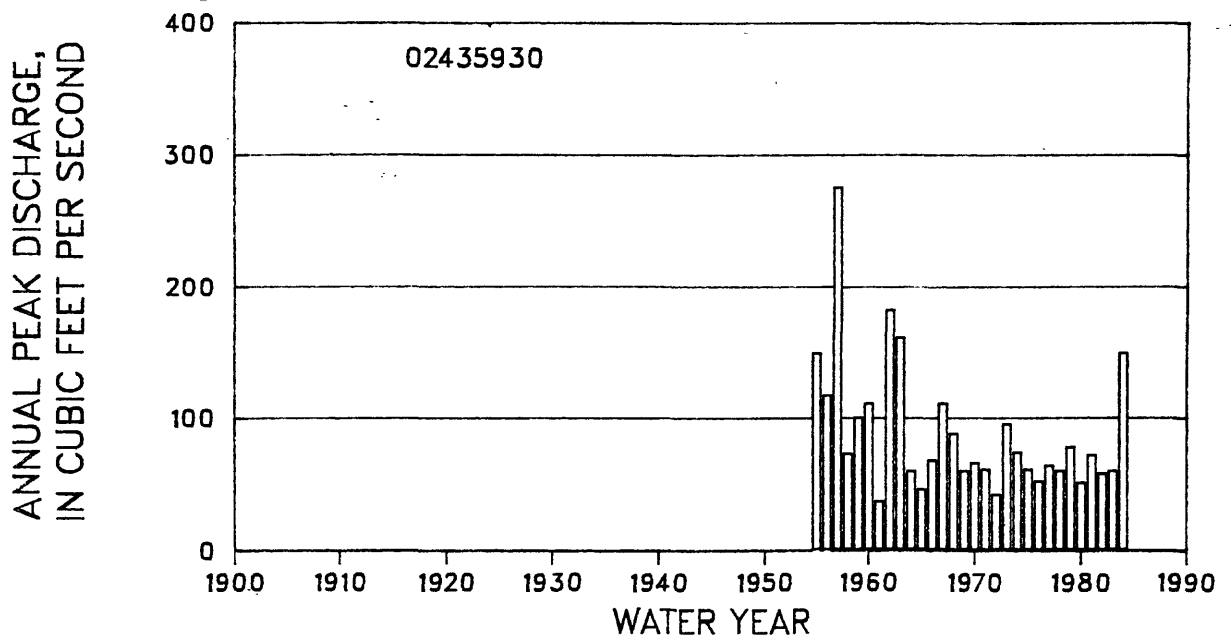
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 1.900  
STANDARD DEVIATION 0.203  
SKEW 0.478

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	76	116	147	193	233	277	326	400
REGIONAL	96	144	179	220	255	282	319	354
WEIGHTED	78	120	154	203	243	279	322	371

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	11	14	20	26	32	39	49
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	9	10	12	16	19	22	25	29

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 30

Graph of annual peak discharges is shown below.



## 02435930 Shell Creek near Tupelo, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	3/21/55	5.70	149	1970	12/30/69	4.15	66
1956	unknown	5.14	117	1971	2/21/71	4.06	61
1957	6/ 4/57	7.53	275	1972	5/ 7/72	3.60	42
1958	11/15/57	4.30	73	1973	3/16/73	4.74	95
1959	6/ 9/59	4.83	100	1974	1/22/74	4.33	74
1960	12/27/59	5.05	111	1975	6/10/75	4.06	61
1961	2/21/61	3.46	37	1976	3/21/76	3.86	52
1962	4/11/62	6.28	182	1977	3/ 4/77	4.11	64
1963	3/11/63	5.91	161	1978	5/ 7/78	4.29	60
1964	3/14/64	4.05	60	1979	4/12/79	4.41	78
1965	3/26/65	3.71	46	1980	3/17/80	3.82	51
1966	2/10/66	4.21	68	1981	5/26/81	4.28	72
1967	7/ 9/67	5.06	111	1982	1/ 3/82	4.01	58
1968	4/27/68	4.59	88	1983	4/ 5/83	4.06	60
1969	4/14/69	4.04	60	1984	5/ 8/84	5.70	149

# 02436000 Chiwapa Creek at Shannon, MS

## LOCATION:

Lat 34°06'35", long 88°43'20", SE 1/4 sec.24, T.11 S., R.5 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, at downstream side of bridge on U.S. Highway 45W at Shannon, and 0.7 mi upstream from Gulf, Mobile, and Ohio Railroad bridge.

## GAGE:

Crest-stage gage. Datum of gage is 226.96 ft above sea level. Nonrecording gage from February 1939 to September 1940, at datum 5.06 ft higher than present datum. Water-stage recorder from July 1949 to September 1967.

DRAINAGE AREA: 145 mi<sup>2</sup>      SLOPE: 7.4 ft/mi      LENGTH: 24.0 mi

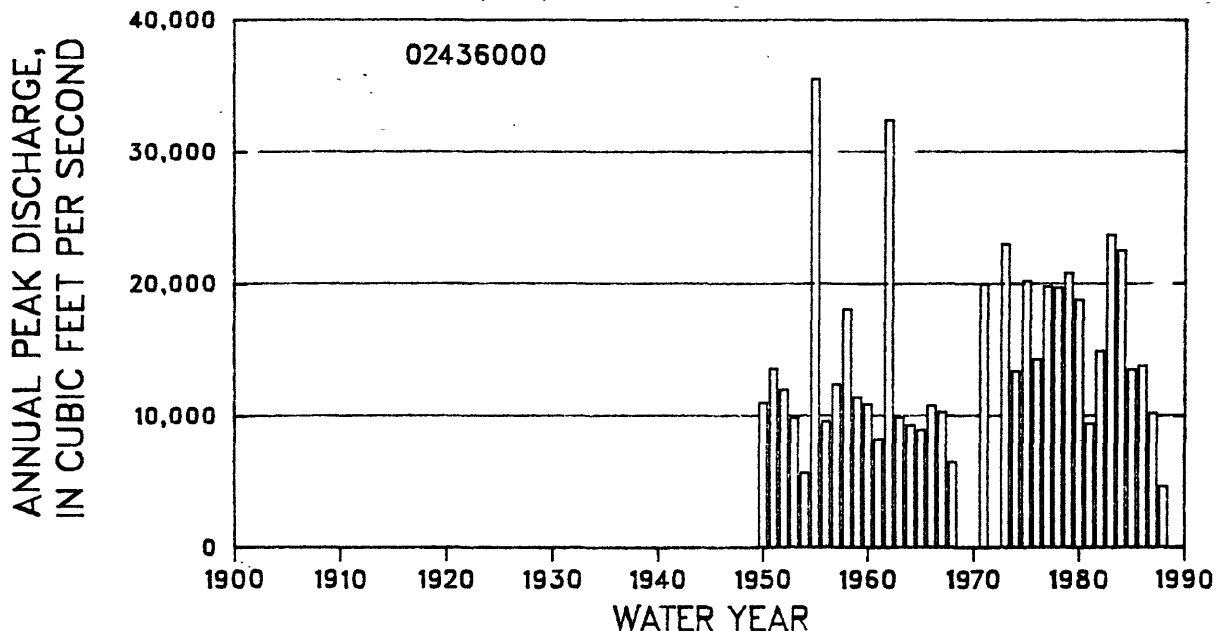
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:	MEAN	4.188
	STANDARD DEVIATION	0.192
	SKEW	0.027

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	13,100	19,100	23,200	28,600	32,800	37,100	41,600	47,700
T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	7	8	9	12	14	17	21	25

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 47

NOTE: Discharges are affected by channelization. The slope and length may not be fully representative of current conditions. The statistics of logarithms of annual peak discharge and the flood-frequency discharges are for current conditions. The discharges are unweighted station estimates based on entire period of record (1950-88).

Graph of annual peak discharges is shown below.





## 02436000 Chiwapa Creek at Shannon, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1950	9/ 3/50	13.41	11,000	1969	4/13/69	12.12	--
1951	1/ 3/51	13.95	13,600	1970	5/11/70	12.33	--
1952	12/26/51	13.59	12,000	1971	2/21/71	12.51	20,000 j
1953	2/21/53	13.44	9,880	1973	3/16/73	13.60	23,000 j
1954	5/ 1/54	12.30	5,690	1974	1/25/74	9.65	13,400 j
1955	3/21/55	15.72	35,500	1975	3/13/75	12.61	20,200 j
1956	4/30/56	13.40	9,600	1976	3/21/76	10.08	14,300 j
1957	2/ 1/57	13.85	12,400	1977	3/ 4/77	12.48	19,800 j
1958	11/14/57	14.50	18,100	1978	5/ 8/78	12.43	19,700 j
1959	6/10/59	13.71	11,400	1979	4/12/79	12.83	20,800 j
1960	12/18/59	13.59	10,900	1980	3/17/80	12.09	18,800 j
1961	2/21/61	12.75	8,250	1981	5/26/81	7.45	9,420 j
1962	4/11/62	15.90	32,400	1982	4/ 2/82	10.39	14,900 j
1963	7/17/63	13.30	9,900	1983	12/26/82	13.84	23,700 j
1964	3/15/64	13.10	9,300	1984	12/ 3/83	13.43	22,500 j
1965	3/26/65	12.08	8,960	1985	4/24/85	9.80	13,500 j
1966	2/10/66	12.85	10,800	1986	6/ 6/86	9.86	13,800 j
1967	4/26/67	12.66	10,300	1987	12/ 9/86	7.93	10,200 j
1968	1/ 6/68	10.62	6,530	1988	4/18/88	4.42	4,670 j

HISTORICAL DATA: The 1955 peak is the highest known since 1927.

j Discharge affected by urbanization or channelization.

# 02436500 Town Creek near Nettleton, MS

## LOCATION:

Lat 34°03'32", long 88°37'40", NW 1/4 sec.12, T.12 S., R.6 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160102, on right bank at downstream side of bridge on U.S. Highway 45, 1.5 mi downstream from Chiwapa Creek, 2.1 mi south of Nettleton, and 9.2 mi upstream from mouth.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 194.01 ft above sea level.

DRAINAGE AREA: 620 mi<sup>2</sup>      SLOPE: 6.9 ft/mi      LENGTH: 38.2 mi

## STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:

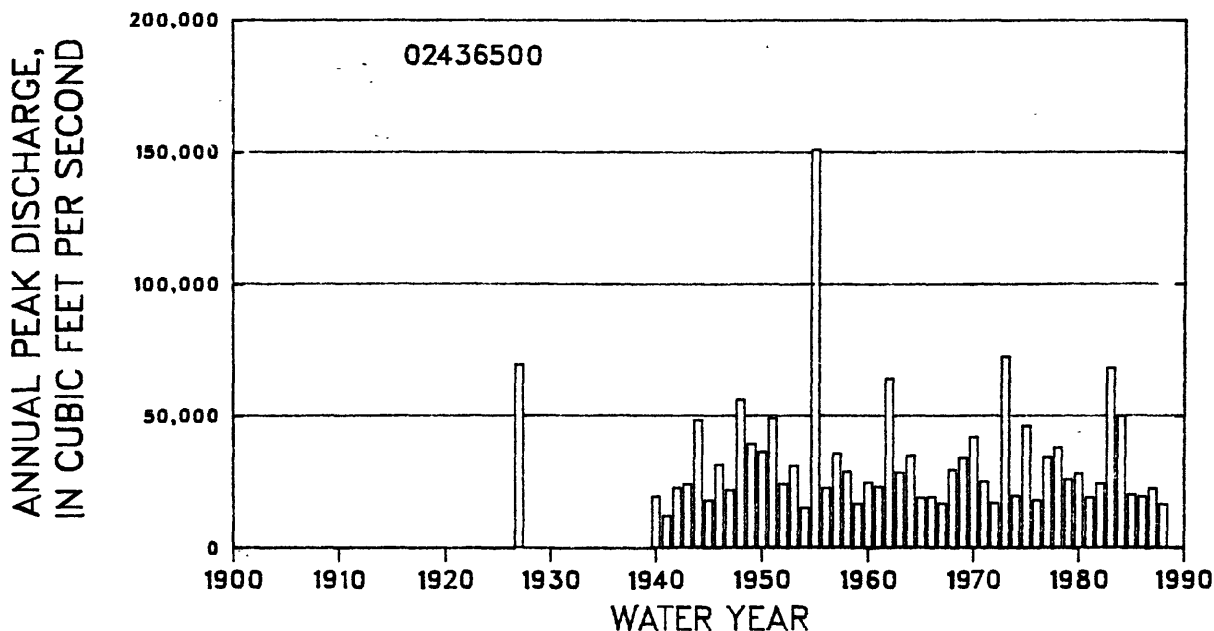
MEAN 4.451  
STANDARD DEVIATION 0.197  
SKEW 0.615

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	26,900	40,500	51,500	68,100	82,400	98,800	117,000	146,000
REGIONAL	15,400	28,800	39,300	51,600	61,200	70,200	81,400	93,900
WEIGHTED	26,200	39,200	49,300	63,100	74,200	85,500	98,500	116,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	7	9	11	16	21	26	32	40
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	7	8	10	14	17	20	23	27

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 50

Graph of annual peak discharges is shown below.



## 02436500 Town Creek near Nettleton, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1927	12/24/26	32.50	69,500 f	1964	3/15/64	29.40	35,000
1940	4/19/40	29.02	19,600	1965	2/12/65	27.18	19,100
1941	12/16/40	27.68	12,200	1966	2/11/66	27.23	19,400
1942	3/17/42	28.66	22,900	1967	2/20/67	26.74	16,900
1943	3/13/43	28.90	24,200	1968	1/10/68	28.74	29,700
1944	3/28/44	31.18	48,400	1969	4/14/69	29.44	34,200
1945	3/ 4/45	28.47	18,100	1970	12/30/69	30.23	42,100
1946	2/10/46	29.97	31,600	1971	2/21/71	28.41	25,300
1947	4/12/47	28.24	22,000	1972	1/ 4/72	26.94	17,100
1948	2/14/48	30.74	56,300	1973	3/16/73	32.73	72,600
1949	1/ 5/49	29.37	39,400	1974	1/11/74	27.51	19,800
1950	3/13/50	28.28	36,400	1975	3/13/75	30.33	46,300
1951	3/29/51	29.31	49,200	1976	10/17/75	26.69	18,200
1952	12/26/51	27.01	24,300	1977	3/ 4/77	29.34	34,500
1953	2/21/53	27.82	31,200	1978	5/ 8/78	29.71	38,100
1954	1/22/54	25.30	15,200	1979	1/20/79	28.15	26,000
1955	3/22/55	33.88	151,000	1980	3/28/80	28.49	28,400
1956	5/ 1/56	26.82	22,700	1981	3/30/81	24.47	19,400
1957	2/ 1/57	28.70	35,800	1982	1/23/82	26.40	24,600
1958	11/14/57	28.90	28,900	1983	12/26/82	32.14	68,200
1959	2/13/59	26.14	16,800	1984	12/ 3/83	30.23	50,000
1960	12/19/59	28.18	24,800	1985	5/ 1/85	25.52	20,400
1961	2/21/61	28.30	23,200	1986	3/19/86	21.47	19,600
1962	4/12/62	32.16	64,200	1987	11/24/86	26.77	22,700
1963	3/12/63	29.26	28,600	1988	4/ 2/88	22.77	16,700

HISTORICAL DATA: The 1955 peak is the highest known since 1892.

f Discharge is an historical peak.

# 02437000 Tombigbee River near Amory, MS

## LOCATION:

Lat 33°59'07", long 88°33'03", NW 1/4 NE 1/4 sec.3, T.13 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, near right bank on downstream side of bridge on U.S. Highway 41, 0.3 mi downstream from Town Creek, 3.5 mi west of Amory, and at mi 378.9.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 178.34 ft above sea level. Prior to Oct. 10, 1939, nonrecording gage at site 1,500 ft upstream. From Oct. 10, 1939, to Oct. 16, 1948, nonrecording gage.

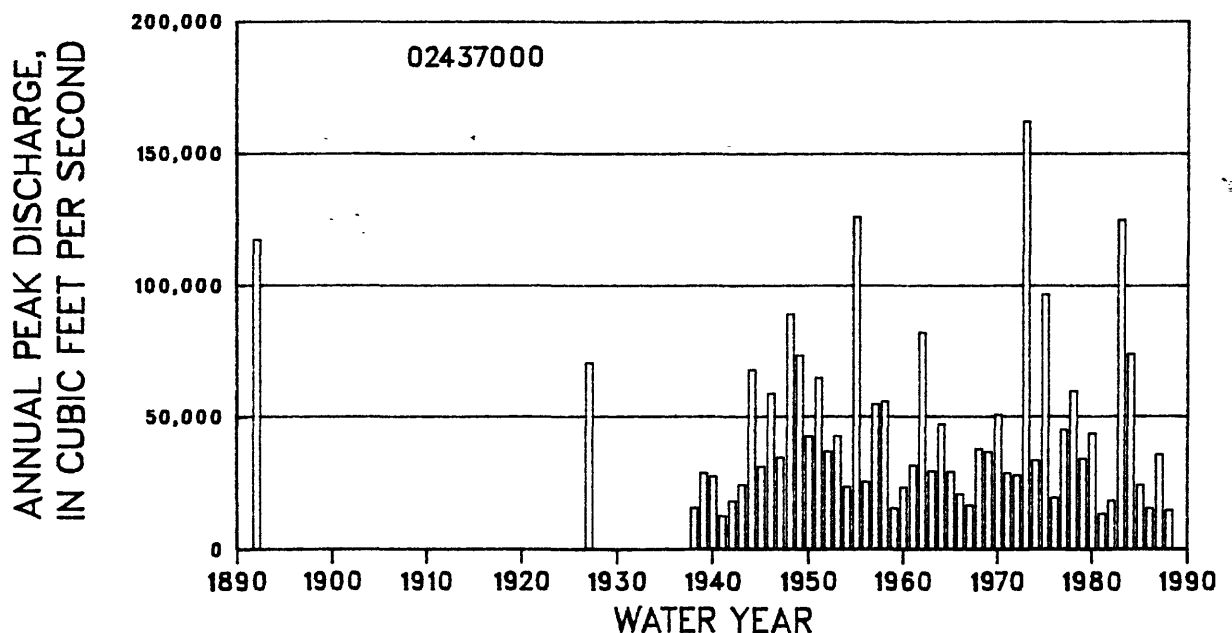
DRAINAGE AREA: 1,930 mi<sup>2</sup>      SLOPE: 1.8 ft/mi      LENGTH: 83.0 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:	MEAN	4.568
	STANDARD DEVIATION	0.238
	SKEW	0.281

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	38,600	62,900	83,000	113,000	140,000	170,000	--	260,000

NOTE: Discharges are affected by the Tennessee-Tombigbee Waterway. Statistics of logarithms of annual peak discharge are for natural conditions. The flood-frequency discharges are for existing project conditions and represent combined flow in the natural and regulated channels. These discharges were obtained from the U.S. Army Corps of Engineers, Mobile District (written commun., April 1990).

Graph of annual peak discharges is shown below.



## 02437000 Tombigbee River near Amory, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1892	4/ /92	33.50 a	117,300 f	1963	3/13/63	25.96	29,400
1927	12/ /26	31.50 a	70,500 f	1964	3/17/64	29.15	47,200
1938	4/ 9/38	21.90 ad	15,700	1965	2/12/65	26.30	29,300
1939	6/18/39	25.80 a	28,800	1966	2/14/66	24.12	20,900
1940	4/20/40	24.30	27,500	1967	2/21/67	22.61	16,600
1941	12/17/40	19.90	12,700	1968	1/11/68	27.96	37,800
1942	3/18/42	21.90	18,200	1969	4/14/69	27.80	36,800
1943	3/14/43	23.50	24,300	1970	1/ 1/70	29.80	50,700
1944	3/30/44	31.65	67,800	1971	2/27/71	24.99 d	28,800
1945	3/ 5/45	25.11	31,200	1972	1/ 5/72	26.05	28,000
1946	1/ 9/46	30.08	58,800	1973	3/17/73	34.65	162,000
1947	1/ 4/47	25.78	34,700	1974	1/13/74	27.22	33,600
1948	2/14/48	32.55	89,100	1975	3/15/75	31.82	96,600
1949	1/ 6/49	31.44	73,300	1976	3/31/76	23.40	19,500
1950	2/15/50	27.36 d	42,600	1977	3/ 6/77	28.32	45,100
1951	3/30/51	30.85	64,700	1978	5/10/78	29.67	59,700
1952	12/27/51	26.07 d	36,900	1979	1/21/79	26.78	34,100
1953	2/22/53	26.96 d	42,800	1980	3/22/80	28.16	43,700
1954	1/22/54	22.06 d	23,600	1981	3/30/81	20.98	13,400 g
1955	3/22/55	33.75 d	126,000	1982	1/24/82	23.81	18,400 g
1956	4/ 7/56	23.27 d	25,500	1983	12/28/82	33.15	125,000 g
1957	2/ 3/57	30.06 d	54,700	1984	12/ 5/83	31.01	73,800 g
1958	11/18/57	30.29 d	55,800	1985	2/12/85	24.07	24,200 g
1959	2/13/59	22.23	15,500	1986	2/18/86	21.15	15,500 g
1960	3/ 3/60	24.91	23,400	1987	3/ 1/87	25.61	35,700 g
1961	2/22/61	26.82	31,700	1988	1/20/88	20.32	14,700 g
1962	4/13/62	32.32	82,000				

HISTORICAL DATA: The 1973 peak is the highest known since 1892.

a Gage height at different site and (or) datum.

d Gage height not the maximum for the water year.

f Discharge is an historical peak.

g Discharge affected to an unknown degree by regulation or diversion.

# 02437300 Mattubby Creek near Aberdeen, MS

## LOCATION:

Lat 33°52'13", long 88°35'46", SE 1/4 SE 1/4 sec.7, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, on left bank, 50 ft downstream from bridge on U.S. Highway 45, 1.5 mi upstream from Wolf River, and 4.1 mi northwest of Aberdeen.

## GAGE:

Crest-stage gage. Assumed datum.

DRAINAGE AREA: 92.2 mi<sup>2</sup> SLOPE: 6.6 ft/mi LENGTH: 20.1 mi

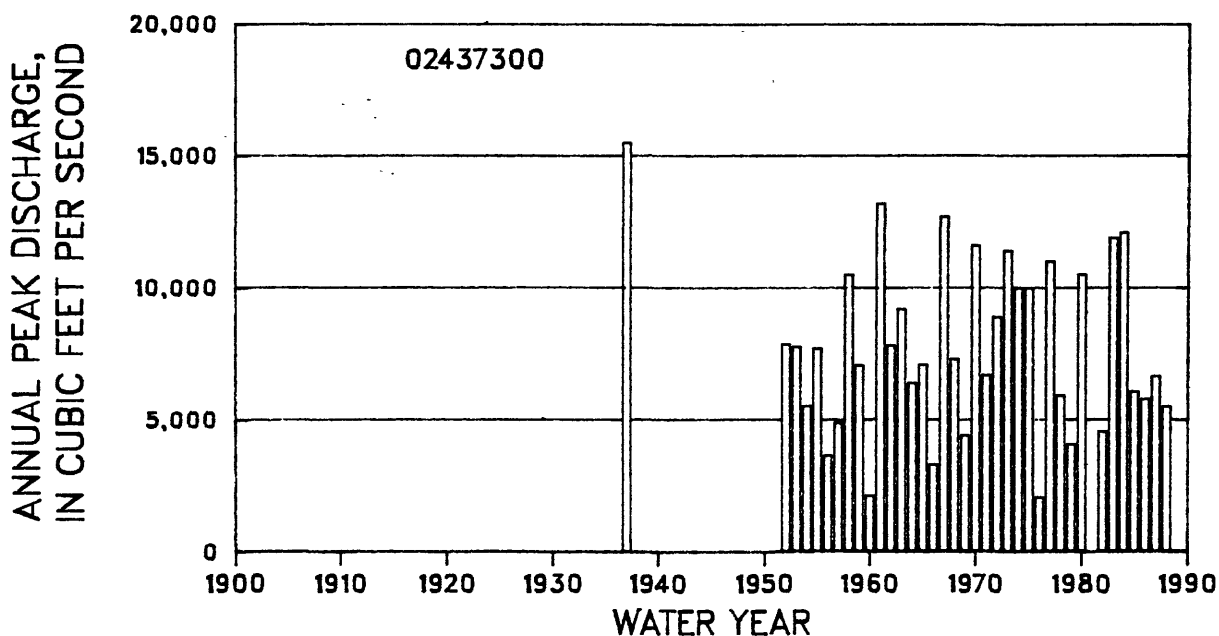
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.845  
STANDARD DEVIATION 0.206  
SKEW -0.500

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	7,270	10,500	12,500	14,700	16,300	17,700	19,000	20,700
REGIONAL	4,150	7,250	9,630	12,500	14,700	16,800	19,300	22,100
WEIGHTED	7,020	10,200	12,200	14,400	16,000	17,500	19,100	21,100

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	8	8	11	14	17	20	24
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	8	8	8	10	12	15	17	20

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 37

Graph of annual peak discharges is shown below.



## 02437300 Matubby Creek near Aberdeen, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1937	1/ /37	96.40	15,500 cf	1970	12/30/69	94.49	11,600
1952	12/26/51	93.66	7,870	1971	2/21/71	92.69	6,700
1953	2/20/53	93.63	7,780	1972	1/ 5/72	93.45	8,900
1954	5/ 3/54	92.83	5,530	1973	3/16/73	94.41	11,400
1955	3/21/55	93.61	7,720	1974	11/27/73	93.90	10,000
1956	4/ 4/56	92.07	3,640	1975	3/13/75	93.89	10,000
1957	2/ 1/57	92.59	4,900	1976	3/27/76	90.75	2,060
1958	11/16/57	94.60	10,500	1977	3/ 4/77	94.22	11,000
1959	2/13/59	93.38	7,070	1978	5/ 8/78	92.53	5,930
1960	3/ 3/60	90.99	2,120	1979	1/21/79	91.91	4,070
1961	2/21/61	95.12	13,200	1980	3/17/80	94.06	10,500
1962	4/11/62	92.97	7,820	1982	1/ 3/82	91.59	4,550
1963	7/14/63	93.51	9,200	1983	12/26/82	93.99	11,900
1964	4/14/64	92.54	6,400	1984	12/ 3/83	94.06	12,100
1965	2/12/65	92.79	7,100	1985	2/ 8/85	92.12	6,070
1966	2/11/66	91.63	3,300	1986	2/21/86	92.03	5,790
1967	7/ 9/67	94.93	12,700	1987	11/24/86	92.31	6,640
1968	1/ 9/68	92.97	7,300	1988	4/ 3/88	91.93	5,500
1969	2/ 1/69	91.98	4,400				

HISTORICAL DATA: The 1937 peak is the highest known since 1925.

c Estimated.

f Discharge is an historical peak.

# 02437500 Tombigbee River at Aberdeen, MS

## LOCATION:

Lat 33°49'14", long 88°31'07", N 1/2 sec.27, T.14 S., R.19 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160101, on left bank at downstream side of bridge on U.S. Highway 45, 1.5 mi east of Aberdeen, and at mi 360.2.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 154.71 ft. above sea level. Prior to Nov. 5, 1934, nonrecording gage at site 1.3 mi upstream, and from Nov. 6, 1934, to Aug. 30, 1939, nonrecording gage at present site.

DRAINAGE AREA: 2,170 mi<sup>2</sup>

SLOPE: 1.8 ft/mi

LENGTH: 101 mi

## STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:

MEAN 4.465

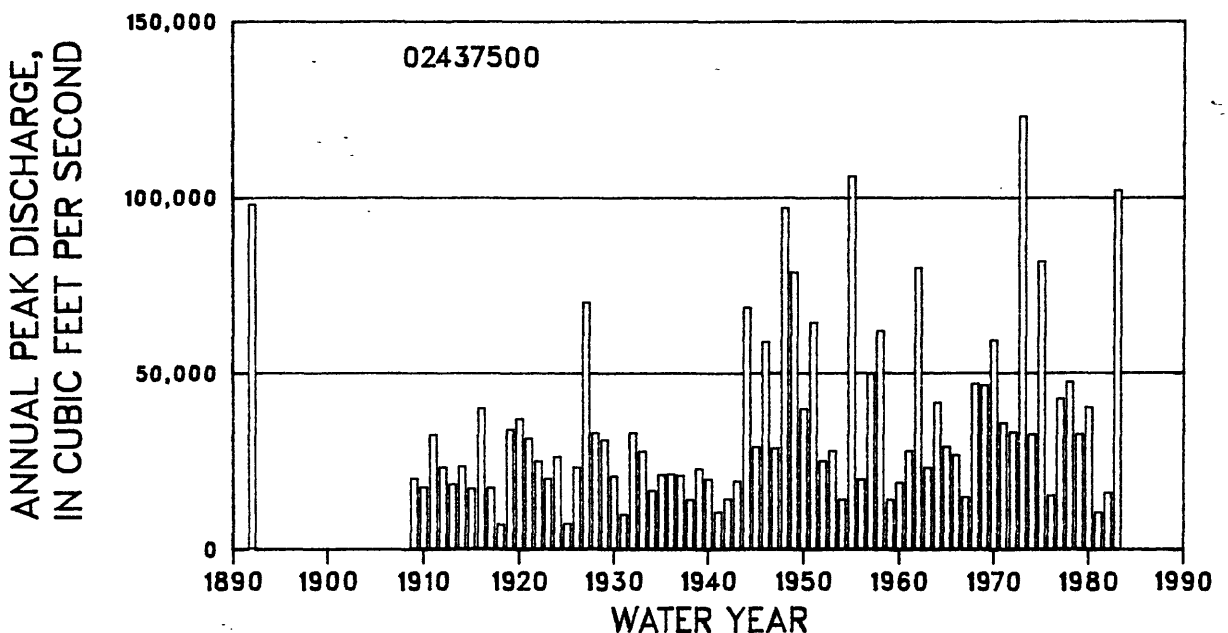
STANDARD DEVIATION 0.264

SKEW 0.180

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	33,000	53,700	70,000	96,900	120,000	145,000	--	220,000

NOTE: Discharges are affected by the Tennessee-Tombigbee Waterway. Statistics of logarithms of annual peak discharge are for natural conditions. The flood-frequency discharges are for existing project conditions and represent combined flow in the natural and regulated channels. These discharges were obtained from the U.S. Army Corps of Engineers, Mobile District (written commun., April 1990).

Graph of annual peak discharges is shown below.





## 02437500 Tombigbee River at Aberdeen, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1892	4/20/92	44.80 a	98,000 f	1946	1/10/46	39.88 d	58,900
1909	2/27/09	35.40 a	20,000	1947	1/ 4/47	36.85 d	28,600
1910	7/10/10	34.10 a	17,600	1948	2/15/48	42.04	97,000
1911	4/22/11	39.30 a	32,500	1949	1/ 6/49	41.38 d	78,600
1912	4/19/12	36.90 a	23,200	1950	2/16/50	38.46 d	39,800
1913	1/30/13	34.50 a	18,400	1951	3/31/51	40.52 d	64,300
1914	4/ 4/14	37.00 a	23,500	1952	12/28/51	36.40 d	25,000
1915	2/ 5/15	33.90 a	17,200	1953	2/22/53	36.86 d	27,900
1916	7/10/16	40.80 a	40,000	1954	1/23/54	28.90 d	14,100
1917	4/ 8/17	34.00 a	17,400	1955	3/23/55	42.90	106,000
1918	2/ 1/18	23.00 a	7,000	1956	4/12/56	33.95 d	19,800
1919	3/20/19	39.60 a	34,000	1957	2/ 3/57	39.95 d	49,800
1920	3/15/20	40.20 a	37,000	1958	11/19/57	40.68 d	61,900
1921	4/19/21	39.10 a	31,500	1959	2/15/59	32.04	14,000
1922	3/ 5/22	37.50 a	25,000	1960	3/ 5/60	35.12	18,900
1923	3/25/23	35.40 a	20,000	1961	2/23/61	38.01	27,900
1924	3/ 6/24	37.80 a	26,200	1962	4/13/62	41.85	79,900
1925	3/18/25	23.40 a	7,200	1963	3/16/63	36.85	23,100
1926	11/ 9/25	36.90 a	23,200	1964	3/18/64	39.60	41,600
1927	12/27/26	43.20 a	70,000	1965	2/14/65	38.20	29,000
1928	4/25/28	39.40 a	33,000	1966	2/17/66	37.76	26,700
1929	3/25/29	39.18 a	31,100	1967	2/23/67	32.60	14,800
1930	5/21/30	36.07 a	20,700	1968	1/11/68	39.80	46,900
1931	2/27/31	26.50 a	9,780	1969	4/15/69	39.76	46,500
1932	12/16/31	39.61 a	33,100	1970	1/ 1/70	40.78	59,300
1933	12/15/32	38.40 a	27,800	1971	2/24/71	38.35	35,800
1934	3/ 5/34	34.00 a	16,600	1972	1/ 6/72	38.20	33,200
1935	3/14/35	34.60	21,100	1973	3/18/73	45.02	123,000
1936	4/11/36	34.80	21,300	1974	1/14/74	38.91	32,600
1937	1/25/37	34.60	20,900	1975	3/15/75	41.83	81,800
1938	4/10/38	30.84	14,000	1976	4/ 1/76	33.46	15,300
1939	6/20/39	35.40	22,800	1977	3/ 6/77	39.59	42,700
1940	4/22/40	33.89	19,800	1978	5/10/78	40.00	47,400
1941	12/18/40	26.93	10,500	1979	1/23/79	37.91	32,600
1942	3/19/42	28.18 d	14,200	1980	3/23/80	38.79	40,300
1943	3/15/43	32.72 d	19,300	1981	4/ 1/81	25.70	10,500 g
1944	3/30/44	40.72 d	68,600	1982	4/21/82	28.32	16,100 g
1945	3/ 6/45	36.82	29,000	1983	12/29/82	35.60	102,000 g

HISTORICAL DATA: The 1973 peak is the highest known since 1892.

a Gage height at different site and (or) datum.

d Gage height not the maximum for the water year.

f Discharge is an historical peak.

g Discharge affected to an unknown degree by regulation or diversion.

02437550 Nichols Creek tributary near Quincy, MS

LOCATION:

Lat 33°54'20", long 88°21'05", SE 1/4 sec.29, T.13 S., R.10 E., Huntsville Meridian, Monroe County, Hydrologic Unit 03160101, at culvert on U.S. Highway 278, and 1.0 mi southeast of Quincy.

GAGE:

Crest-stage gage. Assumed datum. Prior to 1973, water-stage and rain-gage records also.

DRAINAGE AREA: 0.54 mi<sup>2</sup> SLOPE: 90.4 ft/mi LENGTH: 1.3 mi

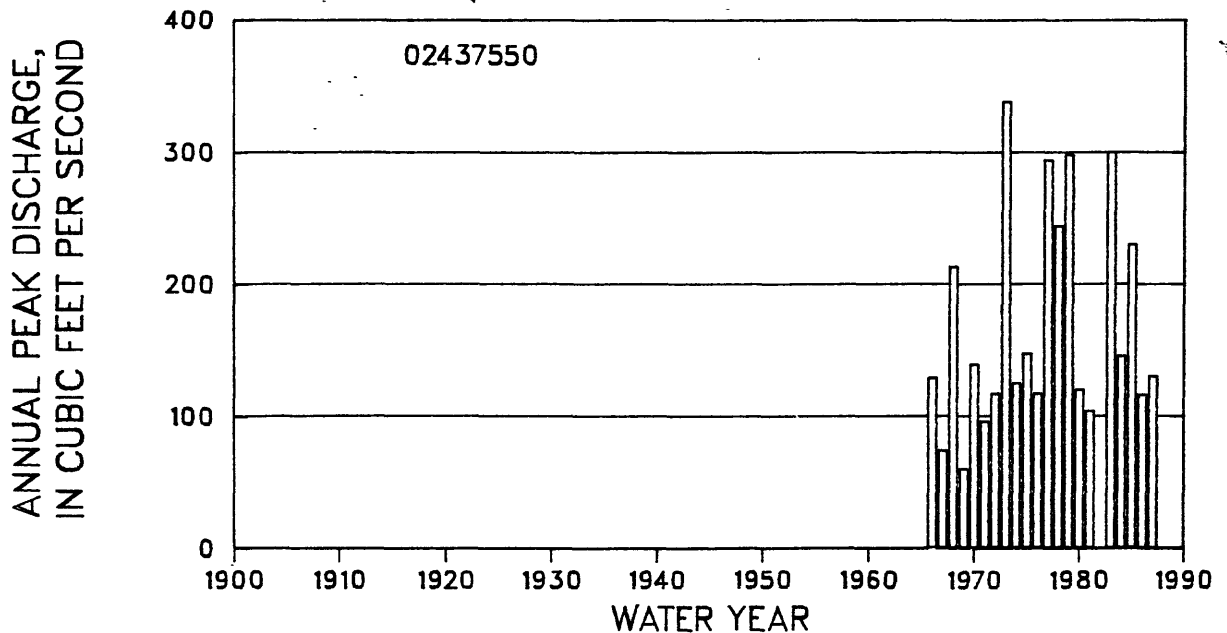
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.178  
STANDARD DEVIATION 0.208  
SKEW 0.090

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	150	225	280	354	413	475	540	632
REGIONAL	187	303	392	493	581	643	741	826
WEIGHTED	154	238	305	399	478	550	638	736

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	11	13	15	20	25	30	35	43
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	11	11	13	16	19	21	24	28

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 21

Graph of annual peak discharges is shown below.



## 02437550 Nichols Creek tributary near Quincy, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1966	9/18/66	4.67	129	1978	5/ 7/78	6.05	244
1967	7/ 5/67	3.86	74	1979	4/12/79	6.63	298
1968	12/18/67	5.70	213	1980	3/17/80	4.78	120
1969	7/26/69	3.64	60	1981	11/15/80	4.32	104
1970	4/26/70	4.80	139	1982	12/14/81	5.97	--
1971	10/12/70	4.20	96	1983	4/ 5/83	6.64	300
1972	4/22/72	4.50	117	1984	12/ 3/83	5.56	145
1973	3/16/73	7.03	338	1985	10/24/84	6.30	230
1974	11/26/73	4.62	125	1986	3/12/86	4.50	116
1975	4/25/75	4.90	147	1987	5/25/87	4.64	130
1976	10/17/75	4.50	117	1988	9/27/88	3.89	--
1977	3/ 4/77	6.59	294				

02437600 James Creek at Aberdeen, MS

LOCATION:

Lat 38°48'48", long 88°33'59", SW 1/4 SE 1/4 sec.33, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, at downstream side of bridge on State Highway 25, and 0.4 mi southwest of Aberdeen.

GAGE:

Crest-stage gage since July 20, 1978. Elevation of gage is about 190 ft above sea level (from topographic map). From Dec. 6, 1963, to spring of 1977, water-stage recorder.

DRAINAGE AREA: 28.4 mi<sup>2</sup> SLOPE: 71.8 ft/mi LENGTH: 9.4 mi

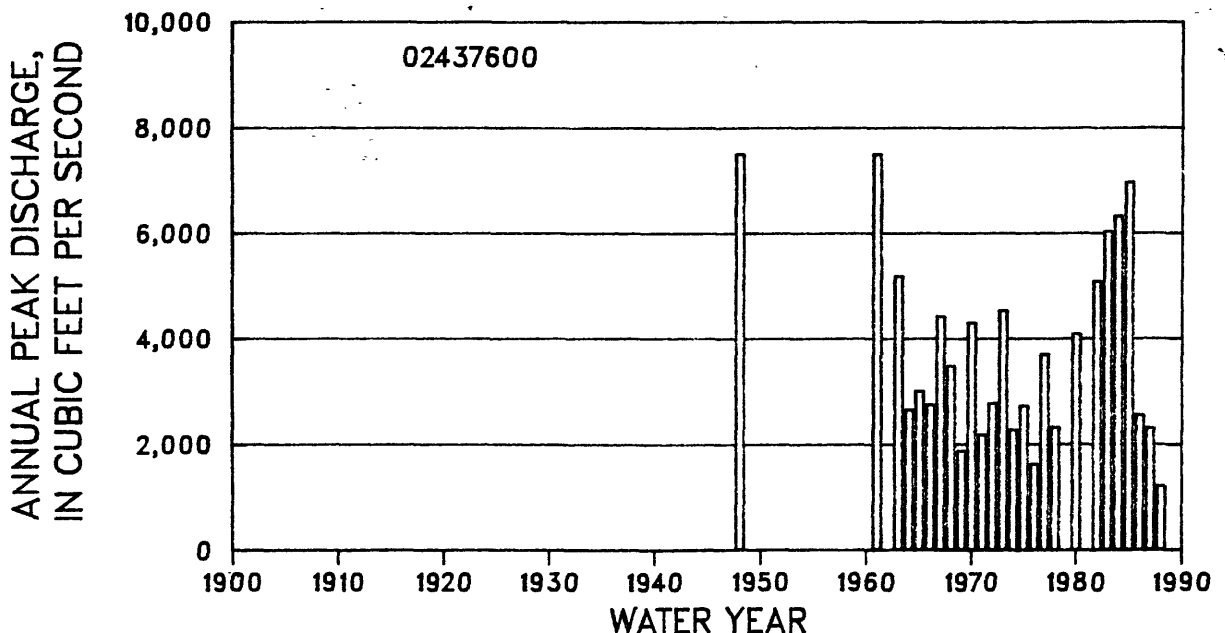
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.524  
STANDARD DEVIATION 0.205  
SKEW -0.062

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	3,360	4,970	6,090	7,540	8,650	9,780	10,900	12,500
REGIONAL	2,260	4,160	5,680	7,430	8,900	10,100	11,800	13,400
WEIGHTED	3,250	4,850	6,010	7,510	8,730	9,880	11,300	12,900

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	10	11	12	16	20	24	28	34
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	10	10	11	14	16	19	21	25

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 26

Graph of annual peak discharges is shown below.



## 02437600 James Creek at Aberdeen, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1948	2/ /48	19.29	7,500 f	1975	3/13/75	14.16	2,730
1961	2/ /61	19.29	7,500 f	1976	3/27/76	13.13	1,630
1963	7/14/63	18.73	5,190	1977	3/ 4/77	15.00	3,700
1964	4/ 6/64	14.10	2,660	1978	5/ 7/78	13.80	2,330
1965	2/11/65	14.42	3,010	1979	1/21/79	13.41	--
1966	4/27/66	14.18	2,750	1980	4/12/80	14.58	4,090
1967	7/ 9/67	15.69	4,430	1982	1/ 3/82	14.10	5,090
1968	12/18/67	14.82	3,480	1983	4/ 5/83	14.68	6,040
1969	3/18/69	13.38	1,880	1984	12/ 3/83	14.85	6,330
1970	3/19/70	15.56	4,300	1985	10/22/84	15.21	6,970
1971	2/27/71	13.67	2,190	1986	11/ 3/85	11.66	2,560
1972	1/ 4/72	14.21	2,780	1987	1/20/87	11.16	2,320
1973	3/16/73	15.70	4,540	1988	2/13/88	6.96	1,220
1974	11/27/73	13.75	2,280				

f Discharge is an historical peak.

# 02439400 Buttahatchee River near Aberdeen, MS

## LOCATION:

Lat 33°47'24", long 88°18'53", NW 1/4 sec.3, T.15 S., R.17 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160103, near right bank on downstream side of bridge on county highway, 10.0 mi downstream from Sipsey Creek, 13.7 mi southeast of Aberdeen, and 28.6 mi upstream from mouth.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 220.77 ft above Mississippi State Highway Department Datum (appears to be same as sea level datum).

DRAINAGE AREA: 799 mi<sup>2</sup>      SLOPE: 4.1 ft/mi      LENGTH: 83.6 mi

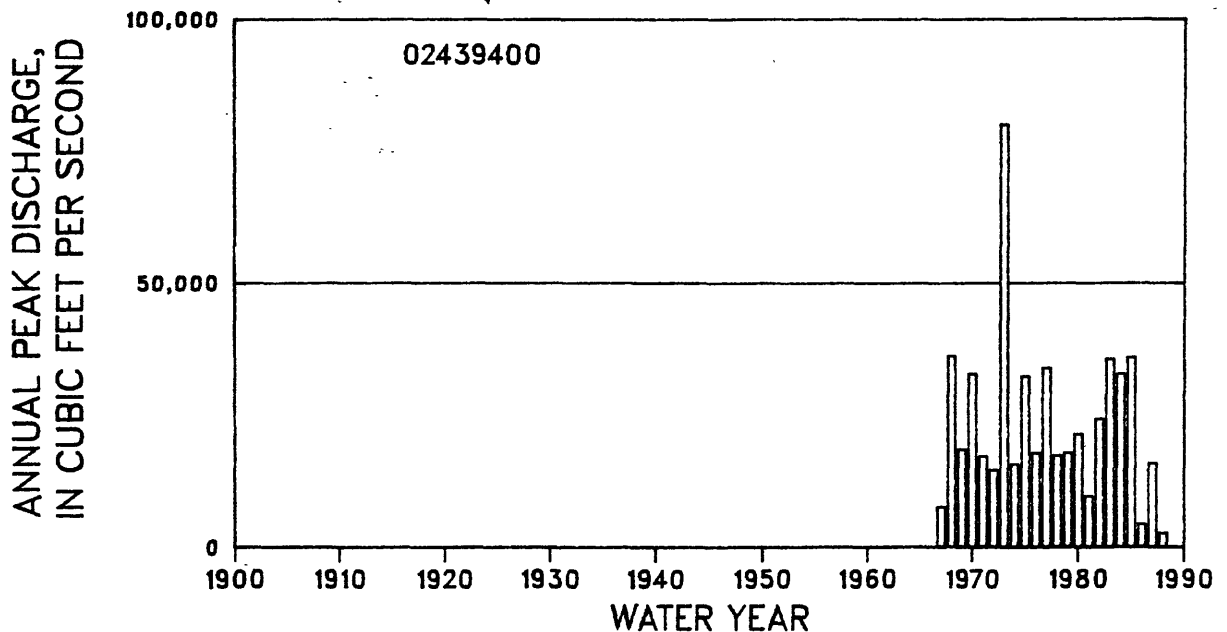
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN    4.279  
    STANDARD DEVIATION    0.266  
    SKEW    -0.439

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	19,900	32,100	40,200	50,300	57,500	64,500	71,400	80,100
REGIONAL	14,100	26,100	35,600	47,300	56,300	65,000	75,600	87,900
WEIGHTED	18,800	30,800	39,000	49,300	57,000	64,700	73,500	84,300

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	14	13	15	19	23	29	34	42
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	13	12	13	15	18	21	24	28

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 22

Graph of annual peak discharges is shown below.



## 02439400 Buttahatchee River near Aberdeen, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1967	5/ 9/67	15.12	7,660	1978	5/10/78	17.64	17,400
1968	12/20/67	20.47	36,300	1979	4/14/79	17.74	17,900
1969	2/ 3/69	17.84	18,500	1980	3/19/80	18.39	21,400
1970	12/29/69	20.08	32,900	1981	4/ 1/81	15.68	9,670
1971	2/28/71	17.57	17,200	1982	1/ 5/82	18.87	24,300
1972	1/ 5/72	17.07	14,600	1983	5/20/83	19.37	35,700
1973	3/17/73	23.48	80,000	1984	12/ 5/83	19.09	32,900
1974	12/28/73	17.28	15,700	1985	5/ 3/85	19.29	36,000
1975	3/14/75	20.01	32,400	1986	2/21/86	13.27	4,390
1976	10/19/75	17.71	17,800	1987	1/20/87	17.01	15,900
1977	3/ 5/77	20.30	34,000	1988	1/21/88	--	2,700 c

c Estimated.

02439500 Buttahatchee River near Caledonia, MS

LOCATION:

Lat 33°42'04", long 88°20'50", SW 1/4 sec.5, T.16 S., R.17 W., Huntsville Meridian, Monroe-Lowndes County line, Hydrologic Unit 03160103, at county road 600 ft downstream from Elbethel Creek, 2.0 mi northwest of Caledonia, 2.0 mi upstream from Dry Creek, and 19.0 mi upstream from mouth.

GAGE:

Nonrecording gage. Datum of gage is 198.59 ft above sea level.

DRAINAGE AREA: 831 mi<sup>2</sup>      SLOPE: 3.9 ft/mi      LENGTH: 93.1 mi

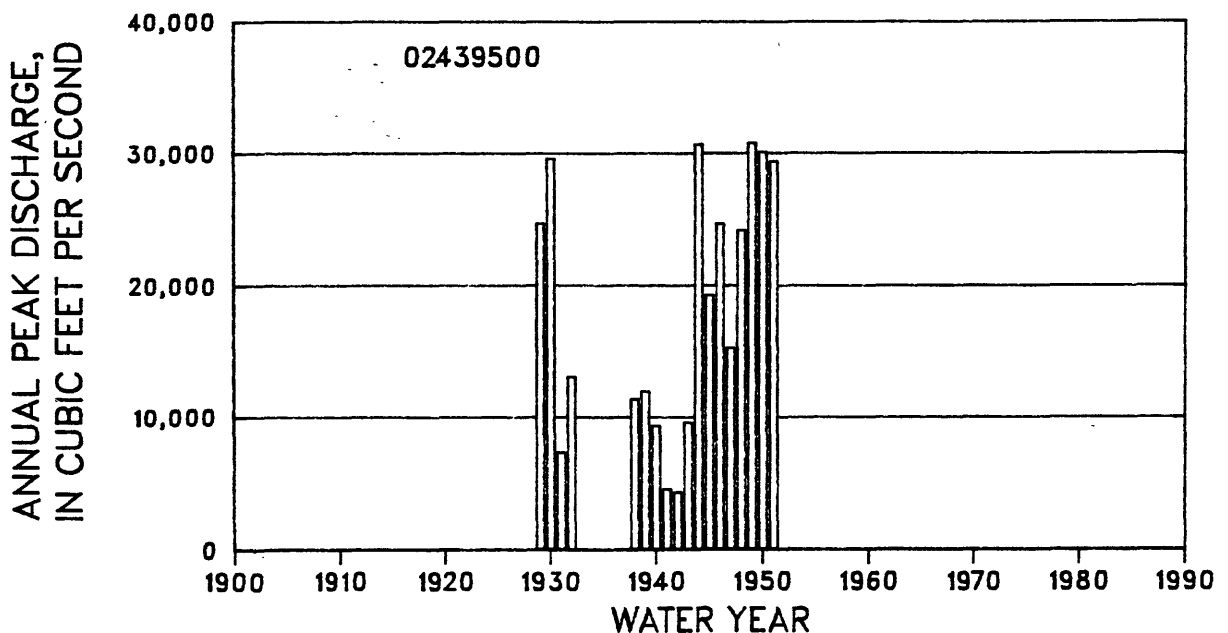
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN    4.189  
    STANDARD DEVIATION    0.283  
    SKEW    -0.178

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	15,800	26,900	35,100	46,400	55,300	64,500	74,200	87,500
REGIONAL	14,100	24,800	33,400	43,200	52,400	62,100	65,200	80,000
WEIGHTED	15,100	25,900	34,100	44,100	52,900	62,500	66,200	80,700

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	17	17	20	25	31	38	45	55
REGIONAL	22	19	17	16	15	15	16	17
WEIGHTED	13	13	13	13	13	14	15	16

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 18

Graph of annual peak discharges is shown below.





## 02439500 Buttahatchee River near Caledonia, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1929	3/25/29	16.30	24,700	1943	3/16/43	13.40	9,640
1930	11/15/29	16.70	29,600	1944	3/30/44	17.60	30,700
1931	3/31/31	12.60	7,350	1945	2/24/45	16.50	19,300
1932	2/18/32	14.70	13,100	1946	1/ 9/46	17.62	24,700
1938	4/ 0/38	14.00	11,400	1947	4/14/47	15.50	15,300
1939	3/ 2/39	14.20	12,000	1948	2/15/48	17.50	24,200
1940	3/ 6/40	13.30	9,370	1949	1/ 6/49	18.65	30,800
1941	3/11/41	10.60	4,590	1950	1/ 8/50	18.52	30,100
1942	2/28/42	10.40	4,360	1951	3/30/51	18.36	29,400

02439800 Cowbell Creek near Houlka, MS

LOCATION:

Lat 34°04'10", long 89°00'20", NW 1/4 SE 1/4 NE 1/4 sec.5, T.12 S., R.3 E., Chickasaw Meridian, Chickasaw County, Hydrologic Unit 03160104, at culvert on State Highway 15, and 1.8 mi north of Houlka.

GAGE:

Crest-stage gage. Prior to May 26, 1965, crest-stage gage. From May 26, 1965, to Sept. 30, 1971, water-stage and rain-gage recorder also at site.

DRAINAGE AREA: 0.46 mi<sup>2</sup> SLOPE: 25.7 ft/mi LENGTH: 0.9 mi

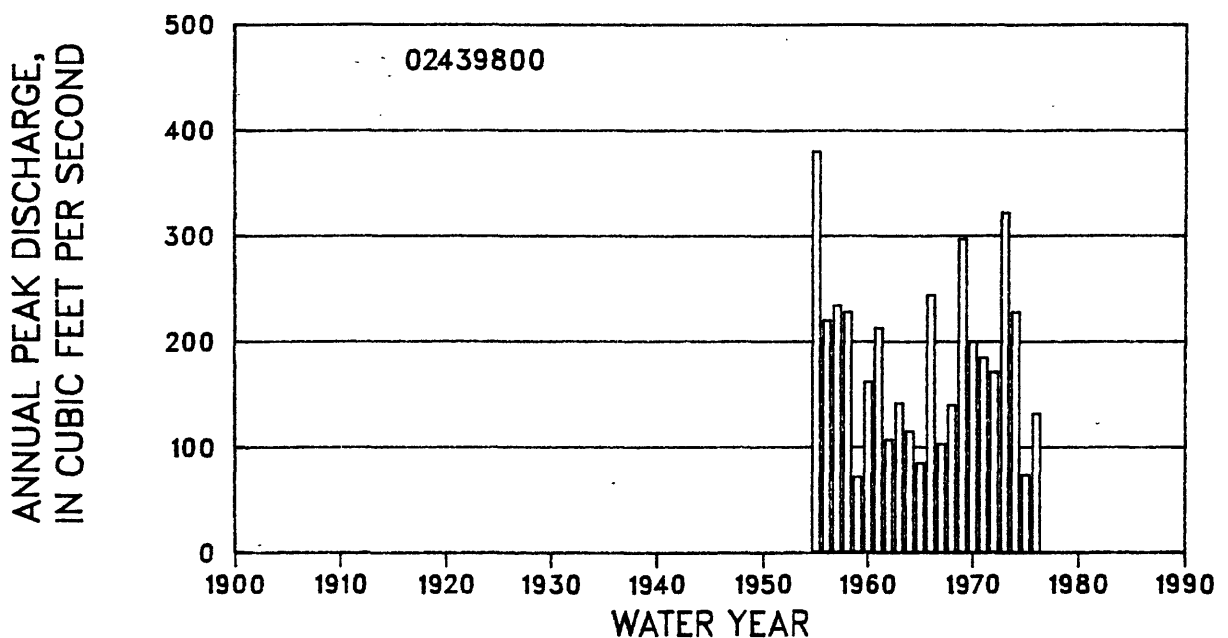
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.222  
STANDARD DEVIATION 0.203  
SKEW -0.088

	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
T	2	5	10	25	50	100	200	500
STATION	168	248	302	373	426	480	535	609
REGIONAL	181	275	346	427	495	546	618	687
WEIGHTED	169	252	311	388	449	506	570	646

	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
T	2	5	10	25	50	100	200	500
STATION	11	11	13	17	21	25	30	36
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	10	10	12	14	17	19	22	26

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 22

Graph of annual peak discharges is shown below.



## 02439800 Cowbell Creek near Houlka, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	4/12/55	7.67	380	1966	6/ 6/66	5.92	244
1956	4/30/56	5.32	220	1967	2/20/67	4.56	103
1957	4/ 4/57	5.45	234	1968	12/17/67	5.00	140
1958	11/16/57	5.39	228	1969	4/14/69	6.81	297
1959	2/12/59	4.46	72	1970	4/26/70	5.57	200
1960	1/17/60	5.10	162	1971	2/21/71	5.67	185
1961	2/20/61	5.56	213	1972	1/ 4/72	5.26	171
1962	12/17/61	4.74	107	1973	3/15/73	7.09	322
1963	3/11/63	5.01	142	1974	12/25/73	5.97	228
1964	3/14/64	4.80	115	1975	3/13/75	4.69	74
1965	3/26/65	4.59	85	1976	10/17/75	4.93	132

# 02439980 Chuquatonchee Creek near Okalona, MS

## LOCATION:

Lat 34°00'05", long 88°53'00", NE 1/4 sec.33, T.12 S., R.4 E., Chickasaw Meridian, Chickasaw County, Hydrologic Unit 03160104, on left bank at downstream side of bridge on State Highway 32, and 7.5 mi west of Okalona.

## GAGE:

Crest-stage gage. Elevation of gage is about 285 ft above sea level (from topographic map). From June 1963 to Sept. 30, 1968, water-stage recorder.

DRAINAGE AREA: 68.5 mi<sup>2</sup>      SLOPE: 8.8 ft/mi      LENGTH: 13.4 mi

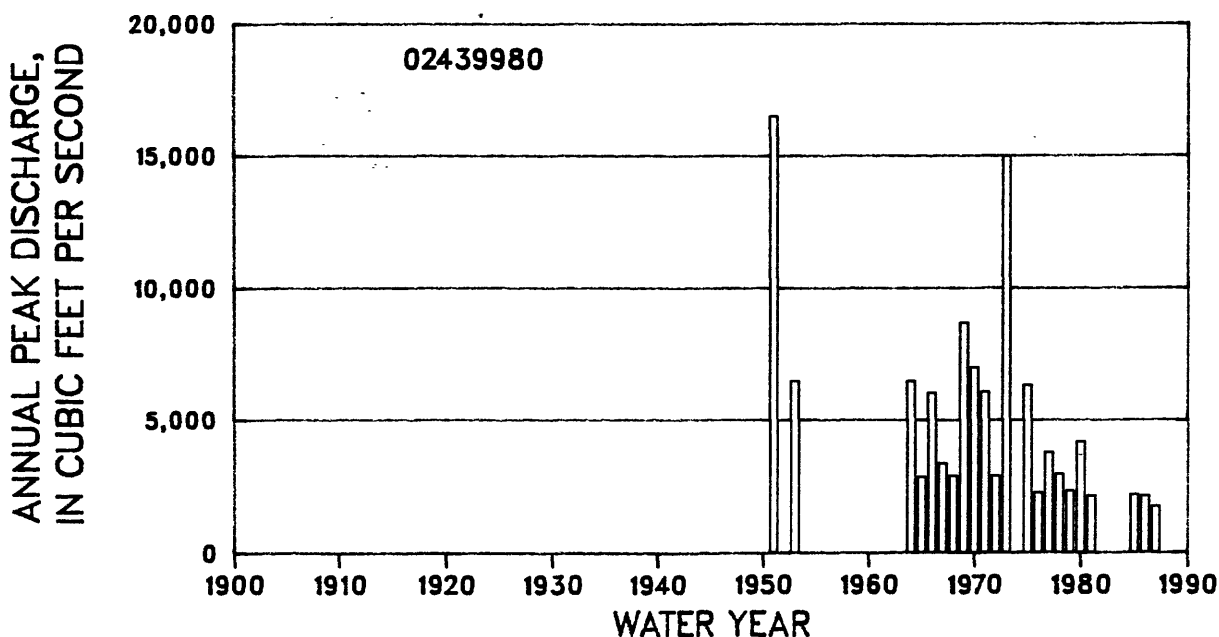
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN    3.604  
    STANDARD DEVIATION    0.252  
    SKEW      0.425

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	3,860	6,450	8,650	12,000	15,100	18,600	22,600	28,900
REGIONAL	3,810	6,640	8,810	11,400	13,400	15,200	17,500	19,900
WEIGHTED	3,850	6,500	8,710	11,700	14,000	16,200	18,800	21,800

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	14	16	20	29	37	46	56	71
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	13	14	16	20	22	25	28	32

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 22

Graph of annual peak discharges is shown below.



## 02439980 Chuquatonchee Creek near Okalona, MS---Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1951	3/ /51	--	16,500	1973	3/16/73	16.93	15,000
1953	2/ /53	--	6,500	1975	3/13/75	15.17	6,340
1964	3/15/64	15.21	6,500	1976	10/17/75	13.54	2,280
1965	3/29/65	14.01	2,850	1977	3/ 4/77	14.40	3,800
1966	2/10/66	15.10	6,050	1978	5/ 8/78	14.07	2,970
1967	2/20/67	14.24	3,360	1979	1/20/79	12.75	2,350
1968	12/18/67	14.03	2,890	1980	3/ 7/80	14.54	4,200
1969	4/13/69	15.68	8,700	1981	5/26/81	13.34	2,160
1970	12/30/69	15.33	7,020	1985	6/19/85	12.25	2,200
1971	2/21/71	15.11	6,090	1986	2/18/86	12.21	2,160
1972	1/ 4/72	14.11	2,900	1987	11/26/86	10.73	1,760

HISTORICAL DATA: The 1951 peak is the highest known since 1911.

02439997 Chuquatonchee Creek tributary near Trebloc, MS

LOCATION:

Lat 33°50'25", long 88°48'20", on line between secs.20 and 29, T.14 S., R.5 E., Chickasaw Meridian, Chickasaw County, Hydrologic Unit 03160104, at culvert on State Highway 8, and 1.5 mi east of Trebloc.

GAGE:

Crest-stage gage. Prior to Sept. 25, 1971, water-stage and rain-gage recorders also. Datum is assumed.

DRAINAGE AREA: 0.74 mi<sup>2</sup> SLOPE: 50.0 ft/mi LENGTH: 1.4 mi

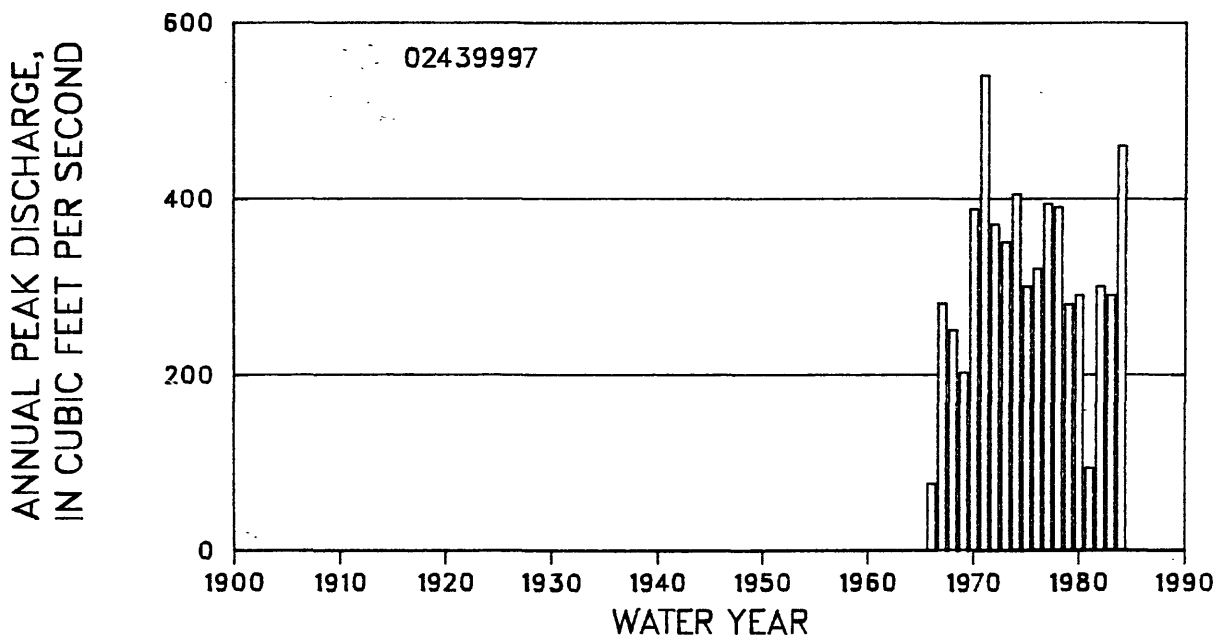
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.504  
STANDARD DEVIATION 0.114  
SKEW -0.118

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	321	399	446	501	539	576	611	656
REGIONAL	231	369	473	593	695	771	883	985
WEIGHTED	317	397	448	512	562	609	662	726

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	7	7	8	10	12	15	17	21
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	6	7	8	9	11	13	15	18

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 19

Graph of annual peak discharges is shown below.



## 02439997 Chuquatonchee Creek tributary near Trebloc, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1966	2/19/66	5.22	76	1976	3/27/76	7.02	320
1967	7/12/67	7.81	281	1977	3/ 4/77	8.60	394
1968	12/14/67	7.44	251	1978	5/ 8/78	7.79	390
1969	4/13/69	6.84	203	1979	7/11/79	6.89	280
1970	3/19/70	7.80	388	1980	3/17/80	7.44	290
1971	2/21/71	9.18	540	1981	5/19/81	5.47	94
1972	5/ 7/72	7.59	370	1982	4/ 2/82	7.29	300
1973	3/16/73	7.39	350	1983	3/ 5/83	7.30	290
1974	11/27/73	7.98	405	1984	11/24/83	8.79	460
1975	2/16/75	7.35	300				

02440000 Chuquatonchee Creek near Egypt, MS

LOCATION:

Lat 33°50'24", long 88°45'40", on line between secs.22 and 27, T.14 S., R.5 E., Chickasaw Meridian, Chickasaw County, Hydrologic Unit 03160104, at bridge on State Highway 8, and 4.5 southwest of Egypt.

GAGE:

Crest-stage gage. Gage datum is 221.07 ft above sea level. Prior to Oct. 1, 1969, at datum 5.0 ft higher. From July 21, 1949, to Sept. 30, 1971, water-stage recorder.

DRAINAGE AREA: 167 mi<sup>2</sup> SLOPE: 6.1 ft/mi LENGTH: 27.2 mi

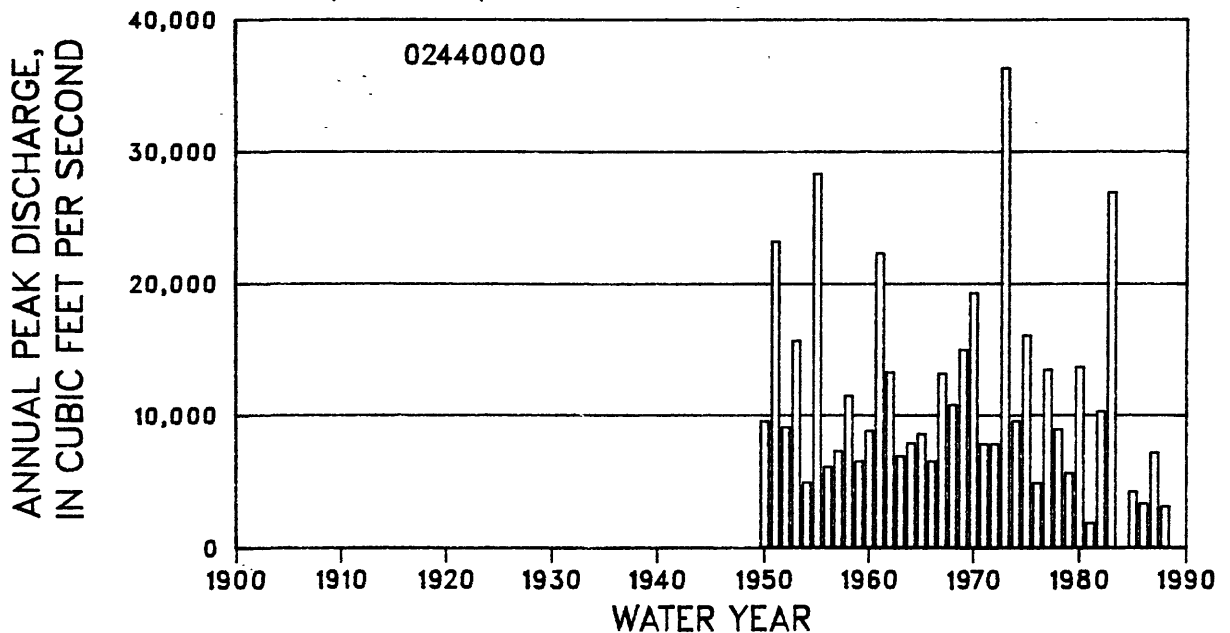
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.971  
STANDARD DEVIATION 0.269  
SKEW -0.104

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	9,450	15,800	20,500	27,100	32,200	37,700	43,400	51,500
REGIONAL	6,010	10,700	14,300	18,600	22,000	25,100	29,000	33,400
WEIGHTED	9,040	14,900	19,000	24,300	28,200	32,000	36,300	41,700

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	11	11	13	17	21	25	30	36
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	10	11	12	14	17	19	22	26

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 38

Graph of annual peak discharges is shown below.





## 02440000 Chuquatonchee Creek near Egypt, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1950	3/13/50	8.56 a	9,560	1969	4/14/69	9.45 a	15,000
1951	3/28/51	10.47 a	23,200	1970	12/30/69	15.03 b	19,300
1952	12/20/51	8.49 a	9,110	1971	2/22/71	13.50	7,850
1953	2/21/53	9.09 a	15,700	1972	1/ 4/72	13.40	7,850
1954	5/ 3/54	7.90 a	4,930	1973	3/16/73	16.61	36,300
1955	3/21/55	11.23 a	28,300	1974	11/27/73	13.61	9,580
1956	4/ 6/56	8.04 a	6,110	1975	3/13/75	14.42	16,100
1957	2/ 1/57	8.22 a	7,310	1976	2/ 6/76	13.00	4,900
1958	10/ 3/57	8.91 a	11,500	1977	3/ 4/77	14.10	13,500
1959	2/13/59	8.91 a	6,540	1978	5/ 8/78	13.53	8,940
1960	3/ 3/60	8.54 a	8,830	1979	9/21/79	13.12	5,660
1961	2/21/61	10.44 a	22,300	1980	3/17/80	14.12	13,700
1962	12/17/61	9.23 a	13,300	1981	5/27/81	12.30	1,880
1963	3/12/63	8.45 a	6,920	1982	4/ 3/82	13.70	10,300
1964	4/ 6/64	8.51 a	7,920	1983	12/26/82	15.66	26,900
1965	2/11/65	8.60 a	8,600	1985	2/13/85	12.94	4,280
1966	2/11/66	8.32 a	6,540	1986	3/13/86	12.81	3,360
1967	7/ 9/67	9.22 a	13,200	1987	11/26/86	13.53	7,200
1968	1/10/68	8.90 a	10,800	1988	4/ 2/88	12.68	3,140

HISTORICAL DATA: The 1955 and 1973 peaks are the highest known since 1927.

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

02440400 Houlka Creek near McCondy, MS

LOCATION:

Lat 33°47'05", long 88°51'15", in SW 1/4 sec.11, T.15 S., R.4 E., Chickasaw Meridian, Clay County, Hydrologic Unit 03160104, on left bank just downstream of bridge on State Highway 47, 300 ft downstream from Long Creek, and 2.8 mi south of McCondy.

GAGE:

Crest-stage gage. From July 1963, to Oct. 1, 1963, water-stage recorder. Elevation of gage is about 225 ft above sea level (from topographic map).

DRAINAGE AREA: 189 mi<sup>2</sup>      SLOPE: 5.1 ft/mi      LENGTH: 25.8 mi

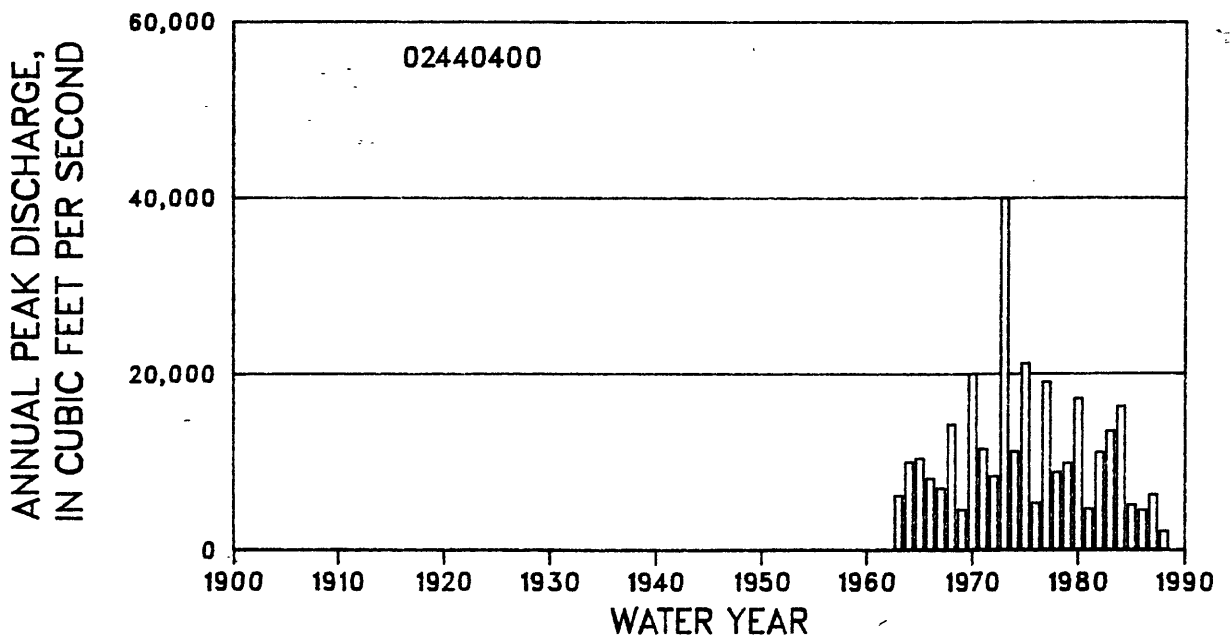
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN    3.990  
    STANDARD DEVIATION    0.250  
    SKEW      0.130

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	9,650	15,800	20,600	27,500	33,200	39,400	46,200	56,200
REGIONAL	6,730	11,900	15,900	20,700	24,400	27,800	32,100	36,800
WEIGHTED	9,240	14,900	19,100	24,500	28,600	32,700	37,400	43,300

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	12	14	17	22	27	33	40	49
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	11	12	14	17	20	22	25	29

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 26

Graph of annual peak discharges is shown below.



## 02440400 Houlka Creek near McCondy, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1963	7/15/63	13.80	6,200	1976	2/ 6/76	13.61	5,380
1964	4/ 6/64	14.66	10,000	1977	3/ 4/77	16.38	19,100
1965	2/11/65	14.74	10,400	1978	5/ 8/78	14.50	8,850
1966	2/11/66	14.28	8,120	1979	1/21/79	14.75	9,880
1967	2/21/67	14.01	7,040	1980	3/17/80	16.10	17,200
1968	1/10/68	15.38	14,300	1981	3/30/81	13.38	4,690
1969	2/ 2/69	13.35	4,620	1982	4/ 3/82	15.02	11,100
1970	12/30/69	16.48	20,000	1983	12/26/82	15.50	13,500
1971	2/21/71	14.92	11,500	1984	12/ 3/83	15.96	16,300
1972	1/ 4/72	14.34	8,400	1985	2/12/85	13.54	5,170
1973	3/16/73	18.65	40,000	1986	3/13/86	--	4,550 h
1974	11/28/73	15.05	11,200	1987	11/26/86	13.84	6,300
1975	3/13/75	16.66	21,200	1988	3/ 9/88	13.23	2,130

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

02440500 Chuquatonchee Creek near West Point, MS

LOCATION:

Lat 33°36'25", long 88°42'30", on line between secs.7 and 18, T.17 S., R.6 E., Chickasaw Meridian, Clay County, Hydrologic Unit 03160104, at bridge on State Highway 50, 3.0 mi west of West Point, and 3.5 mi upstream from mouth.

GAGE:

Crest-stage gage. Datum of gage is 170.10 ft above sea level. From March 29, 1940, to Sept. 30, 1986, water-stage recorder.

DRAINAGE AREA: 505 mi<sup>2</sup>      SLOPE: 1.8 ft/mi      LENGTH: 44.8 mi

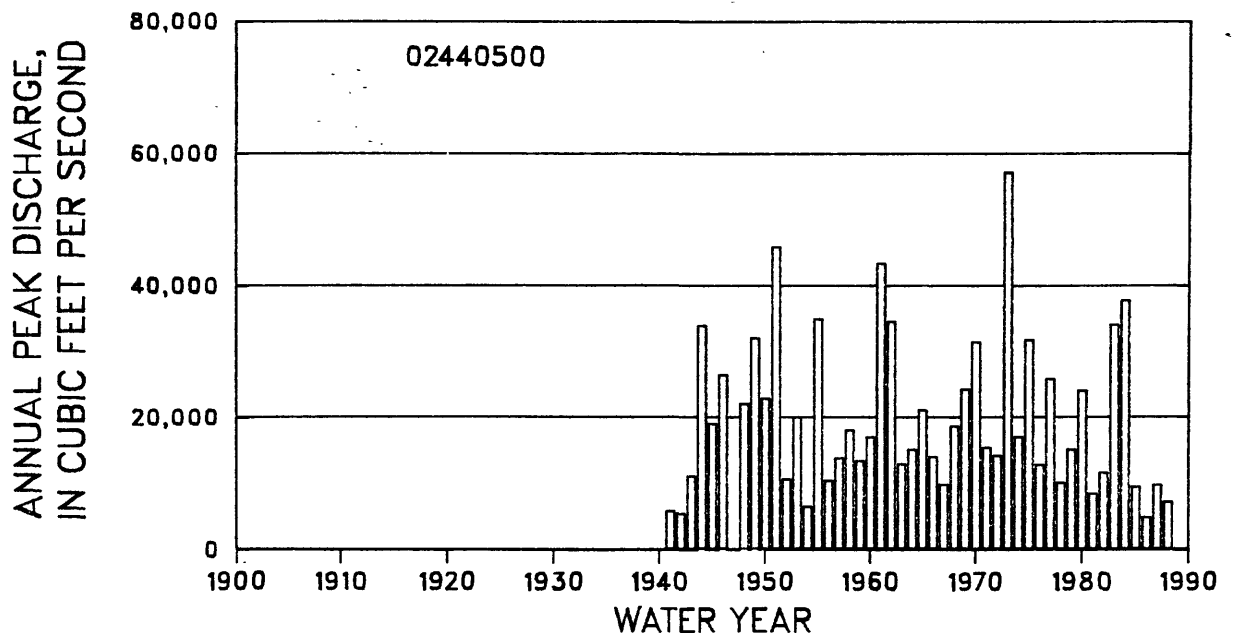
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN    4.225  
    STANDARD DEVIATION    0.258  
    SKEW    -0.090

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	16,900	27,700	35,600	46,500	55,100	64,100	73,500	86,600
REGIONAL	11,900	20,900	27,700	36,000	42,200	48,500	55,600	64,200
WEIGHTED	16,500	26,800	34,100	43,700	51,000	58,300	66,200	76,500

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	10	11	15	18	22	26	31
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	9	9	10	13	15	18	20	24

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 47

Graph of annual peak discharges is shown below.



## 02440500 Chuquatonchee Creek near West Point, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1941	12/18/40	16.20	5,800	1966	2/13/66	18.74	14,000
1942	2/26/42	16.00	5,400	1967	2/23/67	17.67	9,840
1943	3/14/43	17.70	11,100	1968	1/11/68	19.71	18,600
1944	3/29/44	21.70	33,900	1969	4/15/69	20.70	24,200
1945	3/ 5/45	19.10 d	19,000	1970	12/31/69	21.73	31,400
1946	1/ 9/46	20.30	26,400	1971	2/23/71	19.07	15,400
1948	2/14/48	--	22,000 c	1972	1/ 5/72	18.79	14,200
1949	1/ 5/49	22.32	32,000	1973	3/17/73	24.58	57,100
1950	3/14/50	20.28 d	22,800	1974	11/29/73	19.20	17,000
1951	3/29/51	23.55	45,800	1975	3/14/75	21.64	31,700
1952	12/22/51	17.84	10,600	1976	2/ 6/76	18.26	12,800
1953	2/22/53	19.55	20,000	1977	3/ 5/77	20.80	25,800
1954	5/ 5/54	16.46	6,460	1978	5/ 9/78	17.55	10,100
1955	3/23/55	21.44	34,900	1979	1/22/79	18.82	15,100
1956	4/ 8/56	17.56	10,400	1980	3/18/80	19.95	24,000
1957	2/ 2/57	18.32	13,800	1981	4/ 1/81	16.72	8,400
1958	11/16/57	19.18	18,000	1982	4/ 4/82	17.70	11,600
1959	2/15/59	18.25	13,400	1983	12/27/82	22.00 c	34,000
1960	3/ 4/60	19.03	17,000	1984	12/ 4/83	22.46	37,700
1961	2/22/61	22.01	43,300	1985	2/13/85	17.00	9,500
1962	12/18/61	21.21	34,500	1986	3/21/86	15.18	4,850
1963	7/16/63	17.99	12,900	1987	3/ 1/87	17.15	9,780
1964	4/14/64	18.55	15,100	1988	4/ 2/88	16.23	7,220
1965	2/12/65	20.18	21,100				

HISTORICAL DATA: The 1951 peak is the highest known since 1927.

c Estimated.

d Gage height not the maximum for the water year.

# 02440600 Line Creek near Maben, MS

## LOCATION:

Lat 33°39'17", long 89°03'41", S 1/2 sec.26, T.16 S., R.2 E., Chickasaw Meridian, Webster County, Hydrologic Unit 03160104, at bridge on State Highway 15, 1,000 ft downstream from Gulf, Mobile, and Ohio Railroad, and 7.0 mi north of Maben.

## GAGE:

Crest-stage gage. Datum of gage is 283.46 ft above sea level.

DRAINAGE AREA: 4.76 mi<sup>2</sup> SLOPE: 32.2 ft/mi LENGTH: 5.3 mi

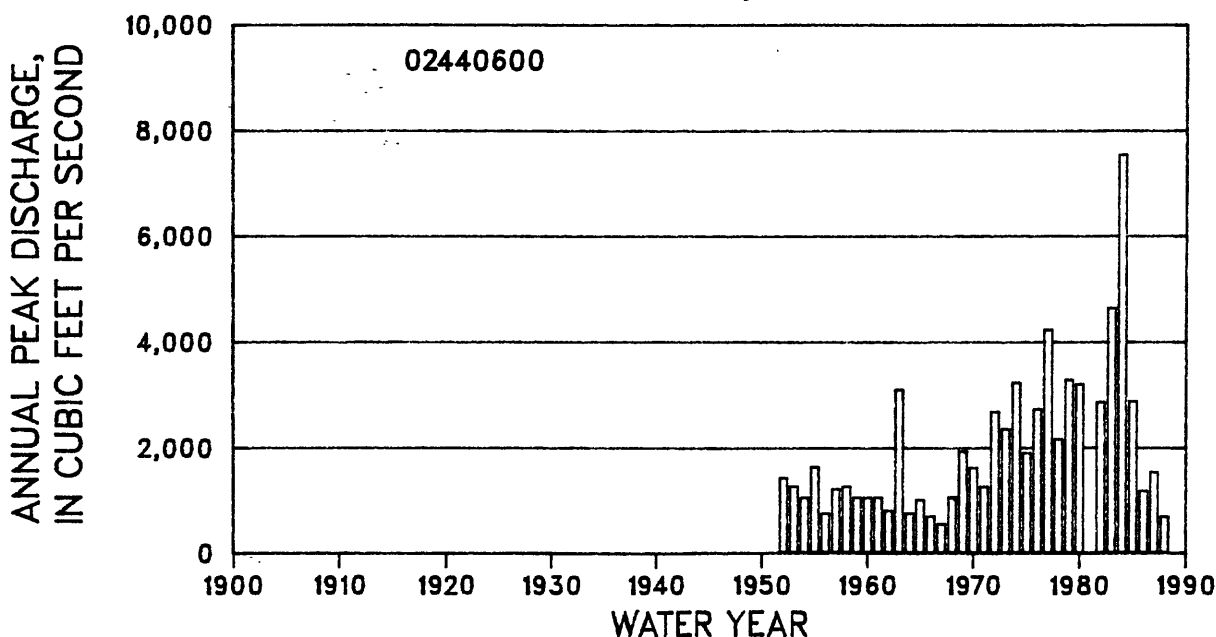
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.216  
STANDARD DEVIATION 0.267  
SKEW 0.159

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	1,620	2,740	3,650	4,980	6,120	7,380	8,770	10,900
REGIONAL	638	1,070	1,410	1,800	2,130	2,400	2,770	3,130
WEIGHTED	1,470	2,310	2,850	3,420	3,850	4,220	4,710	5,270

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	11	13	15	20	25	31	37	45
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	11	11	13	16	19	22	24	28

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 36

Graph of annual peak discharges is shown below.



## 02440600 Line Creek near Maben, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1952	12/ /51	17.78	1,430	1970	3/19/70	18.23	1,620
1953	3/18/53	17.16	1,270	1971	2/26/71	17.22	1,260
1954	5/ 3/54	16.32	1,050	1972	3/ 8/72	20.70	2,680
1955	3/21/55	18.38	1,640	1973	3/16/73	19.97	2,350
1956	2/ 3/56	15.06	750	1974	11/27/73	21.77	3,230
1957	12/12/56	16.97	1,210	1975	3/13/75	18.95	1,900
1958	4/29/58	17.02	1,260	1976	10/17/75	20.80	2,730
1959	4/21/59	16.27	1,050	1977	3/ 4/77	23.37	4,230
1960	3/ 2/60	16.27	1,050	1978	5/ 8/78	19.56	2,160
1961	4/ 1/61	16.34	1,050	1979	7/11/79	21.85	3,280
1962	12/17/61	15.31	800	1980	11/23/79	21.70	3,200
1963	7/14/63	21.50	3,100	1982	4/19/82	21.05	2,860
1964	4/ 6/64	15.06	750	1983	5/19/83	25.67	4,640
1965	2/12/65	16.08	1,010	1984	12/ 3/83	28.33	7,540
1966	4/27/66	14.89	700	1985	10/22/84	22.91	2,880
1967	unknown	--	550 h	1986	3/18/86	18.52	1,180
1968	12/18/67	16.53	1,060	1987	2/28/87	19.87	1,540
1969	4/13/69	19.04	1,940	1988	2/15/88	15.84	690

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

# 02440800 Trim Cane Creek near Starkville, MS

## LOCATION:

Lat 33°28'08", long 88°54'30", W 1/2 sec.35, T.19 N., R.13 E., Choctaw Meridian, Oktibbeha County, Hydrologic unit 03160104, on right bank on downstream side of bridge on U.S. Highway 82, 3.0 mi upstream from Biba Wila Creek, and 6.0 mi west of Starkville.

## GAGE:

Crest-stage gage. Datum of gage is 214.24 ft above Mississippi State Highway Department Datum.

DRAINAGE AREA: 44.9 mi<sup>2</sup> SLOPE: 13.8 ft/mi LENGTH: 13.8 mi

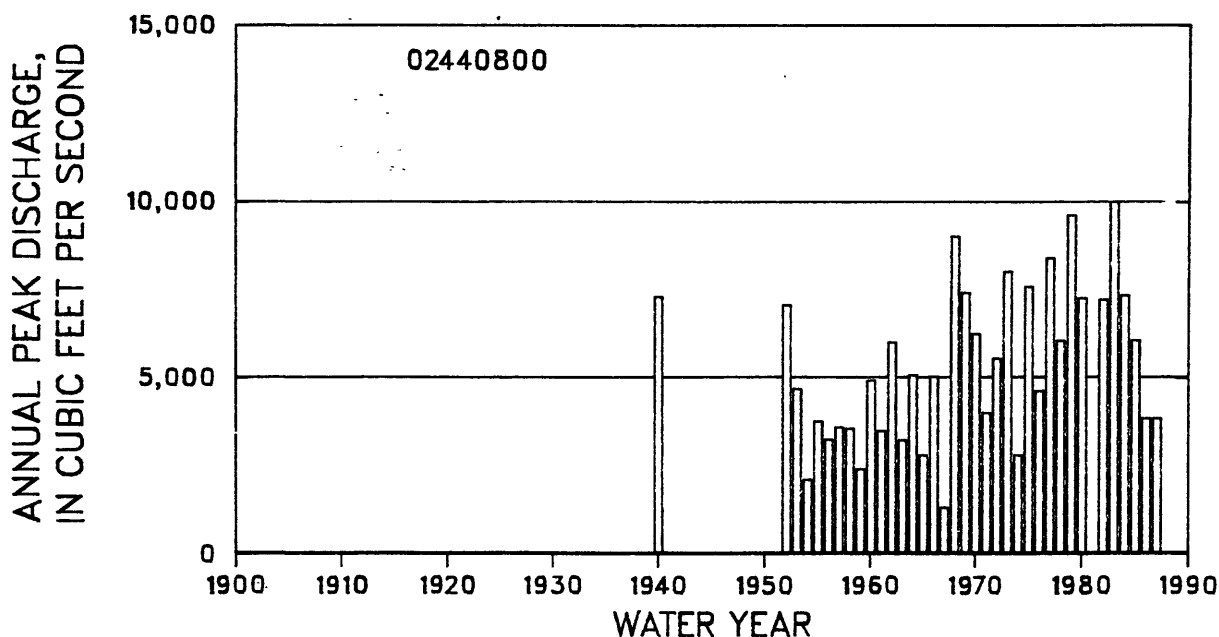
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.696  
STANDARD DEVIATION 0.186  
SKEW -0.462

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	5,130	7,160	8,370	9,760	10,700	11,600	12,400	13,400
REGIONAL	2,710	4,760	6,350	8,220	9,730	11,000	12,800	14,600
WEIGHTED	4,960	6,960	8,170	9,550	10,500	11,500	12,500	13,700

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	8	7	8	10	13	15	18	22
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	8	7	8	9	11	14	16	19

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 36

Graph of annual peak discharges is shown below.





## 02440800 Trim Cane Creek near Starkville, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1940	7/ /40	27.00	7,280 f	1970	4/27/70	26.46	6,230
1952	12/ /51	26.90	7,050	1971	2/21/71	23.92	3,980
1953	4/29/53	24.93	4,670	1972	1/ 4/72	25.89	5,530
1954	5/ 2/54	19.99	2,090	1973	3/16/73	27.31	8,000
1955	4/12/55	23.50	3,740	1974	1/11/74	21.56	2,780
1956	4/ 4/56	22.54	3,220	1975	3/13/75	27.14	7,580
1957	7/ 1/57	23.18	3,570	1976	6/27/76	24.89	4,610
1958	11/16/57	23.12	3,530	1977	3/ 4/77	27.46	8,380
1959	4/18/59	20.71	2,390	1978	5/ 8/78	26.34	6,040
1960	3/ 2/60	25.25	4,910	1979	4/13/79	27.95	9,600
1961	2/21/61	22.99	3,470	1980	4/12/80	26.98	7,240
1962	12/17/61	26.29	6,000	1981	4/ 1/81	17.59	--
1963	7/14/63	22.48	3,200	1982	1/ 3/82	26.96	7,200
1964	4/ 6/64	25.43	5,060	1983	5/19/83	28.10	9,980
1965	2/10/65	21.59	2,780	1984	12/ 3/83	27.02	7,320
1966	4/27/66	25.36	5,020	1985	10/22/84	26.35	6,050
1967	unknown	- -	1,300 h	1986	3/19/86	21.14	3,820 h
1968	12/18/67	27.70	9,000	1987	2/28/87	18.16	3,820 h
1969	4/14/69	27.04	7,400	1988	4/21/88	18.24	--

HISTORICAL DATA: The 1940 peak is the highest known since 1926.

f Discharge is an historical peak.

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

# 02441000 Tibbee Creek near Tibbee, MS

## LOCATION:

Lat 33°32'17", long 88°38'00", SW 1/4 sec.4, T.19 N., R.16 E., Choctaw Meridian, Clay County, Hydrologic Unit 03160104, on right bank 10 ft downstream from bridge on old State Highway 25, 560 ft upstream from Illinois Central and Gulf Railroad bridge, 0.7 mi north of Tibbee, 4.5 mi upstream from Magee Creek, 5.0 mi southwest of West Point, 9.8 mi upstream from Catalpa Creek, and 17.7 mi upstream from mouth.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 154.07 ft above sea level. From Aug. 7, 1928, to Aug. 31, 1930, nonrecording gage at site 560 ft downstream. From Nov. 5, to Dec. 6, 1939, nonrecording gage.

DRAINAGE AREA: 926 mi<sup>2</sup> SLOPE: 3.8 ft/mi LENGTH: 54.8 mi

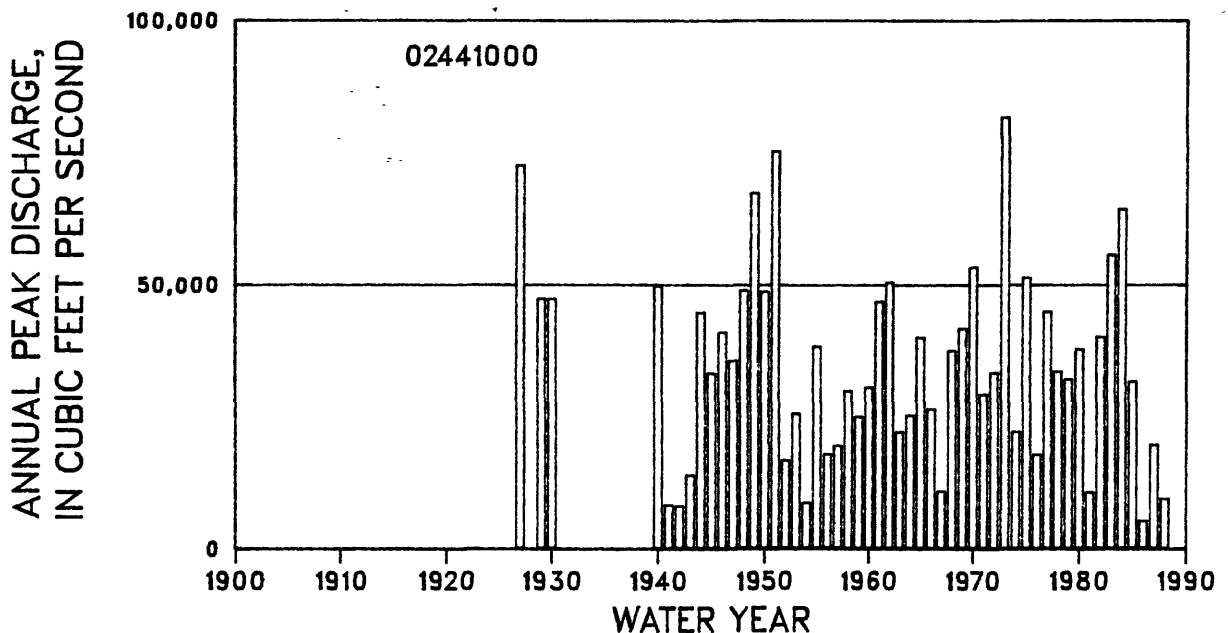
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.469  
STANDARD DEVIATION 0.276  
SKEW -0.611

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	31,400	50,700	62,900	77,400	87,300	96,500	105,000	116,000
REGIONAL	19,900	35,100	47,400	62,000	76,400	92,700	99,300	125,000
WEIGHTED	29,100	47,600	59,100	71,300	81,600	94,100	101,000	123,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	10	9	9	12	15	19	23	28
REGIONAL	22	19	17	16	15	15	16	17
WEIGHTED	9	8	8	9	11	12	13	15

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 52

Graph of annual peak discharges is shown below.



## 02441000 Tibbee Creek near Tibbee, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1927	12/ /26	31.50	72,500	1963	7/17/63	26.07	22,100
1929	3/24/29	28.70 a	47,300	1964	4/14/64	26.53	25,300
1930	5/20/30	28.71 a	47,300	1965	2/12/65	28.47	40,000
1940	7/ 4/40	29.10 d	49,700	1966	2/14/66	26.70	26,500
1941	12/18/40	22.06 d	8,230	1967	2/23/67	23.69	10,800
1942	2/26/42	20.52	8,010	1968	12/19/67	28.16	37,500
1943	3/15/43	24.40	13,900	1969	4/15/69	28.69	41,700
1944	3/30/44	28.94	44,700	1970	12/31/69	29.74	53,300
1945	2/23/45	27.39	33,200	1971	2/23/71	27.08	29,200
1946	2/11/46	27.98	41,000	1972	1/ 5/72	27.64	33,300
1947	1/ 3/47	27.60	35,600	1973	3/17/73	32.26	81,600
1948	2/14/48	28.49	48,900	1974	12/27/73	26.11	22,200
1949	1/ 5/49	30.15	67,300	1975	3/14/75	29.53	51,300
1950	1/ 7/50	28.87	48,700	1976	4/ 1/76	25.35	17,800
1951	3/29/51	30.82	75,200	1977	3/ 5/77	28.89	44,900
1952	12/23/51	25.38	16,700	1978	5/ 9/78	27.67	33,500
1953	2/23/53	26.82	25,600	1979	4/14/79	27.51	32,100
1954	5/ 6/54	23.18	8,620	1980	4/14/80	27.80	37,800
1955	3/23/55	28.14	38,300	1981	4/ 2/81	23.01	10,600
1956	3/17/56	25.60	17,900	1982	1/ 4/82	28.33	40,100
1957	2/ 3/57	26.12	19,500	1983	12/28/82	30.02	55,600
1958	11/16/57	26.70	29,900	1984	12/ 4/83	30.52	64,200
1959	2/15/59	25.98	25,000	1985	10/23/84	27.22	31,700
1960	3/ 4/60	26.84	30,600	1986	3/20/86	18.30	5,190
1961	2/22/61	29.06	46,800	1987	3/ 1/87	25.20	19,700
1962	12/18/61	29.51	50,400	1988	4/ 4/88	22.45	9,430

HISTORICAL DATA: The 1973 peak is the highest known since 1892.

a Gage height at different site and (or) datum.

d Gage height not the maximum for the water year.

02441220 Sand Creek tributary near Mayhew, MS

LOCATION:

Lat 33°28'37", long 88°43'23", on line between secs.27 and 34, T.19 N., R.15 E., Choctaw Meridian, Oktibbeha County, Hydrologic Unit 03160104, at U.S. Highway 82, and 3.7 mi west of Mayhew.

GAGE:

Crest-stage gage. Assumed datum. Prior to Oct. 1, 1973, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.44 mi<sup>2</sup> SLOPE: 13.4 ft/mi LENGTH: 1.1 mi

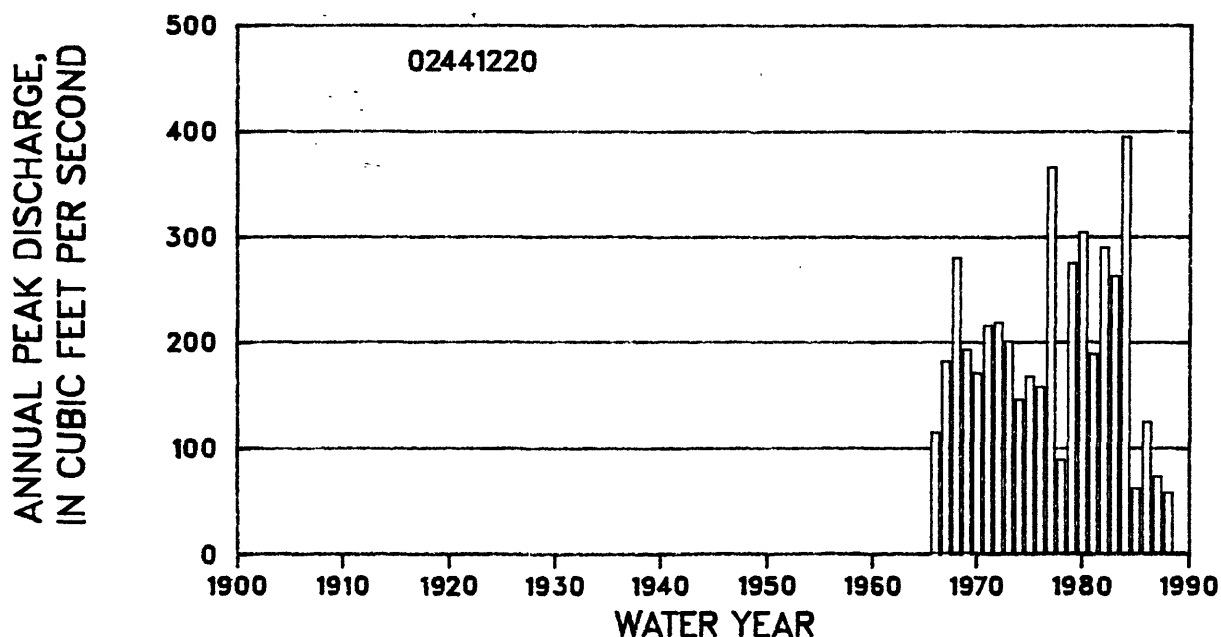
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.242  
STANDARD DEVIATION 0.233  
SKEW -0.357

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	180	276	339	417	473	528	581	650
REGIONAL	159	236	293	361	417	461	520	578
WEIGHTED	177	269	329	400	453	500	553	614

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	12	12	13	17	21	25	30	36
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	11	11	12	14	17	19	22	26

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 23

Graph of annual peak discharges is shown below.



## 02441220 Sand Creek tributary near Mayhew, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1966	9/18/66	4.77	115	1978	3/14/78	4.34	89
1967	7/ 9/67	5.78	182	1979	4/12/79	6.98	275
1968	7/ 9/68	7.02	280	1980	4/12/80	7.32	304
1969	5/18/69	5.94	193	1981	4/ 1/81	5.88	189
1970	4/16/70	5.36	171	1982	5/26/82	7.15	290
1971	2/21/71	6.23	216	1983	5/19/83	6.81	263
1972	3/ 8/72	6.26	219	1984	4/27/84	8.75	395
1973	3/16/73	6.04	201	1985	11/24/84	3.81	62
1974	1/11/74	5.27	146	1986	3/19/86	4.93	125
1975	3/13/75	5.58	168	1987	11/26/86	4.03	73
1976	2/ 6/76	5.44	158	1988	2/ 4/88	3.76	58
1977	4/ 2/77	8.10	366				

# 02441300 Catalpa Creek at Mayhew, MS

## LOCATION:

Lat 33°28'53", long 88°37'42", NE 1/4 SW 1/4 sec.28, T.19 N., R.16 E., Choctaw Meridian, Lowndes County, Hydrologic Unit 03160104, on right bank at downstream side of bridge on U.S. Highway 82, and 0.5 mi east of Mayhew.

## GAGE:

Crest-stage gage. Datum of gage is 173.02 ft above sea level. From July 10, 1963, to June 9, 1978, a water-stage recorder at downstream side of bridge.

DRAINAGE AREA: 98.0 mi<sup>2</sup> SLOPE: 9.1 ft/mi LENGTH: 17.2 mi

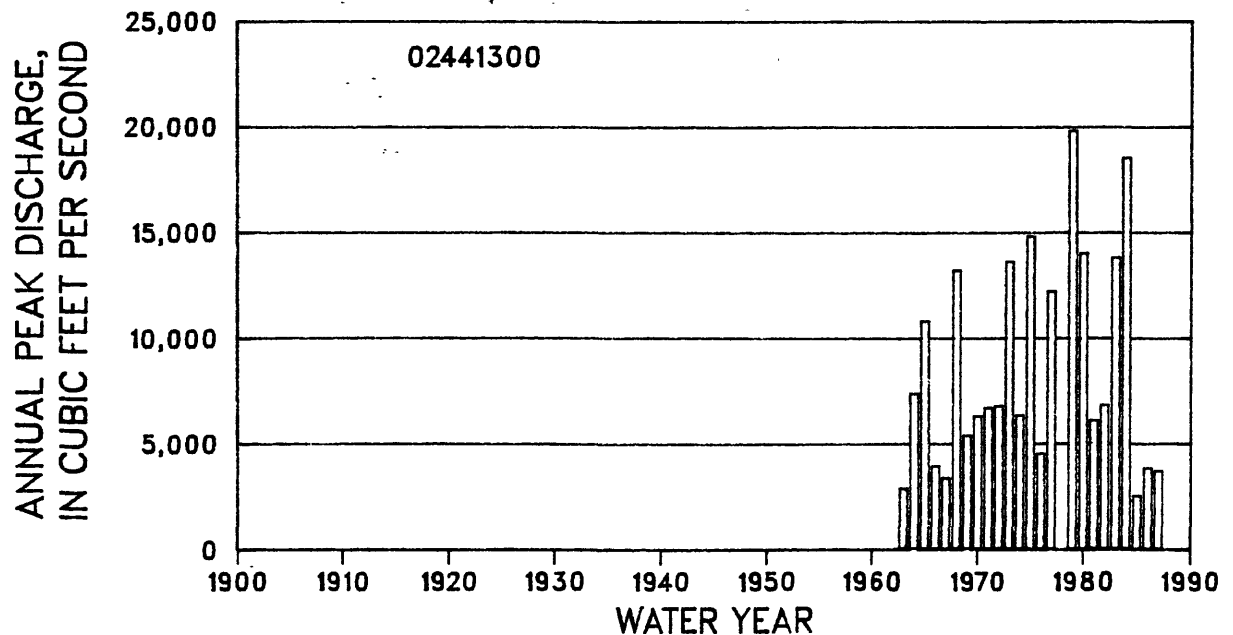
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.860  
STANDARD DEVIATION 0.267  
SKEW -0.077

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	7,310	12,200	15,800	20,900	24,900	29,200	33,700	40,100
REGIONAL	4,660	8,240	11,000	14,300	16,800	19,200	22,100	25,300
WEIGHTED	6,850	11,200	14,200	17,900	20,700	23,400	26,600	30,400

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	14	14	17	22	27	32	38	47
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	13	13	14	17	19	22	25	29

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 24

Graph of annual peak discharges is shown below.



## 02441300 Catalpa Creek at Mayhew, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1963	7/17/63	15.18	2,860	1975	3/13/75	20.40	14,800
1964	4/ 6/64	18.30	7,380	1976	2/ 6/76	16.67	4,520
1965	2/ 9/65	19.40	10,800	1977	3/ 4/77	19.75	12,200
1966	2/13/66	16.49	3,910	1979	4/13/79	21.52	19,800
1967	7/10/67	15.55	3,340	1980	4/12/80	19.80	14,000
1968	12/18/67	20.00	13,200	1981	4/ 1/81	17.16	6,100
1969	4/14/69	17.26	5,380	1982	4/20/82	17.42	6,830
1970	12/30/69	17.80	6,300	1983	12/ 4/82	19.49	13,800
1971	5/13/71	18.00	6,700	1984	12/ 3/83	20.48	18,500
1972	1/10/72	18.04	6,790	1985	2/11/85	14.11	2,500
1973	3/16/73	20.10	13,600	1986	3/19/86	15.72	3,820
1974	4/13/74	17.82	6,340	1987	11/26/86	15.62	3,700

# 02441390 Tombigbee River at Columbus Lock and Dam, MS

## LOCATION:

Lat 33°31'05", long 88°29'19", NE 1/4 sec.11, T.18 S., R.19 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, at control tower on right bank of lock, 3.5 mi northwest of Columbus, 4.1 mi upstream from Tombigbee River at Columbus (Station 02441500), 6.4 mi upstream from Luxapallila Creek, and at mi 325.3.

## GAGE:

Continuous-discharge gage, water-stage, gate-position, and lockage recorder. Datum of gage is 100.0 ft above sea level. Prior to April 1, 1981, recorder at site 4.1 mi downstream at datum 28.91 ft higher (see 02441500 Tombigbee River at Columbus). Data for 1982 and 1983 water years referenced to ft above sea level.

DRAINAGE AREA: 4,440 mi<sup>2</sup>

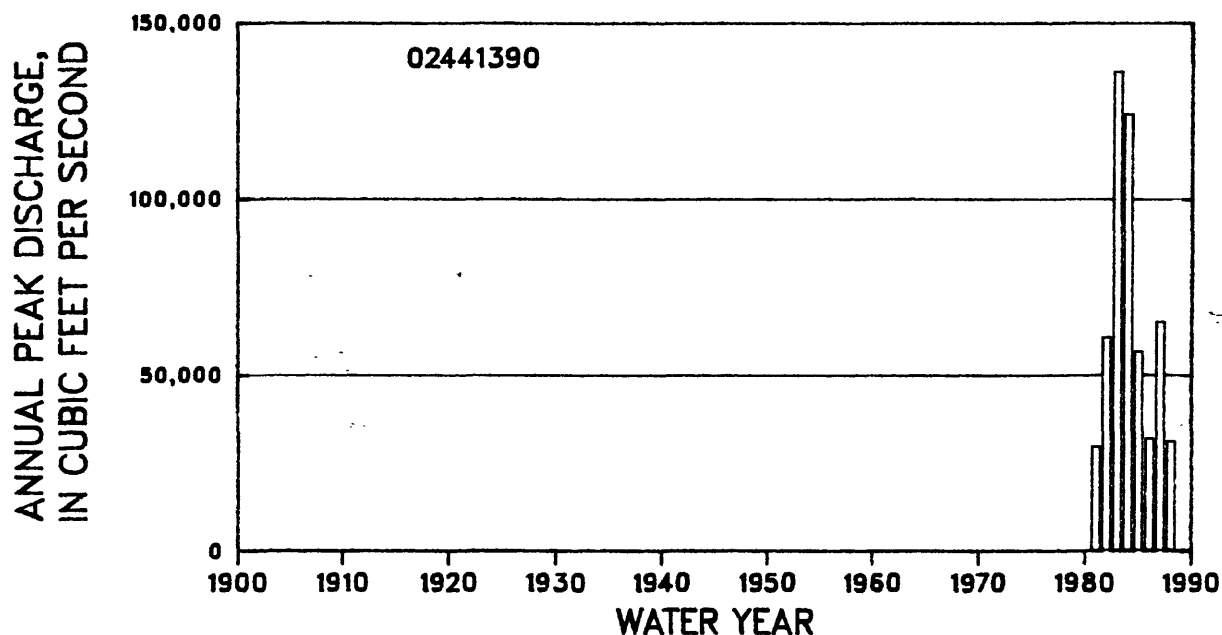
SLOPE: --

LENGTH: --

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	57,800	93,800	123,000	133,000	206,000	247,000	--	364,000

NOTE: Discharges are affected by the Tennessee-Tombigbee Waterway. The flood-frequency discharges are for existing project conditions and represent combined flow in the natural and regulated channels. These discharges were obtained from the U.S. Army Corps of Engineers, Mobile District (written commun., April 1990).

Graph of annual peak discharges is shown below.





## 02441390 Tombigbee River at Columbus Lock and Dam, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1981	4/ 3/81	--	29,700 k	1985	5/ 4/85	63.48	56,800 k
1982	1/ 6/82	161.77 a	60,800 k	1986	3/19/86	63.05	32,000 k
1983	5/22/83	170.83 a	136,000 k	1987	3/ 1/87	62.97	65,200 k
1984	12/ 6/83	71.09 b	124,000 k	1988	4/ 2/88	62.95	31,200 k

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

k Discharge affected by regulation.

# 02441500 Tombigbee River at Columbus, MS

## LOCATION:

Lat 33°29'21", long 88°25'57", NE 1/4 sec.20, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, on left bank at Columbus, 0.2 mi downstream from bridge on Old U.S. Highway 45E and 82, 0.3 mi upstream from Gulf, Mobile and Ohio Railroad bridge, 2.3 mi upstream from Luxapallila Creek, 4.1 mi downstream from Tombigbee River Lock and Dam (Station 02441390), and 6.7 mi downstream from Tibbee Creek.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 128.91 ft above sea level. Prior to Nov. 7, 1934, nonrecording gage at various sites within 0.2 mi of present site, at datum 4.00 ft higher prior to Mar. 13, 1934, and at present datum thereafter. Discharges obtained from Station 02441390 after Oct. 1, 1981.

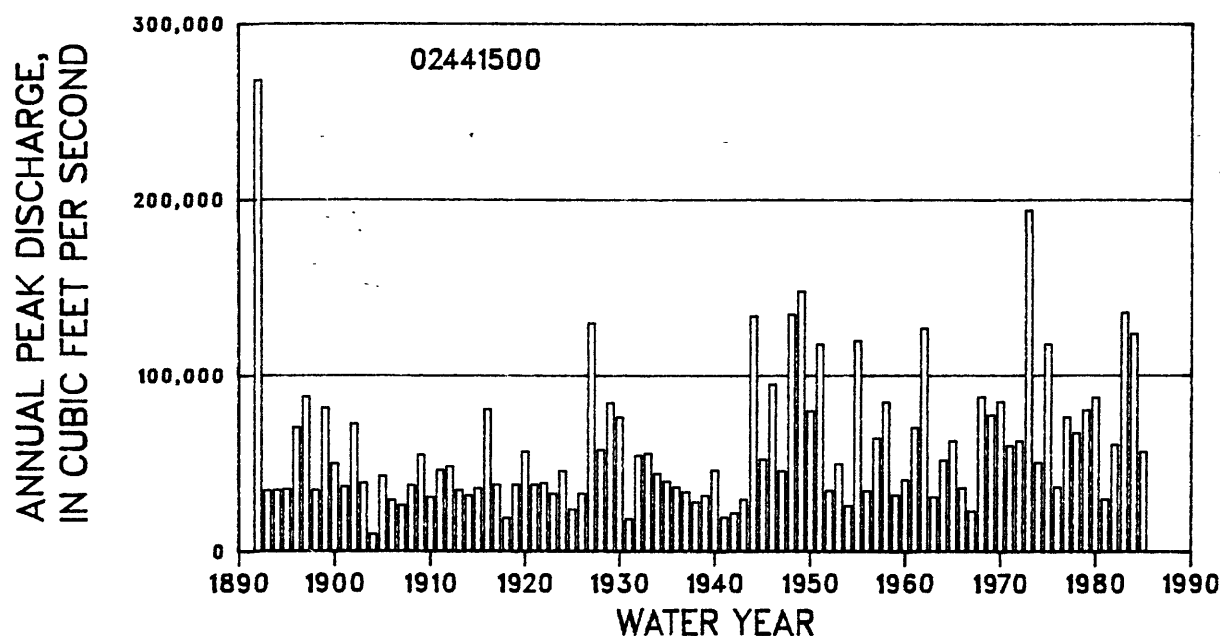
DRAINAGE AREA: 4,460 mi<sup>2</sup>      SLOPE: 1.4 ft/mi      LENGTH: 143.0 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:	MEAN	4.699
	STANDARD DEVIATION	0.243
	SKEW	0.214

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	58,100	94,200	124,000	168,000	207,000	279,000	--	400,000

NOTE: Discharges are affected by the Tennessee-Tombigbee Waterway. Statistics of logarithms of annual peak discharge are for natural conditions. The flood-frequency discharges are for existing project conditions and represent combined flow in the natural and regulated channels. These discharges were obtained from the U.S. Army Corps of Engineers, Mobile District (written commun., April 1990).

Graph of annual peak discharges is shown below.



02441500 Tombigbee River at Columbus, MS--Continued  
Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1892	4/ 8/92	40.09 a	268,000 c	1939	3/ 2/39	24.15	31,800
1893	2/20/93	21.40 a	34,800	1940	7/ 5/40	30.00	46,300
1894	3/21/94	21.60 a	35,100	1941	3/10/41	17.91	19,300
1895	3/21/95	21.90 a	35,600	1942	2/27/42	17.89 d	21,800
1896	2/ 7/96	30.40 a	70,800	1943	3/17/43	23.66	29,600
1897	3/23/97	31.90 a	88,200	1944	3/31/44	37.64	134,000
1898	1/25/98	21.50 a	35,000	1945	2/24/45	31.43	52,400
1899	3/17/99	31.40 a	81,800	1946	1/12/46	35.94 d	95,000
1900	4/19/00	27.60 a	50,000	1947	4/15/47	29.40 d	45,800
1901	1/15/01	22.70 a	37,000	1948	2/16/48	38.32	135,000
1902	3/31/02	30.60 a	72,800	1949	1/ 7/49	39.32	148,000
1903	2/12/03	23.90 a	39,030	1950	1/ 9/50	35.13	79,800
1904	4/ 4/04	6.20 a	9,980	1951	4/ 1/51	37.78 d	118,000
1905	2/23/05	26.00 a	43,000	1952	12/25/51	25.38 d	34,600
1906	4/ 1/06	18.20 a	29,300	1953	2/25/53	30.46 d	49,800
1907	3/ 6/07	16.40 a	26,300	1954	1/26/54	21.58 d	26,100
1908	2/20/08	23.20 a	37,800	1955	3/25/55	37.38 d	120,000
1909	3/15/09	28.50 a	55,000	1956	4/11/56	25.01 d	34,500
1910	7/12/10	19.10 a	30,900	1957	2/ 5/57	33.40 d	64,400
1911	4/24/11	26.20 a	46,500	1958	11/22/57	35.25	85,100
1912	4/ 4/12	27.00 a	48,500	1959	2/17/59	24.60	32,100
1913	3/ 3/13	23.00 a	35,000	1960	3/ 7/60	27.99 d	40,700
1914	4/ 5/14	21.50 a	32,000	1961	2/24/61	35.14	70,500
1915	2/ 6/15	23.50 a	36,000	1962	12/20/61	38.40	127,000
1916	7/13/16	31.30 a	81,000	1963	3/17/63	22.43 d	31,000
1917	4/ 9/17	24.10 a	38,000	1964	4/16/64	31.54 d	51,900
1918	2/ 2/18	13.80 a	19,000	1965	2/14/65	--	62,900
1919	3/ 3/19	24.20 a	38,000	1966	2/16/66	25.75 d	36,200
1920	4/ 5/20	28.90 a	57,000	1967	2/25/67	19.06 d	23,000
1921	4/20/21	24.00 a	38,000	1968	1/13/68	35.76	88,000
1922	3/14/22	24.60 a	39,000	1969	4/17/69	34.96	77,600
1923	3/27/23	22.00 a	33,000	1970	1/ 3/70	35.48 d	85,200
1924	3/ 9/24	26.80 a	46,000	1971	3/ 1/71	33.16 d	60,200
1925	1/19/25	17.00 a	24,000	1972	1/ 7/72	32.98	62,900
1926	11/ 9/25	22.00 a	33,000	1973	3/19/73	42.22	194,000
1927	12/28/26	34.40 a	130,000	1974	1/30/74	30.82	50,600
1928	4/25/28	29.00 a	58,000	1975	3/17/75	37.82	118,000
1929	3/25/29	29.60 a	84,600	1976	4/ 3/76	26.11	36,500
1930	5/21/30	28.80 a	76,500	1977	3/ 8/77	35.04	76,500
1931	3/31/31	13.25 a	18,500	1978	5/12/78	33.90	67,400
1932	12/20/31	26.74 a	54,700	1979	4/14/79	35.33	80,400
1933	12/16/32	26.90 a	55,900	1980	3/22/80	35.56	87,600
1934	3/ 7/34	24.70 ab	44,300	1981	4/ 1/81	19.75	29,700 g
1935	3/ 9/35	28.12	39,900	1982	1/ 6/82	29.21	60,800 g
1936	2/ 7/36	26.93	36,600	1983	5/22/83	37.70	136,000 g
1937	1/27/37	26.19	33,900	1984	12/ 6/83	36.87	124,000 g
1938	4/11/38	24.01	28,100	1985	5/ 4/85	22.48	56,800 g

HISTORICAL DATA: The 1892 peak is the highest known since 1833.

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

c Estimated.

d Gage height not the maximum for the water year.

g Discharge affected to an unknown degree by regulation or diversion.

# 02443000 Luxapallila Creek at Steens, MS

## LOCATION:

Lat 33°33'35", long 88°18'55", NE 1/4 sec.27, T.17 S., R.17 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160105, on county highway, and 0.2 mi southwest of Steens.

## GAGE:

Continuous-discharge gage, water-stage recorder and crest-stage gage since Aug. 29, 1984. Datum of gage is 177.13 ft above sea level. Nonrecording gage prior to July 13, 1944. From July 13, 1944, to May 21, 1981, water-stage recorder. Crest-stage and nonrecording gage since Oct. 4, 1981.

DRAINAGE AREA: 309 mi<sup>2</sup> SLOPE: 5.8 ft/mi LENGTH: 56.9 mi

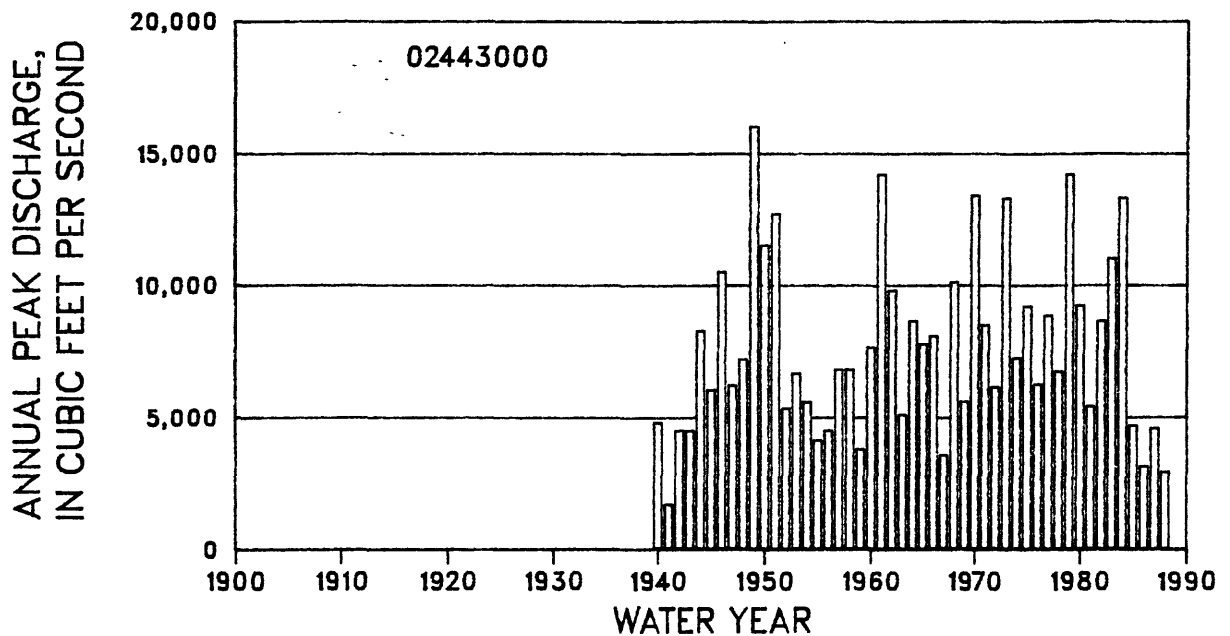
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.845  
STANDARD DEVIATION 0.185  
SKEW -0.019

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	7,010	10,000	12,100	14,700	16,700	18,800	20,800	23,700
REGIONAL	7,570	13,800	18,700	24,700	29,400	33,800	39,300	45,500
WEIGHTED	7,030	10,200	12,600	15,800	18,500	21,300	24,300	28,400

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	7	7	8	11	13	16	19	23
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	6	7	8	10	12	14	16	19

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 49

Graph of annual peak discharges is shown below.



## 02443000 Luxapallila Creek at Steens, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1940	7/ 5/40	15.40	4,800	1965	2/13/65	17.16	7,780
1941	8/ 3/41	11.20	1,700	1966	4/29/66	17.30	8,090
1942	8/21/42	15.20	4,500	1967	2/21/67	14.24	3,580
1943	12/29/42	15.20	4,500	1968	12/21/67	18.03	10,100
1944	3/29/44	17.35	8,280	1969	4/12/69	16.13	5,610
1945	2/14/45	16.06	6,050	1970	3/20/70	18.74	13,400
1946	1/10/46	18.00	10,500	1971	2/23/71	17.48	8,490
1947	1/20/47	16.25	6,210	1972	1/ 6/72	16.42	6,150
1948	2/10/48	16.90	7,200	1973	3/18/73	18.59	13,300
1949	1/ 6/49	19.20	16,000	1974	12/27/73	17.10	7,250
1950	1/ 8/50	18.34	11,500	1975	3/14/75	17.77	9,200
1951	3/30/51	18.55	12,700	1976	10/19/75	16.55	6,250
1952	3/12/52	15.47	5,350	1977	4/ 4/77	17.67	8,860
1953	2/22/53	16.46	6,670	1978	5/ 8/78	16.82	6,730
1954	1/23/54	15.69	5,590	1979	4/14/79	18.73	14,200
1955	3/23/55	14.31	4,140	1980	4/14/80	17.78	9,230
1956	2/21/56	14.71	4,500	1981	4/ 1/81	16.03	5,420
1957	4/ 5/57	16.62	6,820	1982	1/ 4/82	17.60	8,650
1958	11/20/57	16.61	6,820	1983	3/ 7/83	18.20	11,000
1959	1/23/59	14.03	3,800	1984	12/ 4/83	18.58	13,300
1960	3/ 4/60	17.07	7,650	1985	5/ 3/85	15.48	4,680
1961	2/23/61	18.90	14,200	1986	3/14/86	13.56	3,140
1962	12/20/61	17.94	9,800	1987	2/28/87	15.41	4,580
1963	7/18/63	15.81	5,100	1988	1/21/88	12.10	2,920
1964	3/16/64	17.55	8,660				

HISTORICAL DATA: The 1949 peak is the highest known since 1916.

# 02443500 Luxapallila Creek near Columbus, MS

## LOCATION:

Lat 33°30'50", long 88°23'44", NW 1/4 SW 1/4 sec.11, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160105, on right bank at Columbus Waterworks pumping plant, 175 ft upstream from bridge on county highway, 0.6 mi upstream from Magby Creek, 1.4 mi upstream from U.S. Highway 82, and 6.2 mi upstream from mouth.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 142.23 ft above sea level. Prior to Nov. 30, 1974, nonrecording gage at same site. From September 1928 to September 1930, at undetermined datum, but appears to be same as present datum.

DRAINAGE AREA: 715 mi<sup>2</sup>      SLOPE: 9.0 ft/mi      LENGTH: 65.2 mi

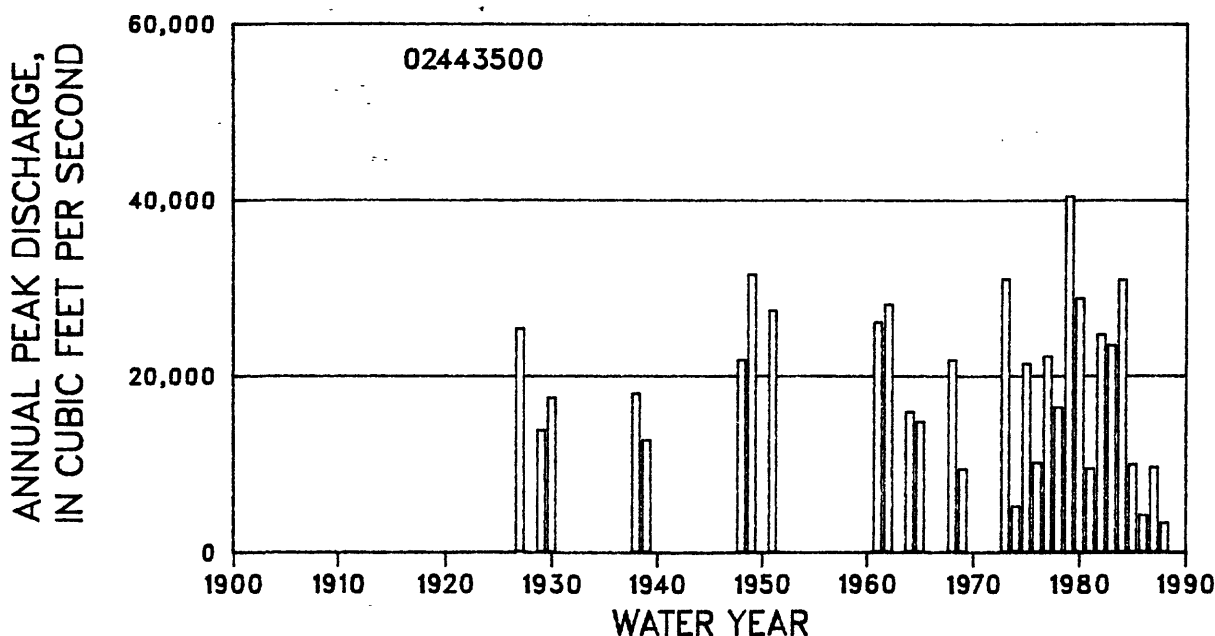
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN    4.218  
    STANDARD DEVIATION    0.243  
    SKEW    -0.585

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	17,500	26,700	32,400	39,000	43,500	47,700	51,500	56,200
REGIONAL	14,400	27,400	37,900	50,400	60,300	69,500	81,300	94,200
WEIGHTED	17,100	26,800	33,200	41,200	47,700	54,100	61,300	70,100

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	11	10	11	14	18	22	26	32
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	11	9	10	12	15	18	20	24

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 30

Graph of annual peak discharges is shown below.



## 02443500 Luxapallila Creek near Columbus, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1892	4/ /92	35.30	--	1974	3/30/74	17.30	5,200
1927	12/ /26	31.00	25,400	1975	3/15/75	28.31	21,400
1929	3/24/29	26.60	13,800	1976	10/19/75	24.05	10,100
1930	11/15/29	28.20	17,500	1977	4/ 5/77	28.35	22,200
1938	4/ /38	28.30	18,000	1978	5/10/78	25.53	16,400
1939	4/ /39	25.30	12,700	1979	4/14/79	32.35	40,400
1948	2/ /48	29.80	21,800	1980	4/14/80	29.37	28,800
1949	1/ /49	32.80	31,500	1981	4/ 1/81	21.80	9,450
1951	3/ /51	31.60	27,400	1982	1/ 5/82	28.19	24,700
1961	2/ /61	31.20	26,100	1983	5/21/83	27.82	23,500
1962	12/ /61	31.80	28,100	1984	12/ 4/83	29.92	30,900
1964	4/28/64	27.30	15,900	1985	5/ 4/85	21.79	9,910
1965	2/12/65	26.70	14,800	1986	3/14/86	16.05	4,230
1968	12/20/67	29.80	21,800	1987	3/ 1/87	21.41	9,600
1969	4/ /69	22.60	9,400	1988	1/21/88	14.28	3,310
1973	3/17/73	30.80	31,000				

HISTORICAL DATA: The 1979 peak is the highest known since 1892.

02443605 Mayo Slough tributary near Columbus, MS

LOCATION:

Lat 33°28'40", long 88°31'05", on line between secs.28 and 33, T.19 N., R.17 E., Choctaw Meridian, Lowndes County, Hydrologic Unit 03160105, at box culvert on U.S. Highway 82, and 5.0 mi west of Columbus.

GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Sept. 30, 1971, water-stage and rain-gage recorder also.

DRAINAGE AREA: 0.24 mi<sup>2</sup> SLOPE: 46.0 ft/mi LENGTH: 0.7 mi

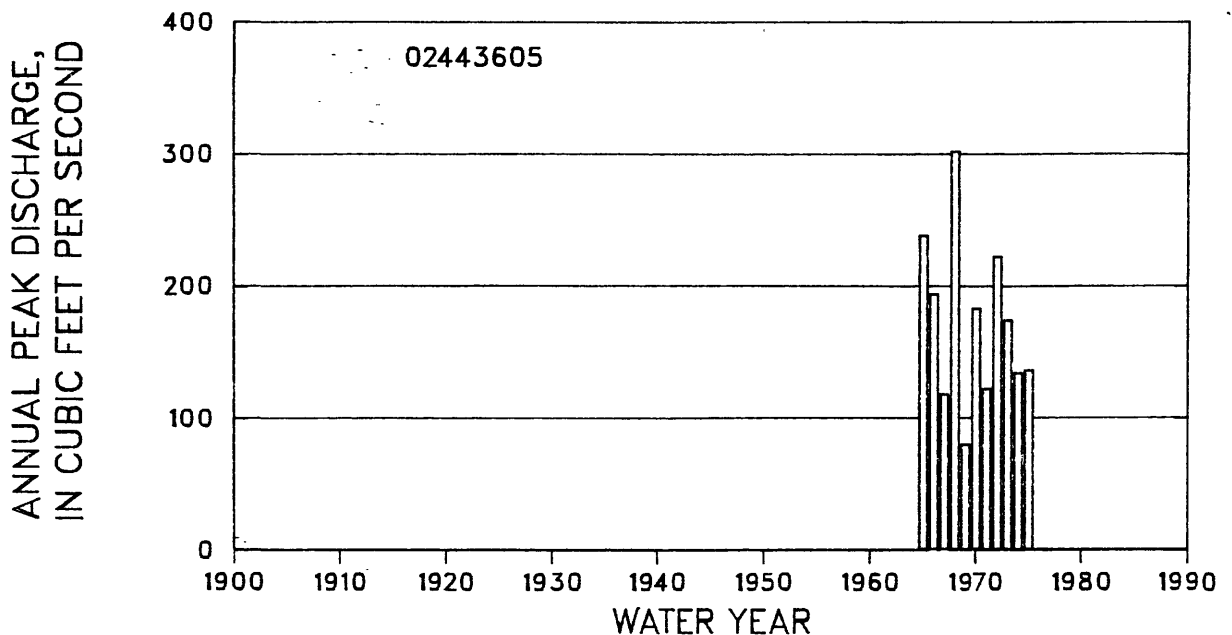
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.211  
STANDARD DEVIATION 0.164  
SKEW -0.138

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	164	224	262	309	343	377	410	453
REGIONAL	119	181	228	282	328	361	410	455
WEIGHTED	158	215	253	300	337	370	410	454

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	12	13	15	19	23	28	33	41
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	12	12	13	15	18	21	23	27

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 11

Graph of annual peak discharges is shown below.





## 02443605 Mayo Slough tributary near Columbus, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1965	2/ 8/65	6.36	238	1971	2/21/71	4.73	122
1966	4/20/66	5.77	194	1972	3/ 8/72	6.16	222
1967	7/ 9/67	4.66	118	1973	3/15/73	5.48	174
1968	7/ 9/68	7.47	302	1974	11/27/73	4.91	134
1969	4/14/69	4.01	80	1975	3/13/75	4.95	136
1970	4/16/70	5.61	183				

02443700 Cedar Creek near Brooksville, MS

LOCATION:

Lat 33°20'00", long 88°32'30", SW 1/4 sec.17, T.17 N., R.17 E., Choctaw Meridian, Lowndes County, Hydrologic Unit 03160106, at box culvert on U.S. Highway 45, and 7.5 mi north of Brooksville.

GAGE:

Crest-stage gage. Datum of gage is 236.89 ft above sea level. Prior to Sept. 30, 1971, water-stage and rain-gage recorder also.

DRAINAGE AREA: 0.49 mi<sup>2</sup> SLOPE: 21.9 ft/mi LENGTH: 0.9 mi

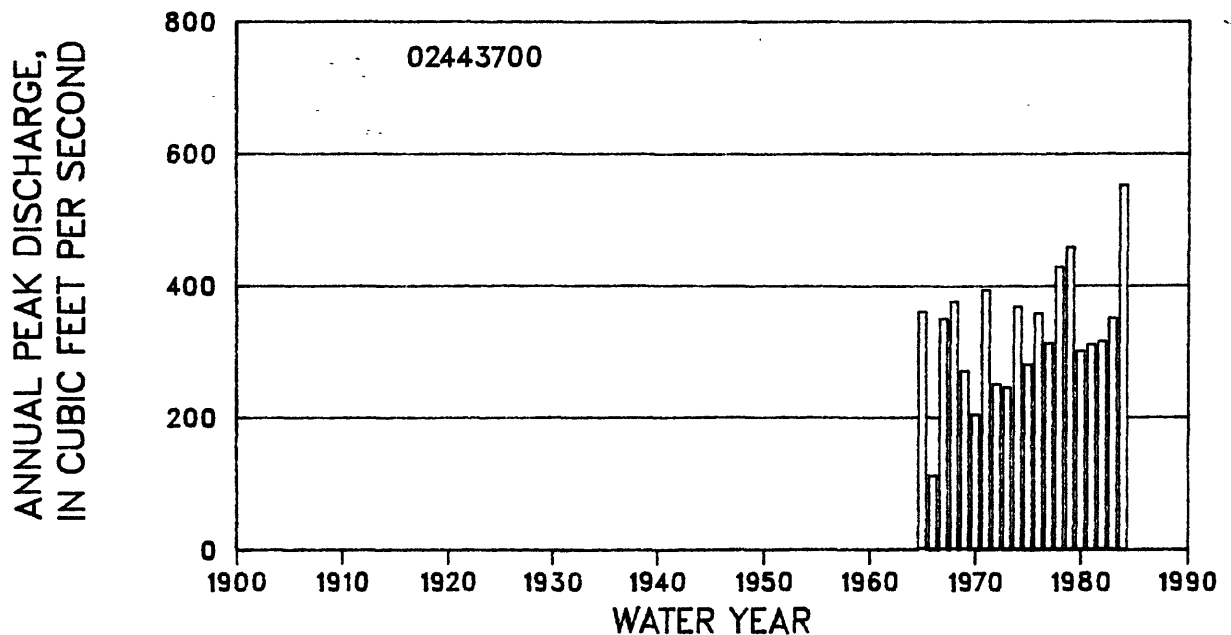
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.513  
STANDARD DEVIATION 0.107  
SKEW -0.055

	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
T	2	5	10	25	50	100	200	500
STATION	327	402	447	500	537	573	607	652
REGIONAL	189	287	360	443	513	566	640	711
WEIGHTED	321	395	440	493	533	572	614	665

	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
T	2	5	10	25	50	100	200	500
STATION	6	6	7	10	12	14	17	20
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	6	6	7	9	11	13	15	18

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 20

Graph of annual peak discharges is shown below.



## 02443700 Cedar Creek near Brooksville, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1965	2/ 9/65	6.83	360	1975	3/13/75	6.48	280
1966	8/15/66	4.82	112	1976	10/17/75	6.83	358
1967	7/ 9/67	6.77	350	1977	4/ 2/77	6.72	312
1968	7/ 9/68	6.97	376	1978	5/ 8/78	7.37	428
1969	4/10/69	6.08	270	1979	4/12/79	7.60	458
1970	3/ 9/70	5.92	204	1980	4/12/80	6.44	300
1971	2/21/71	7.10	393	1981	4/ 1/81	6.72	310
1972	1/10/72	6.00	250	1982	4/20/82	6.78	315
1973	3/15/73	6.22	245	1983	5/19/83	6.93	350
1974	11/27/73	6.91	368	1984	4/27/84	8.32	552

02447220 Bogue Fallah tributary near Ackerman, MS

LOCATION:

Lat 33°20'12", long 89°07'05", SW 1/4 sec.14, T.17 N., R.11 E., Choctow Meridian, Choctaw County, Hydrologic Unit 03160108, at box culvert on State Highway 12, 0.2 mi northeast of Fulcher, and 4.1 mi northeast of Ackerman.

GAGE:

Crest-stage gage. Prior to September 1971, water-stage and rain-gage recorder also. Datum of gage is assumed.

DRAINAGE AREA: 0.34 mi<sup>2</sup> SLOPE: 67.5 ft/mi LENGTH: 1.1 mi

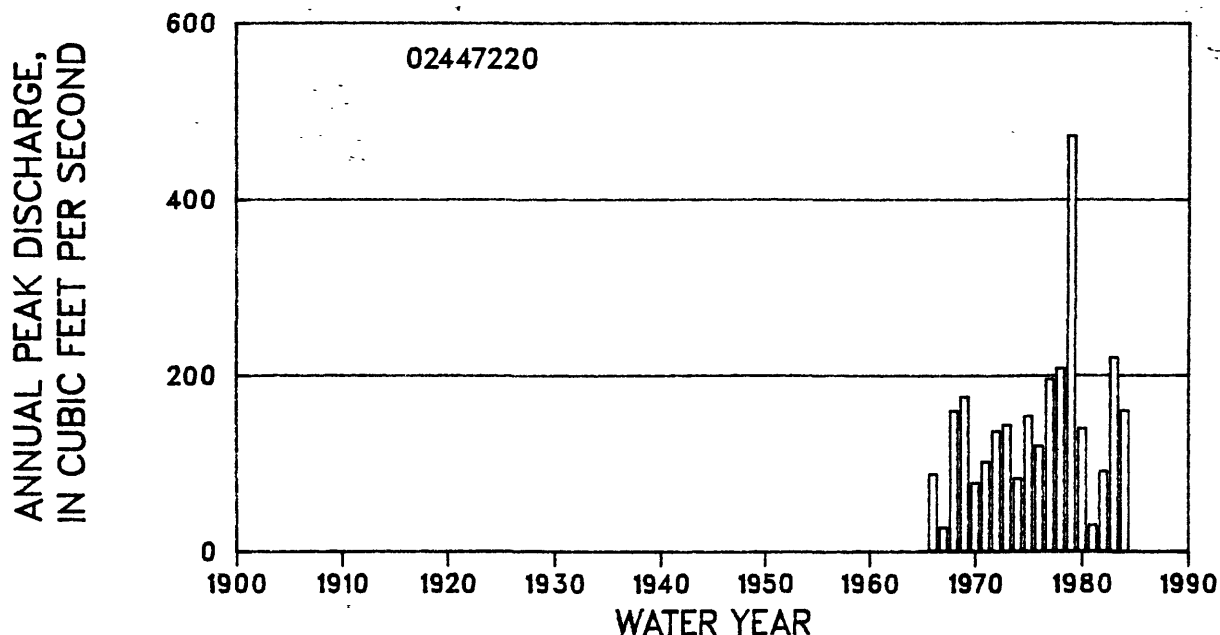
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.085  
STANDARD DEVIATION 0.288  
SKEW -0.326

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	126	214	277	359	421	484	547	632
REGIONAL	135	213	273	341	400	442	507	564
WEIGHTED	128	214	276	351	410	460	522	588

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	17	16	18	23	29	35	41	51
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	15	14	15	17	20	23	26	30

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 19

Graph of annual peak discharges is shown below.



## 02447220 Bogue Fallah tributary near Ackerman, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1966	4/26/66	4.29	88	1976	6/27/76	4.83	120
1967	2/20/67	3.00	27	1977	3/ 4/77	5.95	196
1968	12/17/67	5.44	160	1978	5/ 8/78	6.13	208
1969	4/10/69	5.67	176	1979	4/12/79	9.17	472
1970	12/30/69	4.09	78	1980	4/12/80	5.15	140
1971	5/12/71	4.54	102	1981	4/ 1/81	3.08	30
1972	1/10/72	5.12	137	1982	1/ 3/82	4.35	91
1973	3/15/73	5.22	144	1983	4/23/83	6.30	220
1974	1/11/74	4.20	83	1984	12/ 3/83	5.44	160
1975	3/13/75	5.35	154				

02447280 Lawson Branch near Betheden, MS

LOCATION:

Lat 33°15'40", long 88°56'50", NW 1/4 NW 1/4 sec.11, T.16 N., R.13 E., Choctaw Meridian, Winston County, Hydrologic Unit 03160108, at box culvert on State Highway 25, and 3.4 mi north of Betheden.

GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Sept. 30, 1971, water-stage and rain-gage recorder also.

DRAINAGE AREA: 1.09 mi<sup>2</sup> SLOPE: 32.0 ft/mi LENGTH: 2.0 mi

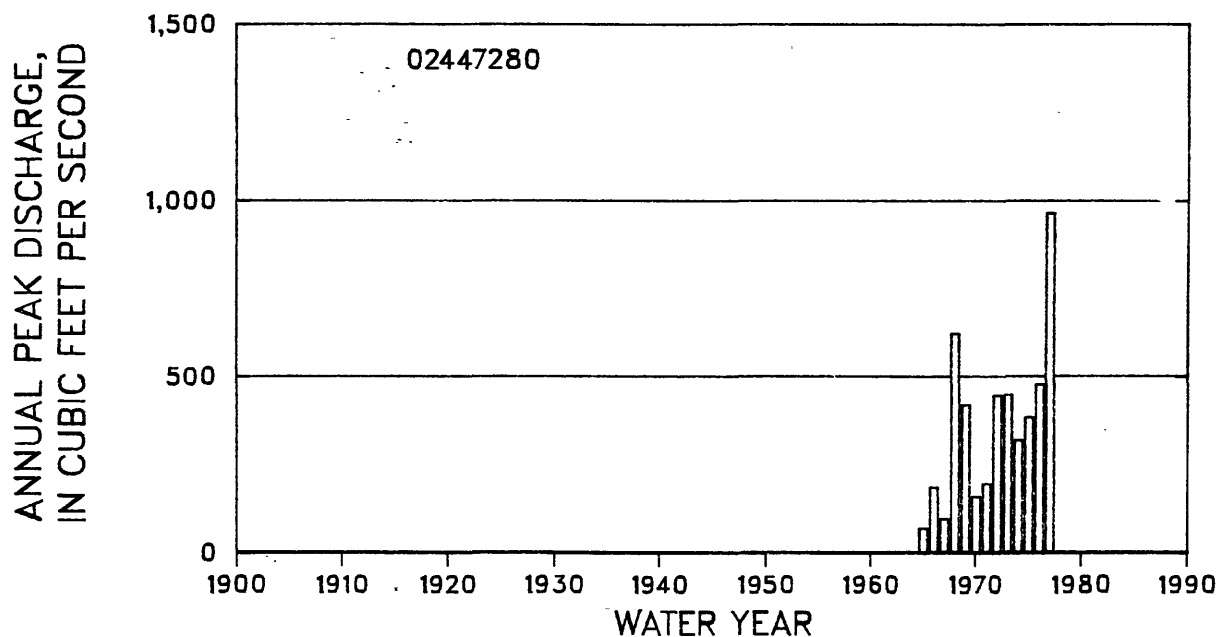
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.467  
STANDARD DEVIATION 0.328  
SKEW -0.219

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	301	556	756	1,040	1,260	1,500	1,750	2,110
REGIONAL	274	437	560	703	823	916	1,050	1,170
WEIGHTED	292	501	649	818	945	1,050	1,190	1,330

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	23	23	26	34	42	52	62	78
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	19	18	18	21	23	26	29	33

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 13

Graph of annual peak discharges is shown below.



## 02447280 Lawson Branch near Betheden, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1965	9/23/65	3.25	70	1972	1/10/72	6.83	448
1966	4/26/66	4.51	186	1973	3/15/73	6.85	450
1967	2/20/67	3.57	96	1974	1/11/74	5.77	320
1968	12/ 1/67	8.13	622	1975	3/13/75	6.31	385
1969	4/13/69	6.60	420	1976	10/17/75	7.06	478
1970	4/16/70	5.01	160	1977	1/ 9/77	10.43	964
1971	2/26/71	4.85	195				

# 02447340 Cypress Creek tributary at Bradley, MS

## LOCATION:

Lat 32°22'20", long 88°59'00", NE1 /4 NE 1/4 sec.1, T.17 N., R.12 E., Choctaw Meridian, Oktibbeha County, Hydrologic Unit 03160108, at box culvert on State Highway 12, and 0.3 mi southwest of Bradley.

## GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Sept. 30, 1971, water-stage and rain-gage recorder also.

DRAINAGE AREA: 0.60 mi<sup>2</sup> SLOPE: 27.9 ft/mi LENGTH: 1.9 mi

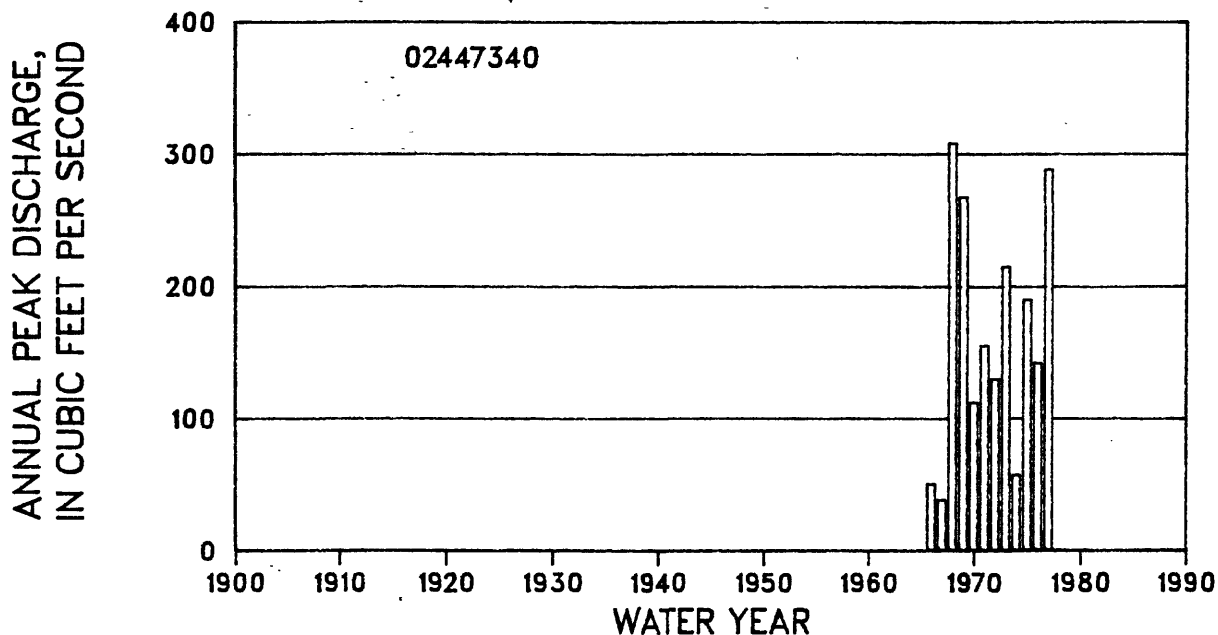
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.127  
STANDARD DEVIATION 0.306  
SKEW -0.280

	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
T	2	5	10	25	50	100	200	500
STATION	138	244	323	428	511	595	682	801
REGIONAL	172	267	339	425	496	552	630	705
WEIGHTED	148	253	330	426	501	564	644	727

	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
T	2	5	10	25	50	100	200	500
STATION	22	22	25	32	40	48	58	73
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	18	17	18	20	23	26	29	33

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 12

Graph of annual peak discharges is shown below.





## 02447340 Cypress Creek tributary at Bradley, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1966	4/21/66	3.77	50	1972	1/10/72	4.41	130
1967	8/10/67	4.02	38	1973	3/15/73	5.45	215
1968	12/17/67	6.38	308	1974	1/11/74	4.40	57
1969	4/10/69	5.97	267	1975	3/13/75	5.44	190
1970	4/16/70	4.42	112	1976	10/17/75	4.72	142
1971	5/12/71	4.85	155	1977	3/ 4/77	6.18	288

02447500 Noxubee River near Brooksville, MS

LOCATION:

Lat 33°13'30", long 88°42'10", in center of sec.19, T.16 N., R.16 E., Choctaw Meridian, Noxubee County, Hydrologic Unit 03160108, on county road, and 7.0 mi west of Brooksville.

GAGE:

Crest-stage gage. Datum of gage is 180.03 ft above sea level. Prior to July 23, 1949, nonrecording gage. July 23, 1949 to Sept. 30, 1964, water-stage recorder.

DRAINAGE AREA: 446 mi<sup>2</sup>

SLOPE: 3.4 ft/mi

LENGTH: 65.5 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:

MEAN 3.968

STANDARD DEVIATION 0.361

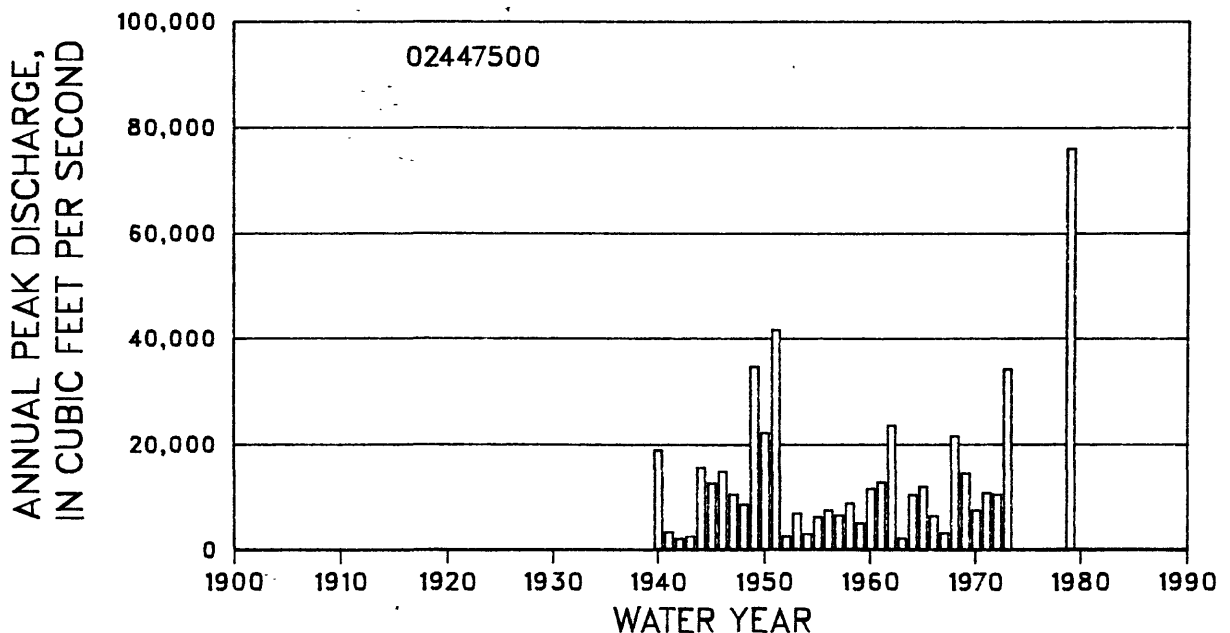
SKEW -0.047

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	9,350	18,700	26,800	39,300	50,100	62,400	76,200	96,900
REGIONAL	9,540	17,200	23,200	30,600	36,200	41,700	48,400	56,100
WEIGHTED	9,380	18,300	25,500	35,000	42,100	49,300	57,300	67,400

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	15	16	19	25	31	37	44	54
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	14	14	15	18	21	23	26	30

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 35

Graph of annual peak discharges is shown below.



## 02447500 Noxubee River near Brooksville, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1940	7/ 9/40	21.40	18,900	1958	5/ 2/58	19.75	8,850
1941	3/11/41	17.90	3,360	1959	4/22/59	18.70	5,030
1942	2/17/42	15.50	2,100	1960	3/ 4/60	20.30	11,600
1943	3/21/43	--	2,500 e	1961	2/22/61	20.53	12,800
1944	3/29/44	21.00	15,600	1962	12/18/61	22.07	23,600
1945	2/23/45	20.50	12,600	1963	7/17/63	15.73	2,180
1946	2/11/46	20.88	14,900	1964	3/17/64	20.05	10,400
1947	6/ 4/47	20.44	10,500	1965	2/12/65	20.50	12,000
1948	2/15/48	19.74	8,600	1966	2/16/66	19.39	6,400
1949	1/ 6/49	23.26	34,700	1967	7/10/67	17.91	3,200
1950	1/ 7/50	21.90	22,200	1968	12/19/67	21.84	21,600
1951	3/29/51	23.88	41,600	1969	4/15/69	20.89	14,500
1952	3/11/52	17.06	2,530	1970	4/18/70	19.69	7,500
1953	5/ 2/53	19.29	6,920	1971	5/14/71	20.33	10,800
1954	5/ 7/54	--	3,000 e	1972	1/12/72	20.23	10,500
1955	4/14/55	19.08	6,220	1973	3/17/73	23.22	34,200
1956	3/16/56	19.46	7,500	1979	4/12/79	28.30	76,000 f
1957	2/ 3/57	19.20	6,560				

HISTORICAL DATA: The 1979 peak is the highest known since 1892.

e Discharge is a maximum daily average.

f Discharge is an historical peak.

# 02447800 Hashuqua Creek near Macon, MS

## LOCATION:

Lat 33°06'07", long 88°40'53", on north side of sec.5, T.14 N., R.16 E., Choctaw Meridian, Noxubee County, Hydrologic Unit 03160108, at bridge on State Highway 14, and 7.6 mi west of Macon.

## GAGE:

Crest-stage gage. Datum of gage is 101.22 ft above sea level.

DRAINAGE AREA: 96.2 mi<sup>2</sup> SLOPE: 11.9 ft/mi LENGTH: 28.0 mi

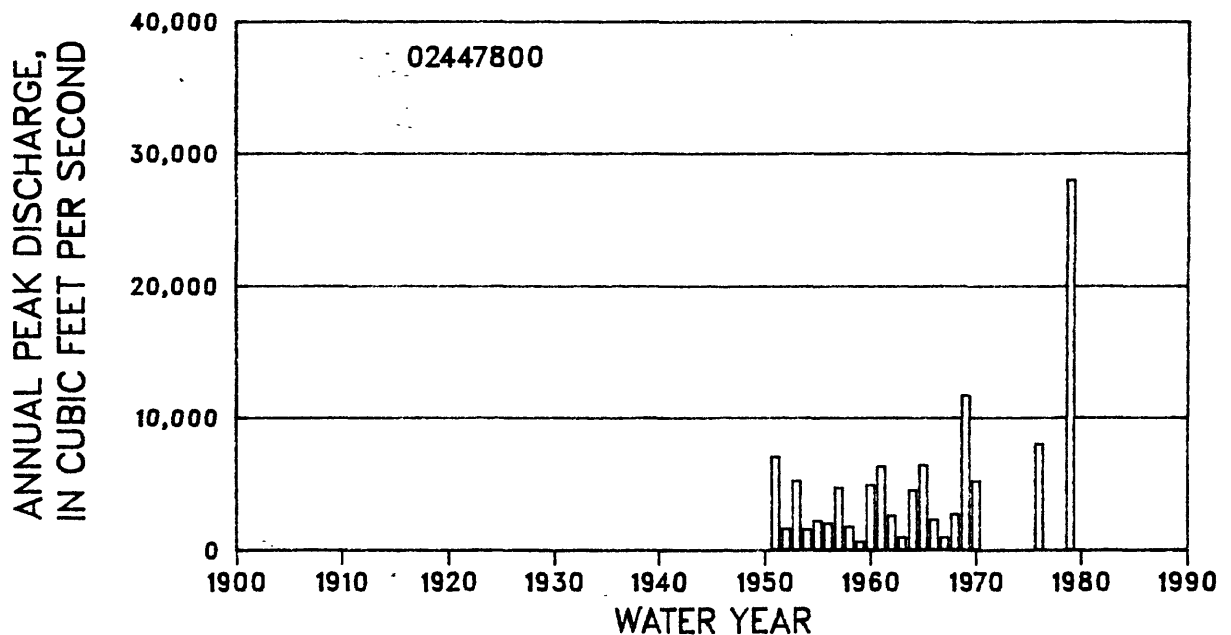
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.511  
STANDARD DEVIATION 0.358  
SKEW 0.218

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	3,150	6,420	9,480	14,600	19,400	25,100	32,000	43,200
REGIONAL	3,880	6,970	9,410	12,300	14,700	16,800	19,500	22,400
WEIGHTED	3,320	6,640	9,440	13,100	15,900	18,500	21,700	25,300

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	19	22	27	37	47	58	70	90
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	17	17	19	22	24	27	30	34

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 22

Graph of annual peak discharges is shown below.



## 02447800 Hashuqua Creek near Macon, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1951	3/29/51	97.00	7,000	1962	12/18/61	94.64	2,600
1952	3/10/52	93.67	1,600	1963	3/11/63	92.33	960
1953	4/29/53	96.18	5,200	1964	3/14/64	95.80	4,500
1954	5/ 1/54	93.64	1,550	1965	10/ 5/64	96.64	6,390
1955	4/12/55	94.39	2,200	1966	4/30/66	94.45	2,300
1956	3/16/56	94.23	2,000	1967	unknown	--	950 h
1957	4/ 4/57	95.98	4,700	1968	12/18/67	94.75	2,700
1958	2/ 6/58	93.91	1,750	1969	4/10/69	97.69	11,700
1959	unknown	89.48	610	1970	3/20/70	96.19	5,200
1960	3/ 2/60	96.05	4,900	1976	10/17/75	97.32	8,000 f
1961	2/21/61	96.63	6,300	1979	4/12/79	100.04	28,000 f

HISTORICAL DATA: The 1979 peak is the highest known since 1951.

f Discharge is an historical peak.

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

# 02448000 Noxubee River at Macon, MS

## LOCATION:

Lat 33°06'08", long 88°33'40", NE 1/4 sec.4, T.14 N., R.17 E., Choctaw Meridian, Noxubee County, Hydrologic Unit 03160108, on left bank at downstream side of bridge on U.S. Highway 45 at Macon, 0.2 mi upstream from Cedar Creek, 1.0 mi downstream from Illinois Central and Gulf Railroad bridge, 1.5 mi downstream from Horse Hunters Creek, and 6.2 mi upstream from Running Water Creek.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 142.38 ft above sea level. From 1928 to 1932, nonrecording gage at site 40 ft downstream at datum of about 145 ft above sea level. From Sept. 21, 1938 to Aug. 10, 1939, nonrecording gage at present site and datum.

DRAINAGE AREA: 768 mi<sup>2</sup>      SLOPE: 2.5 ft/mi      LENGTH: 90.6 mi

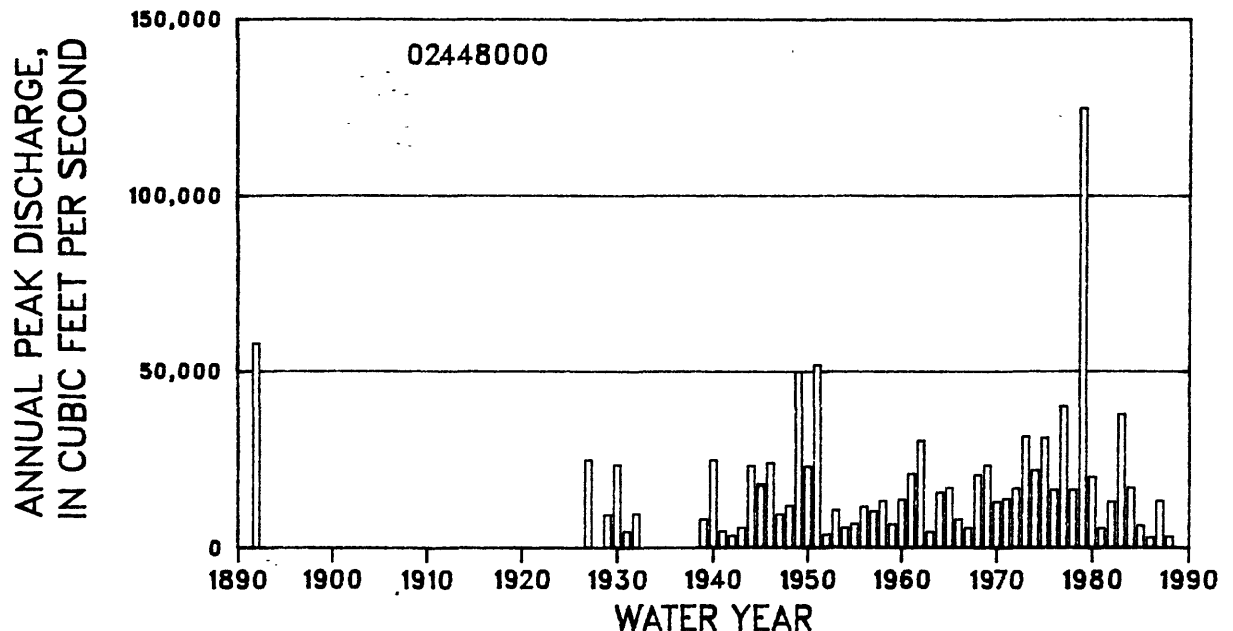
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN      4.123  
    STANDARD DEVIATION      0.334  
    SKEW      0.035

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	13,200	25,300	35,600	51,400	65,200	80,800	98,400	125,000
REGIONAL	13,100	23,700	32,100	42,400	50,300	58,100	67,300	78,300
WEIGHTED	13,200	25,000	34,700	48,200	58,700	69,500	81,400	97,100

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	11	12	14	19	23	28	33	41
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	11	11	13	15	18	21	23	27

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 56

Graph of annual peak discharges is shown below.



## 02448000 Noxubee River at Macon, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1892	7/ /92	34.00	58,000 f	1961	2/22/61	30.00	21,100
1927	12/ /26	30.30	25,000 cf	1962	12/19/61	30.97	30,500
1929	3/15/29	26.49 a	9,500	1963	7/16/63	20.40	4,580
1930	5/20/30	29.58 a	23,600	1964	3/16/64	29.15	15,800
1931	3/28/31	22.30 a	4,670	1965	2/12/65	29.41	17,200
1932	2/22/32	26.60 a	9,800	1966	4/28/66	26.37	8,200
1939	2/ 8/39	27.47	8,190	1967	7/10/67	23.48	5,710
1940	7/10/40	30.28	25,000	1968	12/20/67	29.64	20,800
1941	4/ 4/41	21.95	4,700	1969	4/11/69	30.06	23,500
1942	2/18/42	20.70	3,430	1970	3/21/70	28.06	13,200
1943	3/22/43	26.07	5,750	1971	5/14/71	28.25	14,000
1944	3/30/44	29.94	23,400	1972	1/11/72	28.89	17,000
1945	2/21/45	29.22	18,300	1973	3/18/73	31.07	31,700
1946	2/11/46	30.01	24,200	1974	4/13/74	29.85	22,100
1947	1/21/47	27.68	9,600	1975	3/15/75	31.81	31,300
1948	3/ 7/48	28.23	12,100	1976	3/16/76	29.29	16,600
1949	1/ 6/49	32.73	50,000	1977	4/ 5/77	32.09	40,300
1950	2/15/50	30.26	23,200	1978	5/11/78	29.65	16,600
1951	3/30/51	32.97	52,000	1979	4/13/79	38.97	125,000
1952	3/11/52	21.90	3,790	1980	4/15/80	30.34	20,200
1953	5/ 1/53	27.91	10,900	1981	4/ 1/81	24.12	5,590
1954	5/ 8/54	24.53	5,750	1982	4/23/82	28.85	13,200
1955	4/16/55	25.94	6,900	1983	5/20/83	32.65	38,000
1956	4/ 7/56	28.15	11,800	1984	12/ 6/83	29.70	17,200
1957	4/ 5/57	26.98	10,500	1985	11/29/84	25.98	6,390
1958	5/ 3/58	27.67	13,400	1986	5/29/86	16.81	2,990
1959	2/15/59	23.44	6,710	1987	2/28/87	28.84	13,500
1960	3/ 4/60	28.66	13,800	1988	4/ 2/88	16.85	3,250

HISTORICAL DATA: The 1927 peak is the highest known since 1892.

a Gage height at different site and (or) datum.

c Estimated.

f Discharge is an historical peak.

02448620 Flat Scooba Creek tributary near Scooba, MS

LOCATION:

Lat 32°50'27", long 88°28'08", SE 1/4 sec.32, T.12 N., R.18 E., Choctaw Meridian, Kemper County, Hydrologic Unit 03160108, at culvert on U.S. Highway 45, and 0.8 mi north of Scooba.

GAGE:

Crest-stage gage. Prior to September 1971, rain-gage and water-stage recorder also. Datum of gage is assumed.

DRAINAGE AREA: 0.44 mi<sup>2</sup> SLOPE: 44.0 ft/mi LENGTH: 1.0 mi

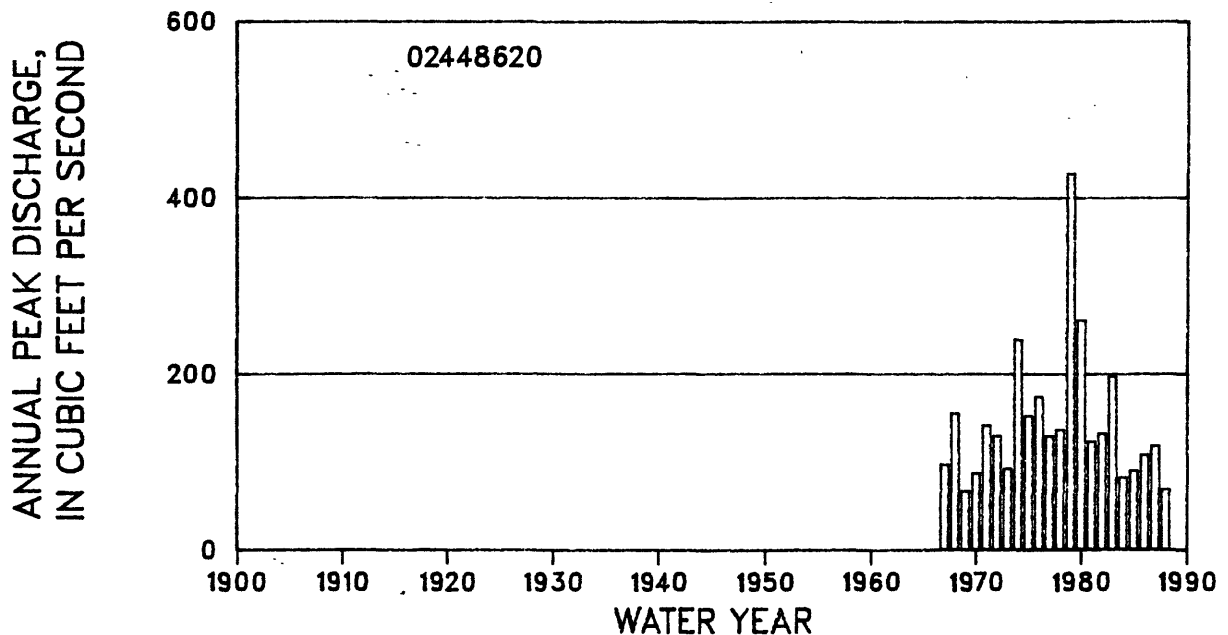
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.117  
STANDARD DEVIATION 0.194  
SKEW 0.387

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	127	189	236	303	359	420	486	585
REGIONAL	171	266	337	419	489	540	616	685
WEIGHTED	130	201	260	345	416	481	559	646

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	10	12	15	22	27	34	41	51
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	10	11	13	17	20	22	25	30

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 22

Graph of annual peak discharges is shown below.





## 02448620 Flat Scooba Creek tributary near Scooba, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1967	8/ 9/67	4.72	97	1978	4/11/78	5.31	136
1968	4/28/68	5.58	155	1979	4/12/79	8.87	427
1969	4/13/69	4.18	67	1980	4/12/80	6.99	261
1970	3/19/70	4.55	87	1981	3/29/81	5.13	123
1971	5/10/71	5.38	141	1982	7/31/82	5.25	132
1972	1/ 3/72	5.21	129	1983	5/19/83	6.18	197
1973	2/13/73	4.63	92	1984	5/ 4/84	4.77	82
1974	4/13/74	6.71	239	1985	8/18/85	4.83	90
1975	12/24/74	5.55	152	1986	3/12/86	5.28	108
1976	3/27/76	5.85	174	1987	1/20/87	5.20	118
1977	3/ 4/77	5.22	129	1988	3/ 4/88	4.27	69

02467100 Hamilton Branch near Dekalb, MS

LOCATION:

Lat 32°47'30", long 88°35'40", NE 1/4 sec.19, T.11 N., R.17 E., Choctaw Meridian, Kemper County, Hydrologic Unit 03160202, at box culvert on State Highway 16, and 4.2 mi northeast of Dekalb.

GAGE:

Crest-stage gage. Prior to Sept. 30, 1971, rain-gage and water-stage recorder also. Datum of gage is assumed.

DRAINAGE AREA: 0.97 mi<sup>2</sup> SLOPE: 45.8 ft/mi LENGTH: 1.7 mi

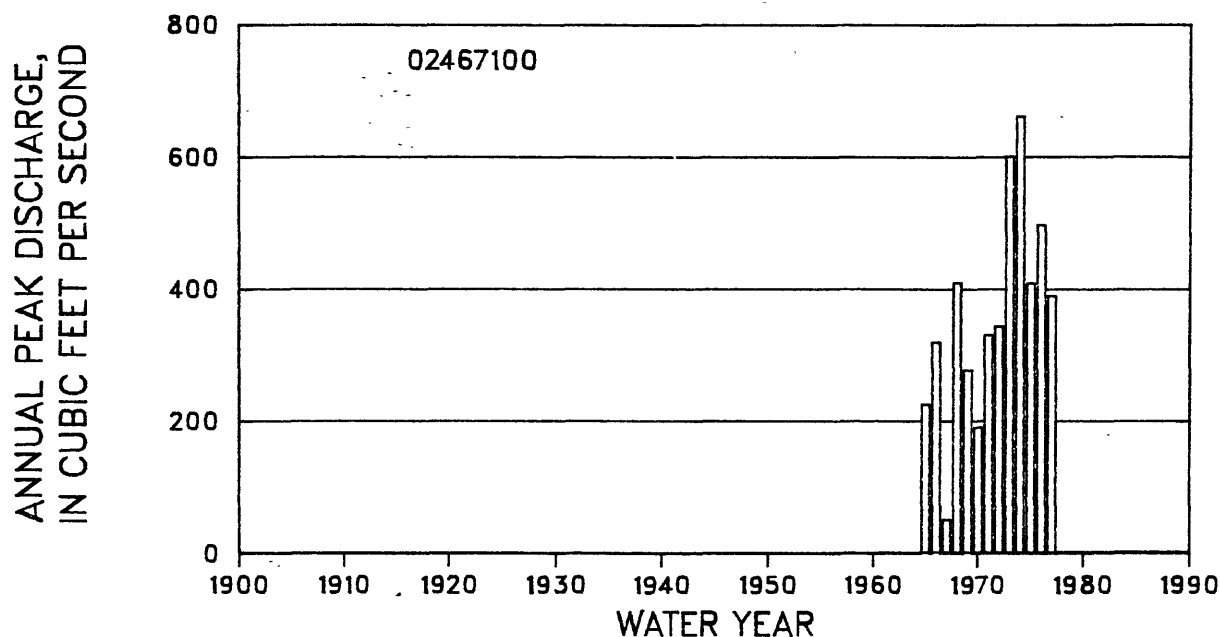
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.543  
STANDARD DEVIATION 0.171  
SKEW 0.018

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	349	487	580	699	789	879	972	1,100
REGIONAL	268	430	553	696	816	906	1,040	1,160
WEIGHTED	339	475	573	698	800	892	1,010	1,130

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	12	13	15	20	25	30	35	43
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	11	12	13	16	19	21	24	28

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 13

Graph of annual peak discharges is shown below.



## 02467100 Hamilton Branch near Dekalb, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1965	2/12/65	5.63	226	1972	1/ 3/72	6.15	344
1966	4/26/66	5.94	320	1973	3/16/73	7.29	601
1967	5/22/67	4.37	51	1974	4/13/74	7.58	662
1968	12/11/67	5.95	410	1975	12/24/74	6.43	409
1969	4/10/69	5.87	278	1976	3/27/76	6.82	497
1970	4/16/70	5.64	191	1977	3/ 4/77	6.24	390
1971	5/12/71	6.09	331				

02469672 Little Okatubba Creek near Quitman, MS

LOCATION:

Lat 32°05'06", long 88°27'16", NW 1/4 SE 1/4 sec.21, T.3 N., R.18 E., Choctaw Meridian, Clarke County, Hydrologic Unit 03170002, at box culvert on State Highway 18, and 17.6 mi east of Quitman.

GAGE:

Crest-stage gage. Prior to Sept. 30, 1971, rain-gage and water-stage recorder also. Datum of gage is assumed.

DRAINAGE AREA: 4.35 mi<sup>2</sup> SLOPE: 41.2 ft/mi LENGTH: 3.5 mi

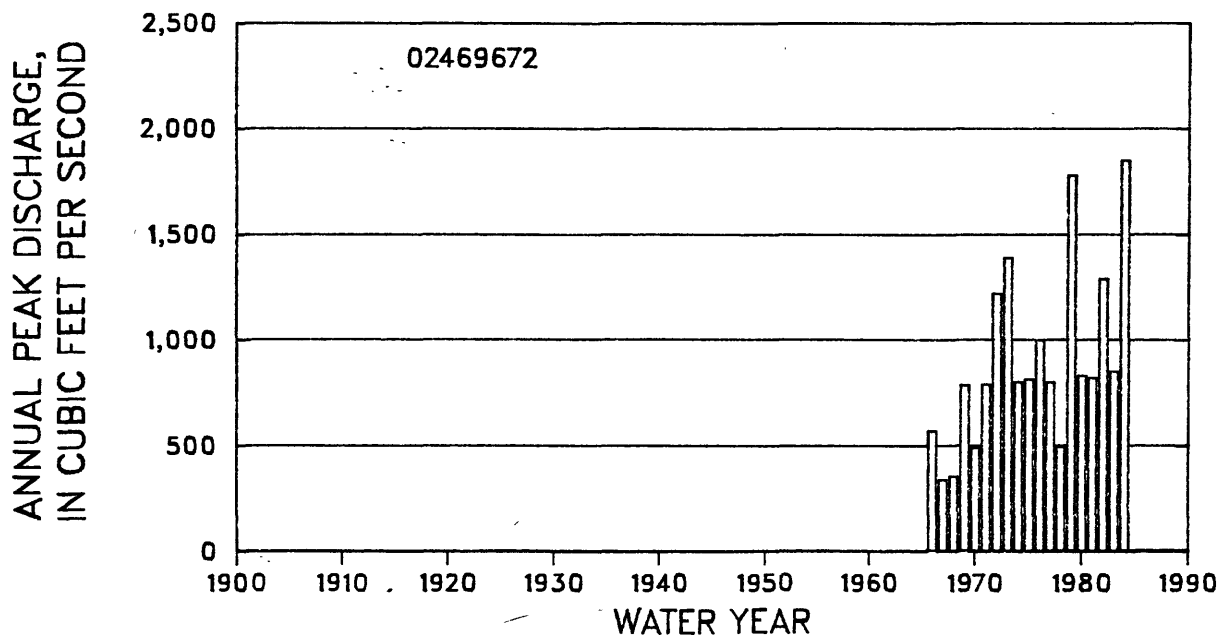
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.913  
STANDARD DEVIATION 0.207  
SKEW -0.003

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	819	1,220	1,510	1,880	2,180	2,480	2,790	3,220
REGIONAL	694	1,170	1,540	1,960	2,310	2,580	2,980	3,350
WEIGHTED	804	1,210	1,520	1,910	2,230	2,530	2,890	3,300

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	12	13	15	20	24	29	35	43
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	11	12	13	16	18	21	24	28

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 19

Graph of annual peak discharges is shown below.



## 02469672 Little Okatubba Creek near Quitman, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1966	2/10/66	5.94	570	1976	3/30/76	6.33	1,000
1967	5/ 4/67	3.90	338	1977	3/ 4/77	6.70	800
1968	4/ 4/68	3.97 d	355	1978	10/25/77	4.53	495
1969	5/ 8/69	5.57	786	1979	9/12/79	8.35	1,780
1970	12/ 6/69	4.32	490	1980	4/12/80	7.00	830
1971	3/25/71	5.58	789	1981	3/ 4/81	6.56	820
1972	1/ 9/72	6.90	1,220	1982	12/14/81	7.09	1,290
1973	6/ 7/73	7.38	1,390	1983	3/ 5/83	7.08	850
1974	8/13/74	6.32	800	1984	2/27/84	9.01	1,850
1975	11/18/74	5.66	813				

d Gage height not the maximum for the water year.

# 02471100 Leaf River near Raleigh, MS

## LOCATION:

Lat 32°00'47", long 89°25'58", SE 1/4 SE 1/4 sec.13, T.2 N., R.8 E., Choctaw Meridian, Smith County, Hydrologic Unit 03170004, on right bank at downstream side of bridge on State Highway 18, and 6.0 mi east of Raleigh.

## GAGE:

Crest-stage gage. Datum of gage is 274.94 ft above sea level. From July 1939 to January 1944, nonrecording gage at datum 7.55 ft higher than present datum.

DRAINAGE AREA: 143 mi<sup>2</sup>      SLOPE: 3.3 ft/mi      LENGTH: 39.8 mi

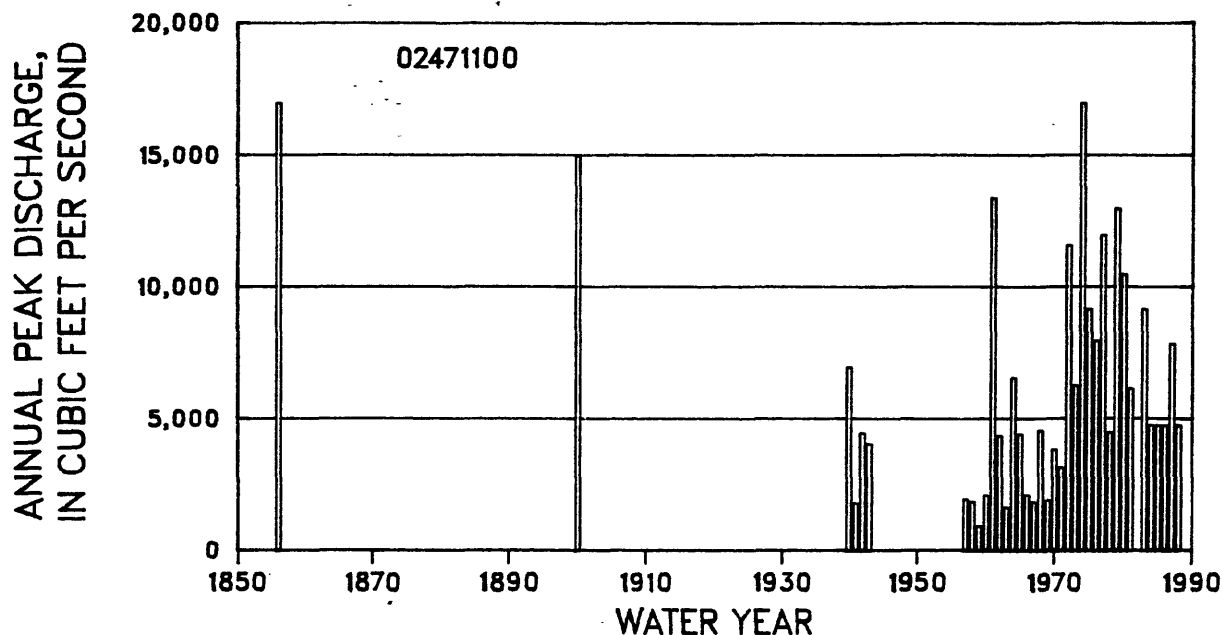
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN    3.667  
    STANDARD DEVIATION    0.319  
    SKEW    -0.123

	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
T	2	5	10	25	50	100	200	500
STATION	4,720	8,660	11,800	16,300	20,000	24,000	28,300	34,500
REGIONAL	4,540	7,860	10,400	13,600	16,000	18,400	21,200	24,400
WEIGHTED	4,700	8,490	11,400	15,200	18,200	21,100	24,300	28,300

	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
T	2	5	10	25	50	100	200	500
STATION	13	14	16	20	25	30	36	44
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	12	12	13	16	19	21	24	28

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 37

Graph of annual peak discharges is shown below.



## 02471100 Leaf River near Raleigh, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1856	4/ /56	--	17,000 cf	1970	5/ 3/70	23.04	3,880
1900	4/ /00	--	15,000 cf	1971	5/12/71	22.47	3,200
1940	5/ 1/40	26.15 a	7,000	1972	12/ 6/71	26.43	11,600
1941	12/18/40	20.55 a	1,850	1973	3/31/73	24.42	6,290
1942	3/21/42	24.65 a	4,500	1974	4/13/74	28.17	17,000
1943	3/22/43	24.35 a	4,090	1975	1/ 8/75	25.58	9,200
1957	4/ 4/57	21.17	2,000	1976	3/31/76	24.65	8,000
1958	3/ 7/58	20.75	1,900	1977	3/ 5/77	23.99	12,000
1959	1/ 1/59	16.80	972	1978	10/26/77	20.68	4,530
1960	5/ 7/60	21.61	2,150	1979	3/ 4/79	26.68	13,000
1961	2/21/61	26.99	13,400	1980	4/13/80	26.00	10,500
1962	12/18/61	23.67	4,400	1981	7/ 2/81	22.97	6,180
1963	1/20/63	19.86	1,680	1983	4/ 7/83	25.34	9,200
1964	4/ 6/64	24.65	6,600	1984	2/27/84	--	4,800 h
1965	2/12/65	23.69	4,450	1985	unknown	--	4,800 h
1966	2/11/66	21.56	2,150	1986	5/30/86	--	4,800 h
1967	5/ 4/67	20.66	1,880	1987	3/ 1/87	23.78	7,890
1968	3/22/68	23.77	4,600	1988	4/ 3/88	--	4,800 h
1969	4/13/69	21.01	1,950				

HISTORICAL DATA: The 1900, 1961, and 1974 peaks are the highest known since 1856.

a Gage height at different site and (or) datum.

c Estimated.

f Discharge is an historical peak.

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

02471250 Leaf River near Taylorsville, MS

LOCATION:

Lat 31°49'40", long 89°24'30", on line between secs.16 and 21, T.10 N., R.14 W., St. Stephens Meridian, Smith County, Hydrologic Unit 03170004, on right bank at downstream side of bridge on State Highway 28, and 1.0 mi east of Taylorsville.

GAGE:

Crest-stage gage. Datum of gage is 200.00 ft above sea level.

DRAINAGE AREA: 459 mi<sup>2</sup> SLOPE: 3.3 ft/mi LENGTH: 57.4 mi

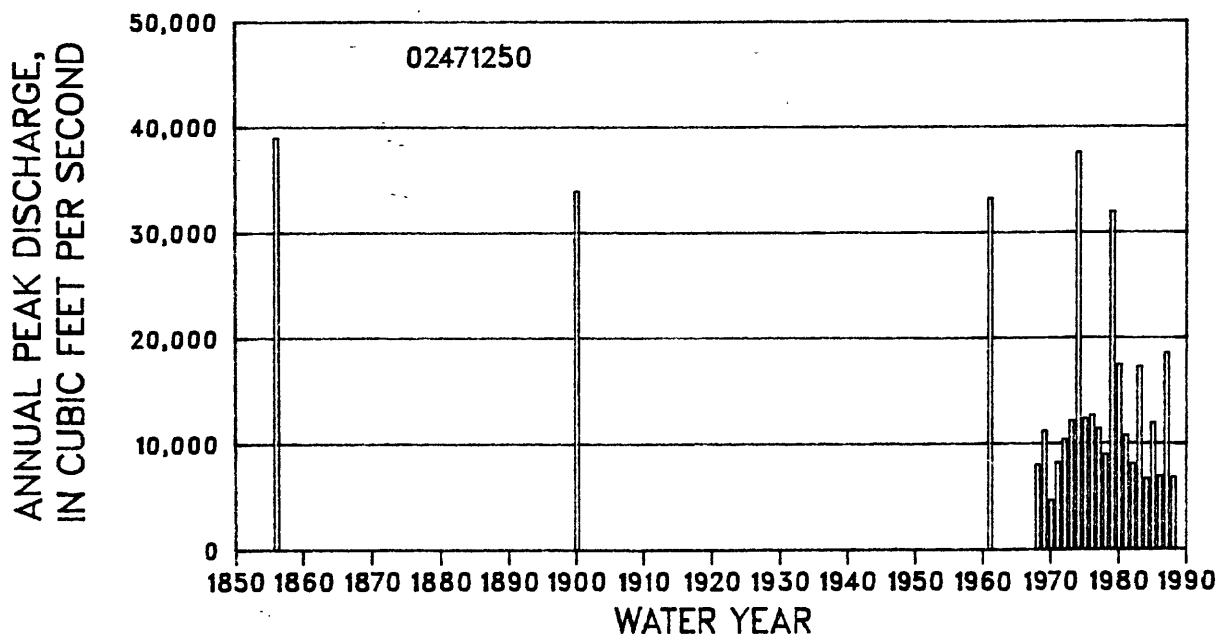
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.989  
STANDARD DEVIATION 0.167  
SKEW 0.706

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	9,320	13,200	16,300	20,800	24,700	29,000	33,800	41,100
REGIONAL	10,200	18,400	24,800	32,600	38,500	44,300	51,300	59,400
WEIGHTED	9,380	13,800	18,000	24,700	30,600	36,700	43,600	52,400

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	11	14	21	27	35	43	54
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	8	10	12	16	20	23	26	30

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 24

Graph of annual peak discharges is shown below.





## 02471250 Leaf River near Taylorsville, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1856	4/ /56	--	39,000 cf	1977	3/ 5/77	48.16	11,400
1900	4/ /00	--	34,000 cf	1978	12/ 2/77	44.22	8,970
1961	2/ /61	56.30	33,300 f	1979	3/ 5/79	56.41	32,000
1968	12/16/67	43.30	8,010	1980	4/13/80	53.53	17,500
1969	4/14/69	47.75	11,200	1981	3/29/81	47.12	10,800
1970	5/ 2/70	37.88	4,680	1982	2/16/82	42.75	8,080
1971	5/12/71	43.64	8,250	1983	4/ 8/83	53.47	17,300
1972	12/ 6/71	46.75	10,400	1984	3/ 5/84	40.41	6,700
1973	4/ 1/73	49.03	12,200	1985	2/28/85	48.92	12,000
1974	4/14/74	57.44	37,600	1986	5/31/86	40.81	6,930
1975	1/ 8/75	49.52	12,400	1987	3/ 1/87	52.39	18,600
1976	3/31/76	49.88	12,700	1988	4/ 3/88	40.57	6,800

HISTORICAL DATA: The 1900, 1961, and 1974 peaks are the highest known since 1856.

c Estimated.

f Discharge is an historical peak.

# 02471500 Oakohay Creek at Mize, MS

## LOCATION:

Lat 31°52'00", long 89°32'49", NW 1/4 sec.6, T.10 N., R.15 W., St. Stephens Meridian, Smith County, Hydrologic Unit 03170004, and at bridge on State Highway 28 at Mize.

## GAGE:

Crest-stage gage. Datum of gage is 274.18 ft above sea level. From June 1944 to Oct. 19, 1949, water-stage recorder at site.

DRAINAGE AREA: 185 mi<sup>2</sup>      SLOPE: 4.3 ft/mi      LENGTH: 36.1 mi

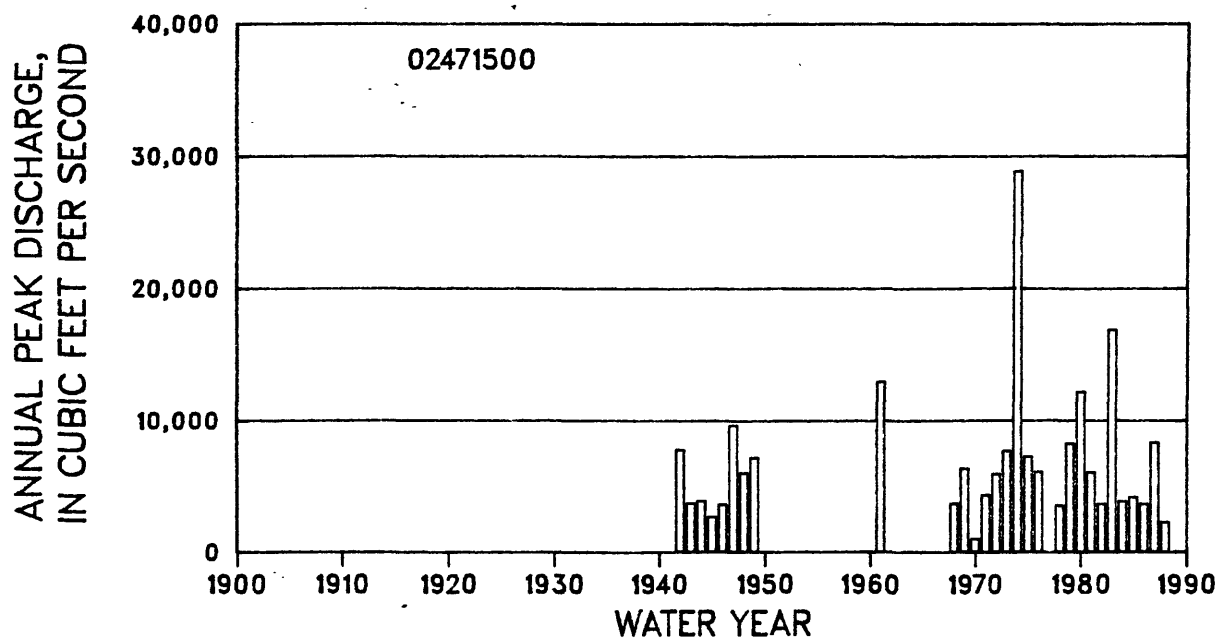
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN    3.728  
    STANDARD DEVIATION    0.265  
    SKEW      0.055

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	5,320	8,920	11,700	15,800	19,100	22,700	26,600	32,300
REGIONAL	5,830	10,300	13,700	17,900	21,200	24,200	28,000	32,200
WEIGHTED	5,380	9,180	12,200	16,600	20,000	23,500	27,400	32,300

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	12	14	16	21	26	32	38	46
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	12	12	14	17	19	22	25	29

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 29

Graph of annual peak discharges is shown below.



## 02471500 Oakohay Creek at Mize, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1942	3/21/42	13.00	7,830	1974	4/13/74	17.26	28,900
1943	3/21/43	11.70	3,750	1975	1/ 8/75	13.36	7,290
1944	2/29/44	12.00	3,930	1976	3/31/76	12.94	6,140
1945	2/15/45	11.05	2,690	1978	12/ 1/77	11.76	3,570
1946	2/11/46	11.85	3,650	1979	3/ 5/79	13.68	8,300
1947	1/20/47	13.49	9,710	1980	4/13/80	14.68	12,200
1948	2/14/48	12.50	6,070	1981	3/29/81	12.84	6,100
1949	3/31/49	13.69	7,210	1982	2/16/82	11.83	3,700
1961	2/21/61	15.13	13,000 f	1983	4/ 7/83	15.62	16,900
1968	3/23/68	11.84	3,720	1984	3/ 5/84	11.97	3,900
1969	4/14/69	13.03	6,380	1985	10/23/84	12.10	4,200
1970	3/ 4/70	9.49	1,010	1986	11/27/85	11.85	3,700
1971	2/21/71	12.16	4,360	1987	3/ 1/87	13.70	8,380
1972	12/ 6/71	12.88	5,990	1988	4/ 2/88	11.48	2,300
1973	3/25/73	13.51	7,730				

HISTORICAL DATA: The 1974 peak is the highest known since 1942.

f Discharge is an historical peak.

# 02472000 Leaf River near Collins, MS

## LOCATION:

Lat 31°42'25", long 89°24'25", NE 1/4 sec.33, T.9 N., R.14 W., St. Stephens Meridian, Covington County, Hydrologic Unit 03170004, on right bank at downstream side of bridge on U.S. Highway 84, 2.0 mi downstream from Oakohay Creek, 10.6 mi upstream from Big Creek, 9.5 mi northeast of Collins, and at mi 114.5.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 197.01 ft above sea level. Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

DRAINAGE AREA: 743 mi<sup>2</sup> SLOPE: 3.0 ft/mi LENGTH: 68.7 mi

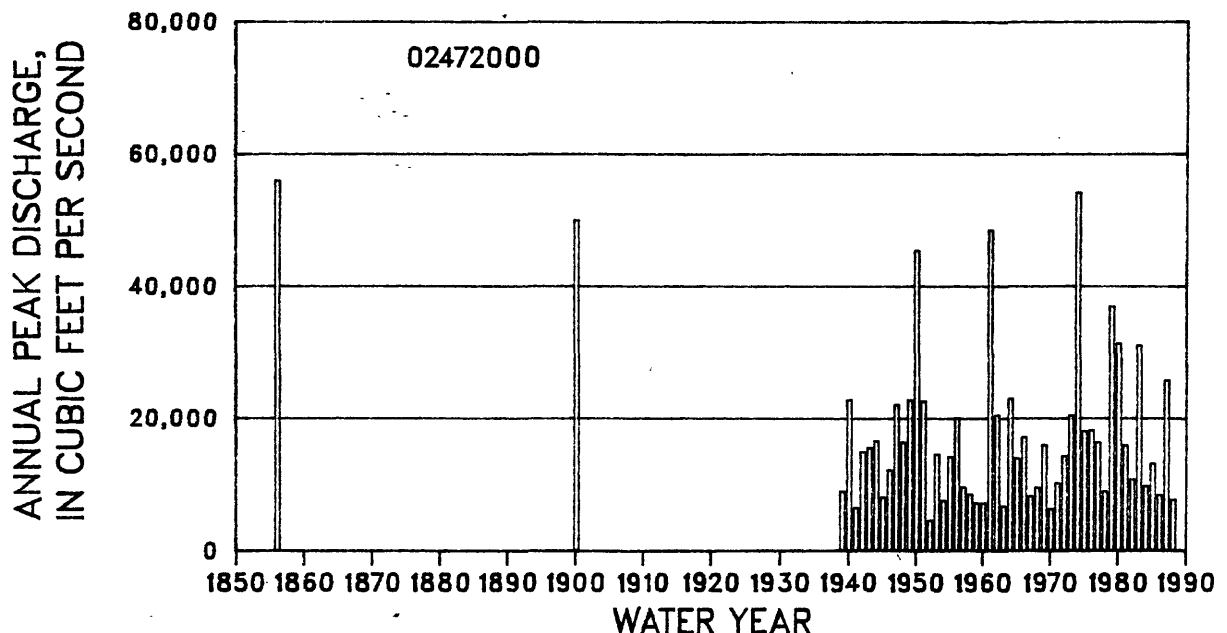
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.160  
STANDARD DEVIATION 0.247  
SKEW 0.307

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	14,000	23,100	30,400	41,400	50,900	61,500	73,500	91,700
REGIONAL	14,100	25,700	34,800	45,900	54,300	62,600	72,500	84,100
WEIGHTED	14,000	23,400	31,200	42,700	52,100	62,000	73,000	87,700

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	10	12	17	21	26	31	38
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	8	9	11	14	17	20	23	26

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 52

Graph of annual peak discharges is shown below.



## 02472000 Leaf River near Collins, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1856	4/ /56	33.00	56,000 f	1963	1/23/63	15.43	6,760
1900	4/ /00	32.00	50,000 f	1964	4/ 8/64	26.00	23,000
1939	3/ 7/39	18.69	9,000	1965	2/13/65	21.40	14,000
1940	5/ 2/40	26.36	22,800	1966	2/16/66	22.58	17,200
1941	12/19/40	15.86	6,500	1967	5/ 7/67	16.89	8,250
1942	3/22/42	22.78	15,000	1968	12/18/67	18.06	9,570
1943	3/21/43	23.09	15,600	1969	4/15/69	22.09	16,000
1944	4/27/44	23.61	16,600	1970	5/ 4/70	14.12	6,320
1945	2/23/45	17.60	8,080	1971	5/15/71	18.60	10,200
1946	2/13/46	21.07	12,200	1972	12/ 9/71	21.31	14,300
1947	1/21/47	26.08	22,100	1973	4/ 2/73	25.02	20,500
1948	3/ 6/48	23.54	16,400	1974	4/14/74	32.60	54,200
1949	4/ 1/49	26.39	22,800	1975	1/13/75	23.67	18,100
1950	1/ 8/50	31.14	45,400	1976	4/ 2/76	23.77	18,200
1951	3/31/51	26.31	22,600	1977	3/ 6/77	22.61	16,400
1952	5/25/52	13.32	4,590	1978	1/27/78	16.62	9,000
1953	5/ 5/53	22.60	14,600	1979	3/ 5/79	29.44	36,900
1954	3/30/54	17.13	7,580	1980	4/14/80	28.19	31,300
1955	4/16/55	21.49	14,200	1981	4/ 2/81	21.54	15,900
1956	3/18/56	25.00	20,100	1982	2/19/82	18.08	10,800
1957	4/ 5/57	19.07	9,620	1983	4/ 8/83	28.11	31,000
1958	3/10/58	17.16	8,540	1984	3/ 8/84	17.28	9,800
1959	4/21/59	16.02	7,200	1985	10/24/84	19.77	13,200
1960	3/15/60	15.87	7,220	1986	10/30/85	16.16	8,420
1961	2/23/61	31.65	48,500	1987	3/ 1/87	26.57	25,700
1962	12/19/61	25.08	20,500	1988	4/ 3/88	16.84	7,720

HISTORICAL DATA: The 1900, 1961, and 1974 peaks are the highest known since 1856.

f Discharge is an historical peak.

# 02472160 Big Creek tributary near Laurel, MS

## LOCATION:

Lat 31°41'16", long 89°19'34", NE 1/4 SW 1/4 sec.5, T.8 N., R.13 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170004, at box culvert on U.S. Highway 84, and 11.4 mi west of Laurel.

## GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Sept. 22, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.17 mi<sup>2</sup> SLOPE: 82.0 ft/mi LENGTH: 0.6 mi

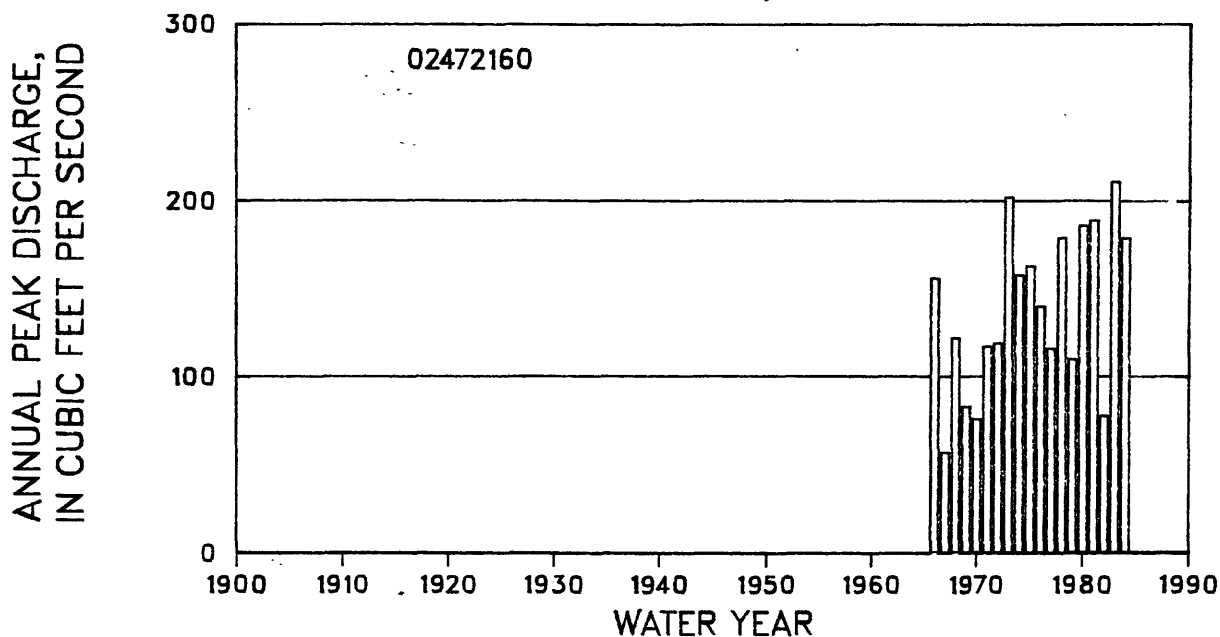
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.117  
STANDARD DEVIATION 0.163  
SKEW -0.003

	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
T	2	5	10	25	50	100	200	500
STATION	131	179	211	252	282	312	343	384
REGIONAL	97	149	189	234	273	301	343	380
WEIGHTED	128	175	207	247	279	308	343	382

	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
T	2	5	10	25	50	100	200	500
STATION	9	10	12	16	19	23	27	33
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	9	9	11	13	16	18	21	24

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 19

Graph of annual peak discharges is shown below.



## 02472160 Big Creek tributary near Laurel, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1966	3/ 3/66	5.63	156	1976	3/30/76	5.36	140
1967	5/ 4/67	3.78	57	1977	4/22/77	4.96	116
1968	12/21/67	5.07	122	1978	10/25/77	6.02	179
1969	12/21/68	4.32	83	1979	3/ 4/79	4.87	110
1970	8/ 4/70	4.17	76	1980	4/12/80	6.12	186
1971	12/15/70	4.98	117	1981	3/29/81	6.16	189
1972	12/ 6/71	5.02	119	1982	3/31/82	4.23	78
1973	4/25/73	6.34	202	1983	4/ 6/83	6.50	211
1974	12/25/73	5.66	158	1984	5/22/84	6.02	179
1975	1/25/75	5.75	163				

02472420 Bouie Creek near Sanford, MS

LOCATION:

Lat 31°28'20", long 89°31'20", NE 1/4 sec.20, T.6 N., R.15 W., St. Stephens Meridian, Covington County, Hydrologic Unit 03170004, at bridge on State Highway 589, and 5.0 mi southwest from junction with U.S. Highway 49 at Sanford.

GAGE:

Crest-stage gage. Datum of gage is 190.00 ft above sea level.

DRAINAGE AREA: 262 mi<sup>2</sup> SLOPE: 7.1 ft/mi LENGTH: 40.4 mi

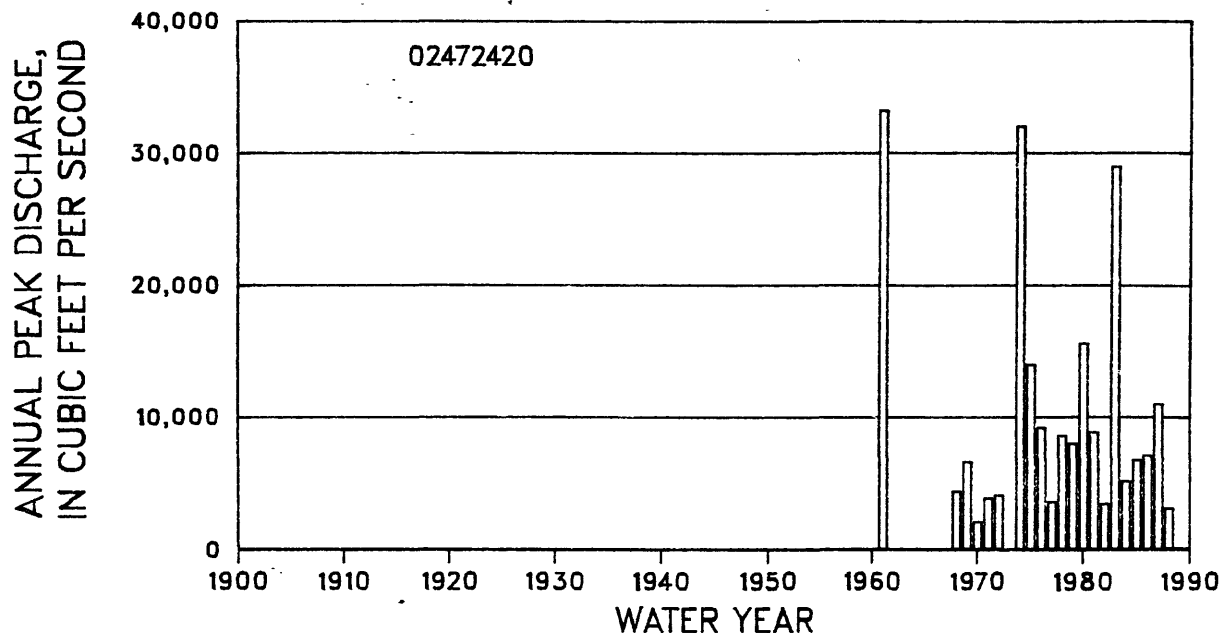
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.878  
STANDARD DEVIATION 0.329  
SKEW 0.518

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	7,080	13,900	20,600	32,200	43,800	58,300	76,500	108,000
REGIONAL	7,540	13,700	18,600	24,400	29,000	33,300	38,700	44,600
WEIGHTED	7,190	13,800	19,500	26,600	32,000	37,000	43,100	50,300

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	18	22	29	42	54	69	87	115
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	16	17	19	22	25	28	31	35

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 21

Graph of annual peak discharges is shown below.





## 02472420 Bouie Creek near Sanford, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1961	2/ /61	32.02	33,200 f	1979	3/ 4/79	23.40	8,000
1968	12/16/67	18.84	4,400	1980	4/13/80	27.22	15,600
1969	4/14/69	21.33	6,630	1981	3/ 6/81	24.01	8,850
1970	5/ 2/70	13.70	2,100	1982	3/31/82	17.17	3,480
1971	3/ 3/71	17.99	3,900	1983	4/ 7/83	30.93	29,000
1972	12/ 6/71	18.36	4,120	1984	12/28/83	19.86	5,190
1974	4/13/74	32.22	32,000 c	1985	8/17/85	--	6,800 c
1975	5/ 8/75	26.54	14,000 c	1986	10/30/85	22.73	7,130
1976	3/31/76	24.24	9,200	1987	3/ 1/87	25.26	11,000
1977	4/22/77	17.45	3,620	1988	2/19/88	16.39	3,140
1978	5/ 8/78	23.82	8,600				

HISTORICAL DATA: The 1961 peak is the highest known between 1961 and 1988.

c Estimated.

f Discharge is an historical peak.

# 02472500 Bouie Creek near Hattiesburg, MS

## LOCATION:

Lat 31°25'32", long 89°24'53", NW 1/4 SW 1/4 sec.4, T.5 N., R.14 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170004, on left bank 25 ft downstream from upstream bridge of dual bridges on U.S. Highway 49, 1.0 mi upstream from Okatoma Creek, 2.2 mi southwest of Lux, 10.2 mi northwest of Hattiesburg, and 15.0 mi upstream from mouth.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 160.04 ft above sea level. Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

DRAINAGE AREA: 304 mi<sup>2</sup> SLOPE: 6.5 ft/mi LENGTH: 51.0 mi

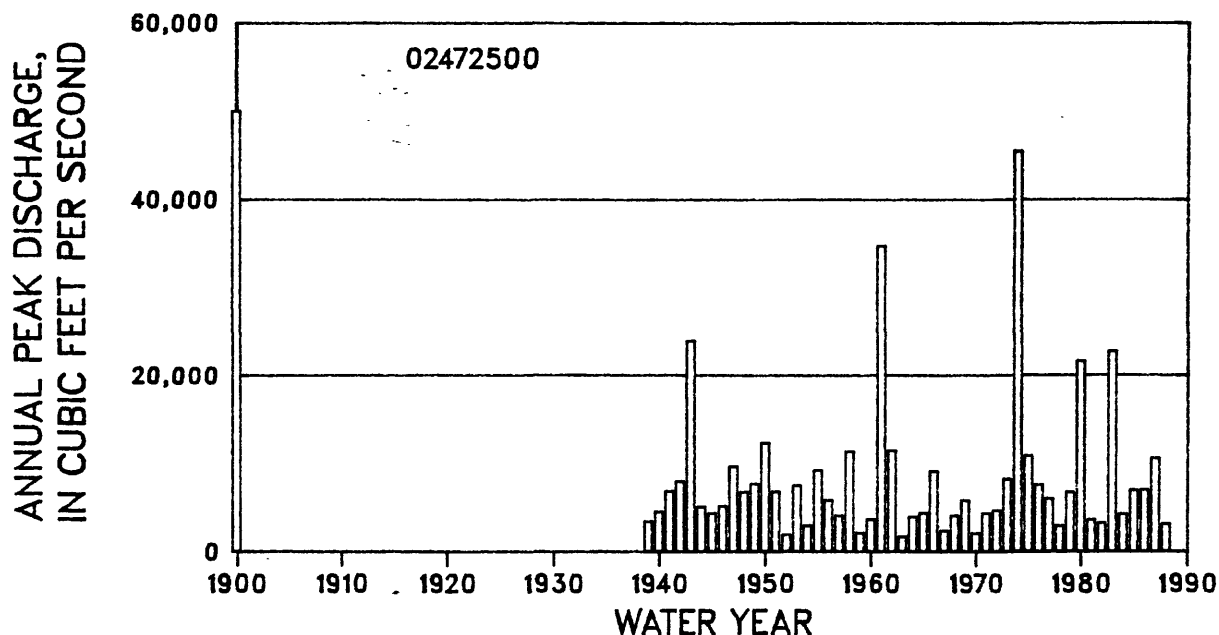
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.795  
STANDARD DEVIATION 0.313  
SKEW 0.651

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	5,780	11,100	16,300	25,500	34,700	46,500	61,500	87,700
REGIONAL	7,800	14,200	19,300	25,500	30,300	34,900	40,600	46,900
WEIGHTED	5,960	11,700	17,200	25,500	32,100	38,500	45,900	55,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	11	14	18	27	34	44	54	69
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	11	12	15	19	22	25	28	32

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 51

Graph of annual peak discharges is shown below.



## 02472500 Bouie Creek near Hattiesburg, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1900	4/ /00	33.50 c	50,000 cf	1964	4/28/64	13.96	4,000
1939	3/30/39	13.74	3,480	1965	12/12/64	14.82	4,430
1940	7/ 9/40	17.08	4,590	1966	2/13/66	19.91	9,120
1941	3/ 7/41	18.06	6,900	1967	5/ 6/67	10.25	2,400
1942	12/24/41	18.30	8,040	1968	12/16/67	14.17	4,100
1943	3/21/43	25.70	24,000	1969	4/15/69	16.17	5,850
1944	3/24/44	15.02	5,150	1970	5/ 3/70	9.31	2,120
1945	4/25/45	13.97	4,400	1971	3/ 3/71	13.71	4,350
1946	12/25/45	15.08	5,230	1972	12/ 7/71	14.35	4,730
1947	1/21/47	21.07	9,710	1973	3/26/73	19.92	8,300
1948	3/ 6/48	18.48	6,820	1974	4/14/74	28.18	45,500
1949	4/ 2/49	19.46	7,730	1975	5/ 9/75	20.93	10,900
1950	2/15/50	21.94	12,400	1976	4/ 1/76	19.28	7,590
1951	3/29/51	18.22	6,830	1977	4/22/77	17.38	6,070
1952	2/ 3/52	9.08	1,940	1978	1/26/78	10.52	2,950
1953	5/ 5/53	18.81	7,540	1979	3/ 5/79	18.23	6,780
1954	12/ 9/53	11.66	3,000	1980	4/13/80	25.21	21,700
1955	4/13/55	19.16	9,250	1981	3/30/81	13.23	3,660
1956	2/ 4/56	17.20	5,900	1982	2/17/82	12.34	3,260
1957	4/ 5/57	14.24	4,120	1983	4/ 7/83	26.06	22,800
1958	9/23/58	21.31	11,400	1984	12/28/83	15.78	4,290
1959	4/22/59	9.61	2,140	1985	8/17/85	17.01	7,000
1960	11/ 5/59	13.30	3,700	1986	10/29/85	17.09	7,060
1961	2/22/61	26.54	34,800	1987	3/ 1/87	21.20	10,600
1962	4/29/62	21.28	11,500	1988	9/ 4/88	10.77	3,170
1963	1/21/63	9.48	1,740				

HISTORICAL DATA: The 1974 peak is the highest known since 1900.

c Estimated.

f Discharge is an historical peak.

# 02472700 Okatoma Creek tributary at Mt. Olive, MS

## LOCATION:

Lat 31°46'00", long 89°38'00", NE 1/4 sec.7, T.9 N., R.16 W., St. Stephens Meridian, Covington County, Hydrologic Unit 03170004, at box culvert on State Highway 532, and 0.3 mi east of Mt. Olive.

## GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Sept. 21, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.33 mi<sup>2</sup> SLOPE: 63.0 ft/mi LENGTH: 1.0 mi

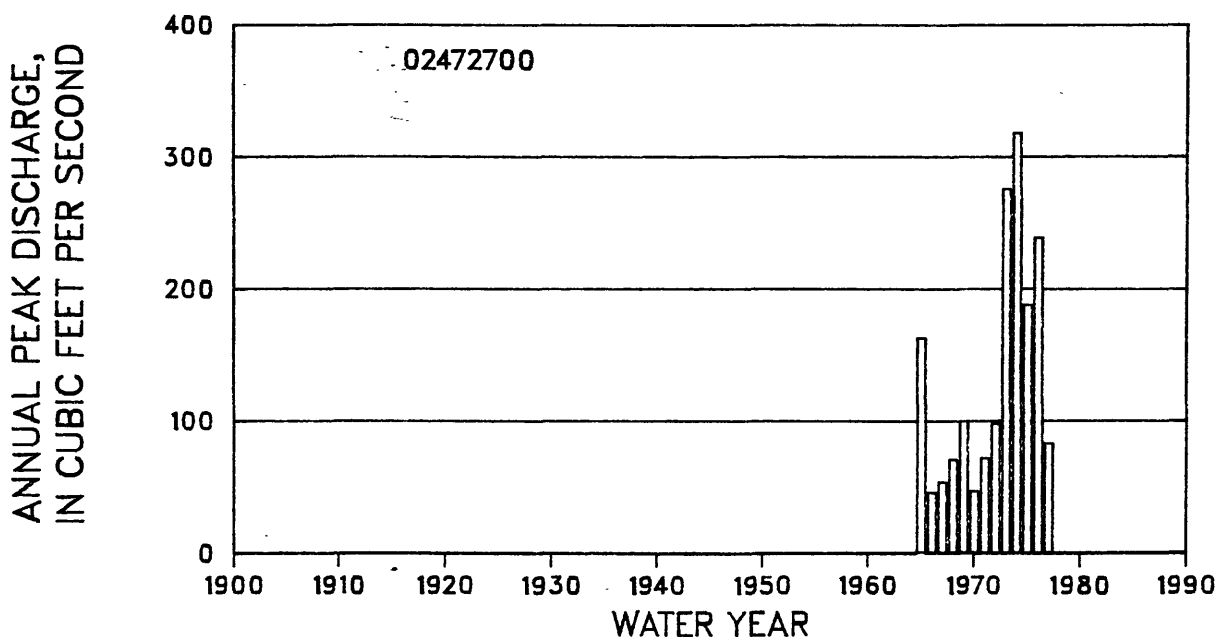
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.038  
STANDARD DEVIATION 0.293  
SKEW 0.403

	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
T	2	5	10	25	50	100	200	500
STATION	104	189	266	389	504	640	802	1,060
REGIONAL	137	214	273	340	398	440	504	560
WEIGHTED	112	200	270	353	419	470	540	608

	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
T	2	5	10	25	50	100	200	500
STATION	21	25	31	44	57	73	91	121
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	17	18	20	23	25	28	31	35

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 13

Graph of annual peak discharges is shown below.



## 02472700 Okatoma Creek tributary at Mt. Olive, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1965	2/12/65	4.69	163	1972	4/21/72	3.92	98
1966	2/10/66	3.15	46	1973	3/24/73	5.85	276
1967	11/11/66	3.29	54	1974	4/13/74	6.21	318
1968	12/14/67	3.54	71	1975	5/ 7/75	4.97	188
1969	4/13/69	3.95	100	1976	3/30/76	5.49	239
1970	8/15/70	3.17	47	1977	3/ 4/77	3.72	83
1971	4/21/71	3.55	72				

02472810 Okatoma Creek tributary no.2 near Collins, MS

LOCATION:

Lat 31°36'36", long 89°32'06", SW 1/4 sec.32, T.8 N., R.15 W., St. Stephens Meridian, Covington County, Hydrologic Unit 03170004, at culvert on U.S. Highway 49, and 1.6 mi south of Collins.

GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Oct. 1, 1973, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.21 mi<sup>2</sup> SLOPE: 82.0 ft/mi LENGTH: 0.7 mi

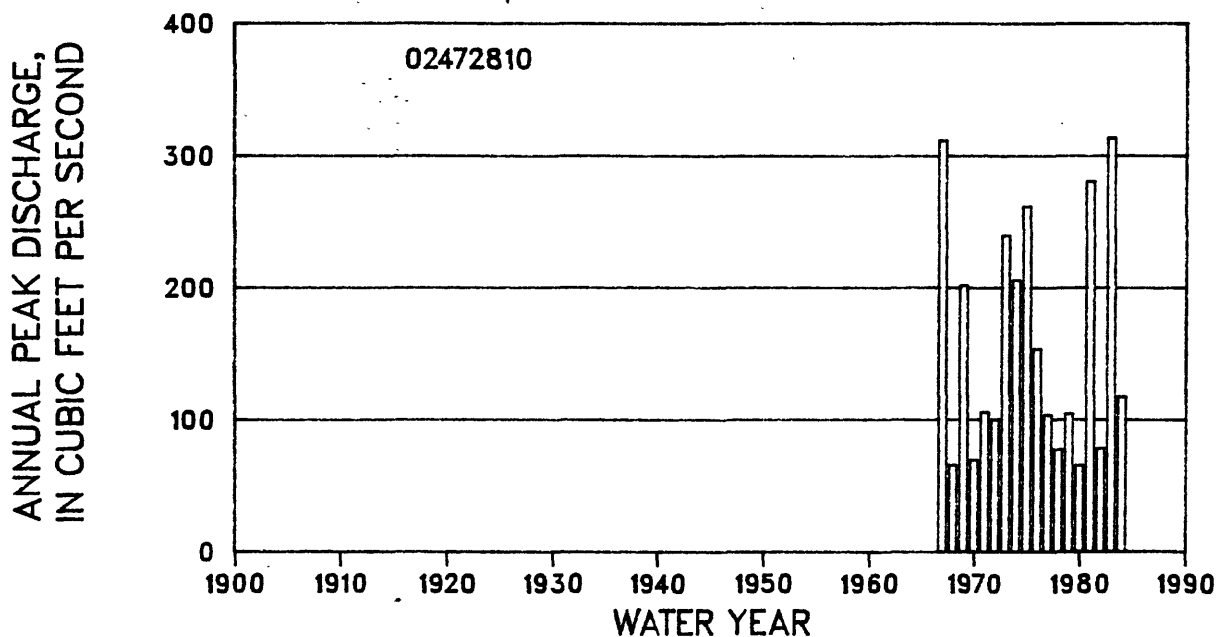
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.136  
STANDARD DEVIATION 0.245  
SKEW 0.391

	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
T	2	5	10	25	50	100	200	500
STATION	132	217	288	395	489	597	720	909
REGIONAL	109	169	215	267	312	343	393	435
WEIGHTED	128	201	255	317	367	406	461	515

	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
T	2	5	10	25	50	100	200	500
STATION	15	17	22	31	39	48	59	75
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	13	14	17	20	23	26	29	33

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 18

Graph of annual peak discharges is shown below.



## 02472810 Okatoma Creek tributary no.2 near Collins, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1967	10/ 9/66	8.57	312	1976	3/30/76	6.13	154
1968	12/14/67	4.36	66	1977	3/ 4/77	5.17	104
1969	12/21/68	6.93	202	1978	5/ 3/78	4.64	78
1970	8/15/70	4.46	70	1979	3/ 4/79	5.18	105
1971	3/18/71	5.21	106	1980	5/17/80	4.36	66
1972	12/ 6/71	5.09	100	1981	3/29/81	8.13	281
1973	3/24/73	7.54	240	1982	4/20/82	4.66	79
1974	5/22/74	7.00	206	1983	4/ 6/83	8.61	314
1975	5/ 7/75	7.86	262	1984	12/28/83	5.44	118

# 02473000 Leaf River at Hattiesburg, MS

## LOCATION:

Lat 31°20'33", long 89°16'46", SW 1/4 NW 1/4 sec.2, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 0317005, on right downstream abutment of bridge on U.S. Highway 11, at eastern city limits of Hattiesburg, 150 ft downstream from Bouie Creek, 3,200 ft upstream from New Orleans and Northeastern Railroad, and at mi 71.8.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 118.23 ft above sea level. Prior to Jan. 15, 1939, nonrecording gage 3,000 ft downstream at datum 3.26 ft higher. From Jan. 15, 1939, to April 14, 1981, water-stage recorder in concrete house on left bank 450 ft downstream from U.S. Highway 11.

DRAINAGE AREA: 1,750 mi<sup>2</sup>      SLOPE: 2.5 ft/mi      LENGTH: 111 mi

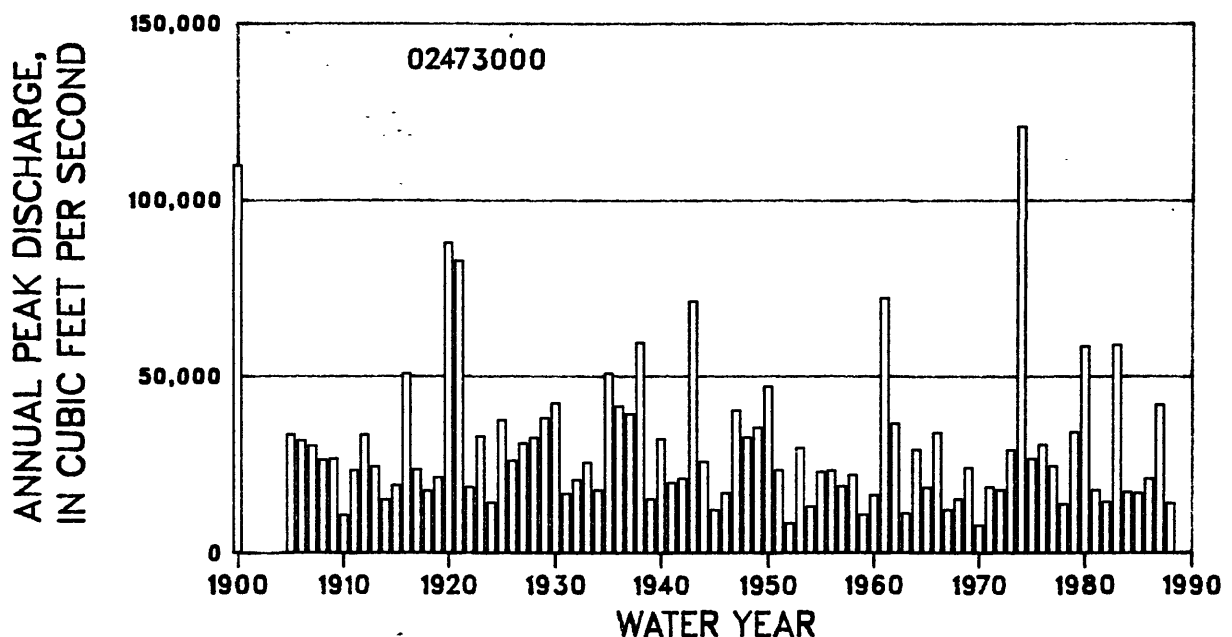
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN      4.418  
    STANDARD DEVIATION      0.240  
    SKEW      0.444

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	25,100	41,000	54,200	74,500	92,300	113,000	136,000	173,000
REGIONAL	24,300	40,400	53,400	68,000	82,500	98,500	103,000	128,000
WEIGHTED	25,000	40,900	54,000	71,600	86,500	103,000	111,000	137,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	7	8	10	14	18	22	26	32
REGIONAL	22	19	17	16	15	15	16	17
WEIGHTED	6	7	9	10	11	12	13	15

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 85

Graph of annual peak discharges is shown below.





## 02473000 Leaf River at Hattiesburg, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1900	4/ /00	33.60	110,000 f	1947	1/22/47	26.66	40,600
1905	2/12/05	20.50 a	33,600	1948	3/ 7/48	24.98	32,900
1906	3/21/06	20.10 a	32,000	1949	4/ 3/49	25.72	35,700
1907	5/18/07	19.80 a	30,500	1950	1/10/50	27.42	47,300
1908	2/16/08	18.60 a	26,500	1951	4/ 1/51	22.11	23,600
1909	6/ 5/09	18.70 a	26,800	1952	3/ 4/52	13.34	8,570
1910	5/21/10	11.50 a	10,800	1953	5/ 6/53	24.00	30,000
1911	1/ 4/11	17.60 a	23,500	1954	12/12/53	16.20	13,300
1912	4/19/12	20.50 a	33,600	1955	4/15/55	21.33	23,200
1913	3/15/13	18.00 a	24,600	1956	3/18/56	21.53	23,600
1914	3/29/14	14.10 a	15,200	1957	4/ 5/57	19.29	19,100
1915	2/ 5/15	16.00 a	19,300	1958	9/24/58	20.94	22,300
1916	7/ 8/16	28.00	51,000	1959	4/23/59	14.72	11,000
1917	2/18/17	17.70 a	23,800	1960	4/ 3/60	18.00	16,500
1918	5/ 3/18	15.30 a	17,700	1961	2/23/61	31.53	72,200
1919	3/11/19	16.90 a	21,500	1962	12/20/61	25.92	36,800
1920	12/11/19	25.30 a	87,900	1963	1/21/63	14.95	11,400
1921	4/17/21	25.00 a	82,800	1964	4/10/64	23.80	29,500
1922	2/ 8/22	15.70 a	18,700	1965	2/18/65	19.08	18,700
1923	3/26/23	20.40 a	33,200	1966	2/18/66	25.24	34,300
1924	12/23/23	13.60 a	14,400	1967	5/ 6/67	15.63	12,400
1925	1/20/25	21.30 a	37,800	1968	12/17/67	17.46	15,400
1926	1/ 6/26	18.50 a	26,300	1969	4/16/69	21.72	24,300
1927	2/15/27	20.00 a	31,200	1970	5/ 5/70	12.08	7,950
1928	4/24/28	20.30 a	32,800	1971	3/ 4/71	19.01	18,800
1929	3/17/29	21.40 a	38,400	1972	12/10/71	18.57	18,000
1930	11/16/29	22.00 a	42,600	1973	3/27/73	23.72	29,400
1931	11/19/30	14.90 a	16,900	1974	4/15/74	34.03	121,000
1932	1/ 9/32	16.60 a	20,800	1975	5/ 9/75	21.94	26,900
1933	4/16/33	18.30 a	25,700	1976	4/ 2/76	23.57	30,900
1934	3/ 5/34	15.40 a	17,900	1977	4/22/77	20.94	24,800
1935	3/ 9/35	22.80 a	51,000	1978	5/ 9/78	15.18	14,000
1936	2/ 7/36	21.90 a	41,800	1979	3/ 7/79	24.32	34,400
1937	1/22/37	21.60 a	39,600	1980	4/14/80	29.13	58,700
1938	4/ 9/38	23.50 a	59,700	1981	4/ 2/81	17.38	18,000
1939	3/31/39	18.42 b	15,400	1982	2/17/82	15.31	14,700
1940	5/ 3/40	24.88	32,500	1983	4/ 9/83	29.19	59,000
1941	3/ 8/41	21.13	20,000	1984	12/29/83	17.10	17,500
1942	3/24/42	21.62	21,200	1985	8/18/85	16.88	17,200
1943	3/22/43	28.91	71,300	1986	10/30/85	18.79	21,300
1944	4/28/44	22.83	26,000	1987	3/ 2/87	24.85	42,200
1945	4/26/45	16.60	12,300	1988	4/ 4/88	14.05	14,400
1946	5/16/46	19.32	17,100				

HISTORICAL DATA: The 1974 peak is the highest known since 1900.

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

f Discharge is an historical peak.

# 02473047 Gordon Creek at Hattiesburg, MS

## LOCATION:

Lat 31°19'42", long 89°18'14", NW 1/4 NE 1/4 sec.9, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170005, and at downstream side of bridge on Broad Street in Hattiesburg.

## GAGE:

Crest-stage gage. Datum of gage is 145.00 ft above sea level. Prior to 1984 water year, datum of gage was 45.0 ft lower.

DRAINAGE AREA: 8.83 mi<sup>2</sup> SLOPE: 21.9 ft/mi LENGTH: 7.3 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.282  
STANDARD DEVIATION 0.195  
SKEW 0.556

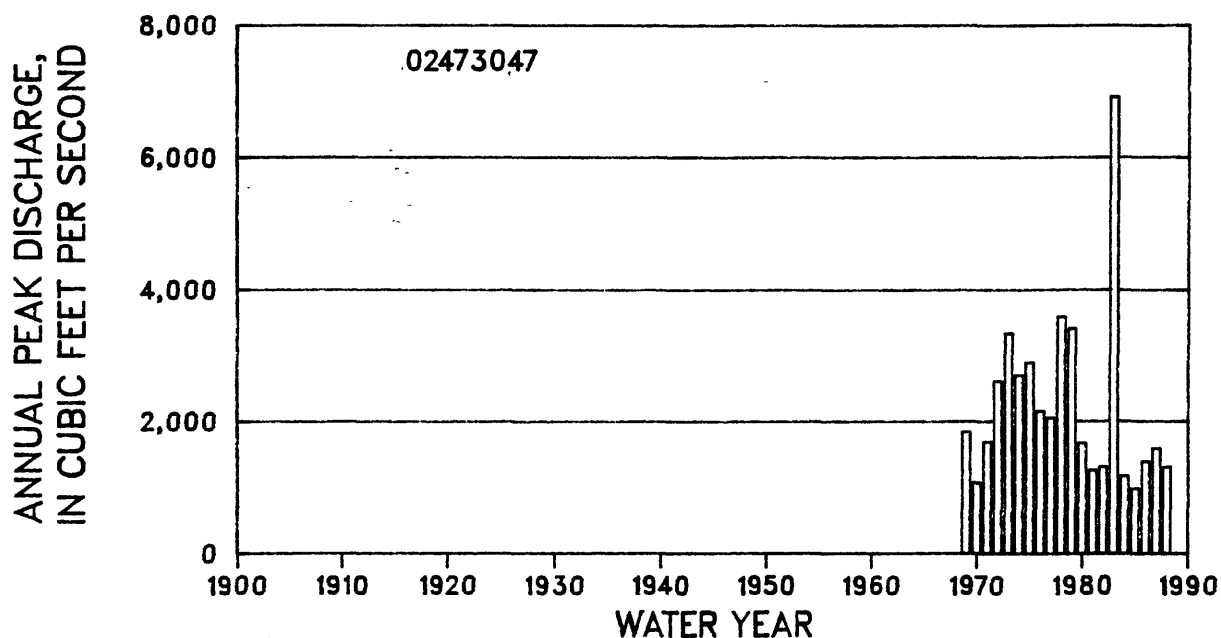
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	1,840	2,740	3,470	4,540	5,460	6,500	7,660	9,430

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	11	15	21	27	34	41	52

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 28

NOTE: The discharges are affected by urbanization. The flood-frequency discharges are unweighted station estimates.

Graph of annual peak discharges is shown below.



## 02473047 Gordon Creek at Hattiesburg, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1969	4/14/69	57.10 a	1,850 j	1979	4/ 4/79	60.18 a	3,420 j
1970	5/ 2/70	54.10 a	1,080 j	1980	5/17/80	56.62 a	1,680 j
1971	3/ 2/71	56.64 a	1,700 j	1981	2/12/81	55.22 a	1,270 j
1972	12/ 6/71	58.70 a	2,620 j	1982	4/21/82	55.22 a	1,320 j
1973	3/24/73	60.06 a	3,350 j	1983	4/ 6/83	61.89 a	6,920 j
1974	4/13/74	58.88 a	2,710 j	1984	2/27/84	9.64 b	1,180 j
1975	5/ 7/75	59.26 a	2,900 j	1985	8/16/85	8.83	993 j
1976	3/30/76	57.78 a	2,160 j	1986	12/12/85	10.56	1,400 j
1977	4/22/77	57.58 a	2,060 j	1987	8/ 6/87	11.39	1,600 j
1978	5/ 3/78	60.48 a	3,600 j	1988	7/17/88	10.26	1,320 j

HISTORICAL DATA: The 1983 peak is the highest known since 1947.

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

j Discharge affected by urbanization or channelization.

# 02473460 Tallahala Creek at Waldrup, MS

## LOCATION:

Lat 31°57'58", long 89°06'55", SW 1/4 sec.31, T.2 N., R.12 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170005, near right bank on downstream side of bridge on State Highway 528, 0.8 mi west of Waldrup, 11.6 mi east of Bay Springs, and 91.0 mi upstream from mouth.

## GAGE:

Continuous-discharge gage, water-stage recorder and crest-stage gage. Datum of gage is 290.00 ft above sea level. From October 1979 to September 1980, nonrecording gage and crest-stage gage at same site and datum.

DRAINAGE AREA: 102 mi<sup>2</sup>      SLOPE: 4.1 ft/mi      LENGTH: 24.6 mi

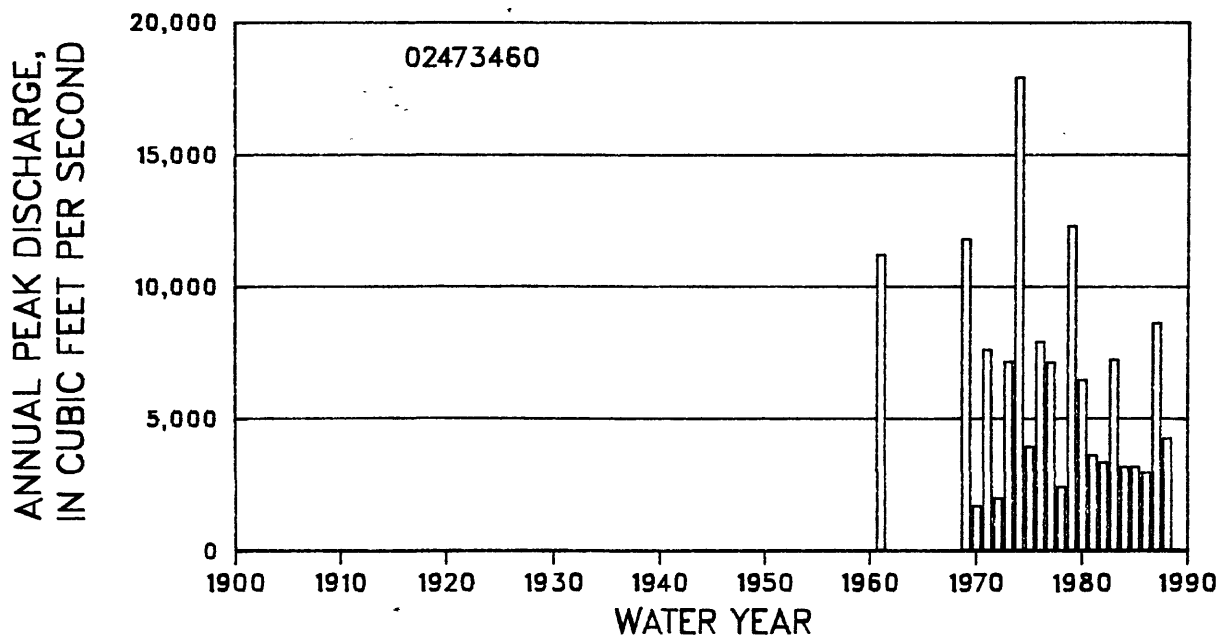
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN    3.702  
    STANDARD DEVIATION    0.271  
    SKEW      0.129

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	4,970	8,470	11,300	15,400	18,900	22,800	27,000	33,400
REGIONAL	4,130	7,110	9,390	12,200	14,300	16,300	18,700	21,500
WEIGHTED	4,820	8,070	10,500	13,700	16,100	18,500	21,200	24,500

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	15	17	20	27	33	41	49	60
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	13	14	16	19	22	24	27	31

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 21

Graph of annual peak discharges is shown below.



## 02473460 Tallahala Creek at Waldrup, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1961	2/22/61	21.61	11,200 f	1979	4/ 4/79	21.87	12,300
1969	4/14/69	21.77	11,800	1980	4/12/80	20.06	6,450
1970	3/24/70	17.43	1,700	1981	3/31/81	18.75	3,630
1971	2/21/71	20.53	7,600	1982	2/17/82	18.59	3,350
1972	1/10/72	17.66	2,000	1983	3/ 6/83	20.36	7,220
1973	3/31/73	20.34	7,150	1984	3/ 6/84	18.48	3,170
1974	4/13/74	23.18	17,900	1985	10/22/84	18.49	3,180
1975	2/16/75	18.92	3,950	1986	10/29/85	18.42	2,970
1976	3/31/76	20.60	7,900	1987	1/18/87	20.98	8,610
1977	4/22/77	20.33	7,120	1988	9/ 5/88	19.21	4,260
1978	1/26/78	17.94	2,420				

HISTORICAL DATA: The 1974 peak is the highest known between 1961 and 1988.

f Discharge is an historical peak.

02473480 Tallahattah Creek near Waldrup, MS

LOCATION:

Lat 31°51'40", long 89°05'10", NW 1/4 SE 1/4 sec.3, T.10 N., R.11 W., St. Stephens Meridian, Jasper County, Hydrologic Unit 03170005, on paved county road, and 8.7 mi south of Waldrup.

GAGE:

Crest-stage and nonrecording gage. Datum of gage is 265.25 ft above sea level.

DRAINAGE AREA: 30.4 mi<sup>2</sup> SLOPE: 11.0 ft/mi LENGTH: 13.0 mi

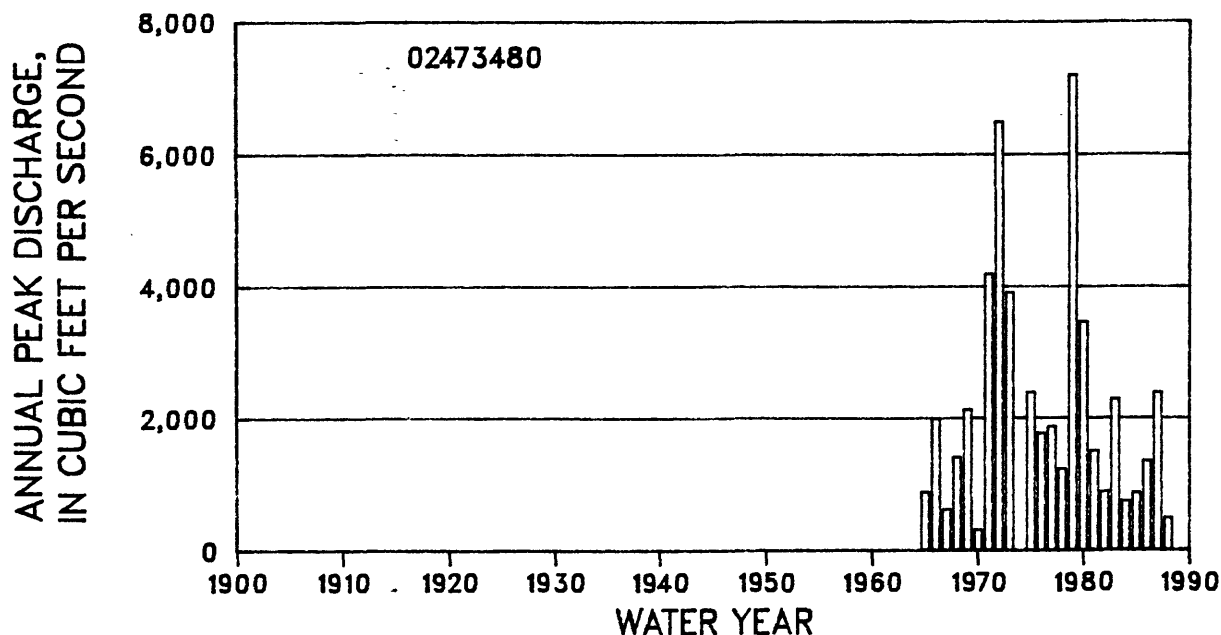
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.217  
STANDARD DEVIATION 0.343  
SKEW 0.098

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	1,630	3,190	4,570	6,740	8,690	10,900	13,500	17,600
REGIONAL	2,010	3,440	4,550	5,880	6,940	7,870	9,070	10,400
WEIGHTED	1,710	3,280	4,560	6,220	7,500	8,670	10,100	11,700

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	18	20	24	32	40	49	59	74
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	16	16	17	20	23	26	29	33

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 23

Graph of annual peak discharges is shown below.



## 02473480 Tallahattah Creek near Waldrup, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1965	1/23/65	14.14	892	1977	4/22/77	14.95	1,880
1966	2/16/66	15.00	2,000	1978	5/ 8/78	14.41	1,240
1967	5/ 4/67	13.80	630	1979	3/ 3/79	17.20	7,200
1968	12/18/67	14.65	1,420	1980	5/17/80	15.85	3,470
1969	4/13/69	15.07	2,140	1981	4/ 1/81	14.89	1,520
1970	3/20/70	13.20	320	1982	2/16/82	14.09	900
1971	2/21/71	16.18	4,200	1983	2/ 1/83	15.24	2,300
1972	5/13/72	16.97	6,500	1984	3/ 6/84	13.94	756
1973	3/25/73	16.05	3,920	1985	2/ 9/85	14.07	880
1974	4/13/74	18.14	--	1986	5/25/86	14.52	1,360
1975	2/16/75	15.30	2,400	1987	1/18/87	15.30	2,400
1976	3/31/76	14.87	1,780	1988	4/ 3/88	13.57	495

# 02473498 Tallahala Creek tributary at Laurel, MS

## LOCATION:

Lat 31°41'55", long 89°07'44", SW 1/4 sec.32, T.9 N., R.11 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170005, at wooden box bridge on 8th Street in park, and 200 ft east from 4th Avenue in Laurel.

## GAGE:

Crest-stage gage. Datum of gage is 264.47 ft above sea level.

DRAINAGE AREA: 1.12 mi<sup>2</sup> SLOPE: 28.9 ft/mi LENGTH: 2.2 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.772  
STANDARD DEVIATION 0.134  
SKEW 0.112

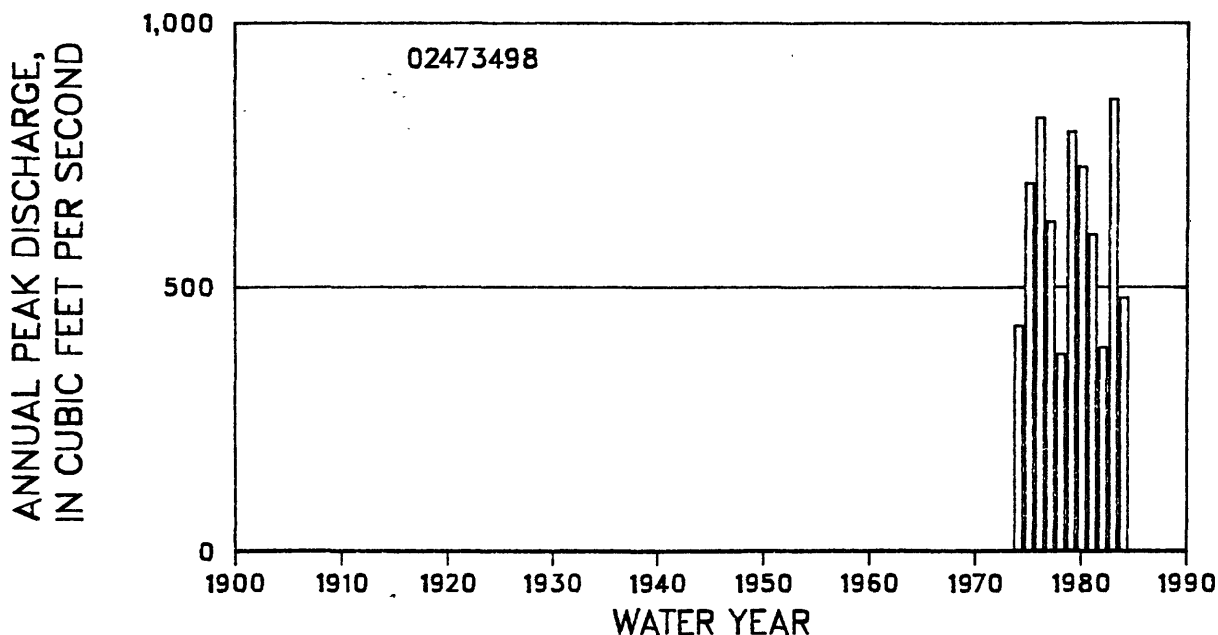
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	589	766	882	1,030	1,130	1,240	1,350	1,500

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	10	11	13	18	22	27	32	39

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 11

NOTE: The discharges are affected by urbanization. The flood-frequency discharges are unweighted station estimates, which may be more uncertain than is indicated by the standard error of estimate.

Graph of annual peak discharges is shown below.





02473498 Tallahala Creek tributary at Laurel, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1974	9/ 8/74	37.19	427 i j	1980	5/17/80	38.81	728 j
1975	5/ 7/75	38.67	697 j	1981	4/ 1/81	38.20	600 j
1976	3/30/76	39.23	821 j	1982	8/ 1/82	36.90	386 j
1977	3/ 3/77	38.32	624 j	1983	5/20/83	39.15	856 j
1978	5/ 7/78	36.81	373 j	1984	4/ 9/84	37.54	480 j
1979	3/ 3/79	39.11	794 j				

i Only annual maximum peak available for the water year.

j Discharge affected by urbanization or channelization.

# 02473500 Tallahala Creek at Laurel, MS

## LOCATION:

Lat 31°40'50", long 89°06'55", NE 1/4 sec.8, T.8 N., R.11 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170005, on right bank at upstream side of bridge on State Highway 15, 0.5 mi upstream from Illinois Central and Gulf Railroad bridge, 0.5 mi southeast from city limits of Laurel, 13.1 mi upstream from Tallahoma Creek, and 54.0 mi upstream from mouth.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 201.37 ft above sea level. Prior to Dec. 14, 1938, nonrecording gage at same site and datum.

DRAINAGE AREA: 238 mi<sup>2</sup>      SLOPE: 3.2 ft/mi      LENGTH: 56.6 mi

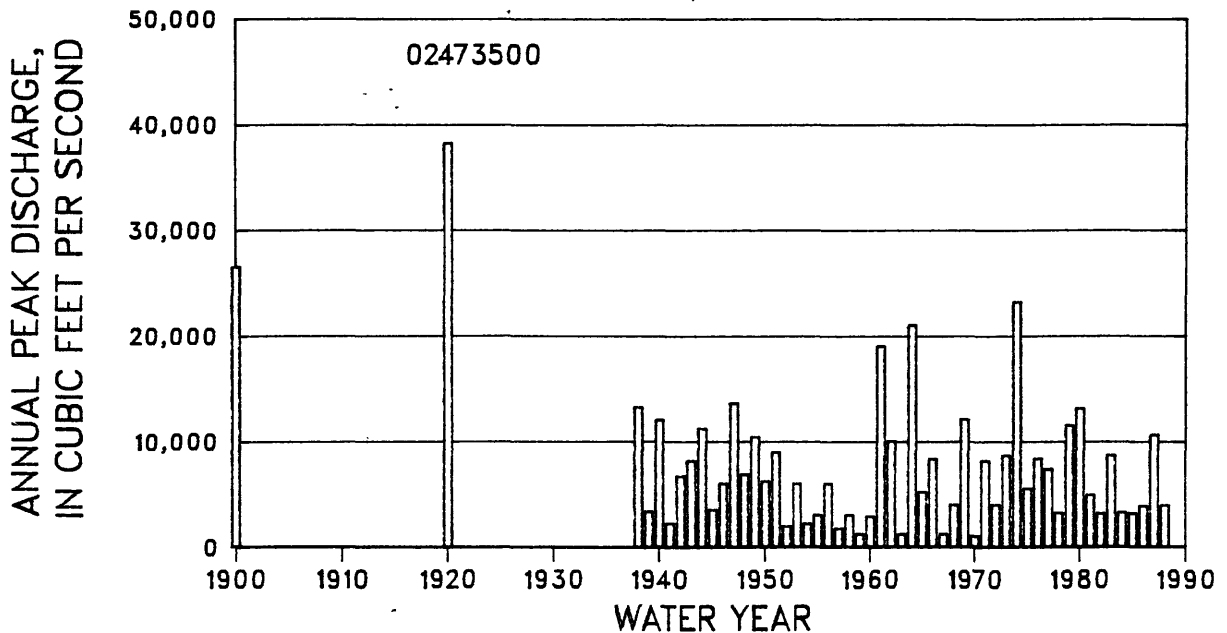
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN    3.751  
    STANDARD DEVIATION    0.343  
    SKEW    -0.078

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	5,700	11,000	15,400	22,000	27,600	33,900	40,800	50,900
REGIONAL	6,030	10,600	14,200	18,700	22,100	25,400	29,400	34,000
WEIGHTED	5,740	10,900	15,100	20,800	25,300	29,800	34,700	41,100

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	12	12	14	19	23	28	33	40
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	11	11	13	15	18	20	23	27

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 53

Graph of annual peak discharges is shown below.



## 02473500 Tallahala Creek at Laurel, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1900	4/ /00	24.00	26,600 f	1963	1/25/63	11.99	1,240
1920	12/ 9/19	26.00	38,300 f	1964	4/ 7/64	23.13	21,100
1938	4/ /38	20.70	13,300	1965	12/14/64	17.13	5,230
1939	3/ 9/39	15.78	3,410	1966	2/14/66	18.63	8,390
1940	5/ 2/40	18.95	12,100	1967	5/ 9/67	12.07	1,270
1941	3/11/41	14.73	2,260	1968	12/19/67	16.39	4,050
1942	3/23/42	17.40	6,750	1969	4/16/69	20.22	12,200
1943	3/22/43	17.87	8,200	1970	3/25/70	10.85	1,070
1944	4/28/44	18.80	11,300	1971	2/23/71	18.95	8,210
1945	12/10/44	15.74	3,570	1972	1/13/72	16.72	4,050
1946	3/18/46	17.07	6,050	1973	4/27/73	18.95	8,720
1947	1/21/47	20.29	13,700	1974	4/14/74	23.28	23,300
1948	3/ 6/48	17.28	6,920	1975	2/19/75	17.32	5,580
1949	4/ 1/49	18.98	10,500	1976	4/ 2/76	18.84	8,450
1950	2/16/50	17.21	6,260	1977	4/29/77	18.41	7,420
1951	3/30/51	18.40	9,030	1978	1/29/78	15.04	3,240
1952	5/27/52	14.00	1,980	1979	3/ 5/79	20.27	11,600
1953	5/ 6/53	17.08	6,040	1980	4/14/80	20.84	13,200
1954	4/ 1/54	14.52	2,230	1981	4/ 2/81	17.02	4,980
1955	4/17/55	15.36	3,040	1982	2/20/82	15.46	3,230
1956	3/18/56	17.14	6,040	1983	2/ 3/83	19.12	8,750
1957	4/ 9/57	13.68	1,760	1984	3/ 9/84	15.56	3,310
1958	11/23/57	15.35	3,040	1985	3/ 1/85	15.42	3,200
1959	4/26/59	12.30	1,250	1986	11/ 1/85	16.19	3,920
1960	3/16/60	15.24	2,920	1987	1/20/87	19.93	10,700
1961	2/23/61	22.32	19,100	1988	4/ 5/88	16.25	3,990
1962	12/19/61	18.75	10,100				

HISTORICAL DATA: The 1920 peak is the highest known since 1880.

f Discharge is an historical peak.

02473610 Tallahala Creek tributary no.2 at Laurel, MS

LOCATION:

Lat 31°40'44", long 89°09'19", N 1/2 sec.12, T.8 N., R.12 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170005, and at bridge at intersection of Grandview Avenue and West Drive in Laurel.

GAGE:

Crest-stage gage. Datum of gage is 200.00 ft above sea level.

DRAINAGE AREA: 1.52 mi<sup>2</sup> SLOPE: 24.8 ft/mi LENGTH: 3.0 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.684  
STANDARD DEVIATION 0.170  
SKEW 0.115

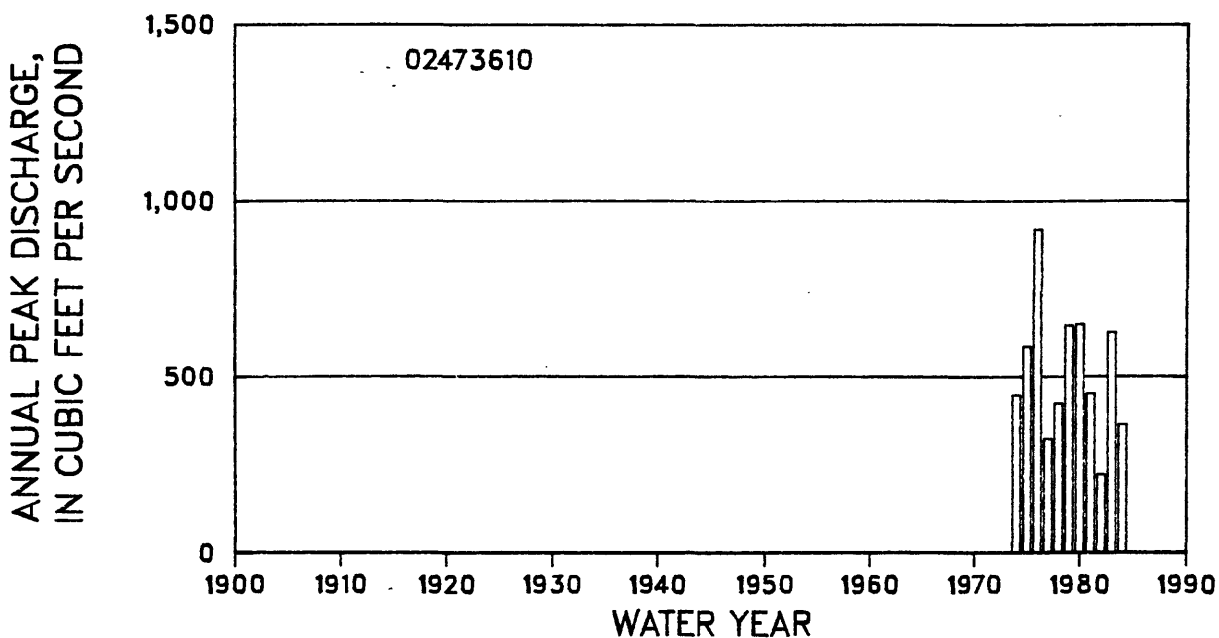
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	480	670	802	974	1,110	1,240	1,380	1,580

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	13	14	17	23	28	35	41	51

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 11

NOTE: The discharges are affected by urbanization. The flood-frequency discharges are unweighted station estimates, which may be more uncertain than is indicated by the standard error of estimate.

Graph of annual peak discharges is shown below.



02473610 Tallahala Creek tributary no.2 at Laurel, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1974	9/ 8/74	29.73	450 ij	1980	5/17/80	30.95	651 j
1975	5/ 7/75	30.60	588 j	1981	4/ 1/81	29.75	455 j
1976	3/30/76	32.30	920 j	1982	2/16/82	27.83	225 j
1977	4/22/77	28.80	326 j	1983	5/20/83	30.82	628 j
1978	5/ 7/78	29.50	426 j	1984	4/ 9/84	29.12	367 j
1979	5/12/79	30.93	647 j				

i Only annual maximum peak available for the water year.

j Discharge affected by urbanization or channelization.

# 02473850 Tallahoma Creek tributary at Lake Como, MS

## LOCATION:

Lat 31°57'43", long 89°12'18", on line between SE 1/4 sec.31, T.1 N., R.11 E., and sec.6, T.2 N., R.11 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170005, at culvert on State Highway 528, and 0.5 mi east of Lake Como.

## GAGE:

Crest-stage and nonrecording gage. Datum of gage is assumed. Prior to Sept. 20, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 3.21 mi<sup>2</sup> SLOPE: 31.5 ft/mi LENGTH: 3.4 mi

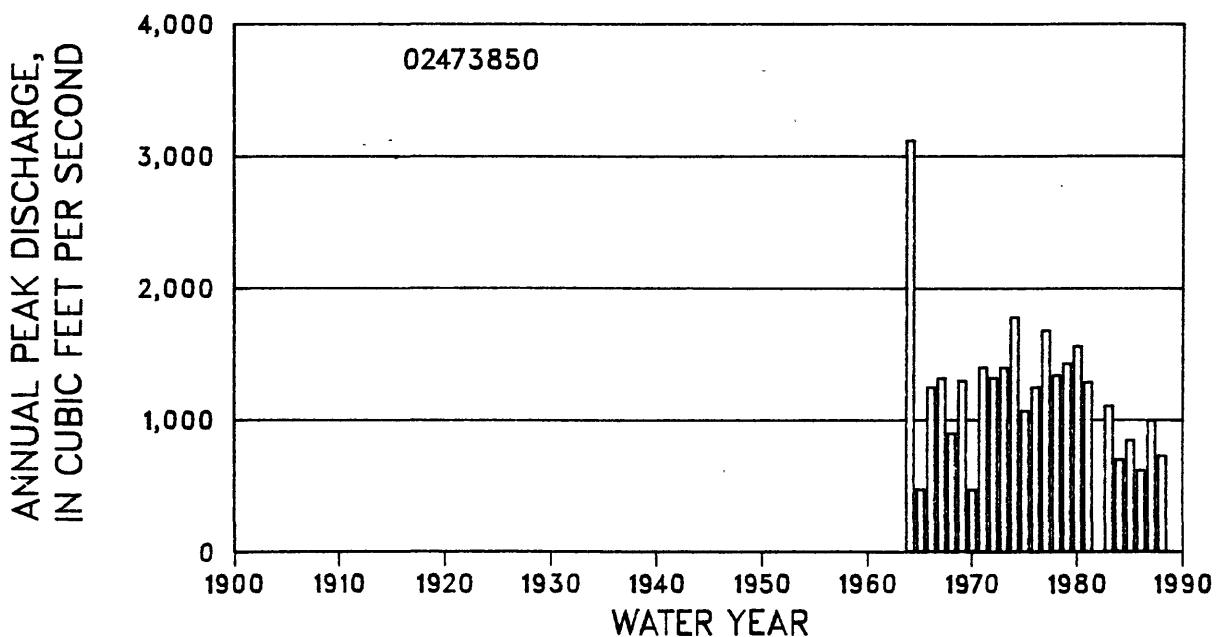
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.050  
STANDARD DEVIATION 0.186  
SKEW -0.001

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	1,120	1,610	1,950	2,380	2,710	3,040	3,390	3,860
REGIONAL	544	897	1,170	1,480	1,750	1,950	2,250	2,530
WEIGHTED	1,060	1,490	1,780	2,100	2,360	2,580	2,870	3,200

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	10	12	16	19	23	28	34
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	9	10	11	14	16	18	21	25

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 24

Graph of annual peak discharges is shown below.



## 02473850 Tallahoma Creek tributary at Lake Como, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1964	4/ 6/64	12.27	3,120	1977	4/21/77	8.76	1,680
1965	8/ 8/65	5.17	474	1978	5/ 7/78	7.81	1,340
1966	2/15/66	7.55	1,250	1979	3/ 4/79	8.07	1,430
1967	11/11/66	7.75	1,320	1980	5/17/80	8.44	1,560
1968	12/15/67	6.50	900	1981	4/ 1/81	7.67	1,290
1969	4/13/69	7.68	1,300	1982	2/16/82	6.91	--
1970	2/25/70	5.16	471	1983	4/ 6/83	8.59	1,110
1971	2/21/71	8.80	1,400	1984	2/12/84	7.15	700
1972	1/ 9/72	7.75	1,320	1985	2/11/85	7.11	850
1973	3/30/73	8.81	1,400	1986	10/29/85	6.85	620
1974	4/12/74	9.34	1,780	1987	1/18/87	8.35	1,000
1975	5/ 7/75	6.88	1,070	1988	4/ 3/88	7.14	730
1976	3/30/76	7.55	1,250				

# 02474000 Tallahoma Creek near Laurel, MS

## LOCATION:

Lat 31°47'00", long 89°11'00", NE 1/4 sec.3, T.9 N., R.12 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170005, at bridge on State Highway 15, 0.8 mi upstream from Cypress Creek, 1.5 mi downstream from Gulf, Mobile, and Ohio Railroad bridge, 7.0 mi northwest of Laurel, and 15.0 mi upstream from mouth.

## GAGE:

Nonrecording gage. Datum of gage is 233.73 ft above sea level.

DRAINAGE AREA: 149 mi<sup>2</sup> SLOPE: 3.3 ft/mi LENGTH: 57.8 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.624  
STANDARD DEVIATION 0.263  
SKEW 0.007

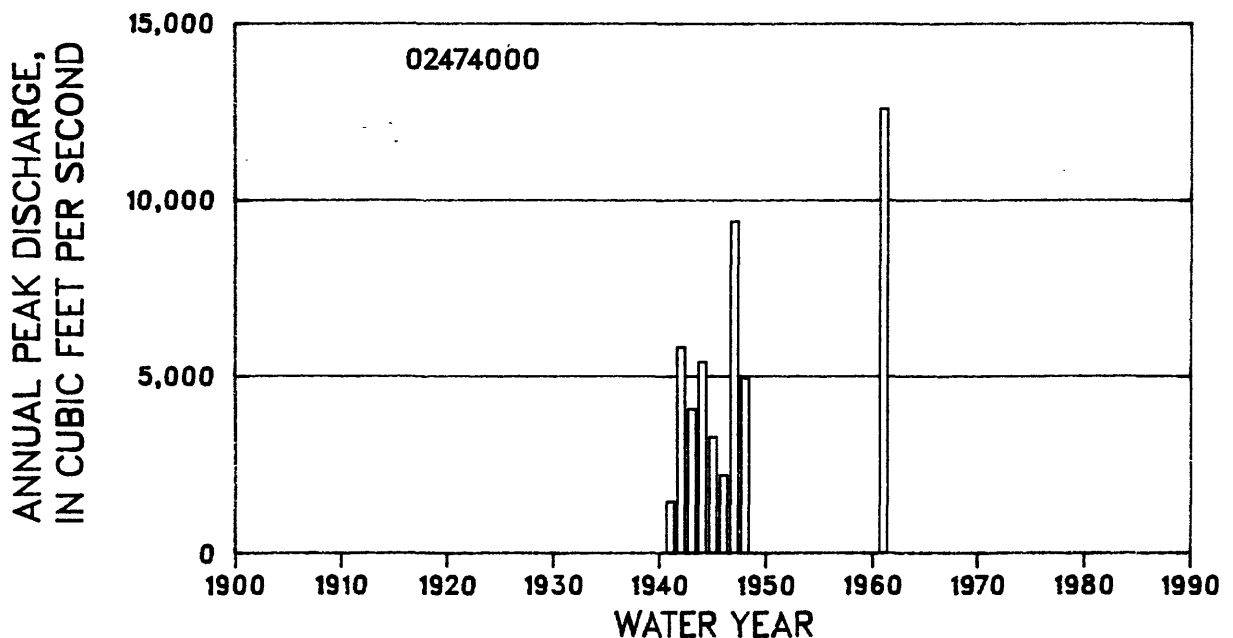
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	4,200	7,010	9,160	12,200	14,700	17,300	20,100	24,200
REGIONAL	4,100	7,140	9,500	12,500	14,800	17,000	19,700	22,800
WEIGHTED	4,180	7,060	9,320	12,400	14,800	17,100	19,800	23,100

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	19	21	24	32	40	49	59	73
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	16	16	18	20	23	26	29	33

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 12

NOTE: The systematic period of record is less than 10 years; but, with historical data, effective record length is greater than 10 years.

Graph of annual peak discharges is shown below.





## 02474000 Tallahoma Creek near Laurel, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1941	3/ 7/41	10.90	1,450	1946	2/12/46	11.34	2,200
1942	3/23/42	12.60	5,830	1947	1/20/47	13.82	9,410
1943	3/21/43	12.00	4,090	1948	3/ 7/48	12.29	4,960
1944	4/27/44	12.30	5,420	1961	2/22/61	14.98	12,600 f
1945	12/12/44	11.70	3,290				

HISTORICAL DATA: The 1961 peak is the highest known since 1941.

f Discharge is an historical peak.

# 02474500 Tallahala Creek near Runnelstown, MS

## LOCATION:

Lat 31°19'57", long 89°06'46", SE 1/4 SE 1/4 sec.5, T.4 N., R.11 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, on right bank at downstream side of bridge on county highway , 3.0 mi south of Runnelstown, and 11.9 mi upstream from mouth.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 104.58 ft above sea level. Prior to Oct. 1, 1971, at datum 5.00 ft higher.

DRAINAGE AREA: 612 mi<sup>2</sup>      SLOPE: 2.5 ft/mi      LENGTH: 102 mi

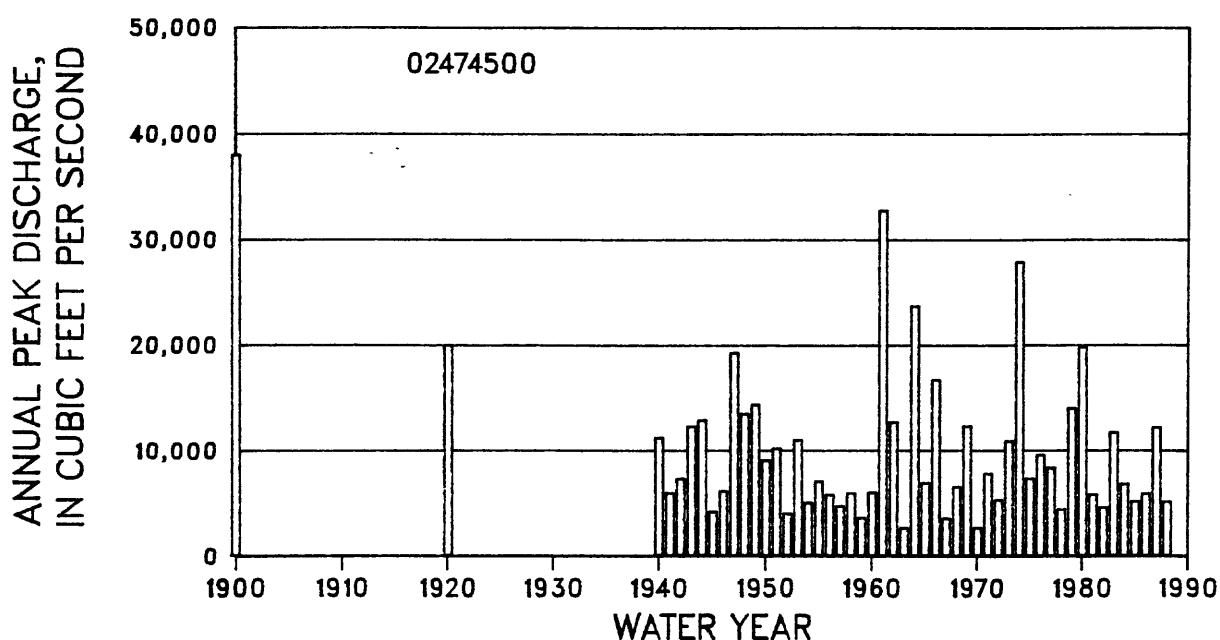
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN    3.915  
    STANDARD DEVIATION    0.259  
    SKEW      0.355

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	7,950	13,400	18,000	25,100	31,300	38,500	46,700	59,500
REGIONAL	10,400	18,800	25,400	33,600	39,900	46,200	53,600	62,500
WEIGHTED	8,100	14,100	19,400	27,600	34,500	41,900	50,100	61,100

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	11	13	19	23	29	34	43
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	9	10	12	15	18	21	24	28

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 51

Graph of annual peak discharges is shown below.



## 02474500 Tallahala Creek near Runnelstown, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1900	4/ /00	30.50 a	38,000 f	1964	4/10/64	22.88 a	23,700
1920	12/ /19	26.50 a	20,000 f	1965	2/18/65	14.32 a	6,920
1940	5/ 5/40	18.27 a	11,200	1966	2/17/66	20.20 a	16,700
1941	3/ 7/41	12.87 a	5,970	1967	5/ 6/67	9.39 a	3,560
1942	3/26/42	14.44 a	7,310	1968	12/23/67	13.85 a	6,560
1943	3/23/43	18.88 a	12,300	1969	4/18/69	18.89 a	12,300
1944	4/29/44	19.22 a	12,900	1970	3/22/70	7.97 a	2,680
1945	12/ 8/44	10.47 a	4,190	1971	2/26/71	15.21 a	7,810
1946	3/16/46	13.14 a	6,140	1972	1/16/72	17.14 b	5,300
1947	1/23/47	21.70 a	19,300	1973	4/29/73	23.04	10,900
1948	3/ 8/48	19.22 a	13,500	1974	4/16/74	28.44	27,900
1949	4/ 3/49	19.64 a	14,400	1975	5/ 8/75	19.48	7,330
1950	2/18/50	16.11 a	9,070	1976	4/ 4/76	21.85	9,580
1951	4/ 2/51	16.97 a	10,200	1977	4/26/77	20.72	8,360
1952	3/ 4/52	10.05 a	4,010	1978	5/ 9/78	14.73	4,440
1953	5/ 7/53	17.60 a	11,000	1979	3/ 7/79	24.48	14,000
1954	4/16/54	11.21 a	5,040	1980	4/16/80	26.43	19,800
1955	4/13/55	13.91 a	7,070	1981	4/ 5/81	16.84	5,850
1956	3/21/56	12.28 a	5,810	1982	2/ 3/82	14.81	4,620
1957	4/ 5/57	11.50 a	4,720	1983	4/ 7/83	23.03	11,700
1958	9/22/58	13.00 a	5,950	1984	12/28/83	17.97	6,820
1959	6/ 2/59	9.71 a	3,620	1985	3/ 1/85	15.68	5,200
1960	4/ 3/60	13.08 a	6,030	1986	11/ 1/85	16.70	5,930
1961	2/24/61	24.84 a	32,800	1987	1/23/87	23.38	12,200
1962	12/21/61	19.08 a	12,700	1988	4/ 7/88	15.66	5,190
1963	3/ 6/63	8.33 a	2,660				

HISTORICAL DATA: The 1900 peak is the highest known since 1885.

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

f Discharge is an historical peak.

02474560 Leaf River near New Augusta, MS

LOCATION:

Lat 31°13'37", long 89°03'01", NE 1/4 SW 1/4 sec.13, T.3 N., R.11 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, on left bank at downstream abutment of bridge on State Highway 29, 4.2 mi downstream from Tallahala Creek, 1.4 mi north from courthouse in New Augusta, and at mi 43.6.

GAGE:

Continuous-discharge gage, water-stage recorder and crest-stage gage. Datum of gage is 72.00 ft above sea level. Prior to December 1983, nonrecording gage.

DRAINAGE AREA: 2,540 mi<sup>2</sup> SLOPE: 2.3 ft/mi LENGTH: 139 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.406  
STANDARD DEVIATION 0.198  
SKEW 0.900

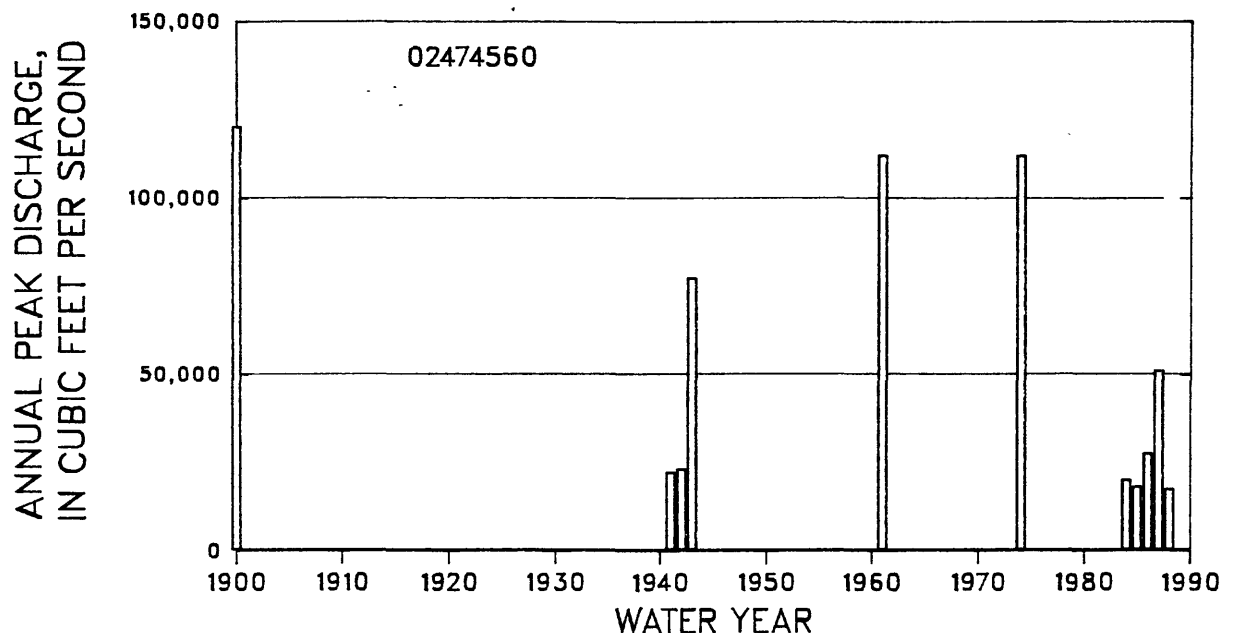
	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
T	2	5	10	25	50	100	200	500
STATION	23,800	36,200	46,900	63,900	79,600	98,100	120,000	156,000
REGIONAL	30,800	49,800	65,000	81,500	98,100	116,000	121,000	149,000
WEIGHTED	25,000	40,300	55,600	76,700	95,100	115,000	121,000	150,000

	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
T	2	5	10	25	50	100	200	500
STATION	11	13	18	28	37	48	60	79
REGIONAL	22	19	17	16	15	15	16	17
WEIGHTED	10	11	12	14	14	14	15	17

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 24

NOTE: The systematic period of record is less than 10 years; but, with historical data, effective record length is greater than 10 years.

Graph of annual peak discharges is shown below.



## 02474560 Leaf River near New Augusta, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1900	unknown	36.00	120,000 f	1984	12/30/83	20.13	19,900
1941	3/ 9/41	21.70	22,000	1985	2/27/85	17.61	18,000
1942	3/25/42	22.40	23,000	1986	11/ 1/85	22.58	27,400
1943	3/23/43	31.10	77,000	1987	3/ 3/87	28.61	50,900
1961	2/ /61	35.30	112,000 f	1988	4/ 4/88	17.13	17,300
1974	4/ /74	35.30	112,000 f				

HISTORICAL DATA: The 1961 and 1974 peaks are the highest known since 1900.

f Discharge is an historical peak.

02474600 Bogue Homo near Richton, MS

LOCATION:

Lat 31°24'12", long 89°01'18", NE 1/4 NW 1/4 sec.17, T.5 N., R.10 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, near right bank at downstream side of bridge on county highway, 0.5 mi upstream from Linda Creek, 1.0 mi downstream from Sweetwater Creek, 3.5 mi upstream from State Highway 42, and 6.0 mi northwest of Richton.

GAGE:

Continuous-discharge gage, water-stage recorder. Elevation of gage is about 117 ft above sea level (from topographic map). For 1941-43 water years, at site 3.5 mi downstream at datum of 105.54 ft above sea level.

DRAINAGE AREA: 344 mi<sup>2</sup> SLOPE: 3.7 ft/mi LENGTH: 64.9 mi

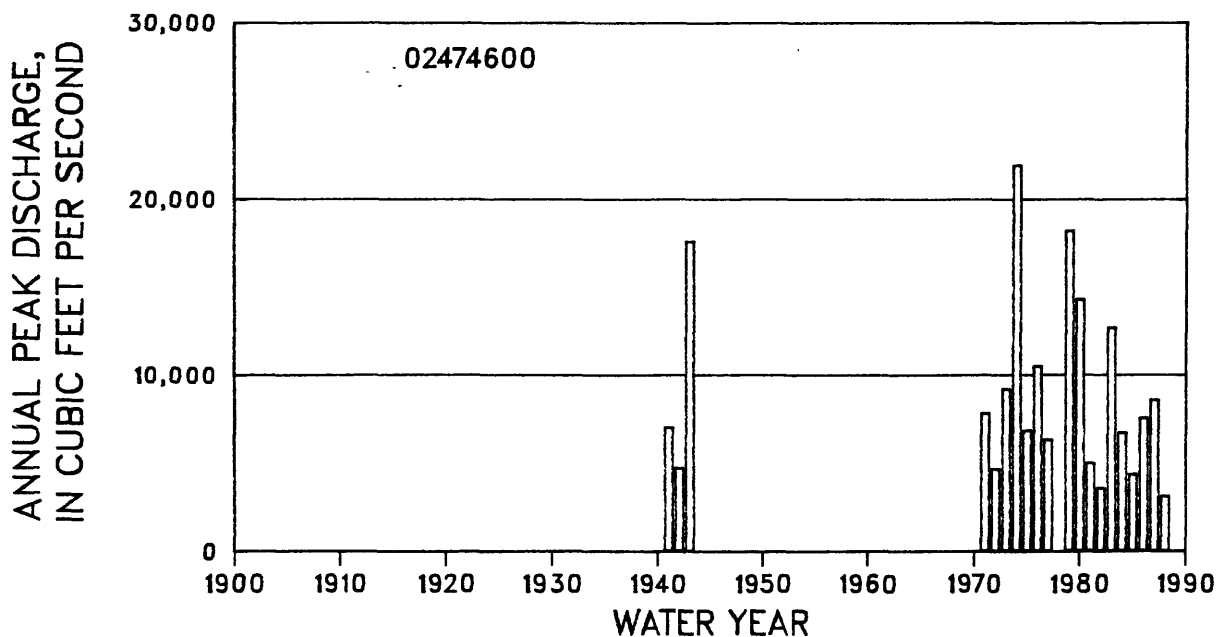
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.891  
STANDARD DEVIATION 0.240  
SKEW 0.307

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	7,560	12,300	16,000	21,600	26,400	31,800	37,800	46,900
REGIONAL	7,770	14,000	18,800	24,800	29,400	33,900	39,300	45,500
WEIGHTED	7,590	12,700	17,000	23,100	28,100	33,100	38,800	45,900

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	13	16	20	27	34	42	51	63
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	12	14	16	19	22	24	27	32

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 20

Graph of annual peak discharges is shown below.



## 02474600 Bogue Homo near Richton, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1941	3/ 8/41	16.20 a	7,000	1979	4/ 4/79	26.31	18,200
1942	3/24/42	13.50 a	4,700	1980	4/15/80	24.44	14,300
1943	3/21/43	25.70 a	17,600	1981	2/11/81	13.86	4,990
1971	3/ 4/71	18.37	7,800	1982	2/ 3/82	11.50	3,570
1972	12/ 8/71	13.52	4,650	1983	4/ 8/83	23.29	12,700
1973	4/28/73	19.10	9,180	1984	12/29/83	16.01	6,700
1974	12/28/73	27.63	21,900	1985	2/28/85	12.18	4,350
1975	5/ 8/75	16.88	6,820	1986	10/31/85	17.12	7,530
1976	4/ 1/76	21.91	10,500	1987	1/21/87	18.69	8,570
1977	3/31/77	16.11	6,310	1988	4/ 3/88	9.73	3,100

a Gage height at different site and (or) datum.

02474650 Buck Creek near Runnelstown, MS

LOCATION:

Lat 31°21'50", long 89°03'08", SE 1/4 sec.25, T.5 N., R.11 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, at bridge on State Highway 42, 2.5 mi upstream from mouth, and 3.7 mi east of Runnelstown.

GAGE:

Crest-stage gage. Datum of gage is 128.00 ft above sea level. Prior to Oct. 27, 1982, datum of gage was 73.48 ft lower.

DRAINAGE AREA: 20.8 mi<sup>2</sup> SLOPE: 13.5 ft/mi LENGTH: 11.8 mi

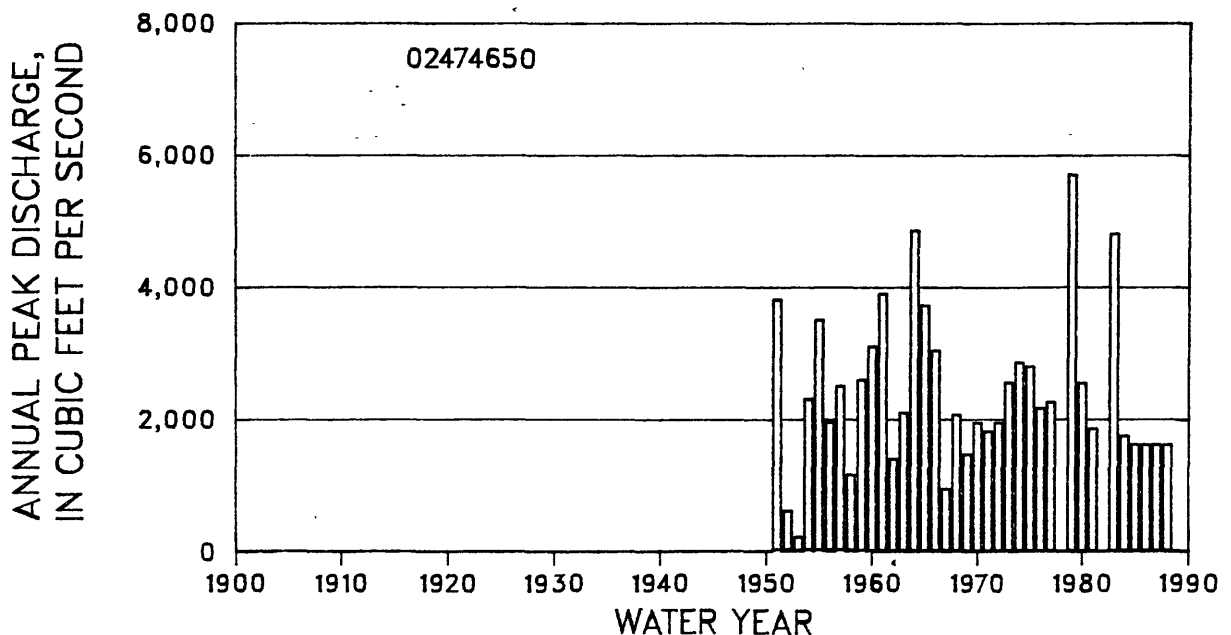
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.371  
STANDARD DEVIATION 0.195  
SKEW 0.046

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	2,340	3,430	4,190	5,200	5,990	6,790	7,630	8,790
REGIONAL	1,540	2,630	3,470	4,480	5,300	6,000	6,930	7,900
WEIGHTED	2,290	3,340	4,080	5,040	5,800	6,530	7,380	8,430

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	8	9	11	14	17	21	24	29
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	8	8	10	12	15	17	19	23

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 36

Graph of annual peak discharges is shown below.





## 02474650 Buck Creek near Runnelstown, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1951	4/ 1/51	94.79 a	3,800	1969	4/14/69	84.25 a	1,470
1952	unknown	--	600 h	1970	3/ /70	--	1,950 h
1953	5/ 5/53	87.00 a	200	1971	3/ 2/71	85.24 a	1,820
1954	4/16/54	93.66 a	2,300	1972	12/ /71	--	1,950 h
1955	4/12/55	94.54 a	3,500	1973	3/30/73	86.57 a	2,560
1956	2/ 4/56	93.36 a	1,950	1974	4/12/74	87.02 a	2,860
1957	9/19/57	93.85 a	2,500	1975	1/ 8/75	86.05 a	2,800
1958	9/22/58	92.36 a	1,150	1976	3/30/76	85.01 a	2,170
1959	6/ 9/59	93.96 a	2,600	1977	3/ 4/77	85.19 a	2,260
1960	4/ 3/60	94.31 a	3,100	1979	4/ 3/79	91.41 a	5,700
1961	2/18/61	94.89 a	3,900	1980	11/23/79	86.65 a	2,550
1962	11/14/61	92.68 a	1,400	1981	2/11/81	84.16 a	1,860
1963	1/20/63	85.63 a	2,100	1983	4/ 6/83	16.89 b	4,800
1964	3/14/64	89.72 a	4,850	1984	12/28/83	10.01	1,750
1965	12/12/64	88.28 a	3,720	1985	3/ 1/85	--	1,620 h
1966	2/12/66	87.29 a	3,040	1986	10/31/85	--	1,620 h
1967	4/15/67	82.15 a	940	1987	1/18/87	--	1,620 h
1968	12/ 9/67	85.74 a	2,070	1988	4/ 2/88	--	1,620 h

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

# 02474740 Leaf River at Beaumont, MS

## LOCATION:

Lat 31°10'56", long 88°55'08", NW 1/4 sec.32, T.3 N., R.9 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, at bridge on State Highway 15, 1.0 mi north of Beaumont, and at mi 29.8.

## GAGE:

Nonrecording gage. Datum of gage is 56.74 ft above sea level. Prior to Feb. 9, 1942, at railroad bridge 0.1 mi upstream.

DRAINAGE AREA: 3,010 mi<sup>2</sup>      SLOPE: 2.2 ft/mi      LENGTH: 153 mi

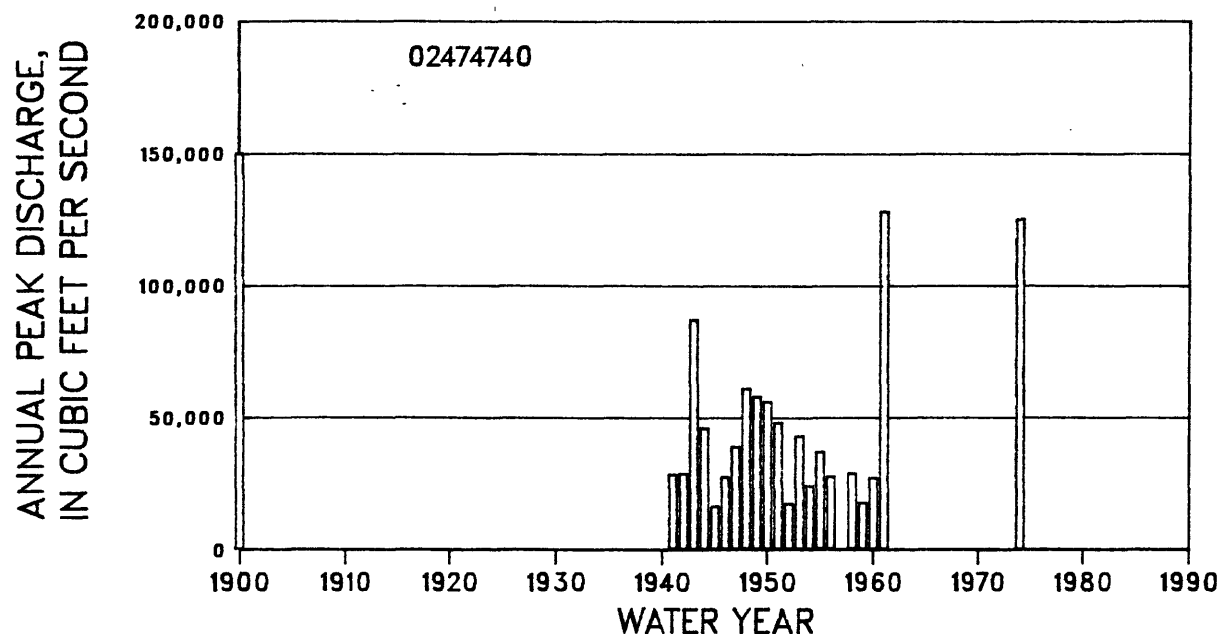
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN      4.556  
    STANDARD DEVIATION      0.225  
    SKEW      0.480

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	34,600	54,700	71,300	96,400	118,000	143,000	172,000	216,000
REGIONAL	34,400	54,900	71,200	88,700	106,000	126,000	130,000	160,000
WEIGHTED	34,600	54,800	71,300	90,700	108,000	128,000	134,000	164,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	12	15	19	27	34	42	52	65
REGIONAL	22	19	17	16	15	15	16	17
WEIGHTED	11	12	13	13	14	14	15	17

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 22

Graph of annual peak discharges is shown below.



## 02474740 Leaf River at Beaumont, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1900	unknown	34.00	150,000 f	1953	5/ 9/53	25.00	43,000
1941	3/10/41	22.00 a	28,500	1954	12/19/53	20.40	24,000
1942	3/26/42	21.90	28,800	1955	4/16/55	24.00	37,000
1943	3/23/43	29.69	87,000	1956	2/11/56	21.60	27,600
1944	4/30/44	25.40	46,000	1958	9/26/58	21.90	28,800
1945	4/27/45	16.80	16,300	1959	6/ 2/59	17.50	17,600
1946	5/18/46	21.50	27,400	1960	4/ 5/60	21.40	27,000
1947	1/24/47	24.30	39,000	1961	2/25/61	32.80	128,000
1948	3/ 9/48	27.20	61,000	1972	2/ 7/72	18.60	--
1949	4/ 5/49	26.80	58,000	1973	3/30/73	23.88	--
1950	2/19/50	26.60	56,000	1974	4/ 0/74	32.65	125,000 f
1951	4/ 1/51	25.60	48,000	1975	5/11/75	24.09	--
1952	3/ 5/52	17.30	17,300	1976	4/ 4/76	25.10	--

HISTORICAL DATA: The 1961 and 1974 peaks are the highest known since 1900.

a Gage height at different site and (or) datum.

f Discharge is an historical peak.

# 02475000 Leaf River near McLain, MS

## LOCATION:

Lat 31°06'10", long 88°48'30", SE 1/4 sec.29, T.2 N., R.8 W., St. Stephens Meridian, Greene County, Hydrologic Unit 03170005, on downstream side of right main pier of bridge on U.S. Highway 98, 1.2 mi east of McLain, 1.8 mi downstream from Atkinson Creek, 5.5 mi upstream from Big Oktibee Creek, and 14.6 mi upstream from confluence with Chickasawhay River (forming the Pascagoula River).

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 42.15 ft above sea level. Prior to Sept. 8, 1940, nonrecording gage at same site and datum.

DRAINAGE AREA: 3,500 mi<sup>2</sup>      SLOPE: 1.9 ft/mi      LENGTH: 169 mi

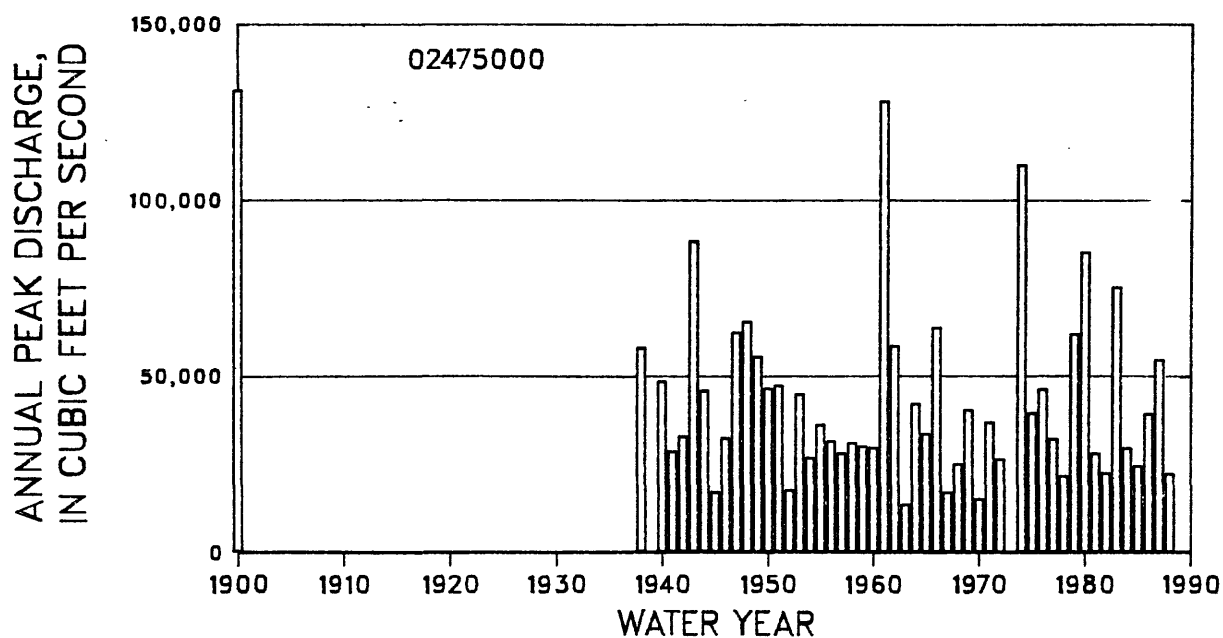
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN      4.577  
    STANDARD DEVIATION      0.226  
    SKEW      0.345

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	36,700	57,900	74,700	99,500	121,000	144,000	170,000	210,000
REGIONAL	36,900	58,000	75,000	93,100	112,000	132,000	136,000	168,000
WEIGHTED	36,700	57,900	74,800	96,200	115,000	135,000	143,000	176,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	8	9	12	16	20	25	30	37
REGIONAL	22	19	17	16	15	15	16	17
WEIGHTED	8	8	10	11	12	13	14	16

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 50

Graph of annual peak discharges is shown below.



## 02475000 Leaf River near McLain, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1900	4/ /00	31.80	131,000 f	1963	1/23/63	14.78	13,500
1938	4/ /38	25.50	58,000 f	1964	4/13/64	23.24	42,100
1940	7/14/40	24.10	48,400	1965	2/20/65	21.70	33,500
1941	3/11/41	21.16	28,600	1966	2/18/66	26.17	63,800
1942	3/27/42	21.31	32,800	1967	5/ 8/67	16.02	17,000
1943	3/24/43	27.76	88,300	1968	12/20/67	19.67	25,000
1944	4/30/44	23.86	45,800	1969	4/19/69	22.94	40,300
1945	3/26/45	16.46	17,000	1970	3/ 5/70	14.44	15,100
1946	5/18/46	21.08	32,400	1971	3/ 6/71	22.35	36,800
1947	1/24/47	25.20	62,400	1972	12/13/71	20.09	26,400
1948	3/ 9/48	25.74	65,500	1974	4/18/74	30.38	110,000
1949	11/28/48	24.68	55,500	1975	5/11/75	22.79	39,400
1950	2/19/50	23.69	46,500	1976	4/ 4/76	23.88	46,200
1951	4/ 2/51	23.76	47,300	1977	4/26/77	21.42	32,100
1952	3/ 6/52	16.43	17,600	1978	5/11/78	18.05	21,600
1953	5/ 9/53	23.46	44,900	1979	4/ 6/79	25.75	61,900
1954	12/14/53	20.16	26,800	1980	4/17/80	28.16	85,100
1955	4/17/55	22.25	36,200	1981	2/12/81	20.51	28,000
1956	2/11/56	21.28	31,500	1982	2/ 4/82	18.50	22,500
1957	9/20/57	20.53	28,000	1983	4/10/83	27.34	75,200
1958	9/26/58	21.25	31,000	1984	1/ 1/84	21.00	29,500
1959	6/ 2/59	21.00	30,000	1985	3/ 2/85	19.39	24,500
1960	4/ 6/60	20.90	29,600	1986	11/ 1/85	22.65	39,200
1961	2/26/61	31.64	128,000	1987	3/ 4/87	25.05	54,600
1962	12/21/61	25.56	58,500	1988	4/ 5/88	18.38	22,300

HISTORICAL DATA: THE 1961 and 1974 peaks are the highest known since 1900.

f Discharge is an historical peak.

# 02475050 Waterfall Branch near McLain, MS

## LOCATION:

Lat 31°07'08", long 88°45'28", SW 1/4 NE 1/4 SE 1/4 sec.23, T.2 N., R.8 W., St. Stephens Meridian, Greene County, Hydrologic Unit 03170005, at culvert on State Highway 57, and 4.2 mi east of McLain.

## GAGE:

Crest-stage gage. Elevation of gage is about 100 ft above sea level (from topographic map). From May 25, 1965, to Sept. 30, 1971, water-stage and rain-gage recorder at site also.

DRAINAGE AREA: 0.65 mi<sup>2</sup> SLOPE: 73.3 ft/mi LENGTH: 1.0 mi

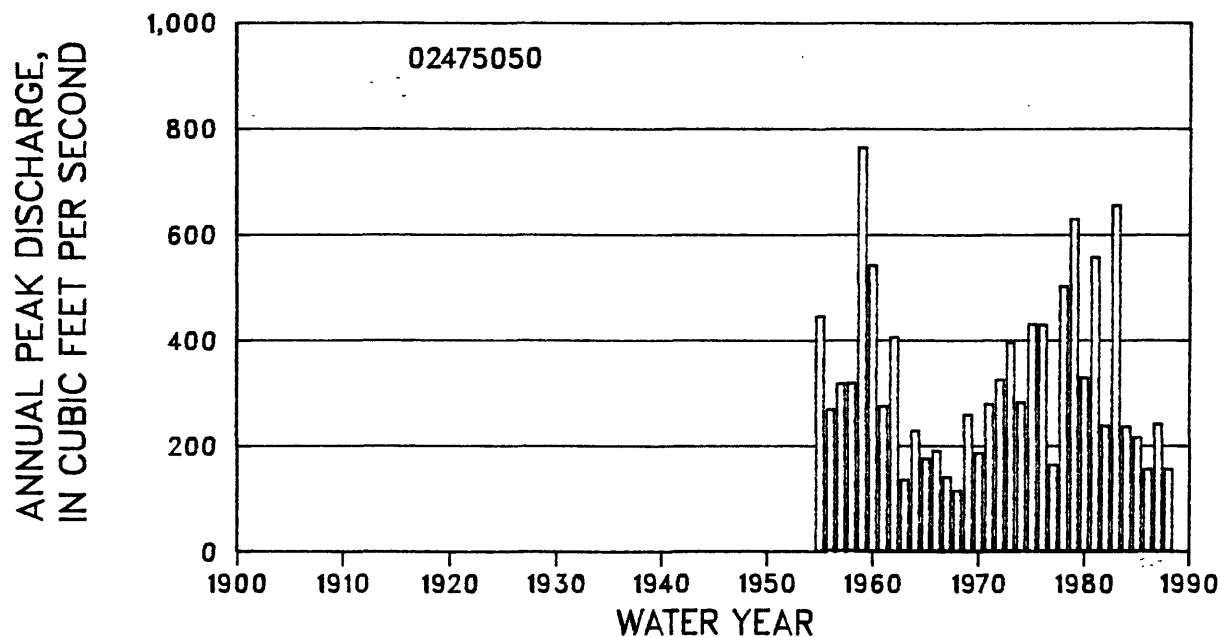
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.457  
STANDARD DEVIATION 0.215  
SKEW 0.253

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	280	431	546	710	845	992	1,150	1,390
REGIONAL	238	382	492	615	721	796	913	1,010
WEIGHTED	277	424	534	679	796	901	1,030	1,180

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	11	13	18	22	27	32	40
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	9	10	12	15	17	20	23	27

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 34

Graph of annual peak discharges is shown below.



## 02475050 Waterfall Branch near McLain, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	4/12/55	8.73	445	1972	5/ 2/72	7.40	324
1956	7/ 8/56	6.68	268	1973	3/24/73	8.19	395
1957	9/18/57	7.26	317	1974	4/13/74	6.86	281
1958	9/22/58	7.28	318	1975	5/ 7/75	8.58	430
1959	6/ 1/59	11.71	764	1976	10/ 1/75	8.57	429
1960	5/ 7/60	9.65	541	1977	1/14/77	5.28	163
1961	2/20/61	6.76	274	1978	6/ 8/78	9.32	502
1962	11/14/61	8.26	405	1979	9/13/79	10.49	629
1963	1/20/63	4.85	135	1980	4/12/80	7.44	328
1964	3/ 2/64	6.18	228	1981	2/11/81	9.84	557
1965	1/22/65	5.46	175	1982	2/ 2/82	6.31	237
1966	2/10/66	5.67	190	1983	4/ 6/83	10.73	655
1967	12/28/66	4.96	140	1984	2/27/84	6.30	236
1968	12/ 9/67	4.56	114	1985	9/23/85	6.01	215
1969	4/13/69	6.57	258	1986	10/29/85	5.18	155
1970	3/ 3/70	5.62	186	1987	6/14/87	6.38	240
1971	10/10/70	6.82	278	1988	4/ 2/88	5.18	155

02475220 Little Rock Creek tributary near Little Rock, MS

LOCATION:

Lat 32°30'51", long 89°00'45", NW 1/4 sec.30, T.8 N., R.13 E., Choctaw Meridian, Newton County, Hydrologic Unit 03170002, at culvert on State Highway 494, and 1.2 mi southeast of Little Rock.

GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Sept. 30, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.22 mi<sup>2</sup> SLOPE:170 ft/mi LENGTH: 0.7 mi

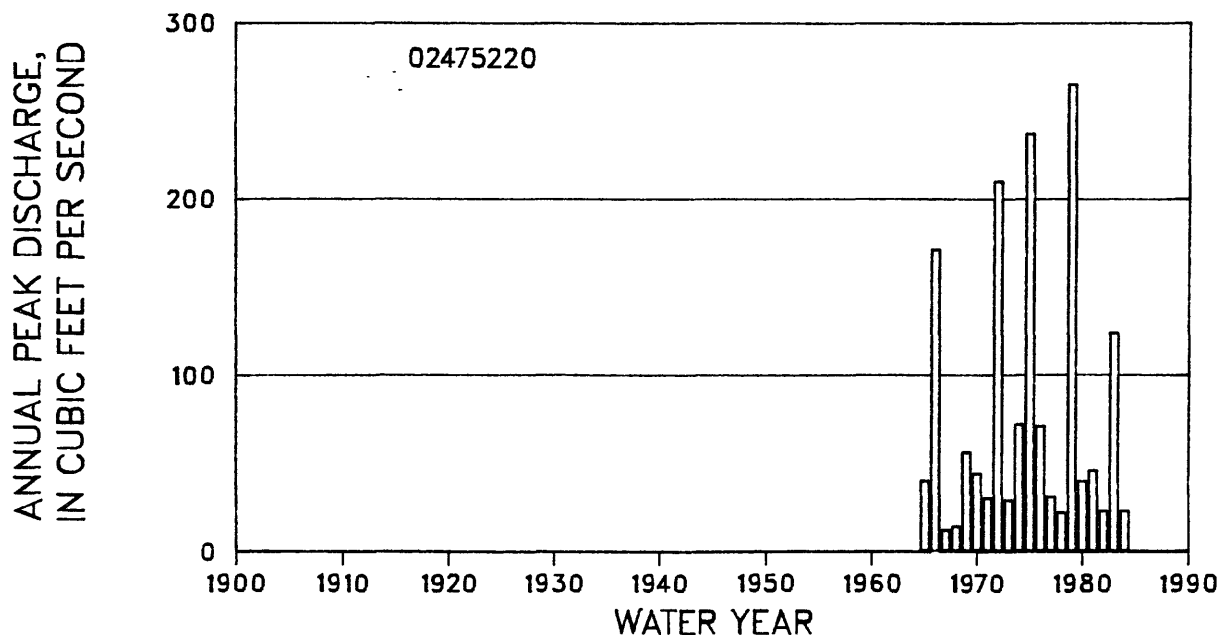
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 1.707  
STANDARD DEVIATION 0.402  
SKEW 0.305

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	49	109	171	283	396	539	721	1,030
REGIONAL	115	185	239	298	352	387	446	494
WEIGHTED	64	141	210	294	360	409	478	541

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	23	27	33	47	60	76	94	125
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	19	19	20	23	25	28	31	35

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 20

Graph of annual peak discharges is shown below.





## 02475220 Little Rock Creek tributary near Little Rock, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1965	2/10/65	3.51	40	1975	1/10/75	7.34	237
1966	5/13/66	6.24	171	1976	10/30/75	4.27	71
1967	3/27/67	2.60	12	1977	3/ 3/77	3.28	31
1968	12/ 9/67	2.65	14	1978	5/ 1/78	2.97	22
1969	4/13/69	3.91	56	1979	4/12/79	7.79	265
1970	5/ 2/70	3.61	44	1980	3/13/80	3.51	40
1971	5/12/71	3.22	30	1981	3/29/81	3.66	46
1972	1/ 9/72	6.88	210	1982	7/31/82	2.99	23
1973	3/30/73	3.19	29	1983	4/ 6/83	5.38	124
1974	4/13/74	4.29	72	1984	5/ 3/84	2.99	23

02475350 Tarlow Creek near Newton, MS

LOCATION:

Lat 32°17'26", long 89°08'00", W 1/2 sec.11, T.5 N., R.11 E., Choctaw Meridian, Newton County, Hydrologic Unit 03170001, at bridge on State Highway 15, and 1.2 mi south of Newton.

GAGE:

Crest-stage gage. Datum of gage is 347.25 ft above sea level.

DRAINAGE AREA: 16.1 mi<sup>2</sup> SLOPE: 12.5 ft/mi LENGTH: 7.0 mi

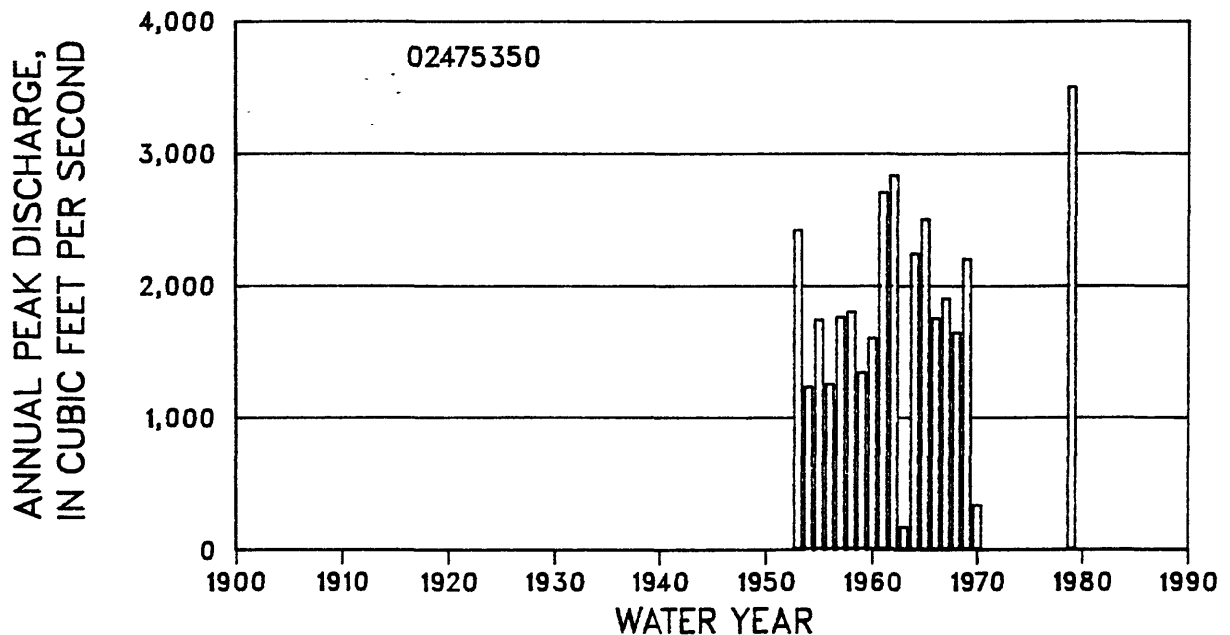
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.262  
STANDARD DEVIATION 0.135  
SKEW 0.099

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	1,820	2,370	2,730	3,190	3,520	3,860	4,190	4,650
REGIONAL	1,500	2,530	3,310	4,230	4,970	5,600	6,420	7,280
WEIGHTED	1,800	2,390	2,800	3,380	3,850	4,330	4,850	5,520

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	8	9	10	14	17	20	24	29
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	8	8	10	12	14	17	19	23

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 19

Graph of annual peak discharges is shown below.



## 02475350 Tarlow Creek near Newton, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1953	4/29/53	18.08	2,420	1963	1/20/63	15.17	165
1954	4/16/54	17.09	1,230	1964	4/ 6/64	17.95	2,240
1955	4/12/55	17.54	1,740	1965	10/ 5/64	18.13	2,500
1956	3/16/56	17.10	1,250	1966	2/11/66	17.53	1,750
1957	9/27/57	17.56	1,760	1967	5/ 4/67	17.73	1,900
1958	11/14/57	17.59	1,800	1968	12/14/67	17.43	1,640
1959	1/21/59	17.19	1,340	1969	4/13/69	17.91	2,200
1960	5/ 7/60	17.42	1,600	1970	7/22/70	15.97	330
1961	3/31/61	18.29	2,700	1979	3/ 4/79	18.86	3,500 f
1962	3/31/62	18.38	2,830				

HISTORICAL DATA: The 1979 peak is the highest known since 1953.

f Discharge is an historical peak.

# 02475500 Chunky River near Chunky, MS

## LOCATION:

Lat 32°19'35", long 88°54'35", SE 1/4 SW 1/4 sec.30, T.6 N., R.14 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, on right bank at downstream side of bridge on U.S. Highway 80, 0.5 mi upstream from Illinois Central and Gulf Railroad bridge, 1.2 mi east of Chunky, 3.2 mi upstream from Tallahatta Creek, and 5.5 mi downstream from Concobona Creek.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 269.00 ft above sea level. Prior to Mar. 24, 1939, nonrecording gage.

DRAINAGE AREA: 369 mi<sup>2</sup>      SLOPE: 5.3 ft/mi      LENGTH: 39.8 mi

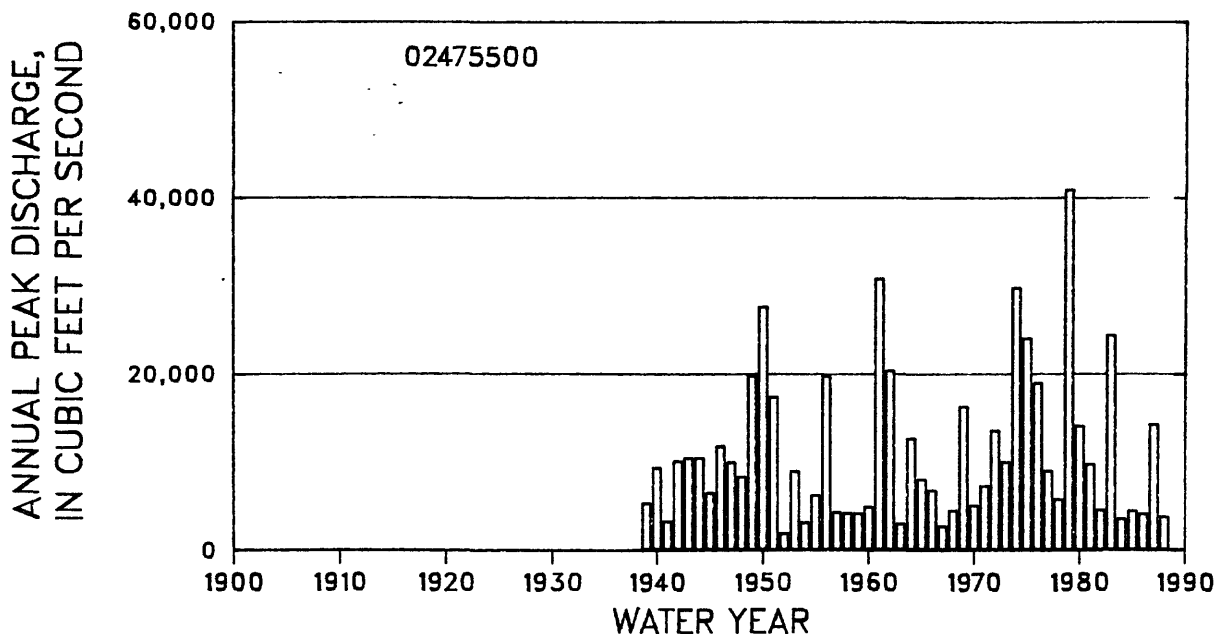
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN      3.934  
    STANDARD DEVIATION      0.321  
    SKEW      0.158

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	8,420	15,900	22,400	32,600	41,800	52,300	64,500	83,300
REGIONAL	9,920	18,000	24,300	31,900	37,800	43,300	50,200	57,900
WEIGHTED	8,570	16,300	22,900	32,300	40,000	47,500	56,200	67,200

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	11	13	15	21	26	31	37	46
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	11	12	13	16	19	22	25	29

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 50

Graph of annual peak discharges is shown below.



## 02475500 Chunky River near Chunky, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1939	3/31/39	13.03	5,300	1964	4/ 7/64	21.37	12,700
1940	5/ 2/40	17.74	9,350	1965	2/13/65	16.47	8,040
1941	3/ 9/41	9.83	3,220	1966	2/17/66	15.00	6,800
1942	3/22/42	18.45	10,100	1967	5/ 6/67	8.71	2,680
1943	3/22/43	18.82	10,500	1968	12/17/67	11.63	4,470
1944	3/30/44	19.20	10,500	1969	4/15/69	22.76	16,300
1945	3/17/45	14.64	6,480	1970	5/ 4/70	12.62	5,040
1946	2/11/46	20.49	11,800	1971	5/14/71	15.60	7,280
1947	1/21/47	18.55	9,960	1972	12/ 8/71	21.79	13,600
1948	3/ 4/48	16.80	8,340	1973	4/ 1/73	18.70	10,000
1949	11/29/48	23.73	19,800	1974	4/13/74	25.45	29,800
1950	1/ 7/50	25.08	27,600	1975	1/11/75	24.48	24,000
1951	3/30/51	23.08	17,400	1976	3/31/76	23.50	19,000
1952	4/14/52	7.44	1,850	1977	4/ 6/77	17.43	9,000
1953	5/ 1/53	17.49	8,970	1978	10/27/77	13.83	5,760
1954	3/30/54	9.61	3,130	1979	3/ 4/79	26.64	40,900
1955	4/15/55	14.27	6,240	1980	4/14/80	22.04	14,100
1956	3/16/56	23.68	19,800	1981	4/ 2/81	18.07	9,760
1957	4/ 6/57	11.41	4,270	1982	2/18/82	11.62	4,540
1958	11/21/57	11.30	4,200	1983	3/ 6/83	24.60	24,400
1959	1/23/59	11.24	4,140	1984	3/ 7/84	10.14	3,550
1960	5/ 8/60	12.30	4,890	1985	2/ 7/85	11.07	4,440
1961	2/22/61	25.58	30,800	1986	11/ 2/85	10.97	4,100
1962	12/18/61	23.78	20,400	1987	1/19/87	22.10	14,300
1963	1/21/63	9.20	2,970	1988	4/ 4/88	10.51	3,760

# 02475700 Chunky Creek near Enterprise, MS

## LOCATION:

Lat 32°11'29", long 88°49'30", NE 1/4 sec.13, T.14 N., R.14 E., Choctaw Meridian, Clarke County, Hydrologic Unit 03170001, at bridge on U.S. Highway 11, 1.0 mi upstream from confluence with Okatibbee Creek, and 1.0 mi north of Enterprise.

## GAGE:

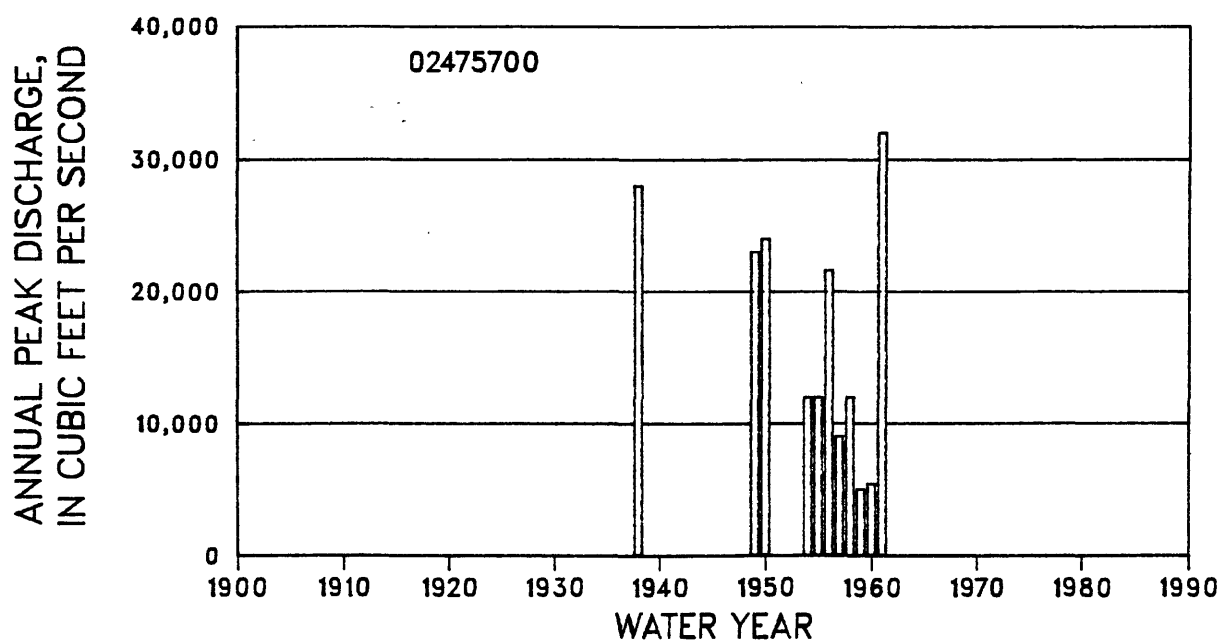
Crest-stage gage. Datum of gage is 218.73 ft above sea level.

DRAINAGE AREA: 512 mi<sup>2</sup> SLOPE: 4.3 ft/mi LENGTH: 53.3 mi

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
REGIONAL	11,600	21,100	28,600	37,600	44,600	51,200	59,400	68,700
WEIGHTED-TRANSFER	11,100	20,600	28,300	38,300	46,200	53,800	63,000	73,900
T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED-TRANSFER	--	--	--	--	--	--	--	--

NOTE: The period of record is insufficient for station flood-frequency analysis; therefore, only regional flood-frequency discharges are presented in this report. For an improved estimate, the weighted flood-frequency discharge at Station 02475500 was transferred to this site and weighted with the regional estimate at this site using the technique described by Landers and Wilson (1991). No estimate of the standard error for this weighted-transfer discharge is presented, but is probably slightly smaller than the estimates shown for the regional.

Graph of annual peak discharges is shown below.



02475700 Chunky Creek near Enterprise, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1938	4/ /38	32.37	28,000 f	1957	4/ 6/57	20.00	9,000
1949	11/ /48	30.37	23,000 f	1958	unknown	--	12,000 h
1950	1/ 7/50	30.60	24,000 f	1959	1/24/59	14.40	5,000
1954	unknown	--	12,000 h	1960	4/ 5/60	15.18	5,400
1955	unknown	--	12,000 h	1961	2/22/61	34.00	32,000
1956	3/17/56	29.65	21,600				

f Discharge is an historical peak.

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

02476000 Okatibbee Creek near Meridian, MS

LOCATION:

Lat 32°21'10", long 88°45'24", NW 1/4 sec.22, T.6 N., R.15 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, near right bank on downstream side of bridge on Old U.S. Highway 80, 0.5 mi upstream from Illinois Central Railroad bridge, 0.6 mi west from Meridian city limits, 2.0 mi downstream from Loper Creek, 4.0 mi upstream from Sowashee Creek, and 16.2 mi downstream from Okatibbee Lake (completed Nov. 26, 1968).

GAGE:

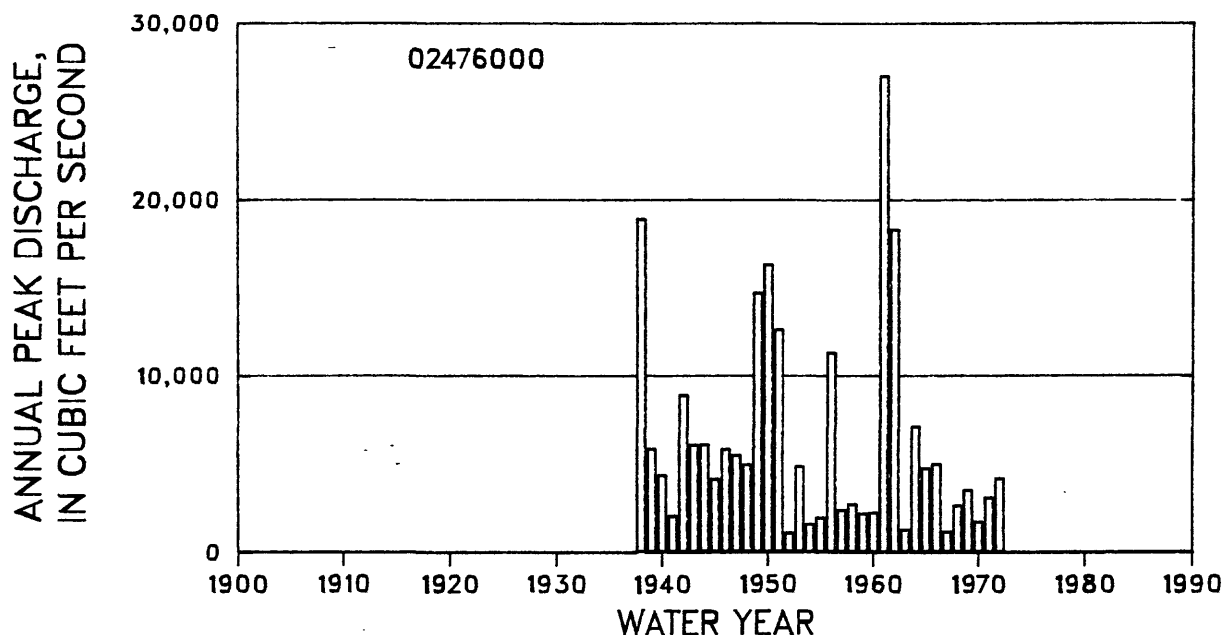
Continuous-discharge gage, water-stage recorder. Datum of gage is 269.43 ft above sea level. Prior to Jan. 7, 1939, nonrecording gage; from Jan. 7, 1939, to Aug. 28, 1958, water-stage recorder; from Aug. 29, 1958, to June 13, 1961, crest-stage gage.

DRAINAGE AREA: 235 mi<sup>2</sup>      SLOPE: 3.5 ft/mi      LENGTH: 46.1 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:	MEAN	3.680
	STANDARD DEVIATION	0.380
	SKEW	0.163

NOTE: The discharges are affected by regulation. Statistics of logarithms of annual peak discharge are for natural conditions. The post-regulation period of record is insufficient for flood-frequency analysis.

Graph of annual peak discharges is shown below.





## 02476000 Okatibbee Creek near Meridian, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1938	4/ /38	25.30	18,900	1956	4/ 7/56	24.08	11,300
1939	3/30/39	22.81	5,850	1957	4/ 5/57	16.97	2,390
1940	5/ 3/40	22.33	4,350	1958	5/ 2/58	17.64	2,720
1941	12/14/40	20.54	2,040	1959	6/11/59	16.47	2,190
1942	3/21/42	23.59	8,890	1960	3/ 3/60	15.40	2,240
1943	3/22/43	23.02	6,060	1961	2/22/61	26.14	27,000
1944	3/30/44	22.89	6,090	1962	12/18/61	25.23	18,300
1945	2/15/45	21.04	4,140	1963	1/20/63	11.18	1,260
1946	2/11/46	22.87	5,820	1964	4/ 6/64	22.20	7,120
1947	1/20/47	22.70	5,490	1965	2/13/65	19.09	4,750
1948	3/ 7/48	22.31	4,950	1966	2/16/66	19.49	4,990
1949	11/29/48	24.63	14,700	1967	5/ 4/67	9.61	1,150
1950	1/ 7/50	24.85	16,300	1968	12/16/67	14.09	2,640
1951	3/30/51	24.30	12,600	1969	4/19/69	16.26	3,530 k
1952	4/15/52	13.82	1,080	1970	3/20/70	11.53	1,730 k
1953	5/ 2/53	21.74	4,850	1971	5/13/71	15.69	3,090 k
1954	3/31/54	14.72	1,580	1972	1/10/72	17.95	4,180 k
1955	4/16/55	15.91	1,960				

k Discharge affected by regulation.

# 02476500 Sowashee Creek at Meridian, MS

## LOCATION:

Lat 33°22'08", long 88°40'35", NE 1/4 sec.17, T.6 N., R.16 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, on right bank on upstream side of bridge on U.S. Highway 45, 0.6 mi downstream from Southern Railway System bridge, and 9.5 mi upstream from mouth.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 305.95 ft above sea level. Prior to Nov. 13, 1959, at datum 3.00 ft higher. The stage for the 1936 water year was at site 0.5 mi upstream and from 1938 to Nov. 13, 1959, at site 0.4 mi upstream.

DRAINAGE AREA: 52.1 mi<sup>2</sup>      SLOPE: 8.6 ft/mi      LENGTH: 10.6 mi

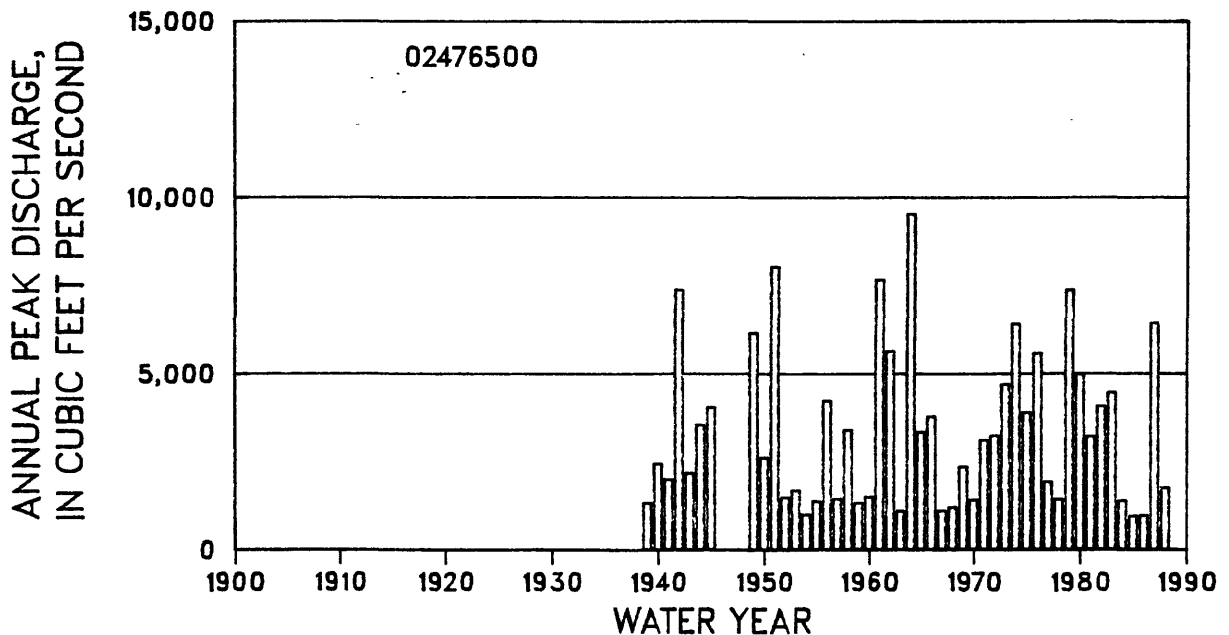
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN      3.437  
    STANDARD DEVIATION      0.294  
    SKEW      0.128

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	2,700	4,820	6,580	9,220	11,500	14,100	17,000	21,400
REGIONAL	3,320	5,720	7,550	9,680	11,400	12,900	14,800	16,800
WEIGHTED	2,750	4,960	6,800	9,380	11,400	13,500	15,800	18,700

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	11	12	14	19	24	29	34	42
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	10	11	13	16	18	21	24	28

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 47

Graph of annual peak discharges is shown below.



## 02476500 Sowashee Creek at Meridian, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1936	2/ /36	26.50 a	--	1965	12/11/64	15.30	3,340
1938	4/ 8/38	23.00 a	--	1966	2/16/66	16.04	3,780
1939	2/28/39	13.10 a	1,320	1967	5/ 4/67	7.91	1,100
1940	7/ 9/40	15.00 a	2,430	1968	4/ 5/68	8.34	1,190
1941	3/ 7/41	14.50 a	1,980	1969	3/24/69	13.47	2,340
1942	3/21/42	19.60 a	7,380	1970	3/20/70	11.49	1,400
1943	3/21/43	14.70 a	2,160	1971	7/31/71	17.16	3,100
1944	3/23/44	16.20 a	3,540	1972	1/10/72	17.38	3,230
1945	4/29/45	16.70 a	4,040	1973	3/31/73	19.58	4,690
1949	3/31/49	18.60 a	6,160	1974	4/13/74	21.52	6,420
1950	3/ 2/50	15.17 a	2,610	1975	12/24/74	18.44	3,890
1951	3/28/51	23.09 a	8,030	1976	3/31/76	20.64	5,580
1952	5/19/52	13.70 a	1,480	1977	3/ 4/77	14.05	1,910
1953	2/24/53	14.06 a	1,670	1978	10/25/77	11.58	1,420
1954	3/28/54	11.23 a	1,000	1979	3/ 4/79	22.98	7,380
1955	4/13/55	6.90 a	1,370	1980	4/13/80	20.32	4,980
1956	3/15/56	12.39 a	4,240	1981	3/30/81	17.34	3,200
1957	4/ 4/57	6.68 a	1,440	1982	8/ 1/82	18.58	4,070
1958	7/25/58	11.04 a	3,400	1983	4/14/83	19.20	4,460
1959	7/20/59	6.72 a	1,320	1984	5/ 4/84	11.84	1,380
1960	3/ 3/60	9.68 b	1,490	1985	2/25/85	--	950
1961	2/21/61	19.63	7,680	1986	3/13/86	9.19	968
1962	12/18/61	18.04	5,640	1987	1/18/87	21.54	6,440
1963	1/19/63	7.90	1,100	1988	4/24/88	13.91	1,740
1964	4/ 6/64	20.95	9,530				

HISTORICAL DATA: The 1936 peak is the highest known since 1900.

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

# 02476600 Okatibbee Creek at Arundel, MS

## LOCATION:

Lat 32°17'55", long 88°45'15", SE 1/4 SW 1/4 sec.3, T.5 N., R.15 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, on right bank, 100 ft downstream from Hognose Creek, 400 ft upstream from bridge on county road, 21.3 mi downstream from Okatibbee Lake (completed Nov. 1968), 0.6 mi southeast of Arundel, and at mi 16.3.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 259.04 ft above sea level. Prior to April 17, 1975, supplementary water-stage recorder at bridge 400 ft downstream at same datum.

DRAINAGE AREA: 342 mi<sup>2</sup> SLOPE: 3.5 ft/mi LENGTH: 51.3 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.749  
STANDARD DEVIATION 0.269  
SKEW 0.300

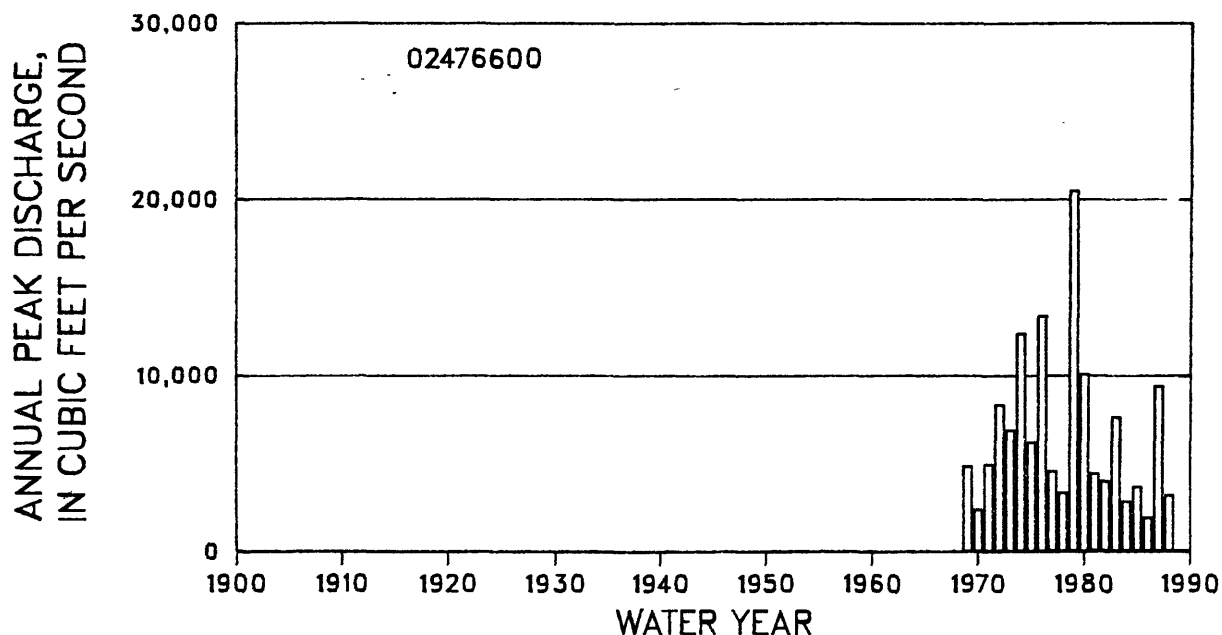
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	5,430	9,330	12,600	17,600	22,000	27,100	32,900	41,800

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	15	18	22	30	38	47	57	72

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 20

NOTE: The discharges are affected by regulation. The statistics of logarithms of annual peak discharge and flood-frequency discharges are for current conditions. The discharges are unweighted station estimates, which may be more uncertain than is indicated by the standard error of estimate.

Graph of annual peak discharges is shown below.



## 02476600 Okatibbee Creek at Arundel, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1961	2/ /61	22.20	--	1979	4/13/79	21.51	20,500 k
1969	4/14/69	16.98	4,870 k	1980	4/13/80	19.45	10,100 k
1970	3/21/70	14.17	2,390 k	1981	3/31/81	17.25	4,460 k
1971	2/22/71	17.44	4,960 k	1982	8/ 1/82	16.74	4,020 k
1972	1/11/72	18.76	8,350 k	1983	4/14/83	18.79	7,650 k
1973	4/ 1/73	18.26	6,900 k	1984	5/ 4/84	15.01	2,860 k
1974	12/26/73	19.64	12,400 k	1985	2/26/85	16.44	3,700 k
1975	2/17/75	17.64	6,220 k	1986	3/13/86	11.86	1,930 k
1976	3/31/76	19.25	13,400 k	1987	1/18/87	19.39	9,400 k
1977	4/22/77	16.71	4,600 k	1988	4/24/88	15.89	3,230 k
1978	1/26/78	15.46	3,360 k				

k Discharge affected by regulation.

# 02477000 Chickasawhay River at Enterprise, MS

## LOCATION:

Lat 32°10'32", long 88°49'10", SE 1/4 NW 1/4 sec.24, T.4 N., R.14 E., Choctaw Meridian, Clarke County, Hydrologic Unit 03170002, on right bank at downstream side of bridge on State Highway 513 in Enterprise, 0.5 mi downstream from confluence of Chunky River and Okatibbee Creek, and at mi 158.2.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 207.62 ft above sea level. Prior to Jan. 6, 1939, National Weather Service nonrecording gage. Prior to Oct. 1, 1966, at datum 5.00 ft higher.

DRAINAGE AREA: 918 mi<sup>2</sup>      SLOPE: 4.4 ft/mi      LENGTH: 58.0 mi

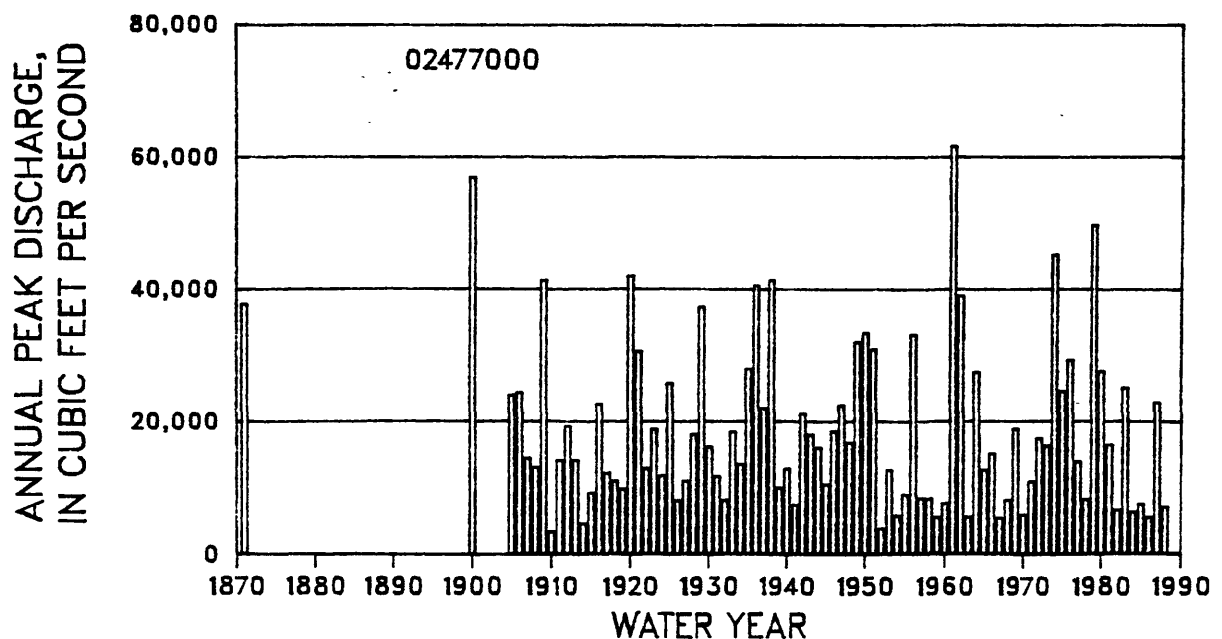
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN      4.179  
    STANDARD DEVIATION      0.285  
    SKEW      0.011

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	15,100	26,200	35,000	47,700	58,300	69,900	82,400	101,000
REGIONAL	19,800	35,000	47,200	61,400	75,100	90,500	96,400	121,000
WEIGHTED	15,500	27,500	37,700	52,800	66,600	82,000	91,500	115,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	8	8	10	13	16	19	22	27
REGIONAL	22	19	17	16	15	15	16	17
WEIGHTED	7	8	8	10	11	12	13	15

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 86

Graph of annual peak discharges is shown below.



## 02477000 Chickasawhay River at Enterprise, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1871	unknown	34.00 a	37,800 f	1946	2/12/46	26.80 a	18,600
1900	4/ 0/00	37.20 a	57,000 f	1947	1/21/47	27.98 a	22,500
1905	2/10/05	28.80 a	24,000	1948	3/ 7/48	25.45 a	16,900
1906	3/21/06	29.00 a	24,400	1949	11/30/48	32.46 a	32,100
1907	3/ 3/07	24.00 a	14,500	1950	1/ 8/50	33.10 a	33,500
1908	2/16/08	23.10 a	13,100	1951	3/30/51	32.02 a	31,000
1909	5/27/09	36.00 a	41,400	1952	12/21/51	11.37 a	3,930
1910	4/19/10	10.30 a	3,450	1953	5/ 2/53	22.94 a	12,800
1911	1/ 4/11	23.80 a	14,200	1954	3/29/54	15.36 a	5,840
1912	3/30/12	26.60 a	19,300	1955	4/15/55	19.66 a	9,000
1913	3/16/13	23.80 a	14,200	1956	3/17/56	33.00 a	33,200
1914	4/ 3/14	13.00 a	4,650	1957	4/ 6/57	18.59 a	8,460
1915	2/ 3/15	20.00 a	9,300	1958	3/ 9/58	19.11 a	8,400
1916	7/ 9/16	28.20 a	22,700	1959	1/24/59	15.40 a	5,590
1917	3/ 6/17	22.50 a	12,300	1960	5/ 8/60	18.17 a	7,660
1918	5/ 1/18	21.60 a	11,100	1961	2/23/61	37.94 a	61,700
1919	6/ 4/19	20.60 a	9,900	1962	12/19/61	33.78 a	39,100
1920	12/10/19	36.20 a	42,000	1963	1/21/63	15.54 a	5,620
1921	4/18/21	31.80 a	30,600	1964	4/ 8/64	30.70 a	27,500
1922	3/ 3/22	23.00 a	13,000	1965	2/14/65	23.68 a	12,700
1923	3/25/23	26.40 a	18,900	1966	2/17/66	25.42 a	15,200
1924	2/28/24	22.20 a	11,900	1967	5/ 5/67	19.36 b	5,480
1925	1/19/25	29.60 a	25,800	1968	12/16/67	24.21	8,210
1926	1/ 6/26	18.80 a	8,140	1969	4/15/69	32.45	18,900
1927	2/15/27	21.60 a	11,100	1970	3/20/70	21.19	5,960
1928	4/25/28	26.00 a	18,100	1971	5/14/71	27.01	11,000
1929	3/16/29	34.50 a	37,400	1972	1/12/72	31.26	17,500
1930	11/16/29	25.00 a	16,200	1973	4/ 2/73	30.38	16,400
1931	7/29/31	22.10 a	11,800	1974	4/14/74	40.25	45,300
1932	1/ 8/32	18.90 a	8,220	1975	1/12/75	35.03	24,600
1933	12/29/32	26.20 a	18,500	1976	4/ 1/76	37.09	29,300
1934	3/ 7/34	23.40 a	13,600	1977	3/ 7/77	28.42	14,000
1935	3/ 8/35	30.60 a	28,000	1978	10/27/77	23.60	8,340
1936	2/ 5/36	35.70 a	40,600	1979	4/14/79	41.90	49,800
1937	1/21/37	27.90 a	22,000	1980	4/15/80	35.51	27,600
1938	4/ 8/38	36.00 a	41,400	1981	4/ 2/81	29.54	16,500
1939	3/31/39	20.90 ad	10,100	1982	2/17/82	21.27	6,730
1940	5/ 3/40	22.60 a	13,000	1983	3/ 7/83	34.27	25,100
1941	12/15/40	14.99 ad	7,510	1984	3/ 6/84	20.72	6,380
1942	3/22/42	27.32 a	21,300	1985	2/26/85	22.45	7,550
1943	3/23/43	25.58 a	18,100	1986	11/ 1/85	19.21	5,590
1944	4/28/44	26.46 a	16,100	1987	1/20/87	33.23	22,900
1945	4/30/45	21.17 a	10,600	1988	4/ 2/88	20.96	7,140

HISTORICAL DATA: The 1900 peak is the highest known since 1871 and the 1961 peak is the highest known since 1900.

- a Gage height at different site and (or) datum.
- b Gage datum changed during the water year.
- d Gage height not the maximum for the water year.
- f Discharge is an historical peak.

02477050 Souenlovie Creek near Baxter, MS

LOCATION:

Lat 32°13'10", long 89°09'30", NE 1/4 sec.3, T.4 N., R.11 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170002, at culvert on State Highway 15, and 2.6 mi north of Baxter.

GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Sept. 30, 1971, water-stage and rain-gage recorder also.

DRAINAGE AREA: 1.14 mi<sup>2</sup> SLOPE: 46.5 ft/mi LENGTH: 1.7 mi

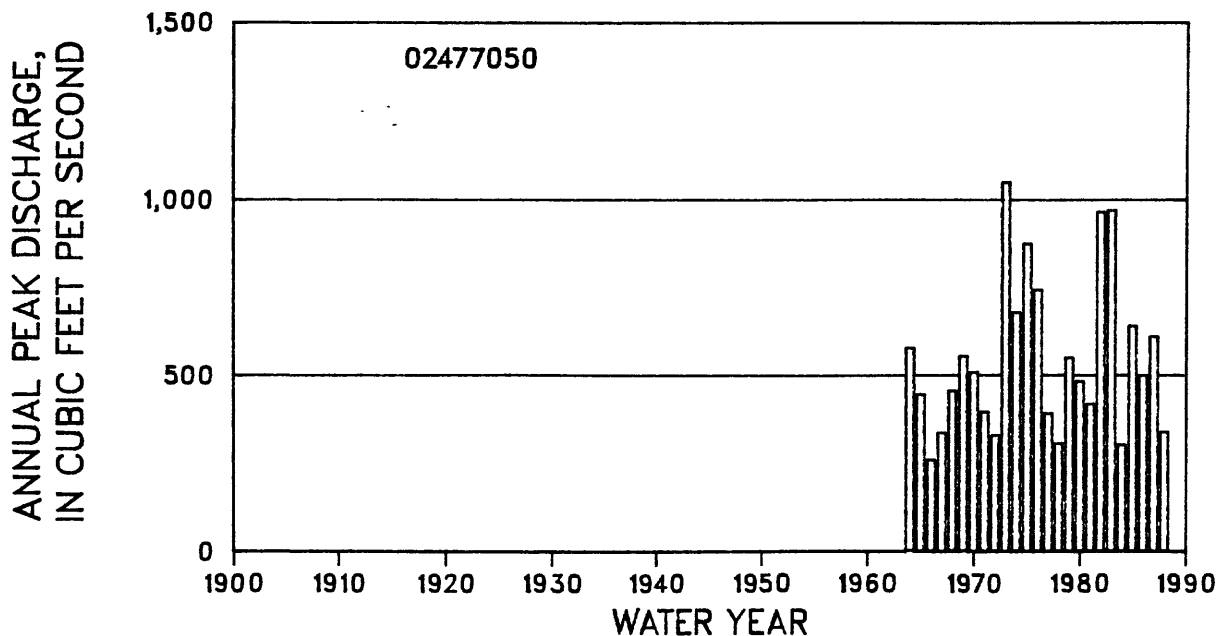
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.706  
STANDARD DEVIATION 0.170  
SKEW 0.231

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	500	703	846	1,040	1,190	1,350	1,520	1,750
REGIONAL	305	493	636	799	937	1,040	1,190	1,330
WEIGHTED	485	674	804	968	1,100	1,220	1,370	1,540

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	10	12	16	20	24	29	36
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	8	9	11	14	16	19	22	25

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 25

Graph of annual peak discharges is shown below.





## 02477050 Souenlovie Creek near Baxter, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1964	4/ 5/64	9.29	577	1977	9/ 6/77	7.64	392
1965	2/12/65	8.13	446	1978	10/25/77	6.80	307
1966	2/16/66	6.30	260	1979	4/12/79	9.07	550
1967	8/ 2/67	7.10	337	1980	5/17/80	8.46	483
1968	12/14/67	8.23	457	1981	3/29/81	7.88	419
1969	4/13/69	9.10	554	1982	7/31/82	12.03	965
1970	8/15/70	8.70	509	1983	4/ 6/83	12.06	970
1971	2/21/71	7.67	396	1984	11/20/83	6.76	303
1972	12/ 6/71	7.02	329	1985	12/ 3/84	9.97	640
1973	4/18/73	12.56	1,050	1986	5/18/86	8.64	500
1974	4/12/74	10.13	678	1987	11/25/86	9.74	610
1975	8/ 6/75	11.47	875	1988	9/ 4/88	7.13	340
1976	3/30/76	10.59	743				

02477090 Powers Creek near Rose Hill, MS

LOCATION:

Lat 30°07'06", long 89°02'14", NE 1/4 sec.11, T.3 N., R.12 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170002, at culvert on State Highway 18, and 3.0 mi southwest of Rose Hill.

GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Sept. 20, 1971, water-stage and rain-gage recorder.

DRAINAGE AREA: 0.45 mi<sup>2</sup> SLOPE:107 ft/mi LENGTH: 1.1 mi

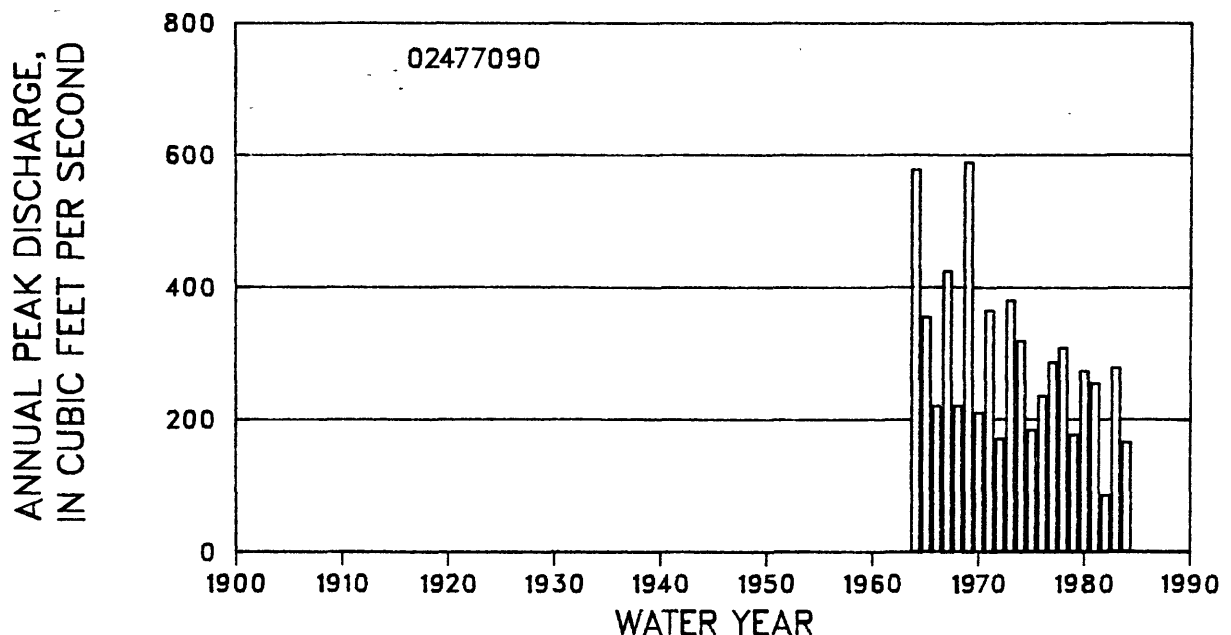
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.436  
STANDARD DEVIATION 0.168  
SKEW 0.307

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	268	375	452	557	641	730	823	957
REGIONAL	172	279	361	453	534	590	680	756
WEIGHTED	260	360	431	521	596	663	748	842

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	11	13	18	23	28	33	41
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	9	10	12	15	18	21	23	27

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 21

Graph of annual peak discharges is shown below.



## 02477090 Powers Creek near Rose Hill, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1964	4/ 5/64	9.12	578	1975	7/ 2/75	5.28	184
1965	11/25/64	7.09	355	1976	3/30/76	5.85	236
1966	5/19/66	5.69	221	1977	3/ 3/77	6.41	287
1967	11/11/66	7.72	424	1978	1/25/78	6.63	309
1968	12/14/67	5.69	221	1979	3/ 4/79	5.19	177
1969	4/13/69	10.15	589	1980	3/28/80	6.28	274
1970	3/14/70	5.57	210	1981	3/29/81	6.07	255
1971	2/21/71	7.18	365	1982	4/20/82	3.94	86
1972	1/10/72	5.11	171	1983	2/ 1/83	6.33	279
1973	4/18/73	7.32	380	1984	2/12/84	5.05	166
1974	4/12/74	6.73	319				

# 02477100 Souenlovie Creek near Pachuta, MS

## LOCATION:

Lat 32°03'48" long 88°52'30", NE 1/4 sec.32, T.3 N., R.14 E., Choctaw Meridian, Clarke County, Hydrologic Unit 03170002, at bridge on U.S. Highway 11, and 1.7 mi north of Pachuta.

## GAGE:

Crest-stage gage. Datum of gage is 200.00 ft above sea level.

DRAINAGE AREA: 174 mi<sup>2</sup> SLOPE: 4.6 ft/mi LENGTH: 35.1 mi

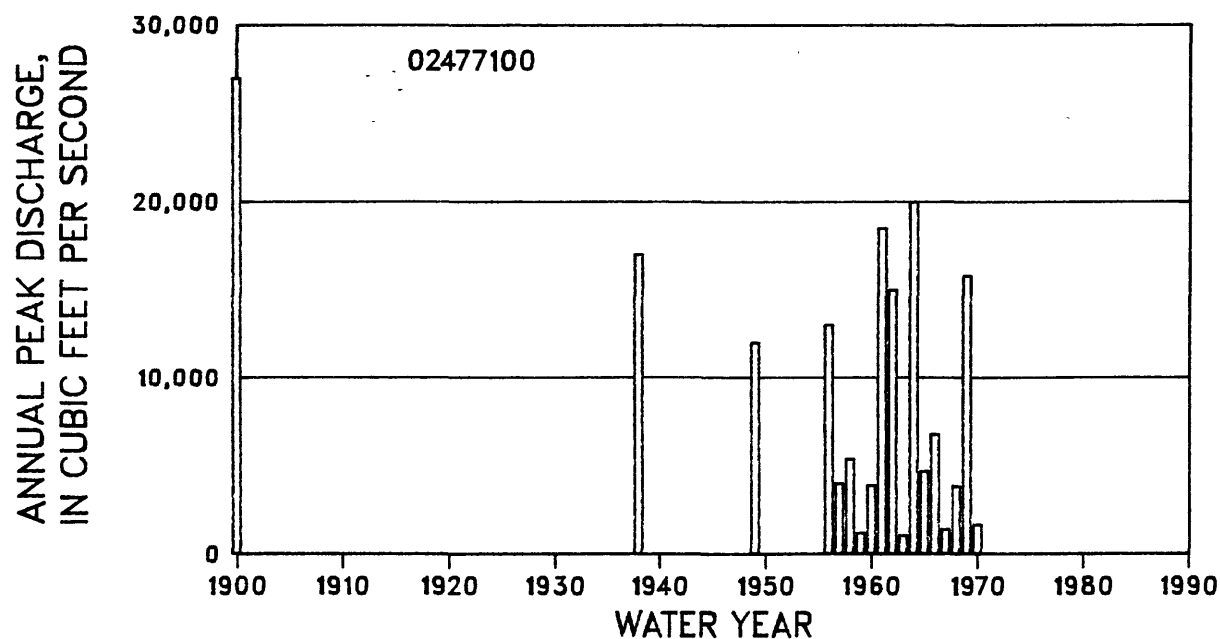
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.713  
STANDARD DEVIATION 0.437  
SKEW -0.015

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	5,180	12,100	18,800	30,000	40,600	53,200	68,200	92,100
REGIONAL	5,620	9,910	13,200	17,300	20,400	23,400	27,000	31,100
WEIGHTED	5,340	10,900	15,100	20,200	23,900	27,400	31,500	36,500

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	26	28	33	44	55	68	84	108
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	20	19	20	23	25	28	31	35

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 18

Graph of annual peak discharges is shown below.



## 02477100 Souenlovie Creek near Pachuta, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1900	4/ /00	59.00	27,000 f	1962	12/18/61	55.20	15,000
1938	4/ /38	56.20	17,000 f	1963	1/19/63	51.43	1,060
1949	11/ /48	55.00	12,000 f	1964	4/ 7/64	56.30	20,000
1956	3/17/56	54.86	13,000	1965	12/12/64	53.55	4,700
1957	9/29/57	52.96	4,000	1966	2/17/66	54.12	6,800
1958	3/ 8/58	53.32	5,400	1967	5/ 4/67	51.86	1,400
1959	5/23/59	51.67	1,200	1968	12/14/67	53.23	3,850
1960	4/ 5/60	52.93	3,900	1969	4/14/69	55.41	15,800
1961	2/22/61	55.66	18,500	1970	3/20/70	52.06	1,680

HISTORICAL DATA: The 1900 peak is the highest known.

f Discharge is an historical peak.

# 02477150 Pachuta Creek at Pachuta, MS

## LOCATION:

Lat 32°01'50", long 88°53'10", NE 1/4 sec.8, T.2 N., R.14 E., Choctaw Meridian, Clarke County, Hydrologic Unit 03170002, on U.S. Highway 11, and 0.5 mi south of Pachuta.

## GAGE:

Crest-stage gage. Datum of gage is 200.00 ft above sea level.

DRAINAGE AREA: 23.2 mi<sup>2</sup> SLOPE: 14.5 ft/mi LENGTH: 11.9 mi

## STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:

MEAN 3.266

STANDARD DEVIATION 0.407

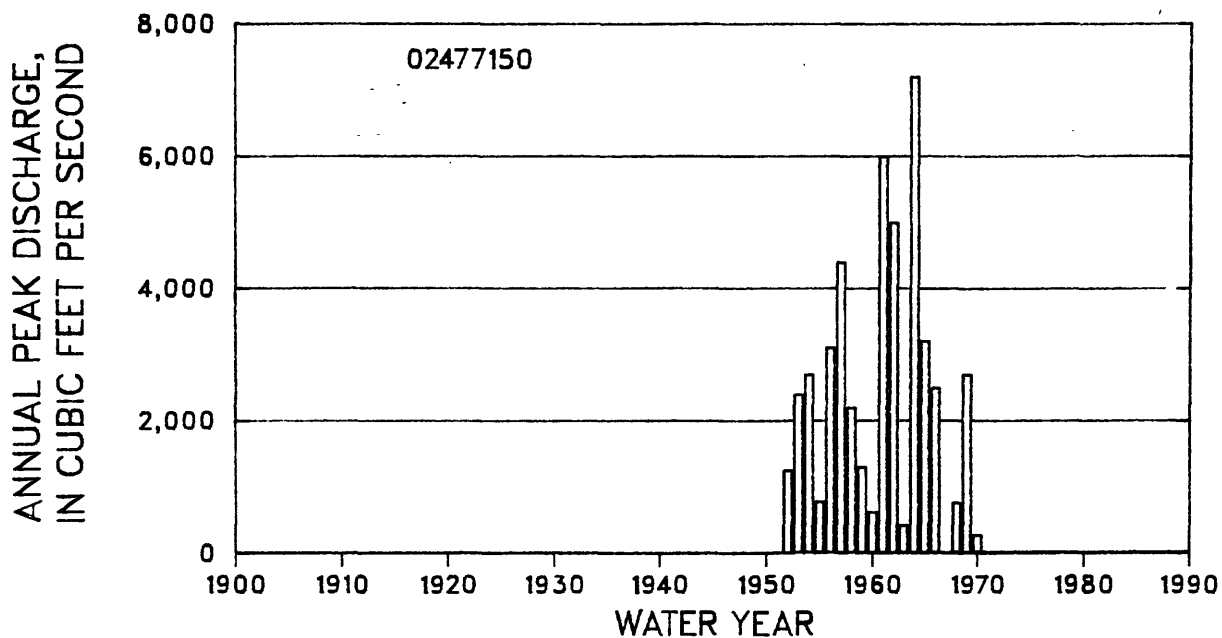
SKEW -0.039

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	1,860	4,070	6,110	9,390	12,400	15,900	19,900	26,200
REGIONAL	1,680	2,890	3,820	4,940	5,840	6,620	7,650	8,720
WEIGHTED	1,800	3,450	4,660	6,050	7,110	8,030	9,200	10,500

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	24	26	31	40	50	62	75	96
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	19	19	20	22	25	27	30	34

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 18

Graph of annual peak discharges is shown below.



## 02477150 Pachuta Creek at Pachuta, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1938	4/ /38	68.60	--	1960	4/ 4/60	64.16	620
1949	11/ /48	67.00	--	1961	2/22/61	68.32	6,000
1952	5/23/52	65.83	1,250	1962	12/18/61	67.86	5,000
1953	4/30/53	66.62	2,400	1963	1/19/63	62.80	420
1954	7/ 7/54	66.91	2,700	1964	4/ 6/64	70.91	7,200
1955	5/25/55	64.81	780	1965	11/25/64	67.28	3,200
1956	3/15/56	67.04	3,100	1966	2/11/66	66.80	2,500
1957	4/ 4/57	67.60	4,400	1968	12/14/67	64.75	760
1958	11/14/57	66.47	2,200	1969	4/13/69	66.92	2,700
1959	5/22/59	65.84	1,300	1970	3/ 4/70	61.67	270

# 02477190 Chickasawhay River near Quitman, MS

## LOCATION:

Lat 32°00'37", long 88°43'45", SE 1/4 sec.14, T.2 N., R.15 E., Choctaw Meridian, Clarke County, Hydrologic Unit 03170002, at bridge on U.S. Highway 45, and 2.0 mi south of Quitman.

## GAGE:

Nonrecording gage. Datum of gage is 173.49 ft above sea level.

DRAINAGE AREA: 1,210 mi<sup>2</sup>

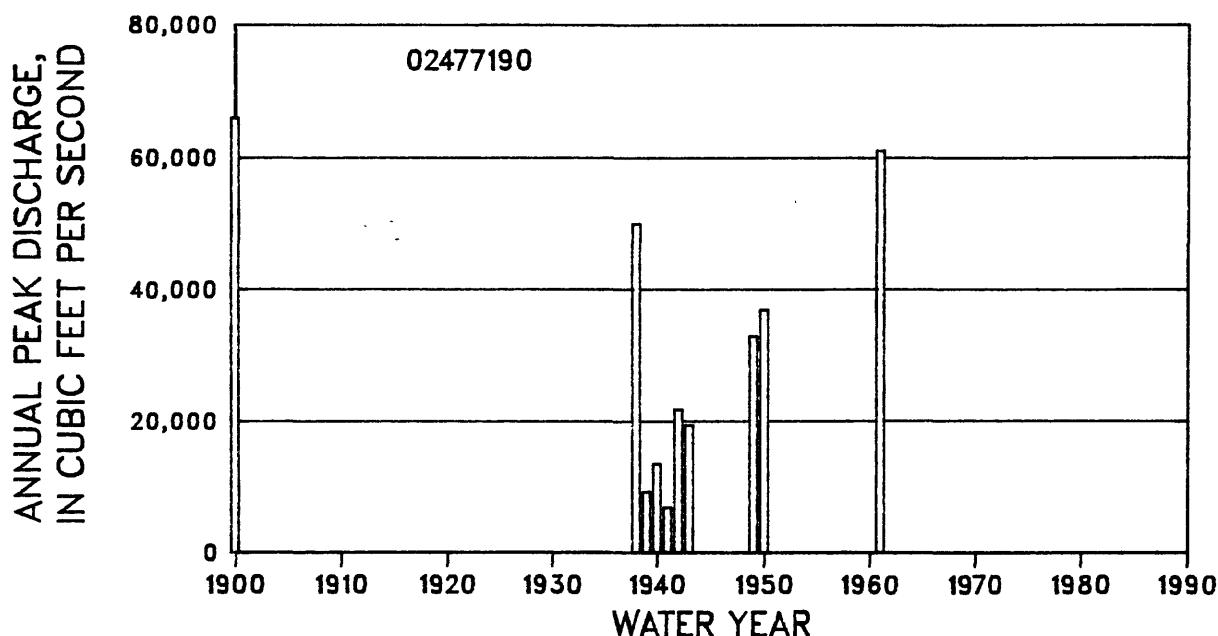
SLOPE: 3.0 ft/mi

LENGTH: 79.7 mi

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
REGIONAL	17,600	31,500	43,300	59,300	73,400	88,800	97,000	121,000
T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
REGIONAL	--	--	--	--	--	--	--	--

NOTE: The systematic period of record is insufficient for station flood-frequency analysis; however, the drainage area for this station is within 50 percent of the drainage areas at stations 02477000 and 02477350. Therefore, the regional flood-frequency discharges were determined by logarithmic interpolation, on the basis of drainage area, between the weighted gage discharges from stations 02477000 and 02477350, as suggested by Landers and Wilson (1991). No standard error of estimate is shown, but is probably similar to what is presented for stations 02477000 and 02477350.

Graph of annual peak discharges is shown below.





## 02477190 Chickasawhay River near Quitman, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1900	4/ /00	49.00	66,000 f	1942	3/24/42	40.20	21,900
1938	4/ /38	47.50	50,000 f	1943	3/24/43	38.80	19,500
1939	3/ 8/39	29.60	9,310	1949	11/ /48	44.80	33,000 f
1940	7/13/40	34.70	13,600	1950	1/ /50	45.80	37,000 f
1941	3/10/41	23.90	6,950	1961	2/24/61	48.59	61,100 f

HISTORICAL DATA: The 1900 peak is the highest known.

f Discharge is an historical peak.

02477330 Shubuta Creek near Shubuta, MS

LOCATION:

Lat 31°53'04", long 88°44'20", NW 1/4 sec.35, T.1 N., R.15 E., Choctaw Meridian, Clarke County, Hydrologic Unit 03170002, at county highway, 1.5 mi north of Shubuta, and 5.0 mi upstream from mouth.

GAGE:

Crest-stage gage. Datum of gage is 181.97 ft above sea level.

DRAINAGE AREA: 75.5 mi<sup>2</sup> SLOPE: 7.1 ft/mi LENGTH: 28.1 mi

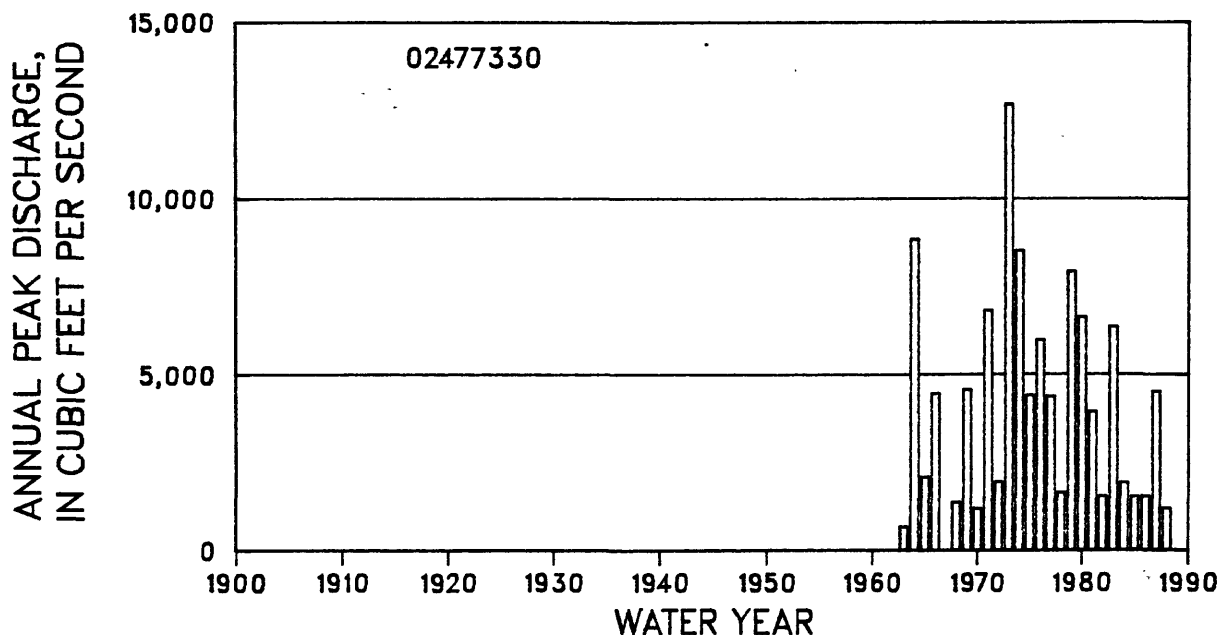
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.526  
STANDARD DEVIATION 0.344  
SKEW 0.033

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	3,340	6,530	9,290	13,600	17,300	21,600	26,500	34,000
REGIONAL	3,140	5,480	7,300	9,530	11,300	12,900	14,900	17,200
WEIGHTED	3,290	6,150	8,360	11,200	13,200	15,200	17,600	20,400

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	18	19	23	30	38	46	55	68
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	16	16	17	20	22	25	28	32

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 24

Graph of annual peak discharges is shown below.



## 02477330 Shubuta Creek near Shubuta, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1963	1/19/63	8.50	680	1977	3/ 4/77	19.21	4,390
1964	4/ 6/64	22.22	8,860	1978	11/22/77	14.46	1,650
1965	12/12/64	15.74	2,100	1979	3/ 4/79	21.63	7,950
1966	2/12/66	19.21	4,480	1980	5/17/80	20.77	6,660
1968	12/14/67	12.84	1,380	1981	3/ 5/81	18.89	3,960
1969	4/13/69	19.28	4,590	1982	4/20/82	14.02	1,550
1970	3/ 4/70	11.82	1,200	1983	2/ 1/83	20.58	6,380
1971	2/21/71	20.38	6,850	1984	3/ 5/84	15.62	1,940
1972	12/ 6/71	15.26	1,960	1985	3/ 2/85	--	1,540 h
1973	4/25/73	24.88	12,700	1986	10/30/85	14.00	1,550
1974	12/25/73	22.03	8,540	1987	1/18/87	19.31	4,540
1975	2/17/75	19.23	4,420	1988	3/26/88	12.11	1,200
1976	3/31/76	--	6,000 c				

c Estimated.

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

# 02477350 Chickasawhay River at Shubuta, MS

## LOCATION:

Lat 31°51'25", long 88°41'11", NW 1/4 sec.10, T.10 N., R.7 W., St. Stephens Meridian, Clarke County, Hydrologic Unit 03170002, at bridge on county road, 0.5 mi southeast of Shubuta, and at mi 114.0.

## GAGE:

Nonrecording gage. Datum of gage is 147.58 ft above sea level. Nov. 1, 1904, to April 18, 1923, at datum about 0.58 ft lower. April 19, 1923, to March 12, 1940, at datum 3.62 ft higher. March 13, 1940, to Oct. 23, 1980, at site 3,500 ft downstream, at datum 0.28 ft lower, which the 1900 flood is referenced.

DRAINAGE AREA: 1,460 mi<sup>2</sup>      SLOPE: 2.4 ft/mi      LENGTH: 99.6 mi

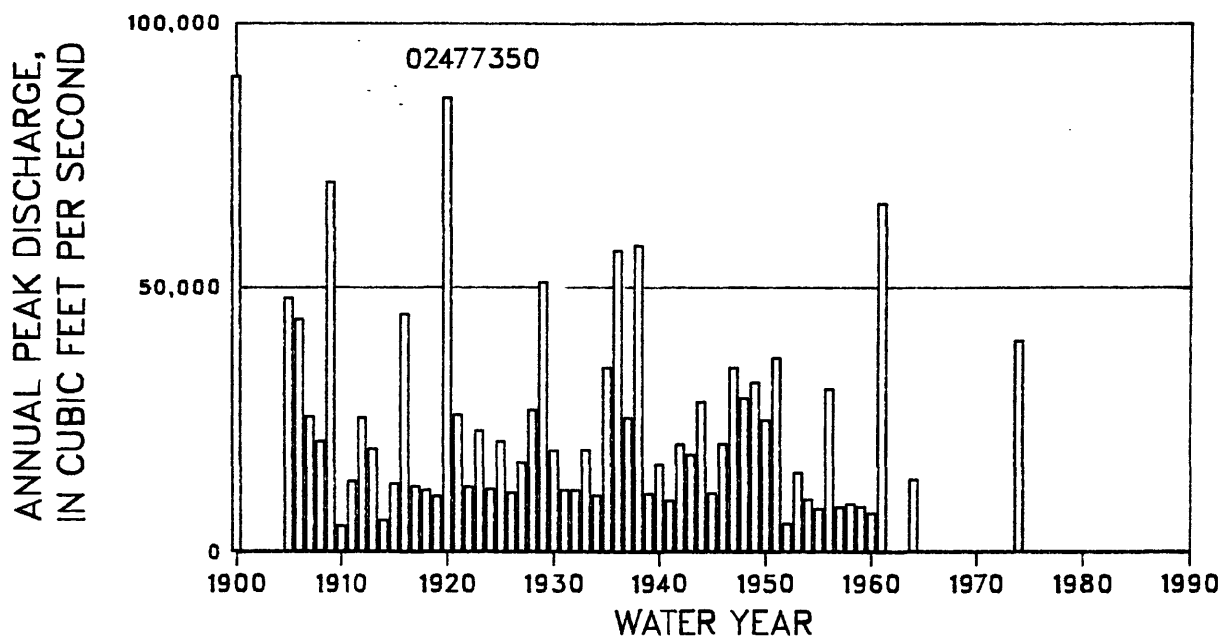
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:	MEAN	4.286
	STANDARD DEVIATION	0.299
	SKEW	0.257

	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
T	2	5	10	25	50	100	200	500
STATION	18,800	34,200	47,500	68,500	87,400	109,000	135,000	174,000
REGIONAL	21,200	35,800	47,700	61,300	74,900	89,900	95,000	118,000
WEIGHTED	19,200	34,600	47,600	64,200	78,400	93,800	101,000	126,000

	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
T	2	5	10	25	50	100	200	500
STATION	10	11	14	19	23	28	34	42
REGIONAL	22	19	17	16	15	15	16	17
WEIGHTED	9	10	11	12	13	13	14	16

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 60

Graph of annual peak discharges is shown below.



## 02477350 Chickasawhay River at Shubuta, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1900	4/ /00	47.90 a	90,000 f	1943	3/26/43	33.60 a	18,500
1905	2/12/05	40.00 a	48,000	1944	4/30/44	37.40 a	28,500
1906	3/22/06	39.20 a	44,000	1945	2/26/45	28.70 a	11,200
1907	3/ 5/07	34.50 a	25,700	1946	2/16/46	34.50 a	20,600
1908	2/19/08	32.50 a	21,000	1947	1/23/47	39.20 a	35,000
1909	5/28/09	43.00 a	70,000	1948	3/ 8/48	37.80 a	29,200
1910	3/ 3/10	15.40 a	5,000	1949	12/ 3/48	38.70 a	32,200
1911	1/ 4/11	27.70 a	13,500	1950	5/ 8/50	--	25,000 c
1912	4/ 2/12	34.30 a	25,500	1951	4/ 2/51	39.90 a	36,800
1913	1/29/13	31.90 a	19,600	1952	3/ 5/52	19.70 a	5,400
1914	12/31/13	17.60 a	6,100	1953	5/ 6/53	31.90 a	15,100
1915	2/ 6/15	27.30 a	13,000	1954	12/14/53	27.20 a	10,000
1916	7/12/16	39.40 a	45,000	1955	4/18/55	24.90 a	8,300
1917	3/ 9/17	26.90 a	12,500	1956	3/20/56	38.10 a	31,000
1918	5/ 4/18	26.20 a	11,800	1957	9/29/57	25.20 a	8,600
1919	3/10/19	24.60 a	10,600	1958	11/24/57	26.40 a	9,200
1920	12/11/19	44.30 a	86,000	1959	6/ 3/59	25.50 a	8,700
1921	4/20/21	34.60 a	26,000	1960	4/ 4/60	23.40 a	7,400
1922	3/ 7/22	26.80 a	12,400	1961	2/25/61	44.91 a	66,000
1923	3/27/23	33.20 ab	23,000	1962	12/21/61	41.27 a	--
1924	3/ 3/24	26.30 a	12,000	1964	5/ 1/64	30.90 a	13,800
1925	1/22/25	32.60 a	21,000	1972	1/15/72	30.82 a	--
1926	1/ 6/26	25.50 a	11,300	1973	4/26/73	34.48 a	--
1927	2/19/27	30.10 a	17,000	1974	4/ /74	41.31 a	40,000 f
1928	6/ 5/28	35.00 a	27,000	1975	1/16/75	32.31 a	--
1929	3/17/29	40.40 a	51,000	1976	4/ 3/76	38.00 a	--
1930	11/19/29	31.70 a	19,300	1977	3/10/77	29.32 a	--
1931	8/ 1/31	26.00 a	11,800	1978	5/10/78	22.04 a	--
1932	1/31/32	26.00 a	11,800	1979	3/ 7/79	41.74 a	--
1933	1/ 1/33	31.80 a	19,400	1980	4/17/80	38.32 a	--
1934	3/ 8/34	24.80 a	10,800	1981	4/ 5/81	30.31 b	--
1935	3/10/35	37.40 a	35,000	1982	2/ 4/82	22.19	--
1936	2/ 7/36	41.10 a	57,000	1983	4/11/83	32.33	--
1937	1/23/37	34.30 a	25,500	1984	12/29/83	24.91	--
1938	4/10/38	41.20 a	58,000	1985	2/27/85	24.61	--
1939	3/ 8/39	25.20 a	11,100	1986	10/30/85	21.34	--
1940	5/ 1/40	32.80 ab	16,700	1987	1/23/87	34.10	--
1941	3/ 9/41	27.00 a	9,800	1988	4/ 6/88	20.41	--
1942	3/25/42	34.40 a	20,500				

HISTORICAL DATA: The 1900 peak is the highest known.

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

c Estimated.

f Discharge is an historical peak.

# 02477500 Chickasawhay River near Waynesboro, MS

## LOCATION:

Lat 31°40'46", long 88°41'00", NW 1/4 sec.10, T.8 N., R.7 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, on right bank just downstream from bridge on U.S Highway 84, 2.3 mi west of Waynesboro, and at mi 93.2.

## GAGE:

Nonrecording gage and telemark gage. Datum of gage is 119.91 ft above sea level. From May 5, 1939, to September 1950, water-stage recorder at present site and datum. For water years 1900 and 1937, at site 1.3 mi upstream at datum 2.95 ft higher.

DRAINAGE AREA: 1,650 mi<sup>2</sup> SLOPE: 2.1 ft/mi LENGTH: 120 mi

## STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:

MEAN 4.217

STANDARD DEVIATION 0.245

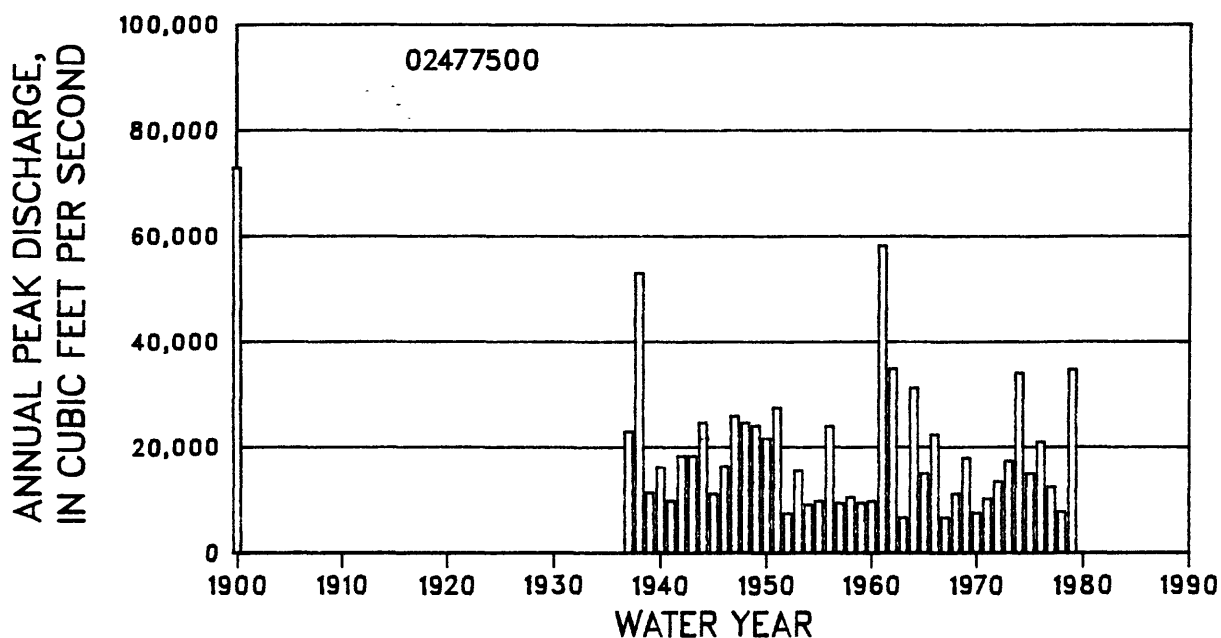
SKEW 0.374

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	15,900	26,200	34,600	47,400	58,600	71,300	85,800	108,000
REGIONAL	21,300	35,500	47,100	60,200	73,300	87,800	92,200	115,000
WEIGHTED	16,600	28,300	39,000	54,700	68,800	84,100	91,100	114,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	11	14	19	24	30	36	44
REGIONAL	22	19	17	16	15	15	16	17
WEIGHTED	9	9	11	12	13	13	14	16

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 44

Graph of annual peak discharges is shown below.



## 02477500 Chickasawhay River near Waynesboro, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1900	4/ /00	50.30 a	73,000 cf	1963	1/22/63	19.60	6,770
1937	1/26/37	36.70 ab	23,100	1964	4/10/64	41.90	31,400
1938	4/11/38	47.10	53,100	1965	2/18/65	30.60	15,000
1939	3/ 9/39	26.31	11,400	1966	2/19/66	36.64	22,500
1940	5/ 2/40	31.37	16,200	1967	5/ 6/67	19.60	6,770
1941	3/ 8/41	24.34	9,910	1968	12/23/67	26.10	11,200
1942	3/26/42	33.60	18,400	1969	4/20/69	33.30	18,000
1943	3/22/43	33.60	18,400	1970	3/23/70	21.00	7,660
1944	4/27/44	38.24	24,800	1971	3/ 4/71	24.90	10,300
1945	2/27/45	26.08	11,200	1972	1/16/72	29.03	13,500
1946	2/16/46	31.90	16,400	1973	4/27/73	32.79	17,400
1947	1/24/47	39.00	26,000	1974	4/18/74	41.90	34,200
1948	3/ 9/48	38.10	24,700	1975	1/17/75	30.56	15,000
1949	12/ 4/48	37.85	24,200	1976	4/ 4/76	35.69	21,100
1950	1/12/50	36.06	21,700	1977	3/11/77	27.90	12,500
1951	4/ 3/51	39.80	27,600	1978	5/11/78	21.27	7,840
1952	3/ 4/52	20.80	7,530	1979	3/ 8/79	42.07	34,800
1953	5/ 7/53	31.20	15,600	1980	4/18/80	38.65	--
1954	12/14/53	23.20	9,140	1981	4/18/81	29.99	--
1955	4/18/55	24.20	9,840	1982	2/ 5/82	22.66	--
1956	3/21/56	37.70	24,100	1983	4/12/83	32.12	--
1957	9/30/57	23.70	9,490	1984	12/29/83	26.33	--
1958	3/14/58	25.30	10,600	1985	10/23/84	18.19	--
1959	6/ 3/59	23.70	9,490	1986	10/31/85	22.15	--
1960	4/ 3/60	24.20	9,840	1987	1/24/87	33.09	--
1961	2/26/61	47.90	58,300	1988	4/ 6/88	20.10	--
1962	12/22/61	42.24	35,000				

HISTORICAL DATA: The 1900 peak is the highest known.

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

c Estimated.

f Discharge is an historical peak.

02477990 Buckatunna Creek near Denham, MS

LOCATION:

Lat 31°41'38", long 88°31'10", NE 1/4 sec.6, T.8 N., R.5 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, on right bank on downstream side of bridge on county road, 3.5 mi north of Denham, and 8.0 mi east of Waynesboro.

GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 141.15 ft above sea level.

DRAINAGE AREA: 492 mi<sup>2</sup> SLOPE: 3.0 ft/mi LENGTH: 82.8 mi

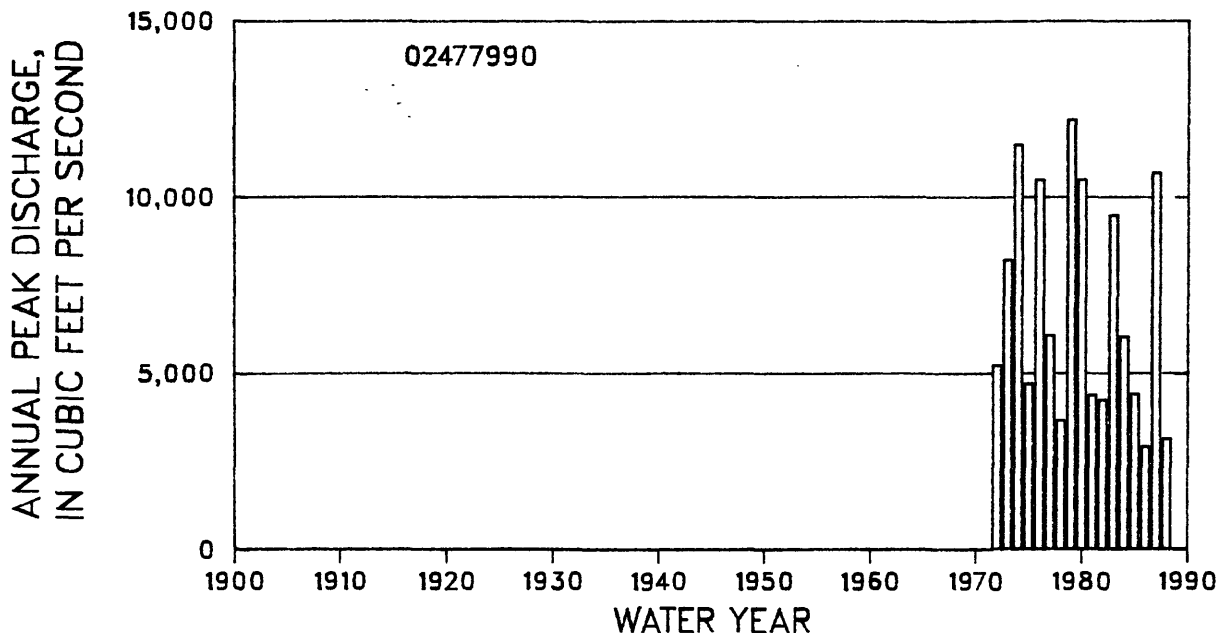
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.795  
STANDARD DEVIATION 0.209  
SKEW 0.179

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	6,150	9,320	11,700	14,900	17,600	20,400	23,400	27,800
REGIONAL	9,450	17,100	23,000	30,400	36,100	41,700	48,400	56,200
WEIGHTED	6,500	10,700	14,500	20,400	25,400	30,600	36,500	44,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	13	14	17	24	29	36	43	53
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	12	13	14	18	20	23	26	30

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 17

Graph of annual peak discharges is shown below.





## 02477990 Buckatunna Creek near Denham, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1972	12/ 7/71	23.28	5,240	1981	2/11/81	20.38	4,400
1973	3/ 7/73	28.96	8,220	1982	2/ 3/82	20.03	4,260
1974	4/16/74	33.81	11,500	1983	2/ 2/83	31.02	9,490
1975	1/11/75	21.72	4,720	1984	12/31/83	23.89	6,050
1976	4/ 1/76	32.46	10,500	1985	3/ 2/85	20.19	4,430
1977	3/12/77	24.88	6,090	1986	10/31/85	15.31	2,930
1978	1/25/78	18.50	3,680	1987	1/22/87	33.10 c	10,700
1979	3/ 6/79	34.90	12,200	1988	2/19/88	15.96	3,160
1980	4/16/80	32.78	10,500				

02478000 Buckatunna Creek at Denham, MS

LOCATION:

Lat 31°39'12", long 88°31'18", SE 1/4 sec.18, T.8 N., R.5 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, at bridge on county road, 0.3 mi east of Denham, and 9.0 mi southeast of Waynesboro.

GAGE:

Nonrecording gage. Datum of gage is 134.49 ft above sea level.

DRAINAGE AREA: 505 mi<sup>2</sup> SLOPE: 2.9 ft/mi LENGTH: 87.8 mi

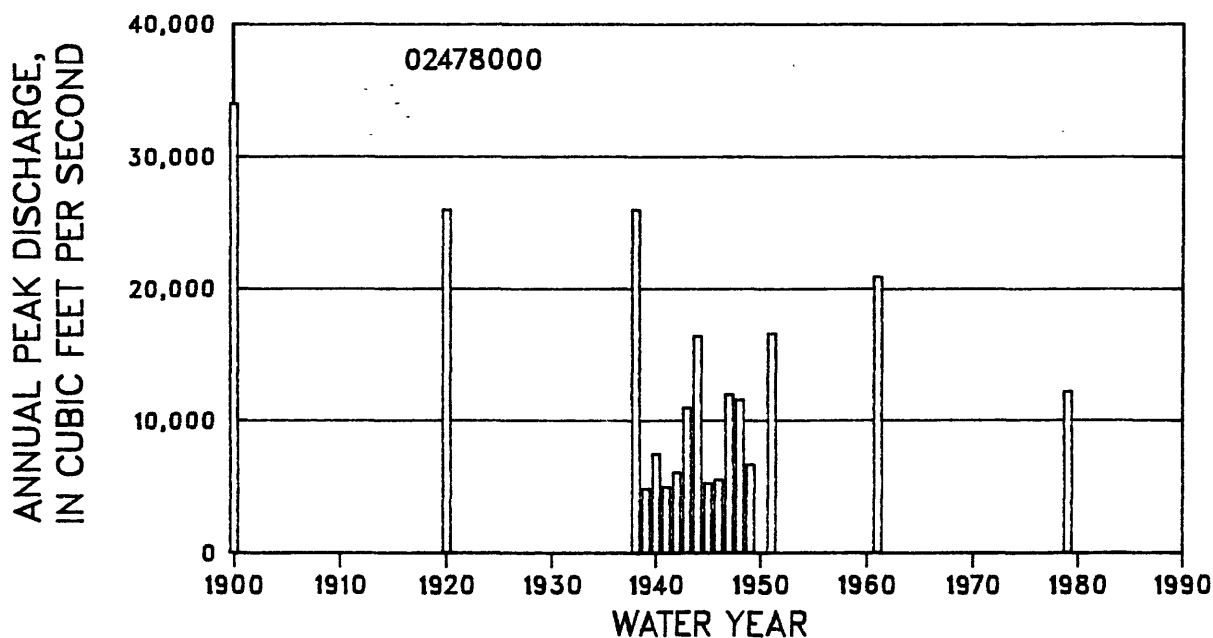
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.907  
STANDARD DEVIATION 0.204  
SKEW 0.641

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	7,680	11,700	15,100	20,200	24,700	29,900	35,800	45,100
REGIONAL	9,440	17,000	23,000	30,400	36,100	41,700	48,400	56,300
WEIGHTED	7,890	12,900	17,700	25,300	31,500	37,800	44,900	53,700

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	13	16	20	30	39	49	61	79
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	12	13	16	20	23	26	29	33

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 17

Graph of annual peak discharges is shown below.



## 02478000 Buckatunna Creek at Denham, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1900	4/ /00	34.00	34,000 f	1945	3/26/45	19.40	5,280
1920	12/ /19	31.50	26,000 f	1946	8/10/46	19.80	5,560
1938	4/ /38	31.50	26,000	1947	1/23/47	25.60	12,000
1939	3/31/39	18.80	4,880	1948	3/ 7/48	25.40	11,600
1940	5/ 3/40	22.10	7,500	1949	12/ 1/48	21.25	6,680
1941	3/ 8/41	19.00	5,000	1951	3/ /51	28.20	16,600 f
1942	3/26/42	20.50	6,100	1961	2/24/61	29.63	20,900 f
1943	3/21/43	25.02	11,000	1979	3/ 6/79	--	12,200 cf
1944	4/27/44	28.00	16,400				

HISTORICAL DATA: The 1920 and 1938 peaks are the highest known since 1900.

c Estimated.

f Discharge is an historical peak.

# 02478500 Chickasawhay River at Leakesville, MS

## LOCATION:

Lat 31°08'54", long 88°33'52", SW 1/4 sec.12, T.2 N., R.6 W., St. Stephens Meridian, Greene County, Hydrologic Unit 03170003, on left bank on downstream side of bridge on State Highway 63, 0.5 mi southeast of Leakesville, 1.8 mi upstream from Faulk Ditch, and 29.1 mi upstream from confluence with Leaf River.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 51.13 ft above sea level. Prior to Oct. 19, 1939, nonrecording gage.

DRAINAGE AREA: 2,690 mi<sup>2</sup>      SLOPE: 1.6 ft/mi      LENGTH: 184.0 mi

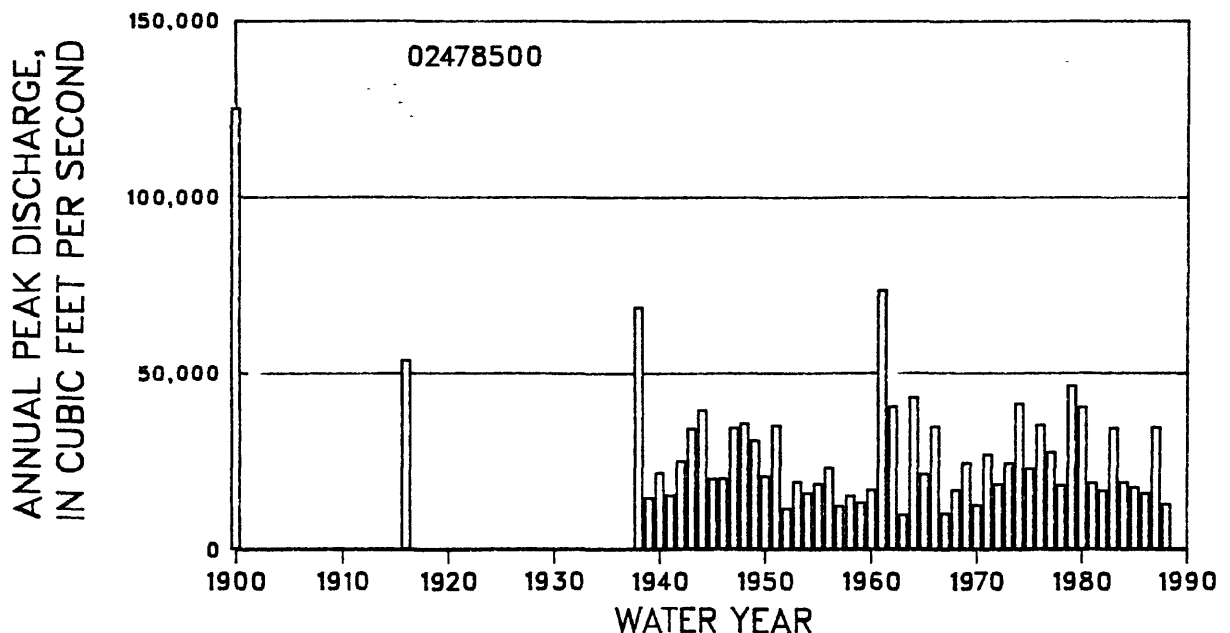
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:	MEAN	4.374
	STANDARD DEVIATION	0.216
	SKEW	0.519

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	22,700	35,300	45,600	61,200	74,800	90,300	108,000	135,000
REGIONAL	26,500	42,300	55,200	69,200	83,500	99,000	103,000	126,000
WEIGHTED	23,100	36,500	48,400	65,300	80,500	96,800	104,000	128,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	8	9	12	17	21	26	32	39
REGIONAL	22	19	17	16	15	15	16	17
WEIGHTED	7	8	10	11	12	13	14	16

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 53

Graph of annual peak discharges is shown below.



## 02478500 Chickasawhay River at Leakesville, MS---Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1900	4/ /00	38.00	125,000 f	1963	1/23/63	19.92	9,890
1916	7/ /16	31.50	53,700 f	1964	4/13/64	30.24	43,200
1938	4/12/38	34.12	68,800	1965	2/21/65	26.05	21,400
1939	3/13/39	23.25	14,700	1966	2/20/66	29.02	34,900
1940	7/13/40	26.37	21,800	1967	5/ 7/67	19.75	10,200
1941	3/11/41	23.63	15,400	1968	12/25/67	23.52	16,900
1942	3/29/42	27.17	25,000	1969	4/16/69	26.93	24,500
1943	3/23/43	29.16	34,300	1970	3/24/70	21.28	12,600
1944	4/29/44	30.13	39,600	1971	3/ 6/71	27.52	26,900
1945	3/28/45	25.66	20,100	1972	1/19/72	25.13	18,500
1946	2/20/46	25.66	20,200	1973	5/ 1/73	26.80	24,400
1947	1/26/47	29.10	34,600	1974	4/20/74	30.02	41,400
1948	3/11/48	29.33	35,800	1975	1/19/75	26.31	22,900
1949	11/29/48	28.44	30,900	1976	4/ 6/76	29.10	35,400
1950	1/17/50	25.87	20,800	1977	3/14/77	27.65	27,500
1951	4/ 4/51	29.22	35,200	1978	6/ 9/78	24.59	18,200
1952	3/ 6/52	21.30	11,600	1979	3/10/79	30.67	46,500
1953	5/10/53	25.11	19,200	1980	4/19/80	29.87	40,400
1954	12/13/53	23.52	16,000	1981	4/ 1/81	25.35	18,900
1955	4/15/55	25.00	18,600	1982	2/ 5/82	23.61	16,700
1956	3/25/56	26.61	23,200	1983	4/15/83	28.93	34,400
1957	9/30/57	21.61	12,400	1984	12/31/83	24.96	19,100
1958	3/12/58	23.30	15,300	1985	3/ 3/85	24.33	17,700
1959	6/10/59	22.20	13,300	1986	11/ 1/85	23.46	16,000
1960	4/ 6/60	24.22	17,000	1987	1/26/87	28.98	34,700
1961	2/28/61	33.52	73,600	1988	4/ 5/88	21.01	12,900
1962	12/24/61	29.88	40,500				

HISTORICAL DATA: The 1900 peak is the highest known.

f Discharge is an historical peak.

# 02478600 Granny Branch at Piave, MS

## LOCATION:

Lat 31°23'27", long 88°44'54", SE 1/4 sec.13, T.5 N., R.8 W., St. Stephens Meridian, Greene County, Hydrologic Unit 03170003, at culvert on State Highway 63, and 0.3 mi southeast of Piave.

## GAGE:

Crest-stage gage. Datum of gage is 236.84 ft above sea level. Prior to Sept. 21, 1971, water-stage and rain-gage recorder also.

DRAINAGE AREA: 0.69 mi<sup>2</sup> SLOPE: 47.8 ft/mi LENGTH: 1.2 mi

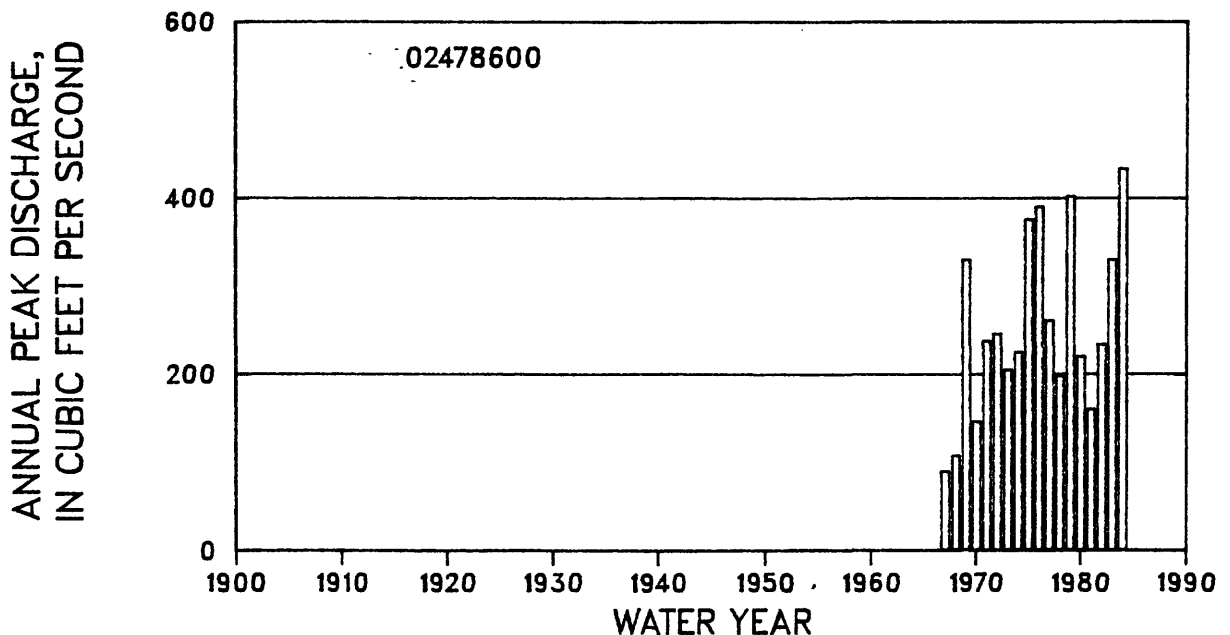
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.369  
STANDARD DEVIATION 0.193  
SKEW -0.165

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	237	342	411	497	561	625	688	772
REGIONAL	231	366	468	585	684	757	865	964
WEIGHTED	236	346	423	521	602	676	762	860

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	11	12	13	17	21	25	30	37
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	11	11	12	14	17	19	22	26

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 18

Graph of annual peak discharges is shown below.



## 02478600 Granny Branch at Piave, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1967	5/ 2/67	4.22	89	1976	3/30/76	6.46	390
1968	8/16/68	4.40	107	1977	3/12/77	5.47	261
1969	4/13/69	6.16	330	1978	5/ 3/78	5.22	198
1970	3/ 3/70	4.76	146	1979	3/ 4/79	6.55	402
1971	5/12/71	5.02	238	1980	3/28/80	5.15	220
1972	12/ 2/71	5.35	246	1981	3/29/81	5.03	160
1973	4/18/73	5.04	205	1982	10/26/81	5.26	234
1974	8/13/74	5.69	225	1983	4/ 6/83	5.99	330
1975	5/ 7/75	6.35	376	1984	5/ 3/84	6.77	433

# 02479000 Pascagoula River at Merrill, MS

## LOCATION:

Lat 30°58'40", long 88°43'35", SW 1/4 sec.18, T.1 S., R.7 W., St. Stephens Meridian, George County, Hydrologic Unit 03170006, on right bank on downstream side of bridge on county highway, 0.5 mi downstream from confluence of Leaf and Chickasawhay Rivers, 0.5 mi west of Merrill, and at mi 80.8.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 26.25 ft above sea level. Prior to Dec. 6, 1934, nonrecording gage.

DRAINAGE AREA: 6,590 mi<sup>2</sup>

SLOPE: 1.9 ft/mi

LENGTH: 184 mi

## STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:

MEAN 4.806

STANDARD DEVIATION 0.218

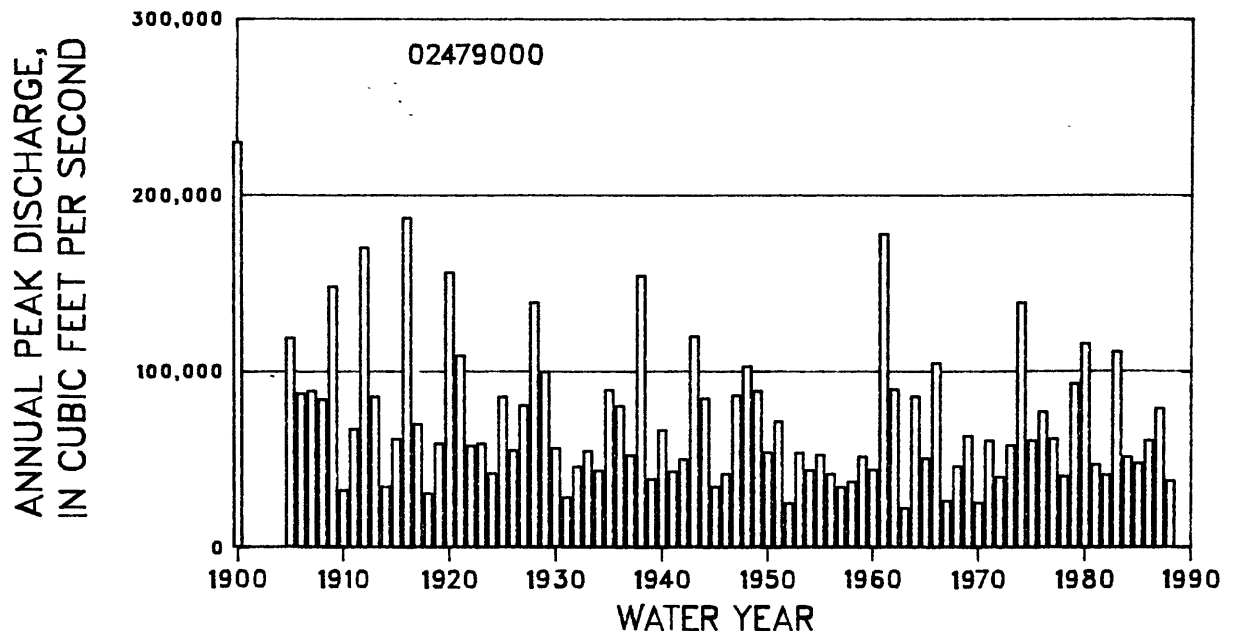
SKEW 0.249

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	62,600	96,800	123,000	160,000	191,000	225,000	262,000	315,000
REGIONAL	65,400	98,500	125,000	152,000	180,000	213,000	217,000	269,000
WEIGHTED	62,800	97,000	123,000	157,000	186,000	218,000	233,000	283,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	6	7	8	11	14	17	20	25
REGIONAL	22	19	17	16	15	15	16	17
WEIGHTED	6	6	7	9	10	11	12	14

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 85

Graph of annual peak discharges is shown below.





## 02479000 Pascagoula River at Merrill, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1900	4/ /00	32.50	230,000 f	1947	1/26/47	25.33	86,500
1905	2/15/05	27.50	119,000	1948	3/10/48	25.95	103,000
1906	3/25/06	25.60	87,400	1949	11/28/48	25.66	89,000
1907	5/21/07	25.70	89,000	1950	2/20/50	23.34	54,100
1908	2/20/08	25.40	84,200	1951	4/ 3/51	24.62	71,800
1909	6/ 4/09	29.10	148,000	1952	3/ 7/52	18.29	25,200
1910	6/ 7/10	20.60	32,700	1953	5/10/53	23.27	54,100
1911	1/ 8/11	24.30	67,400	1954	12/15/53	22.18	44,000
1912	4/22/12	30.20	170,000	1955	4/15/55	23.16	52,900
1913	3/19/13	25.50	85,800	1956	3/23/56	21.90	42,000
1914	4/ 1/14	21.00	34,800	1957	9/21/57	20.94	34,400
1915	2/ 7/15	23.90	61,800	1958	11/20/57	21.41	37,500
1916	7/ 9/16	31.00	187,000	1959	6/ 2/59	23.08	51,800
1917	3/ 6/17	24.50	70,300	1960	4/ 7/60	22.26	44,400
1918	5/ 7/18	20.20	30,800	1961	2/27/61	30.66	178,000
1919	3/10/19	23.70	59,200	1962	12/22/61	25.76	90,000
1920	12/15/19	29.50	156,000	1963	1/24/63	17.09	22,600
1921	4/21/21	26.90	109,000	1964	4/14/64	24.80	86,000
1922	3/11/22	23.60	57,900	1965	2/21/65	23.00	50,800
1923	4/10/23	23.70	59,200	1966	2/18/66	26.01	105,000
1924	1/28/24	22.10	42,200	1967	5/ 9/67	17.53	26,600
1925	1/21/25	25.50	85,800	1968	12/22/67	21.48	46,300
1926	1/10/26	23.40	55,300	1969	4/19/69	23.68	63,600
1927	2/20/27	25.20	81,000	1970	3/ 6/70	17.72	25,500
1928	6/ 8/28	28.60	139,000	1971	3/ 7/71	23.84	61,000
1929	3/21/29	26.40	100,000	1972	12/13/71	21.73	40,300
1930	11/21/29	23.50	56,600	1973	4/ 1/73	23.53	58,300
1931	11/21/30	20.00	28,500	1974	4/19/74	28.37	139,000
1932	1/ 9/32	23.20	46,100	1975	1/13/75	23.17	60,900
1933	4/16/33	23.70	55,000	1976	4/ 5/76	24.50	77,300
1934	3/ 8/34	23.05	43,800	1977	3/13/77	23.27	62,000
1935	3/12/35	25.83	89,700	1978	6/10/78	20.44	40,600
1936	2/11/36	25.43	80,700	1979	4/ 6/79	25.57	93,300
1937	1/26/37	23.83	52,600	1980	4/ 3/80	26.98	116,000
1938	4/13/38	29.71	154,000	1981	4/ 7/81	21.13	47,200
1939	4/ 2/39	21.82	39,000	1982	2/ 6/82	20.59	41,400
1940	7/14/40	24.30	66,800	1983	4/ 9/83	26.89	111,300
1941	3/12/41	22.36	43,300	1984	1/ 2/84	22.17	51,600
1942	3/29/42	23.13	50,100	1985	3/ 4/85	21.70	48,000
1943	3/24/43	27.06	120,000	1986	11/ 2/85	23.08	61,000
1944	5/ 1/44	25.25	84,800	1987	3/ 5/87	24.58	79,200
1945	4/ 4/45	20.50	34,500	1988	4/ 6/88	19.92	38,100
1946	5/19/46	22.29	41,800				

HISTORICAL DATA: The 1900 peak is the highest known since 1852.

f Discharge is an historical peak.

# 02479040 Big Creek near Lucedale, MS

## LOCATION:

Lat 30°56'25", long 88°37'05", SE 1/4 SE 1/4 sec.19, T.1 S., R.6 W., St. Stephens Meridian, George County, Hydrologic Unit 03170006, at bridge on U.S. Highway 98, 0.8 mi downstream from Beaverdam Creek, and 2.1 mi northwest of Lucedale.

## GAGE:

Crest-stage gage. Datum of gage is 37.76 ft above sea level.

DRAINAGE AREA: 21.2 mi<sup>2</sup> SLOPE: 22.0 ft/mi LENGTH: 6.0 mi

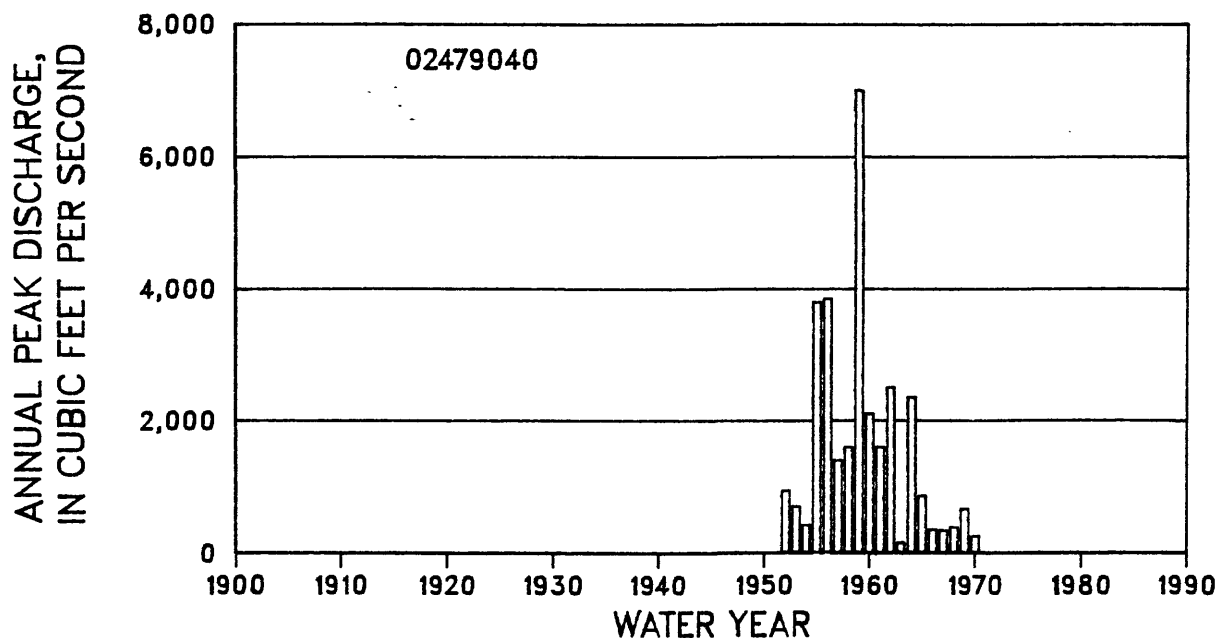
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.978  
STANDARD DEVIATION 0.429  
SKEW 0.117

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	932	2,170	3,410	5,560	7,670	10,300	13,500	18,700
REGIONAL	2,290	3,500	4,640	5,940	7,000	7,880	9,080	10,300
WEIGHTED	1,290	2,780	4,130	5,840	7,140	8,270	9,660	11,200

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	25	28	34	46	58	72	89	115
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	20	19	20	23	25	28	31	35

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 19

Graph of annual peak discharges is shown below.



## 02479040 Big Creek near Lucedale, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1952	5/19/52	88.22	940	1962	11/14/61	90.88	2,500
1953	4/25/53	87.65	700	1963	1/19/63	83.58	150
1954	12/ 4/53	86.68	420	1964	4/ 6/64	90.62	2,350
1955	4/12/55	92.54	3,800	1965	1/23/65	88.02	860
1956	9/24/56	92.56	3,850	1966	2/12/66	86.12	350
1957	9/18/57	89.14	1,400	1967	2/ 7/67	86.06	340
1958	7/25/58	89.47	1,600	1968	10/31/67	86.49	390
1959	6/ 1/59	95.77	7,000	1969	8/19/69	87.65	660
1960	5/ 7/60	90.41	2,100	1970	3/ 3/70	85.06	250
1961	2/18/61	89.51	1,600				

HISTORICAL DATA: The 1959 peak is the highest known since 1926.

# 02479094 Blown Pine Creek near Hattiesburg, MS

## LOCATION:

Lat 31°18 10 , long 89°31 00 , on line between SW 1/4 sec.16 and NW 1/4 sec.21, T.4 N., R.15 W., St. Stephens Meridian, Lamar County, Hydrologic Unit 03170007, at culvert on U.S. Highway 98, and 11.3 mi west from intersection of U.S. Highways 49 and 98 in Hattiesburg.

## GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Sept. 21, 1971, water-stage and rain-gage recorder also.

DRAINAGE AREA: 1.92 mi<sup>2</sup> SLOPE: 31.9 ft/mi LENGTH: 3.3 mi

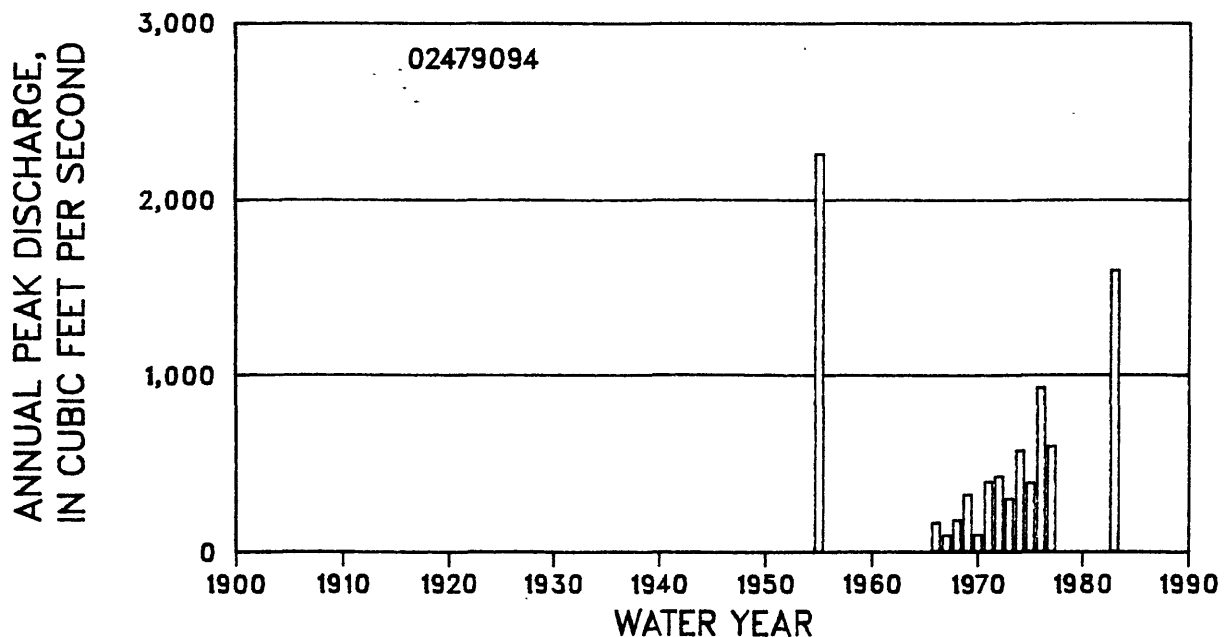
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.532  
STANDARD DEVIATION 0.362  
SKEW 0.353

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	324	675	1,020	1,610	2,200	2,930	3,840	5,370
REGIONAL	362	589	764	969	1,140	1,280	1,470	1,650
WEIGHTED	337	628	843	1,090	1,280	1,430	1,650	1,860

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	25	29	37	52	68	87	110	150
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	20	20	21	24	26	29	31	36

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 14

Graph of annual peak discharges is shown below.



02479094 Blown Pine Creek near Hattiesburg, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	4/12/55	12.06	2,260 f	1972	12/ 6/71	5.82	427
1966	9/ 6/66	4.52	164	1973	3/24/73	5.60	300
1967	7/20/67	4.10	92	1974	12/25/73	6.40	574
1968	6/11/68	4.61	180	1975	9/17/75	5.29	390
1969	12/ 3/68	5.37	324	1976	3/30/76	7.02	930
1970	12/ 6/69	4.12	95	1977	3/ 4/77	6.49	597
1971	4/20/71	5.70	398	1983	4/ 6/83	9.67	1,600 f

HISTORICAL DATA: The 1983 peak is the highest known since 1955.

f Discharge is an historical peak.

# 02479100 Black Creek near Purvis, MS

## LOCATION:

Lat 31°11'24", long 89°22'36", SW 1/4 sec.26, T.3 N., R.15 W., St. Stephens Meridian, Lamar County, Hydrologic Unit 03170007, at bridge on U.S. Highway 11, 1.2 mi downstream from Sandy Run Creek, and 4.0 mi northwest of Purvis.

## GAGE:

Crest-stage gage. Datum of gage is 189.96 ft above sea level.

DRAINAGE AREA: 171 mi<sup>2</sup> SLOPE: 6.2 ft/mi LENGTH: 35.6 mi

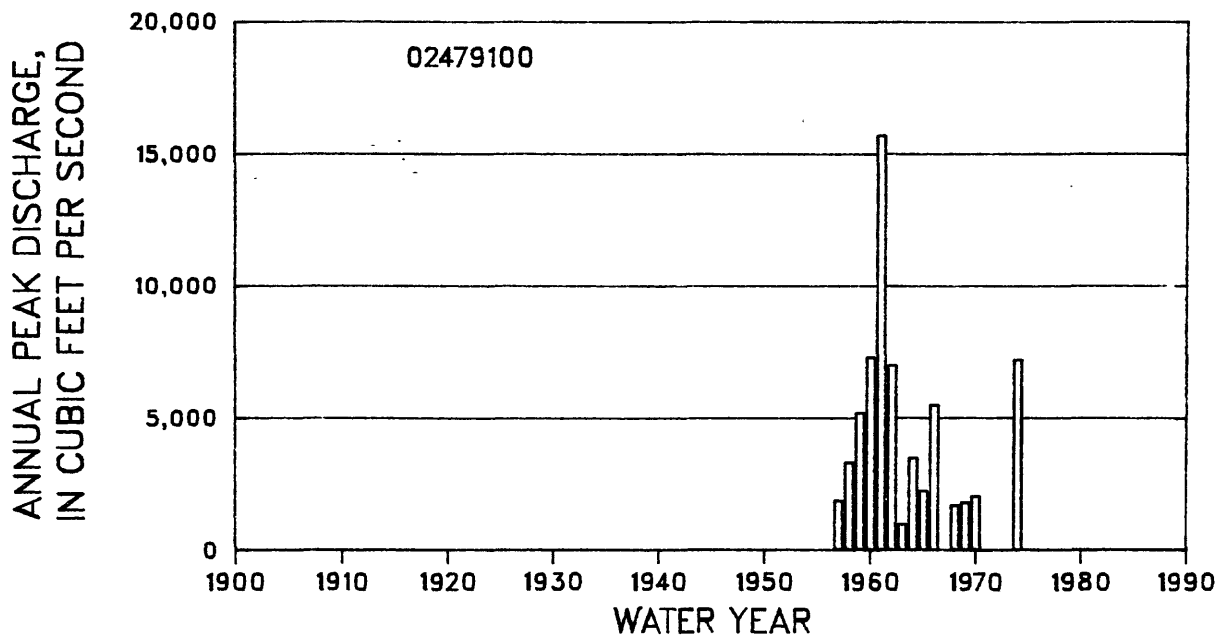
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.511  
STANDARD DEVIATION 0.315  
SKEW 0.497

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	3,060	5,840	8,480	13,000	17,300	22,800	29,400	40,700
REGIONAL	5,560	9,920	13,300	17,500	20,700	23,700	27,500	31,600
WEIGHTED	3,650	7,550	11,200	16,200	20,000	23,600	27,700	32,500

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	22	26	33	49	64	82	105	144
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	18	19	20	23	26	28	31	35

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 14

Graph of annual peak discharges is shown below.



## 02479100 Black Creek near Purvis, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1957	9/19/57	20.75	1,880	1964	4/26/64	23.46	3,500
1958	9/23/58	23.26	3,330	1965	1/24/65	21.57	2,250
1959	6/ 1/59	25.10	5,200	1966	2/12/66	25.26	5,500
1960	5/ 6/60	26.30	7,300	1968	12/18/67	20.28	1,700
1961	2/18/61	28.20	15,700	1969	3/24/69	20.62	1,810
1962	4/28/62	26.14	7,000	1970	3/ 5/70	21.11	2,050
1963	1/18/63	17.92	990	1974	12/26/73	26.21	7,200 f

HISTORICAL DATA: The 1961 peak is the highest known between 1957 and 1974.

f Discharge is an historical peak.

# 02479130 Black Creek near Brooklyn, MS

## LOCATION:

Lat 31°03'06", long 89°12'16", NW 1/4 NE 1/4 sec.16, T.1 N., R.12 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170007, on right bank at downstream side of bridge of dual bridges on U.S. Highway 49, 1.1 mi southwest of Brooklyn, and 4.5 mi upstream from Chaney Creek.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 128.14 ft above sea level.

DRAINAGE AREA: 355 mi<sup>2</sup> SLOPE: 4.7 ft/mi LENGTH: 56.3 mi

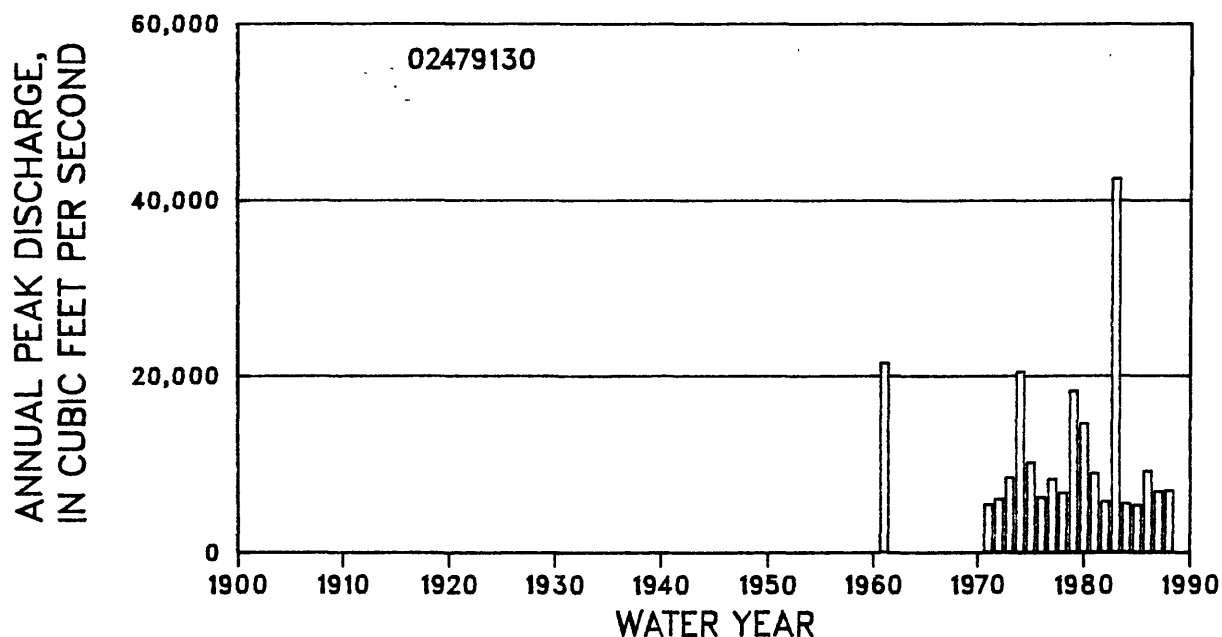
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.957  
STANDARD DEVIATION 0.230  
SKEW 0.815

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	8,440	13,700	18,400	26,100	33,300	42,100	52,700	70,200
REGIONAL	8,450	15,300	20,700	27,300	32,400	37,300	43,300	50,100
WEIGHTED	8,440	14,200	19,400	26,800	32,700	38,300	44,900	52,700

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	14	17	23	35	47	61	77	104
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	13	14	17	21	24	27	30	34

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 19

Graph of annual peak discharges is shown below.





## 02479130 Black Creek near Brooklyn, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1961	2/18/61	25.70	21,500 f	1980	5/20/80	23.25	14,600
1971	3/ 3/71	15.93	5,440	1981	2/11/81	20.19	8,970
1972	12/ 8/71	17.11	6,080	1982	2/ 3/82	16.83	5,800
1973	3/25/73	20.09	8,490	1983	4/ 7/83	29.96	42,500
1974	4/14/74	25.32	20,500	1984	12/28/83	16.47	5,580
1975	4/14/75	21.05	10,200	1985	10/22/84	16.15	5,380
1976	10/ 1/75	17.55	6,260	1986	10/31/85	20.32	9,220
1977	4/23/77	19.73	8,320	1987	8/15/87	18.44	6,930
1978	6/ 8/78	18.24	6,760	1988	3/26/88	18.55	7,030
1979	4/ 4/79	24.60	18,300				

HISTORICAL DATA: The 1983 peak is the highest known since 1961.

f Discharge is an historical peak.

02479138 Walls Creek tributary near Brooklyn, MS

LOCATION:

Lat 31°06'15", long 89°13'05", NW 1/4 NE 1/4 SE 1/4 sec.29, T.2 N., R.12 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170007, at culvert on U.S. Highway 49, and 3.4 mi northwest of Brooklyn.

GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Sept. 21, 1971, water-stage and rain-gage recorder also.

DRAINAGE AREA: 0.37 mi<sup>2</sup> SLOPE: 61.2 ft/mi LENGTH: 1.3 mi

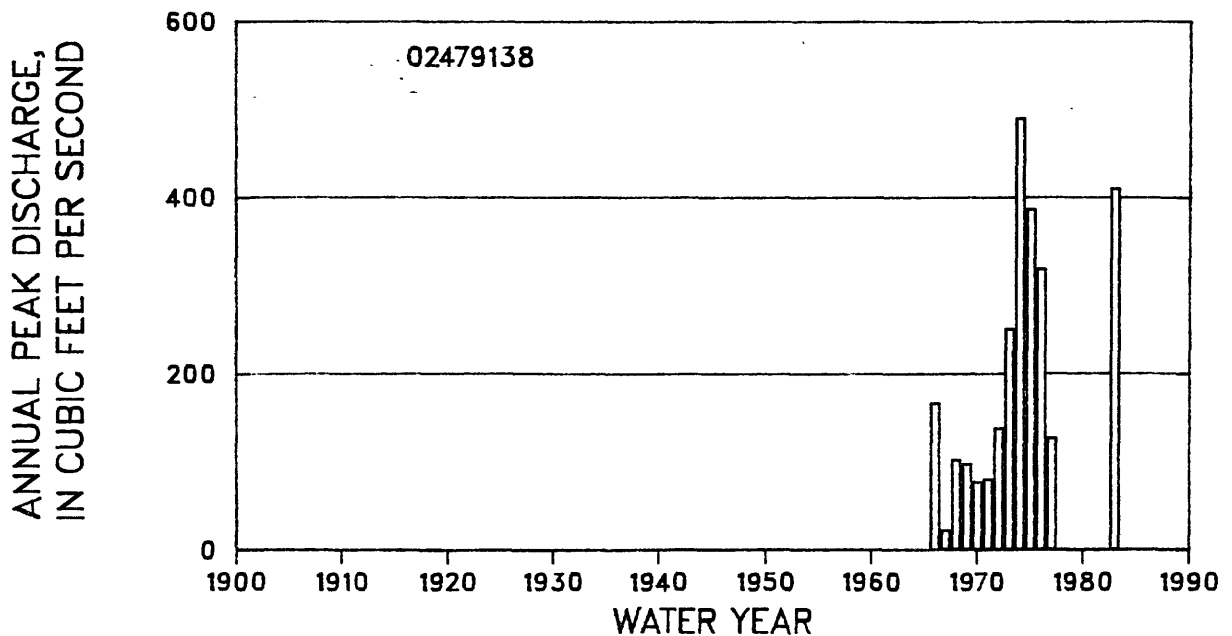
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.197  
STANDARD DEVIATION 0.298  
SKEW 0.429

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	150	276	390	577	752	963	1,220	1,630
REGIONAL	136	214	274	344	403	447	513	572
WEIGHTED	146	245	316	395	459	508	580	648

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	21	25	32	46	60	76	95	128
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	18	18	20	23	25	28	31	35

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 13

Graph of annual peak discharges is shown below.



## 02479138 Walls Creek tributary near Brooklyn, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1966	4/30/66	5.32	167	1973	3/24/73	6.45	251
1967	5/ 4/67	2.65	22	1974	4/13/74	10.39	490
1968	12/ 9/67	4.32	102	1975	4/14/75	8.23	387
1969	4/13/69	4.23	97	1976	4/25/76	7.27	319
1970	8/27/70	3.86	77	1977	8/17/77	4.73	127
1971	10/13/70	3.92	80	1983	4/ 6/83	8.61	410 f
1972	5/ 7/72	4.90	138				

HISTORICAL DATA: The 1983 peak is the highest known since 1974.

f Discharge is an historical peak.

# 02479140 Walls Creek near Brooklyn, MS

## LOCATION:

Lat 31°05'48", long 89°13'05", NE 1/4 sec.32, T.2 N., R.12 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170007, at bridge on U.S. Highway 49, 2.0 mi upstream from confluence with Davis Creek, and 3.0 mi northwest of Brooklyn.

## GAGE:

Crest-stage gage. Datum of gage is 57.16 ft above sea level.

DRAINAGE AREA: 22.6 mi<sup>2</sup> SLOPE: 12.0 ft/mi LENGTH: 11.0 mi

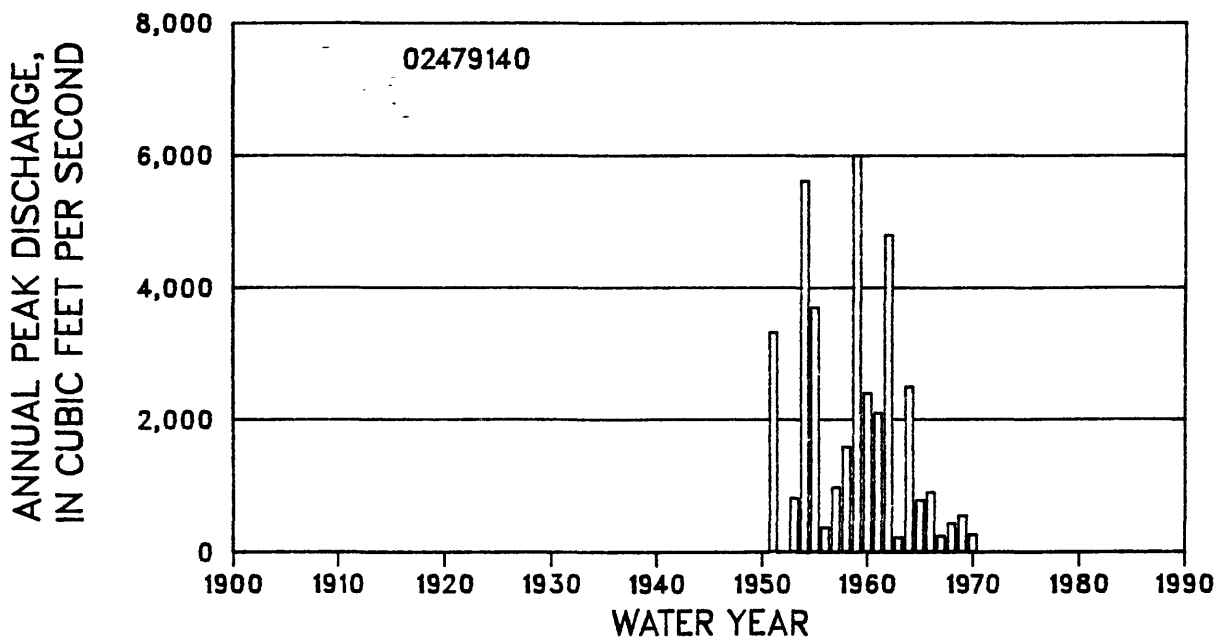
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.050  
STANDARD DEVIATION 0.480  
SKEW 0.345

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	1,050	2,780	4,800	8,830	13,300	19,400	27,700	43,200
REGIONAL	1,680	2,860	3,780	4,860	5,730	6,490	7,480	8,520
WEIGHTED	1,280	2,830	4,050	5,430	6,450	7,340	8,480	9,710

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	28	33	42	60	79	102	133	188
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	21	21	22	24	27	29	32	36

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 19

Graph of annual peak discharges is shown below.



## 02479140 Walls Creek near Brooklyn, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1951	unknown	96.00	3,320 f	1962	12/10/61	97.47	4,800
1953	4/25/53	91.17	815	1963	1/20/63	85.30	220
1954	12/ 4/53	98.09	5,620	1964	4/26/64	95.00	2,500
1955	4/12/55	96.44	3,700	1965	1/23/65	90.95	780
1956	3/14/56	87.07	370	1966	2/11/66	91.57	900
1957	9/18/57	91.98	978	1967	5/ 1/67	85.51	240
1958	9/22/58	93.72	1,590	1968	12/18/67	87.88	430
1959	6/ 1/59	98.16	6,000	1969	4/13/69	89.23	550
1960	4/ 3/60	94.90	2,400	1970	5/ 3/70	85.76	260
1961	9/14/61	94.45	2,100				

f Discharge is an historical peak.

# 02479155 Cypress Creek near Janice, MS

## LOCATION:

Lat 31°01'30", long 89°01'00", NW 1/4 sec.29, T.1 N., R.10 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170007, on right bank at downstream side of bridge on State Highway 29, 1.2 mi east of Janice, and 5.5 mi upstream from mouth.

## GAGE:

Continuous-discharge gage, water-stage recorder. Elevation of gage is about 110 ft above sea level (from topographic map).

DRAINAGE AREA: 52.6 mi<sup>2</sup> SLOPE: 9.1 ft/mi LENGTH: 12.1 mi

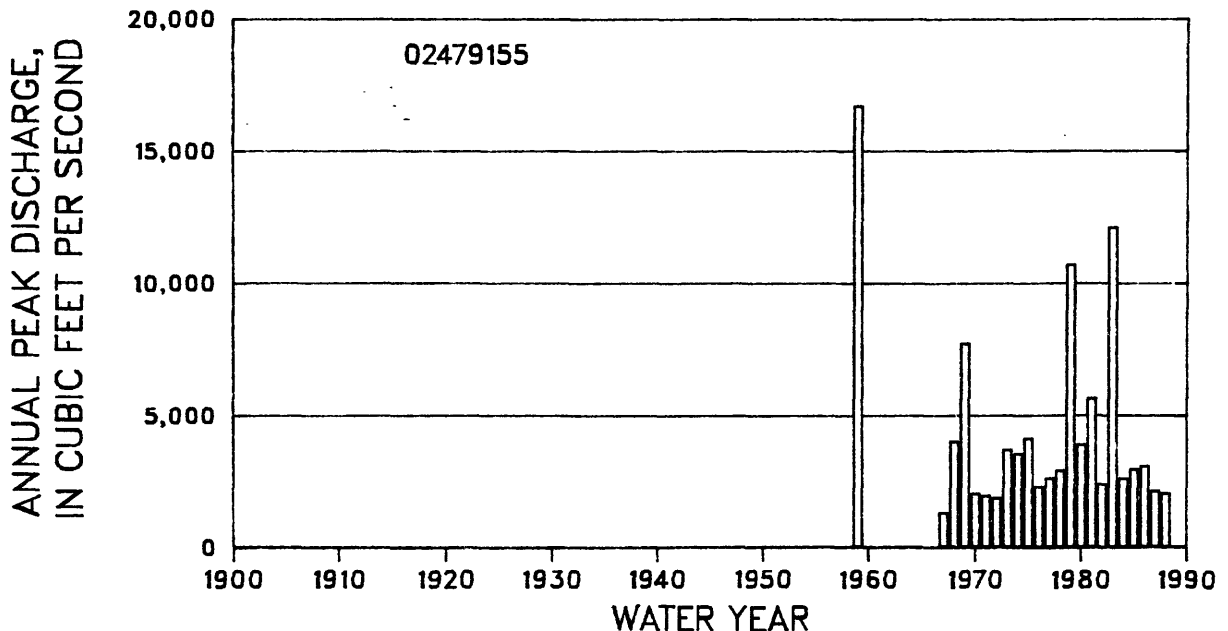
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.537  
STANDARD DEVIATION 0.273  
SKEW 0.693

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	3,200	5,660	7,950	11,800	15,600	20,300	26,000	35,700
REGIONAL	3,190	5,520	7,310	9,410	11,100	12,500	14,400	16,500
WEIGHTED	3,200	5,620	7,650	10,200	12,200	14,000	16,100	18,600

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	15	18	24	36	47	60	76	101
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	13	15	17	21	24	27	30	34

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 23

Graph of annual peak discharges is shown below.



## 02479155 Cypress Creek near Janice, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1959	6/ 1/59	32.06	16,700 f	1978	5/ 3/78	20.20	2,910
1967	1/ 1/67	12.93	1,300	1979	4/ 4/79	28.67	10,700
1968	12/19/67	20.43	4,020	1980	3/30/80	22.03	3,900
1969	4/13/69	26.01	7,720	1981	2/10/81	24.25	5,650
1970	3/ 4/70	16.98	2,020	1982	2/ 3/82	18.83	2,380
1971	5/12/71	16.66	1,950	1983	4/ 7/83	29.51	12,100
1972	3/ 1/72	16.27	1,870	1984	2/27/84	19.51	2,590
1973	3/25/73	21.66	3,700	1985	9/23/85	20.41	2,960
1974	4/13/74	21.42	3,550	1986	10/30/85	20.65	3,070
1975	4/14/75	22.38	4,130	1987	2/27/87	15.02	2,130
1976	10/ 1/75	18.49	2,280	1988	3/25/88	17.49	2,030
1977	3/31/77	19.51	2,610				

HISTORICAL DATA: The 1959 peak is the highest known.

f Discharge is an historical peak.

# 02479160 Black Creek near Wiggins, MS

## LOCATION:

Lat 30°51'12", long 88°54'49", SW 1/4 sec.20, T.2 S., R.9 W., St. Stephens Meridian, Stone County, Hydrologic Unit 03170007, on left bank on downstream side of bridge on State Highway 26, 1.7 mi downstream from Flat Branch, 8.6 mi upstream from Sweetwater Creek, and 13.4 mi east of Wiggins.

## GAGE:

Continuous-discharge gage, water-stage recorder and crest-stage gage. Datum of gage is 48.94 ft above sea level.

DRAINAGE AREA: 701 mi<sup>2</sup> SLOPE: 3.0 ft/mi LENGTH: 103 mi

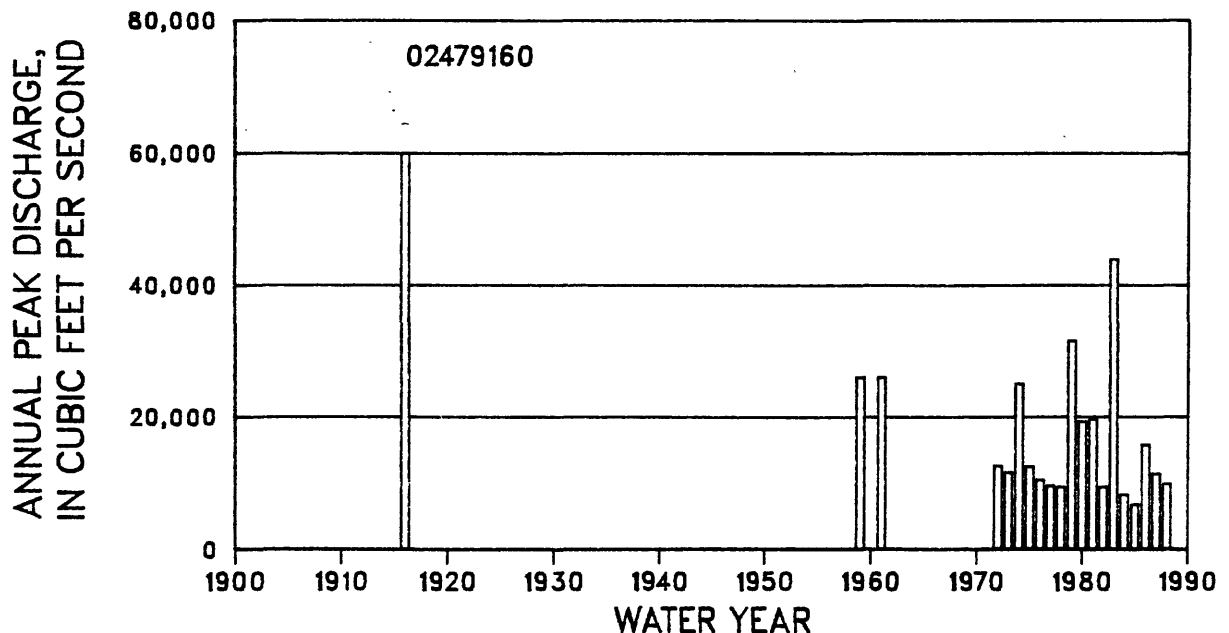
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.146  
STANDARD DEVIATION 0.226  
SKEW 0.792

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	13,100	21,000	28,000	39,400	50,000	62,700	78,000	103,000
REGIONAL	11,600	21,300	28,900	38,300	45,600	52,800	61,400	71,500
WEIGHTED	12,900	21,100	28,400	38,800	46,900	55,100	64,500	76,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	13	16	22	33	44	57	72	95
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	12	14	17	21	24	27	30	34

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 20

Graph of annual peak discharges is shown below.





## 02479160 Black Creek near Wiggins, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1916	7/ /16	30.50	60,000 f	1979	4/ 5/79	26.63	31,500
1959	6/ 3/59	25.88	26,000 f	1980	4/15/80	24.39	19,300
1961	2/19/61	25.83	26,000 cf	1981	2/12/81	24.45	19,600
1972	12/ 8/71	22.59	12,600	1982	2/ 4/82	21.33	9,440
1973	2/26/73	22.51	11,600	1983	4/ 8/83	28.81	43,900
1974	4/15/74	25.55	25,000	1984	12/31/83	20.55	8,260
1975	4/16/75	22.98	12,500	1985	12/ 6/84	18.66	6,780
1976	10/ 3/75	21.74	10,500	1986	10/31/85	23.45	15,800
1977	4/ 1/77	20.92	9,620	1987	8/16/87	21.96	11,400
1978	5/ 5/78	20.73	9,430	1988	3/28/88	21.34	9,880

HISTORICAL DATA: The 1916 peak is the highest known.

c Estimated.

f Discharge is an historical peak.

# 02479165 Mosquito Branch at Benndale, MS

## LOCATION:

Lat 30°51'48", long 88°49'17", SW 1/4 NE 1/4 sec.19, T.2 S., R.8 W., St. Stephens Meridian, George County, Hydrologic Unit 03170007, at culvert on State Highway 26, and 1.0 mi west of Benndale.

## GAGE:

Crest-stage gage. Elevation of gage is about 110 ft above sea level (from topographic map). Prior to Sept. 30, 1971, water-stage and rain-gage recorder also.

DRAINAGE AREA: 0.22 mi<sup>2</sup> SLOPE: 96.7 ft/mi LENGTH: 1.0 mi

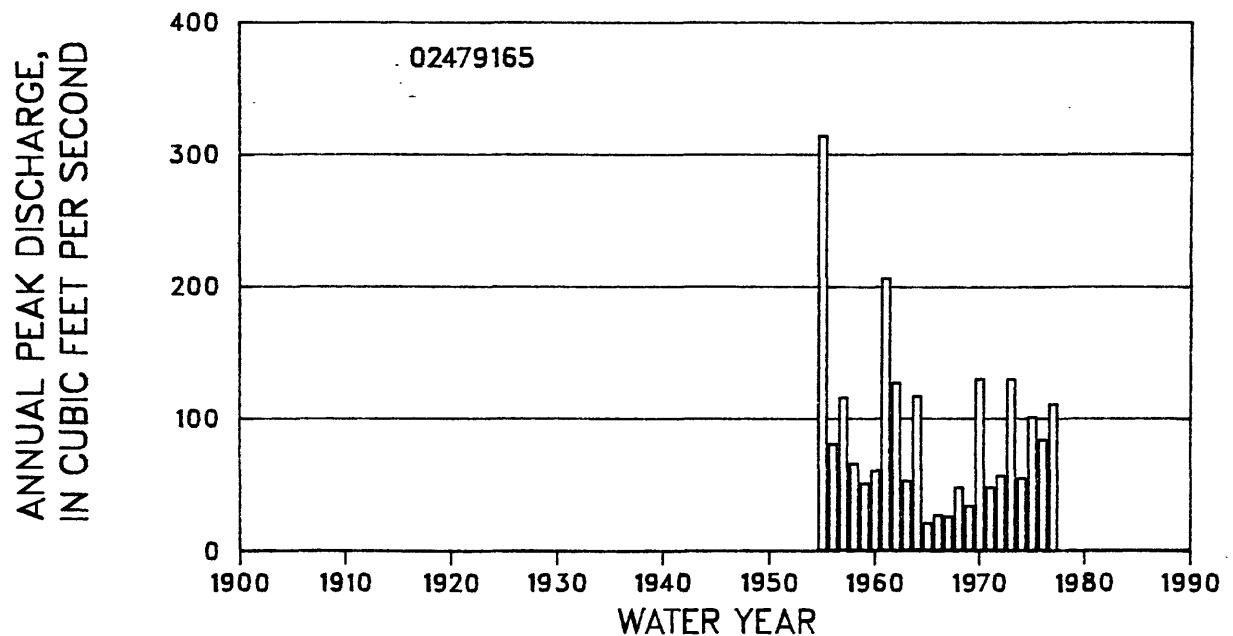
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 1.859  
STANDARD DEVIATION 0.291  
SKEW 0.288

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	70	126	174	249	317	395	486	629
REGIONAL	100	157	201	252	296	327	376	418
WEIGHTED	74	135	185	250	303	347	403	461

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	15	18	22	30	38	47	57	72
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	14	15	17	20	23	25	28	32

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 23

Graph of annual peak discharges is shown below.



## 02479165 Mosquito Branch at Benndale, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	4/12/55	9.25	314	1967	12/28/66	2.96	26
1956	7/10/56	4.27	81	1968	12/10/67	3.55	48
1957	9/18/57	4.99	116	1969	8/18/69	3.20	34
1958	9/22/58	3.91	66	1970	6/25/70	5.24	130
1959	8/ 2/59	3.59	51	1971	10/19/70	3.55	48
1960	5/ 7/60	3.81	61	1972	7/16/72	3.77	57
1961	3/19/61	6.61	206	1973	3/24/73	5.24	130
1962	11/14/61	5.20	127	1974	12/26/73	3.73	55
1963	1/ /63	3.62	53	1975	6/11/75	4.66	101
1964	4/26/64	5.00	117	1976	10/ 1/75	4.33	84
1965	8/ 8/65	2.80	21	1977	3/ 4/77	4.86	111
1966	3/13/66	3.00	27				

02479170 Black Creek near Benndale, MS

LOCATION:

Lat 30°46'48", long 88°45'46", SW 1/4 sec.14, T.3 S., R.8 W., St. Stephens Meridian, George County, Hydrologic Unit 03170007, at bridge on State Highway 57, 0.7 mi north from Broome School, and 7.6 mi south of Benndale.

GAGE:

Crest-stage gage. Datum of gage is sea level.

DRAINAGE AREA: 753 mi<sup>2</sup> SLOPE: 2.5 ft/mi LENGTH: 123 mi

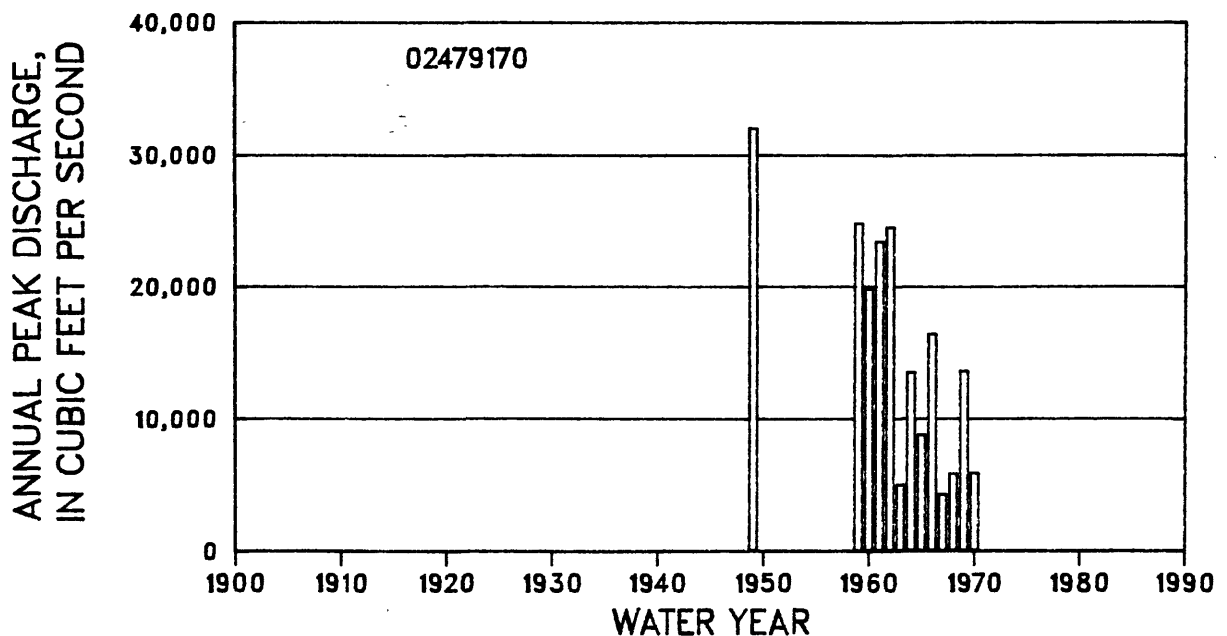
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.081  
STANDARD DEVIATION 0.291  
SKEW 0.198

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	11,800	21,000	28,800	40,700	51,200	63,100	76,600	97,400
REGIONAL	11,500	21,000	28,400	37,800	45,000	52,100	60,600	70,700
WEIGHTED	11,700	21,000	28,600	38,700	46,600	54,400	63,400	74,700

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	20	23	28	39	49	61	74	95
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	17	17	19	22	24	27	30	34

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 13

Graph of annual peak discharges is shown below.



## 02479170 Black Creek near Benndale, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1949	unknown	41.70	32,000 cf	1965	1/25/65	36.77	8,780
1959	6/ 3/59	40.15	24,800	1966	2/12/66	38.48	16,400
1960	5/ 9/60	38.99	19,800	1967	5/ 1/67	33.84	4,270
1961	2/19/61	39.87	23,400	1968	12/17/67	35.39	5,810
1962	12/12/61	40.19	24,500	1969	4/16/69	37.88	13,600
1963	1/20/63	34.64	4,990	1970	3/ 4/70	35.43	5,870
1964	4/26/64	37.84	13,500				

HISTORICAL DATA: The 1949 peak is the highest known.

c Estimated.

f Discharge is an historical peak.

# 02479180 Red Creek at Lumberton, MS

## LOCATION:

Lat 31°00'36", long 89°27'02", NW 1/4 sec.31, T.1 N., R.14 W., St. Stephens Meridian, Lamar County, Hydrologic Unit 03170007, at bridge on U.S. Highway 11, and 0.5 mi north of Lumberton.

## GAGE:

Crest-stage gage. Datum of gage is assumed.

DRAINAGE AREA: 15.7 mi<sup>2</sup> SLOPE: 13.9 ft/mi LENGTH: 7.4 mi

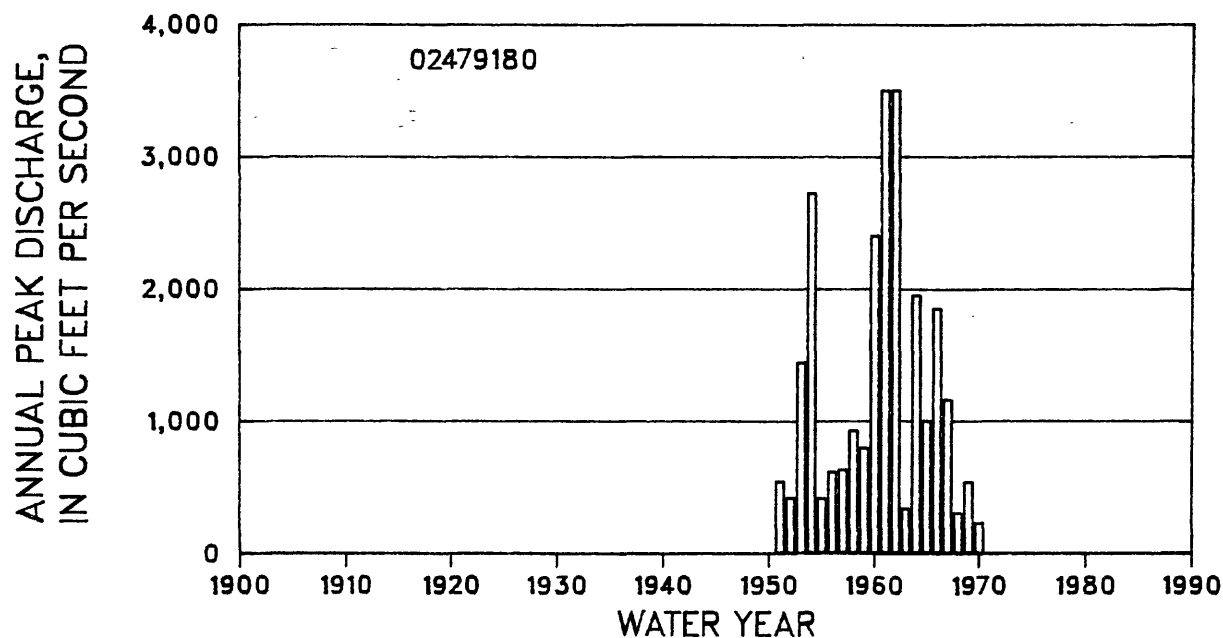
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.961  
STANDARD DEVIATION 0.363  
SKEW 0.458

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	857	1,800	2,760	4,470	6,210	8,430	11,300	16,200
REGIONAL	1,450	2,450	3,210	4,110	4,830	5,450	6,270	7,110
WEIGHTED	993	2,070	3,020	4,200	5,090	5,860	6,810	7,840

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	21	25	32	46	60	76	96	129
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	18	18	20	23	25	28	31	35

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 20

Graph of annual peak discharges is shown below.



## 02479180 Red Creek at Lumberton, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1951	unknown	94.51	543	1961	2/18/61	98.70	3,500
1952	5/19/52	94.23	419	1962	12/10/61	98.70	3,500
1953	4/25/53	95.95	1,440	1963	3/ 6/63	94.02	336
1954	12/ 4/53	97.70	2,720	1964	3/ 2/64	96.88	1,950
1955	2/ 6/55	94.22	414	1965	1/23/65	95.33	1,000
1956	3/11/56	94.66	616	1966	2/12/66	96.47	1,850
1957	9/18/57	94.69	631	1967	5/ 1/67	95.59	1,160
1958	9/22/58	95.22	929	1968	12/18/67	93.93	305
1959	7/ 3/59	95.00	798	1969	8/19/69	94.50	538
1960	5/ 6/60	97.26	2,400	1970	3/ 4/70	93.68	228

02479187 Red Creek tributary near Wiggins, MS

LOCATION:

Lat 30°50'55", long 89°13'40", SW 1/4 NE 1/4 NE 1/4 sec.30, T.2 S., R.12 W., St. Stephens Meridian, Stone County, Hydrologic Unit 03170007, at culvert on State Highway 26, and 5.3 mi west of Wiggins.

GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Sept. 14, 1971, water-stage and rain-gage recorder also.

DRAINAGE AREA: 0.22 mi<sup>2</sup> SLOPE: 48.0 ft/mi LENGTH: 1.0 mi

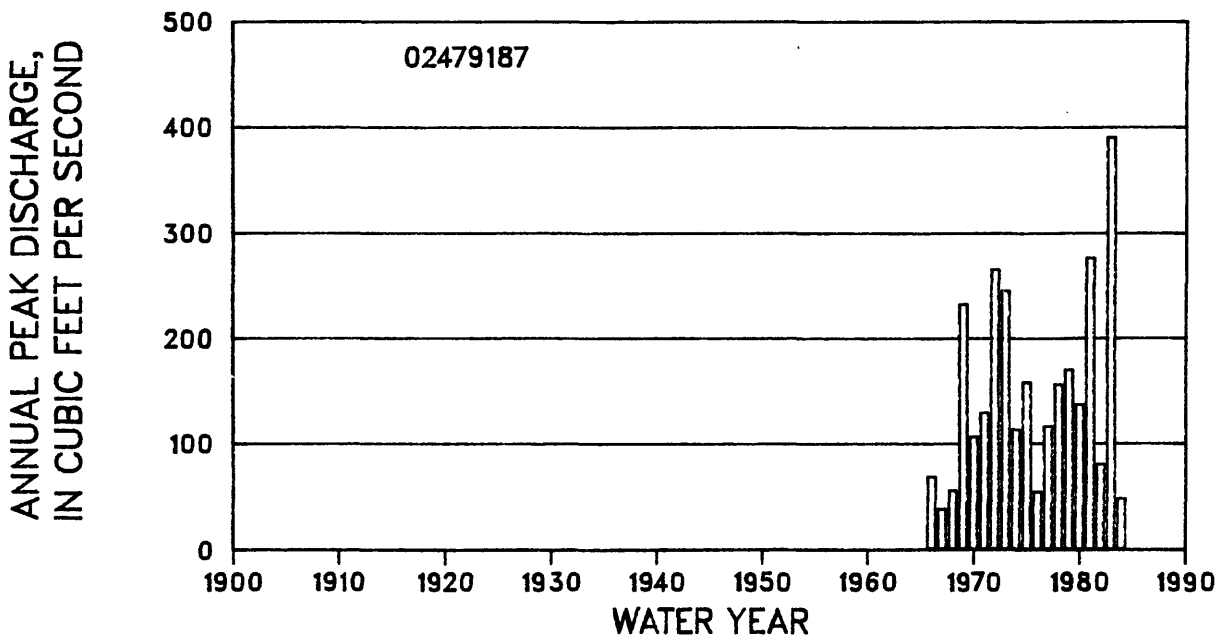
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.089  
STANDARD DEVIATION 0.287  
SKEW 0.366

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	118	211	292	422	540	679	843	1,100
REGIONAL	98	149	189	235	274	303	345	384
WEIGHTED	114	187	237	294	338	372	421	470

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	17	20	25	35	44	55	67	86
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	15	16	18	21	24	26	29	34

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 19

Graph of annual peak discharges is shown below.





## 02479187 Red Creek tributary near Wiggins, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1966	2/15/66	4.20	68	1976	3/30/76	4.91	54
1967	7/13/67	3.52	38	1977	10/16/76	5.28	116
1968	12/19/67	4.34	55	1978	5/ 3/78	5.22	156
1969	4/13/69	7.36	232	1979	4/24/79	6.34	170
1970	6/ 1/70	5.07	106	1980	4/13/80	5.70	137
1971	5/12/71	5.54	129	1981	2/11/81	8.02	276
1972	3/ 1/72	7.86	265	1982	4/20/82	4.80	80
1973	2/13/73	7.57	245	1983	4/ 6/83	9.54	390
1974	4/13/74	5.22	113	1984	12/28/83	4.94	48
1975	8/ 1/75	6.12	158				

# 02479190 Red Creek near Wiggins, MS

## LOCATION:

Lat 30°50'43", long 89°12'20", NW 1/4 sec.28, T.2 S., R.12 W., St. Stephens Meridian, Stone County, Hydrologic Unit 03170007, at bridge on old State Highway 26, and 4.0 mi west of Wiggins.

## GAGE:

Crest-stage gage. Datum of gage is 100.00 ft above sea level.

DRAINAGE AREA: 177 mi<sup>2</sup> SLOPE: 5.0 ft/mi LENGTH: 32.0 mi

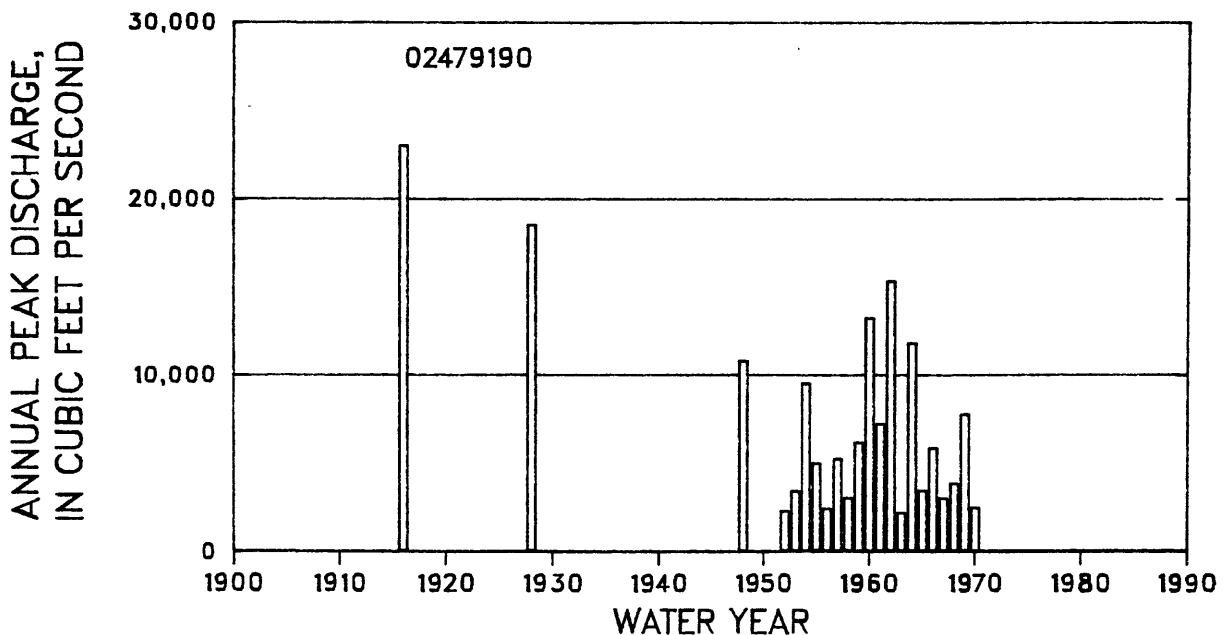
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.704  
STANDARD DEVIATION 0.273  
SKEW 0.474

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	4,810	8,420	11,600	16,700	21,400	27,000	33,700	44,400
REGIONAL	5,910	10,400	14,000	18,200	21,500	24,600	28,400	32,700
WEIGHTED	4,980	9,000	12,600	17,600	21,500	25,200	29,600	34,800

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	15	18	23	32	42	52	64	82
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	13	15	17	20	23	26	29	33

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 22

Graph of annual peak discharges is shown below.



## 02479190 Red Creek near Wiggins, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1916	7/ /16	53.00	23,000 cf	1960	5/ 7/60	47.49	13,200
1928	unknown	50.50	18,500 f	1961	6/20/61	42.37	7,250
1948	unknown	45.80	10,800 f	1962	12/10/61	48.82	15,300
1952	5/20/52	33.01	2,300	1963	1/20/63	32.60	2,180
1953	6/27/53	36.30	3,420	1964	4/26/64	46.51	11,800
1954	12/ 4/53	44.65	9,520	1965	1/24/65	36.34	3,440
1955	4/12/55	39.29	5,000	1966	2/13/66	40.53	5,870
1956	3/12/56	33.43	2,430	1967	1/14/67	35.24	3,000
1957	9/18/57	39.64	5,250	1968	12/ 9/67	37.30	3,850
1958	11/27/57	35.36	3,040	1969	4/14/69	42.98	7,780
1959	6/ 9/59	40.97	6,180	1970	3/ 4/70	33.64	2,480

HISTORICAL DATA: The 1916 peak is the highest known since 1850.

c Estimated.

f Discharge is an historical peak.

02479200 Flint Creek near Wiggins, MS

LOCATION:

Lat 30°50'40", long 89°04'30", NW 1/4 SE 1/4 sec.27, T.2 S., R.11 W., St. Stephens Meridian, Stone County, Hydrologic Unit 03170007, near left bank on downstream side of bridge on State Highway 26, 0.6 mi upstream from Kirby Creek, 0.8 mi downstream from Bridge Creek, and 3.8 mi east of Wiggins.

GAGE:

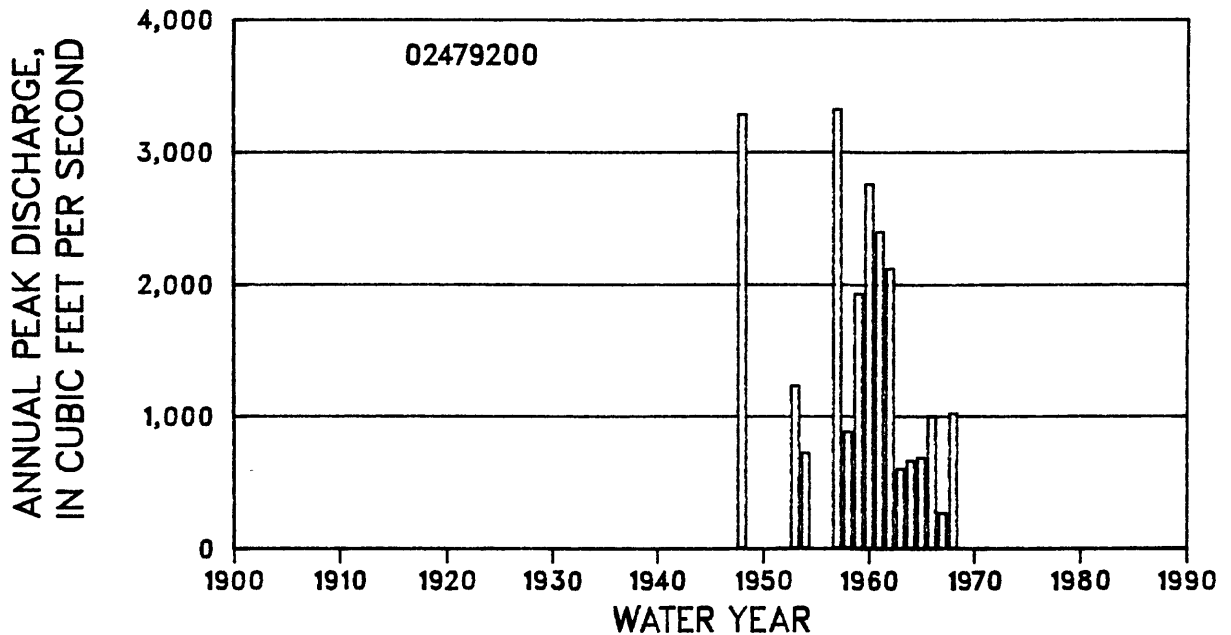
Continuous-discharge gage, water-stage recorder. Datum of gage is 132.05 ft above sea level.

DRAINAGE AREA: 24.9 mi<sup>2</sup> SLOPE: 13.4 ft/mi LENGTH: 8.3 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:	MEAN	3.125
	STANDARD DEVIATION	0.279
	SKEW	0.403

Note: The discharges are affected by regulation. Statistics of logarithms of annual peak discharge are for natural conditions. The post-regulation period of record is insufficient for flood-frequency analysis.

Graph of annual peak discharges is shown below.



## 02479200 Flint Creek near Wiggins, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1948	unknown	16.00	3,280 f	1962	12/10/61	14.83	2,120
1953	4/25/53	13.40	1,230	1963	1/20/63	11.64	604
1954	12/ 4/53	12.16	721	1964	8/18/64	11.95	663
1957	9/18/57	16.17	3,320	1965	1/23/65	12.04	684
1958	11/19/57	12.73	880	1966	1/ 5/66	13.00	1,000 k
1959	6/ 9/59	14.42	1,930	1967	11/12/66	7.95	268 k
1960	5/ 7/60	15.51	2,760	1968	12/10/67	13.04	1,020 k
1961	3/17/61	15.12	2,400				

HISTORICAL DATA: The 1957 peak is the highest known since 1948.

f Discharge is an historical peak.

k Discharge affected by regulation.

02479260 Bluff Creek tributary near Whites Crossing, MS

LOCATION:

Lat 30°51'10", long 88°57'30", NE 1/4 SW 1/4 SE 1/4 sec.23, T.2 S., R.10 W., St. Stephens Meridian, Stone County, Hydrologic Unit 03170007, at culvert on State Highway 26, and 5.0 mi east of Whites Crossing.

GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Sept. 15, 1971, water-stage and rain-gage recorder also.

DRAINAGE AREA: 0.82 mi<sup>2</sup> SLOPE: 31.7 ft/mi LENGTH: 1.1 mi

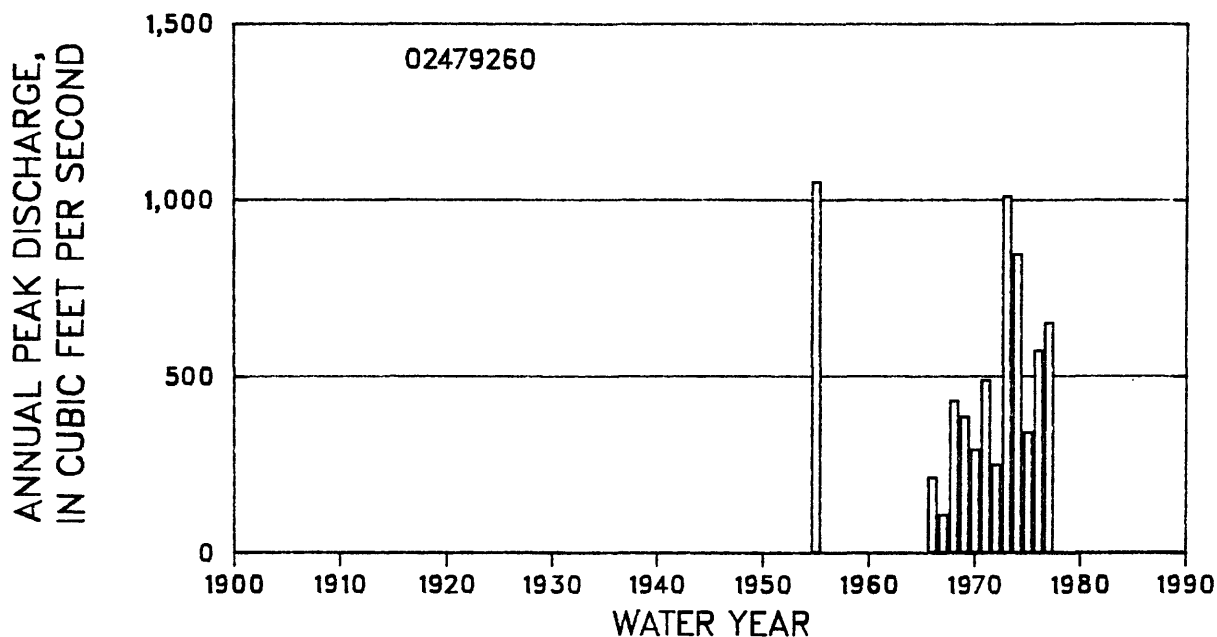
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.616  
STANDARD DEVIATION 0.275  
SKEW 0.111

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	408	701	936	1,280	1,570	1,900	2,250	2,780
REGIONAL	270	423	538	668	777	860	978	1,090
WEIGHTED	368	576	711	856	970	1,060	1,190	1,320

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	19	21	26	35	43	53	64	81
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	17	17	18	21	24	26	29	33

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 13

Graph of annual peak discharges is shown below.



02479260 Bluff Creek tributary near Whites Crossing, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	4/12/55	9.30	1,050 f	1972	1/ 4/72	4.66	249
1966	2/16/66	5.06	212	1973	3/24/73	8.13	1,010
1967	2/ 6/67	4.28	107	1974	11/ 5/73	7.44	846
1968	12/10/67	5.86	432	1975	3/30/75	5.57	341
1969	8/18/69	5.72	386	1976	2/21/76	6.31	573
1970	3/ 3/70	5.40	292	1977	3/ 4/77	6.63	651
1971	10/19/70	6.17	490				

HISTORICAL DATA: The 1973 peak is the highest known since 1955.

f Discharge is an historical peak.

# 02479300 Red Creek at Vestry, MS

## LOCATION:

Lat 30°44'10", long 88°46'50", SW 1/4 SW 1/4 sec.34, T.3 S., R.8 W., St. Stephens Meridian, George County, Hydrologic Unit 03170007, near center of channel on downstream side of bridge on county highway, 0.5 mi north of Vestry, and 1.1 mi upstream from Little Red Creek.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 20.10 ft above sea level.

DRAINAGE AREA: 441 mi<sup>2</sup>      SLOPE: 2.9 ft/mi      LENGTH: 76.1 mi

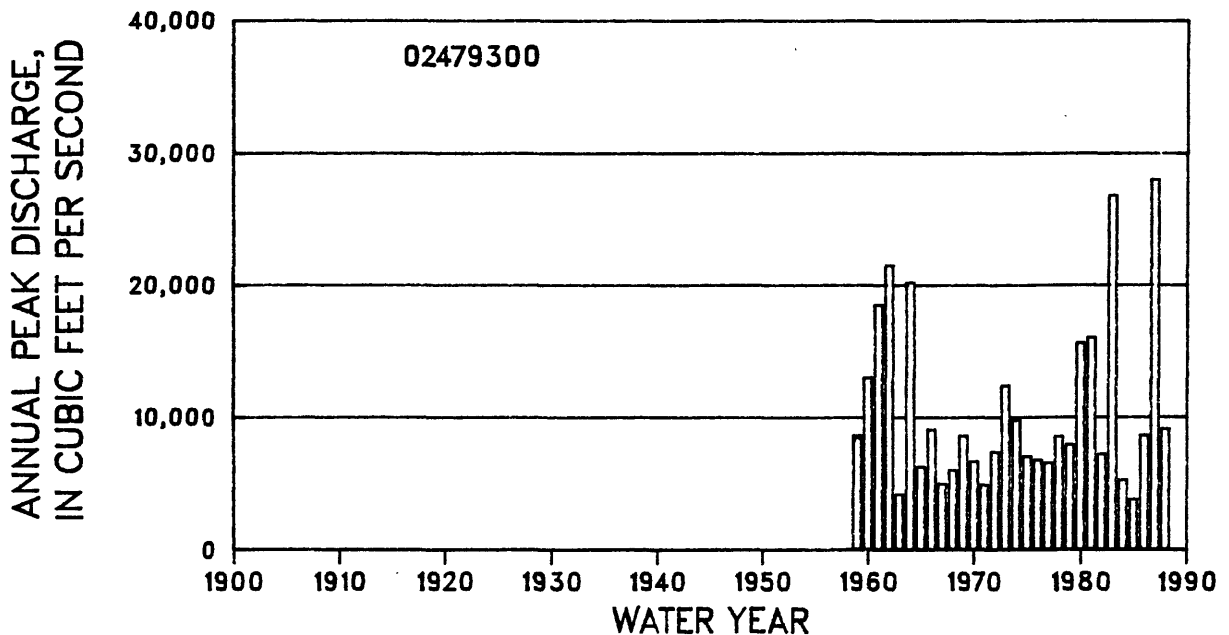
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN      3.962  
    STANDARD DEVIATION      0.233  
    SKEW      0.614

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	8,670	14,100	18,700	26,000	32,700	40,500	49,600	64,300
REGIONAL	8,910	16,000	21,500	28,400	33,600	38,800	45,000	52,200
WEIGHTED	8,690	14,500	19,500	27,100	33,200	39,400	46,400	55,300

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	11	13	17	25	33	41	50	64
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	10	12	14	18	21	24	27	32

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 30

Graph of annual peak discharges is shown below.





## 02479300 Red Creek at Vestry, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1959	6/11/59	15.30	8,600	1974	4/17/74	15.66	9,780
1960	5/ 9/60	16.42	13,000	1975	5/10/75	14.74	7,020
1961	2/20/61	18.40	18,500	1976	10/ 3/75	14.65	6,750
1962	12/12/61	18.56	21,500	1977	4/ 2/77	14.58	6,540
1963	1/22/63	13.48	4,170	1978	1/26/78	15.38	8,550
1964	4/28/64	18.78	20,200	1979	3/ 6/79	15.16	7,930
1965	1/25/65	14.33	6,260	1980	4/14/80	18.80	15,600
1966	2/15/66	15.38	9,080	1981	2/12/81	18.94	16,000
1967	1/ 3/67	13.83	4,980	1982	2/ 2/82	15.62	7,210
1968	12/12/67	14.40	6,000	1983	4/ 8/83	21.18	26,800
1969	4/16/69	15.27	8,610	1984	12/31/83	14.87	5,260
1970	3/ 6/70	14.62	6,660	1985	12/ 7/84	14.12	3,790
1971	12/18/70	14.02	4,890	1986	10/31/85	16.27	8,620
1972	5/14/72	14.86	7,380	1987	8/15/87	21.48	28,000
1973	3/27/73	16.53	12,400	1988	3/ 6/88	15.99	9,090

# 02479560 Escatawpa River near Agricola, MS

## LOCATION:

Lat 30°48'32", long 88°27'14", SW 1/4 SW 1/4 sec.2, T.3 S., R.5 W., St. Stephens Meridian, George County, Hydrologic Unit 03170008, near left bank on downstream side of bridge on County Road 612, 2.5 mi west from AL-MS state line, 3.7 mi east of Agricola, 4.8 mi downstream from old gage at Escatawpa River near Wilmer, AL(Station 02479500), 6.7 mi west of Wilmer, AL, and 50.6 mi upstream from mouth.

## GAGE:

Continuous-discharge gage, water-stage recorder. Elevation of gage is about 50 ft above sea level(from topographic map).

DRAINAGE AREA: 562 mi<sup>2</sup> SLOPE: 2.7 ft/mi LENGTH: 61.1 mi

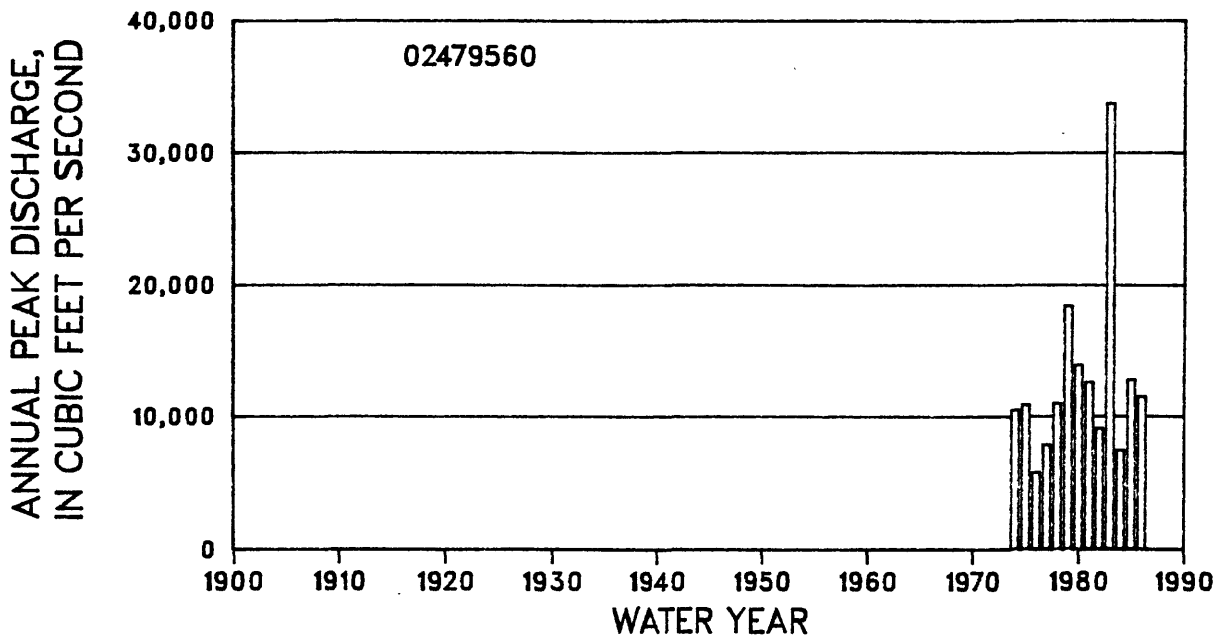
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.061  
STANDARD DEVIATION 0.190  
SKEW 0.570

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	11,000	16,400	20,600	26,800	32,100	38,100	44,800	55,000
REGIONAL	11,700	21,100	28,300	37,200	43,900	50,600	58,400	67,700
WEIGHTED	11,100	17,600	23,400	32,200	39,400	46,600	54,700	64,800

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	13	16	21	31	40	50	62	80
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	12	14	16	20	23	26	29	33

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 13

Graph of annual peak discharges is shown below.



## 02479560 Escatawpa River near Agricola, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1974	4/17/74	17.85	10,500	1981	2/12/81	18.20	12,600
1975	4/12/75	18.06	10,900	1982	2/ 5/82	16.96	9,100
1976	10/ 3/75	15.37	5,800	1983	4/ 9/83	22.39	33,700
1977	4/ 1/77	16.53	7,860	1984	5/23/84	16.24	7,470
1978	6/11/78	18.10	11,000	1985	9/25/85	18.25	12,800
1979	3/ 5/79	19.67	18,400	1986	10/31/85	17.84	11,500
1980	4/14/80	18.56	13,900				

02479600 Escatawpa River near Hurley, MS

LOCATION:

Lat 30°37'45", long 88°26'00", NE 1/4 sec.12, T.5 S., R.5 W., St. Stephens Meridian, Jackson County, Hydrologic Unit C3170008, at bridge on county highway, 1.7 mi downstream from Spring Creek, and 4.2 mi southeast of Hurley.

GAGE:

Crest-stage gage. Datum of gage is 15.14 ft above sea level.

DRAINAGE AREA: 646 mi<sup>2</sup> SLOPE: 2.5 ft/mi LENGTH: 77.7 mi

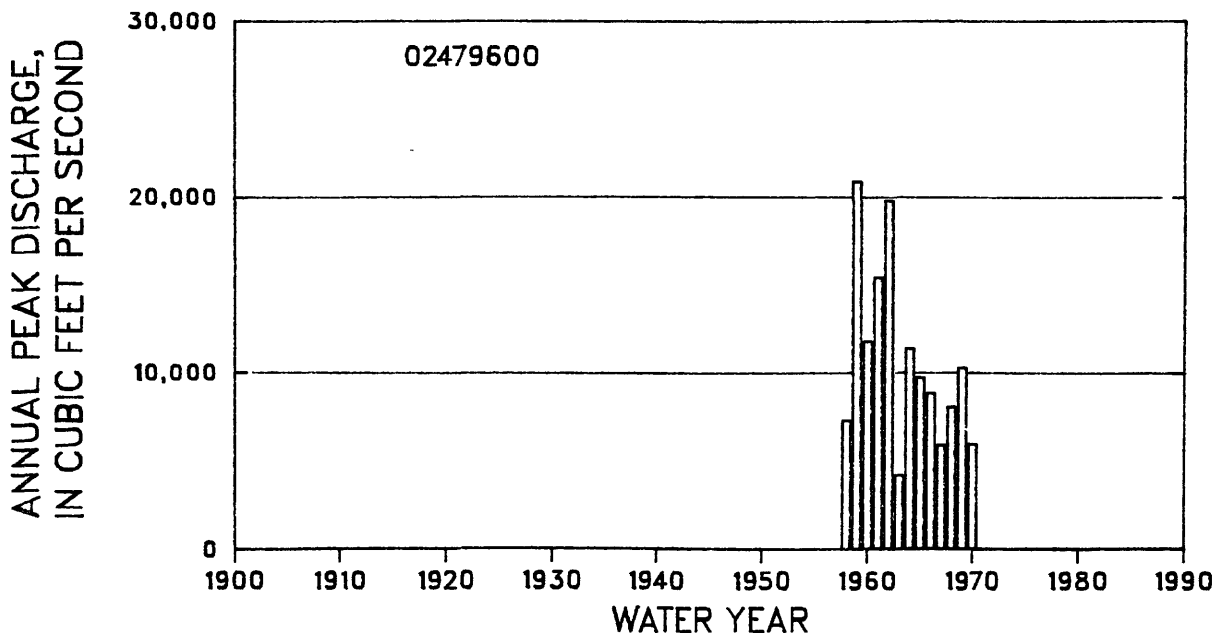
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.987  
STANDARD DEVIATION 0.205  
SKEW 0.291

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	9,490	14,300	18,000	23,200	27,500	32,100	37,200	44,600
REGIONAL	12,000	21,600	29,200	38,400	45,500	52,500	60,800	70,600
WEIGHTED	9,850	16,100	21,700	30,300	37,300	44,400	52,400	62,500

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	14	17	21	28	36	44	53	67
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	13	14	16	19	22	25	28	32

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 13

Graph of annual peak discharges is shown below.



## 02479600 Escatawpa River near Hurley, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1958	7/23/58	--	7,340	1965	1/23/65	12.38	9,760
1959	6/ 3/59	16.25	20,900	1966	2/11/66	12.06	8,870
1960	5/ 9/60	13.06	11,800	1967	2/ 1/67	10.96	5,920
1961	2/22/61	14.35	15,400	1968	10/30/67	11.78	8,100
1962	12/14/61	15.84	19,800	1969	8/19/69	12.57	10,300
1963	1/21/63	10.16	4,220	1970	3/ 4/70	10.98	5,970
1964	4/26/64	12.96	11,400				

# 02480250 Bluff Creek near Vancleave, MS

## LOCATION:

Lat 30°32'52", long 88°42'56", SE 1/4 sec.5, T.6 S., R.7 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170006, on right bank of stream, and 2.1 mi northwest of Vancleave.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 1.97 ft above sea level.

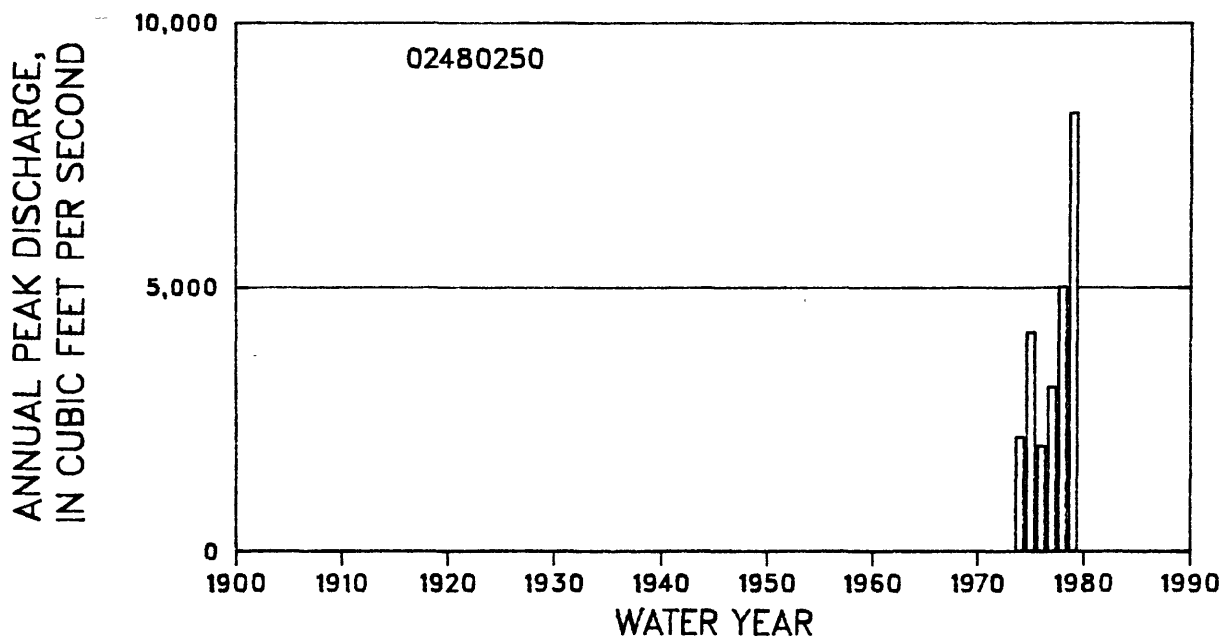
DRAINAGE AREA: 52.0 mi<sup>2</sup>      SLOPE: 7.8 ft/mi      LENGTH: 15.5 mi

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
REGIONAL	2,880	4,960	6,560	8,470	9,980	11,300	13,100	14,900

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
REGIONAL	34	27	26	27	29	31	34	38

NOTE: The systematic period of record is insufficient for station flood-frequency analysis; therefore, only regional flood-frequency discharges are presented in this report.

Graph of annual peak discharges is shown below.



## 02480250 Bluff Creek near Vancleave, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1974	9/ 8/74	15.72	2,180	1977	9/ 6/77	18.95	3,130
1975	7/31/75	20.71	4,160	1978	1/25/78	19.51	5,020
1976	3/27/76	15.03	2,010	1979	9/13/79	21.47	8,310

# 02480500 Tuxachanie Creek near Biloxi, MS

## LOCATION:

Lat 30°31'35", long 88°54'40", SE 1/4 NW 1/4 sec.20, T.6 S., R.9 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, at bridge on State Highway 15, and 7.0 mi north from Biloxi city limits.

## GAGE:

Crest-stage gage. From 1952 to 1971, continuous-discharge gage, water-stage recorder. Datum of gage is 2.91 ft above sea level.

DRAINAGE AREA: 92.4 mi<sup>2</sup> SLOPE: 6.8 ft/mi LENGTH: 26.1 mi

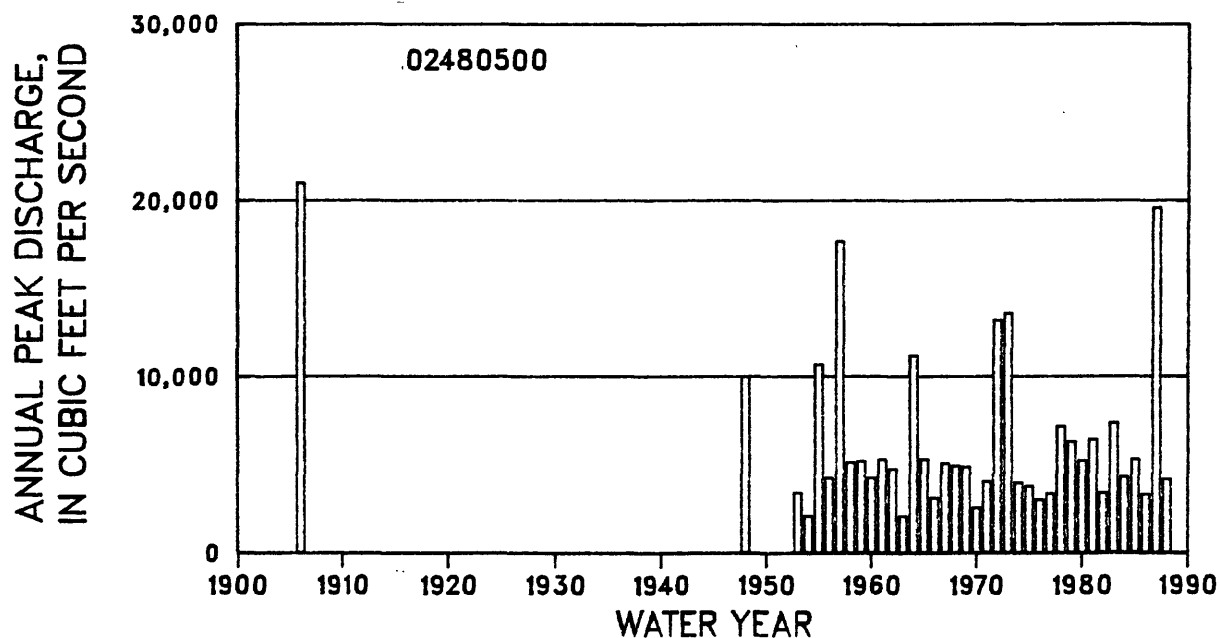
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.719  
STANDARD DEVIATION 0.230  
SKEW 0.833

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	4,870	7,890	10,600	15,100	19,300	24,400	30,600	40,900
REGIONAL	3,790	6,640	8,850	11,500	13,600	15,600	18,000	20,700
WEIGHTED	4,770	7,660	10,100	13,400	15,900	18,300	21,200	24,700

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	10	12	16	25	33	42	52	67
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	9	11	14	18	21	24	28	32

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 38

Graph of annual peak discharges is shown below.





-02480500 Tuxachanie Creek near Biloxi, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1906	9/ /06	23.20	21,000 f	1970	7/26/70	11.38	2,550
1948	unknown	19.10	10,000 f	1971	12/16/70	14.55	4,030
1953	6/28/53	12.26	3,400	1972	5/ 7/72	20.49	13,200
1954	12/12/53	9.21	2,110	1973	9/13/73	20.66	13,600
1955	4/13/55	19.48	10,700	1974	2/ 7/74	14.47	3,980
1956	9/24/56	14.03	4,240	1975	8/ 1/75	14.13	3,780
1957	9/19/57	22.22	17,700	1976	5/28/76	--	3,000 c
1958	3/ 6/58	15.57	5,120	1977	5/ 3/77	13.33	3,360
1959	6/ 9/59	15.70	5,190	1978	1/25/78	18.07	7,180
1960	9/16/60	14.04	4,240	1979	3/ 4/79	17.52	6,300
1961	4/12/61	15.82	5,270	1980	4/14/80	16.27	5,220
1962	11/14/61	14.96	4,730	1981	2/11/81	17.64	6,430
1963	1/20/63	9.26	2,080	1982	2/ 2/82	13.85	3,400
1964	4/27/64	19.72	11,200	1983	4/ 8/83	19.60	7,380
1965	1/23/65	16.66	5,290	1984	12/11/83	16.00	4,300
1966	2/28/66	13.05	3,100	1985	9/24/85	18.12	5,290
1967	9/ 7/67	16.09	5,070	1986	10/30/85	--	3,300 h
1968	10/31/67	15.88	4,920	1987	8/15/87	23.63	19,600
1969	8/18/69	15.78	4,850	1988	4/ 2/88	15.68	4,170

HISTORICAL DATA: The 1957 peak is the highest known since 1906.

c Estimated.

f Discharge is an historical peak.

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

# 02481000 Biloxi River at Wortham, MS

## LOCATION:

Lat 30°33'30", long 89°07'20", SE 1/4 SE 1/4 sec.31, T.5 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on downstream side of right main pier of upstream bridge of dual bridges on U.S. Highway 49, 0.8 mi east of Wortham, 1.3 mi downstream from Illinois Central and Gulf Railroad bridge, 1.1 mi upstream from Saucier Creek, about 4.2 mi north of Lyman, and 18.8 mi upstream from mouth.

## GAGE:

Continuous-dishcharge gage, water-stage recorder. Datum of gage is 19.18 ft above Mississippi State Highway Department Datum. Prior to Oct. 1, 1977, at datum 2.00 ft higher.

DRAINAGE AREA: 96.2 mi<sup>2</sup> SLOPE: 7.3 ft/mi LENGTH: 29.6 mi

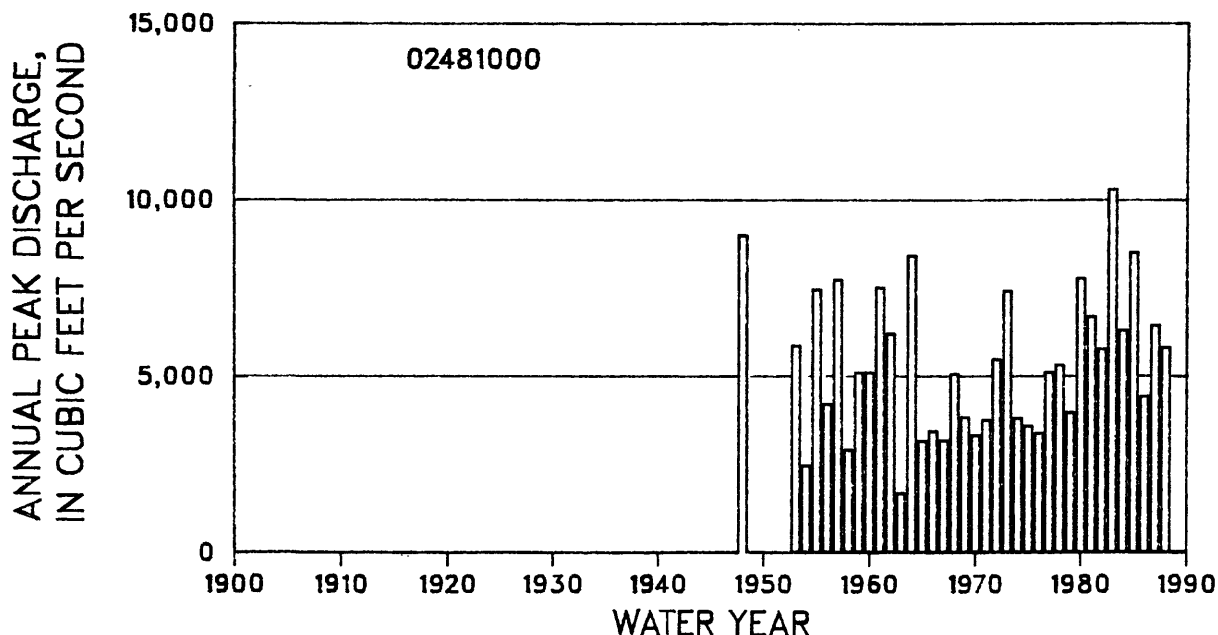
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.699  
STANDARD DEVIATION 0.156  
SKEW 0.138

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	4,960	6,750	7,970	9,550	10,700	12,000	13,200	15,000
REGIONAL	3,750	6,610	8,840	11,500	13,700	15,600	18,100	20,800
WEIGHTED	4,910	6,740	8,050	9,840	11,200	12,800	14,400	16,600

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	6	7	9	12	14	17	20	25
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	6	7	8	11	13	15	17	20

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 37

Graph of annual peak discharges is shown below.



## 02481000 Biloxi River at Wortham, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1948	unknown	23.30 a	9,000 f	1971	12/16/70	13.39 a	3,770
1953	4/25/53	16.84 a	5,880	1972	1/20/72	16.84 a	5,490
1954	12/12/53	10.28 a	2,470	1973	9/13/73	20.33 a	7,420
1955	4/13/55	19.33 a	7,460	1974	4/13/74	13.15 a	3,820
1956	9/24/56	13.86 a	4,220	1975	6/11/75	12.97 a	3,600
1957	9/18/57	21.08 a	7,740	1976	5/28/76	12.44 a	3,390
1958	1/21/58	11.34 a	2,920	1977	3/12/77	16.12 a	5,130
1959	6/ 9/59	15.47 a	5,120	1978	5/ 3/78	18.43 b	5,320
1960	9/16/60	16.60 a	5,120	1979	9/13/79	15.79	3,980
1961	3/17/61	20.50 a	7,520	1980	4/13/80	22.94	7,780
1962	11/14/61	18.26 a	6,210	1981	2/10/81	19.29	6,690
1963	1/20/63	8.19 a	1,690	1982	4/25/82	19.10	5,780
1964	4/27/64	20.94 a	8,420	1983	4/ 8/83	25.30	10,300
1965	1/23/65	11.91 a	3,170	1984	12/11/83	18.84	6,300
1966	1/ 5/66	12.60 a	3,450	1985	9/23/85	22.55	8,500
1967	1/ 1/67	11.95 a	3,190	1986	10/29/85	15.34	4,440
1968	12/10/67	16.02 a	5,080	1987	3/18/87	20.06	6,440
1969	3/18/69	13.53 a	3,840	1988	4/ 2/88	19.04	5,820
1970	3/ 4/70	12.31 a	3,330				

HISTORICAL DATA: The 1948 peak is the highest known since 1916.

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

f Discharge is an historical peak.

# 02481130 Biloxi River near Lyman, MS

## LOCATION:

Lat 30°29'18", long 89°02'09", SE 1/4 SE 1/4 sec.25, T.6 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on downstream side of left main pier of bridge on county highway, 1.2 downstream from Little Biloxi River, 4.6 mi east of Lyman, and 13.3 mi upstream from mouth.

## GAGE:

Crest-stage gage using water-stage recorder and nonrecording gage. Datum of gage is 3.00 ft below sea level.

DRAINAGE AREA: 251 mi<sup>2</sup>      SLOPE: 6.0 ft/mi      LENGTH: 38.2 mi

## STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:

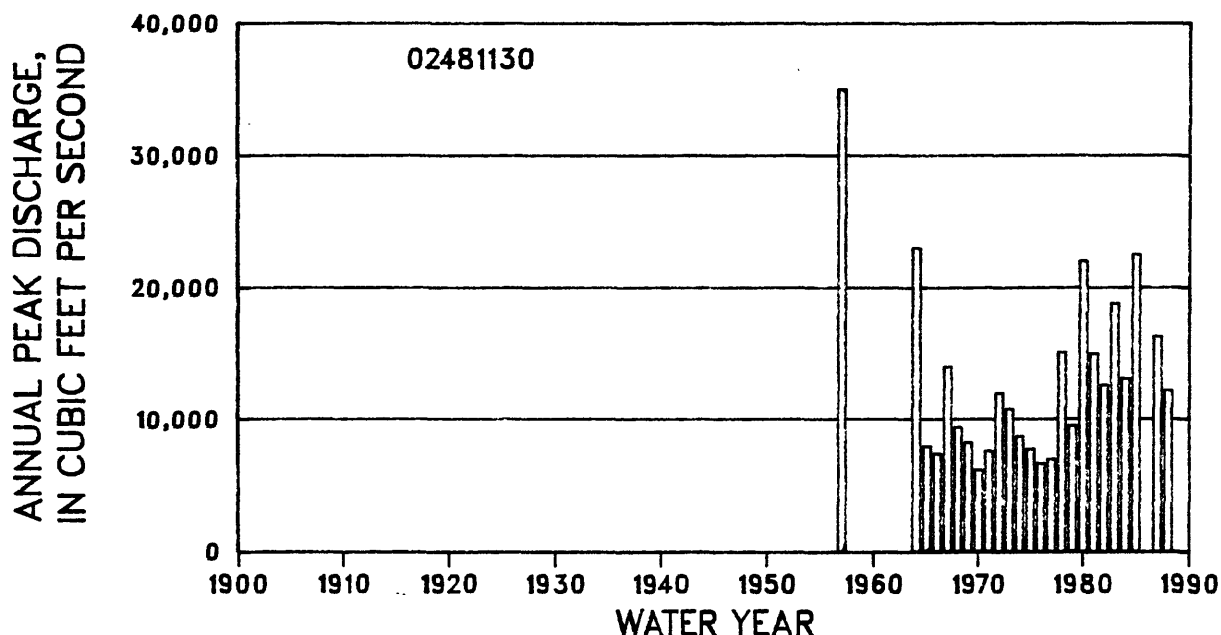
MEAN 4.068  
STANDARD DEVIATION 0.193  
SKEW 0.662

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	11,100	16,600	21,100	27,900	33,800	40,500	48,200	60,100
REGIONAL	7,390	13,300	18,000	23,600	28,000	32,000	37,100	42,800
WEIGHTED	10,700	16,000	20,200	25,900	30,600	35,200	40,700	47,400

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	10	12	16	23	30	38	47	60
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	9	11	14	18	21	24	27	31

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 25

Graph of annual peak discharges is shown below.



## 02481130 Biloxi River near Lyman, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1957	9/ /57	21.50 c	35,000 cf	1976	5/29/76	16.62	6,670
1964	4/ /64	--	23,000 c	1977	3/12/77	16.80	6,990
1965	1/23/65	17.30	7,950	1978	1/25/78	18.70	15,100
1966	2/28/66	17.02	7,400	1979	2/24/79	17.70	9,500
1967	9/ 7/67	18.50	14,000	1980	4/14/80	19.75	22,000
1968	12/10/67	17.67	9,400	1981	2/11/81	18.68	15,000
1969	3/18/69	17.44	8,230	1982	4/26/82	18.26	12,600
1970	3/ 4/70	16.33	6,200	1983	4/ 8/83	19.36	18,800
1971	12/16/70	17.12	7,590	1984	12/11/83	18.30	13,100
1972	1/12/72	18.18	12,000	1985	9/24/85	19.78	22,500
1973	3/25/73	17.94	10,800	1987	8/15/87	19.46	16,300
1974	4/14/74	17.53	8,700	1988	4/ 2/88	18.72	12,200
1975	5/ 9/75	17.20	7,750				

HISTORICAL DATA: The 1957 peak is the highest known.

c Estimated.

f Discharge is an historical peak.

# 02481150 Biloxi River near Loraine, MS

## LOCATION:

Lat 30°27'10", long 89°00'50", NW 1/4 sec.8, T.7 S., R.10 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, at bridge on county road near Loraine, and 4.0 mi north of Mississippi City.

## GAGE:

Crest-stage gage. Datum of gage is 18.26 ft below sea level.

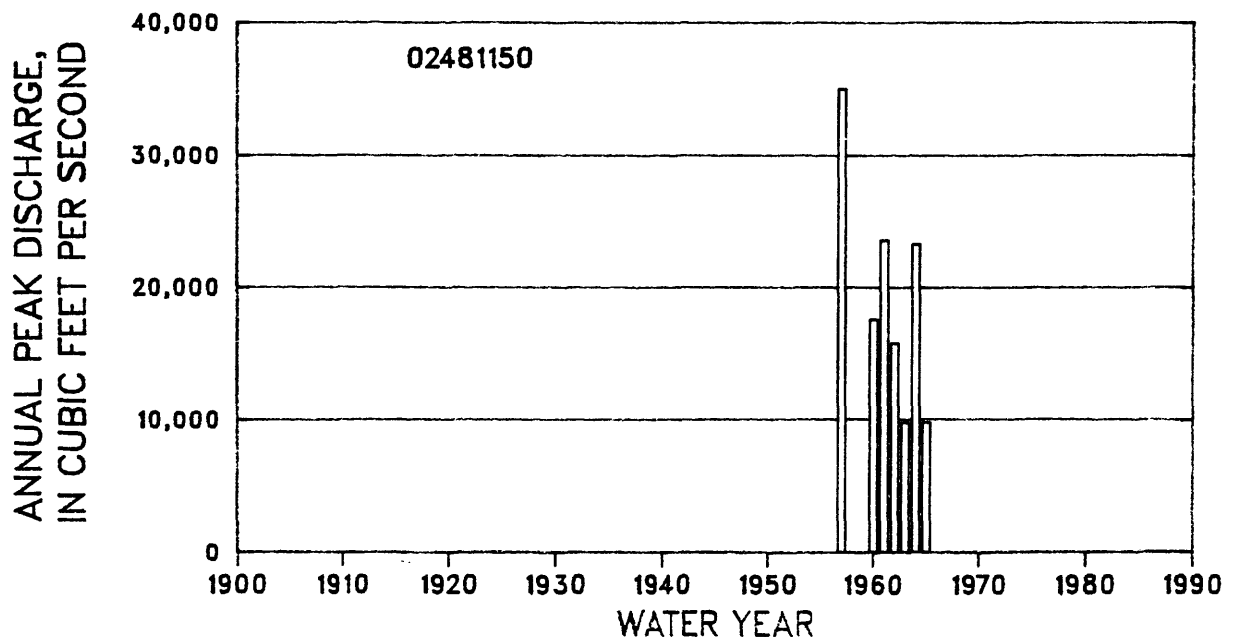
DRAINAGE AREA: 260 mi<sup>2</sup>      SLOPE: 5.1 ft/mi      LENGTH: 44.0 mi

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
REGIONAL	7,190	12,900	17,400	22,800	27,100	31,100	36,000	41,600
WEIGHTED - TRANSFER	10,900	16,300	20,600	26,400	31,200	35,900	41,500	48,400

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED - TRANSFER	--	--	--	--	--	--	--	--

NOTE: The systematic period of record is insufficient for station flood-frequency analysis; therefore, only regional flood-frequency discharges are presented in this report. For an improved estimate, the weighted flood-frequency discharge at station 02481130 was transferred to this site and weighted with the regional estimate at this site using the technique described by Landers and Wilson (1991). No estimate of the standard error for this weighted-transfer discharge is presented, but is probably slightly smaller than the estimates shown for the regional.

Graph of annual peak discharges is shown below.



## 02481150 Biloxi River near Loraine, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1957	9/ /57	27.29 c	35,000 cf	1963	unknown	--	9,800 ch
1960	9/15/60	24.17	17,600	1964	4/27/64	25.35	23,300
1961	3/19/61	25.48	23,600	1965	unknown	--	9,800 ch
1962	11/16/61	23.76	15,800				

HISTORICAL DATA: The 1957 peak is the highest known.

c Estimated.

f Discharge is an historical peak.

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

02481400 Wolf River near Poplarville, MS

LOCATION:

Lat 30°50'50", long 89°28'20", W 1/2 sec.26, T.2 S., R.15 W., St. Stephens Meridian, Pearl River County, Hydrologic Unit 03170009, at bridge on State Highway 26, and 4.0 mi east of Poplarville.

GAGE:

Crest-stage gage. Datum of gage is sea level. For 1952 to 1956 water years, at site 0.2 mi downstream.

DRAINAGE AREA: 71 mi<sup>2</sup> SLOPE: 8.1 ft/mi LENGTH: 20.6 mi

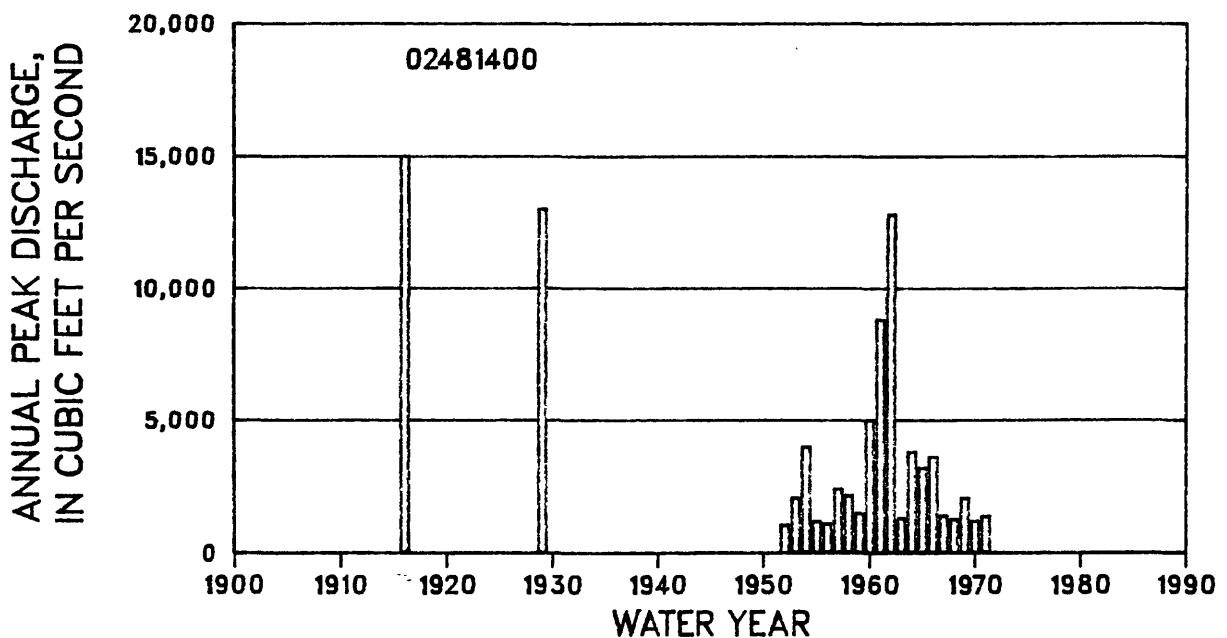
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.364  
STANDARD DEVIATION 0.312  
SKEW 0.867

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	2,080	4,030	6,050	9,800	13,800	19,100	26,100	39,000
REGIONAL	3,350	5,850	7,790	10,100	12,000	13,600	15,700	18,000
WEIGHTED	2,310	4,690	6,980	10,000	12,300	14,300	16,700	19,400

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	18	22	30	46	63	84	110	158
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	16	17	19	23	26	28	31	36

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 22

Graph of annual peak discharges is shown below.





## 02481400 Wolf River near Poplarville, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1916	7/ /16	194.50	15,000 f	1961	2/18/61	191.67	8,800
1929	4/ /29	193.50	13,000 f	1962	12/10/61	193.42	12,800
1952	5/19/52	183.29 a	1,040	1963	12/21/62	185.01	1,300
1953	4/25/53	185.37 a	2,060	1964	4/26/64	188.68	3,800
1954	12/ 4/53	187.63 a	3,990	1965	1/24/65	188.08	3,200
1955	2/ 6/55	183.70 a	1,170	1966	2/15/66	188.46	3,600
1956	3/11/56	183.41 a	1,080	1967	5/ 2/67	185.27	1,400
1957	9/18/57	187.20	2,400	1968	12/ 9/67	184.83	1,260
1958	5/19/58	186.80	2,150	1969	4/14/69	186.62	2,050
1959	6/ 9/59	185.36	1,480	1970	3/ 4/70	184.65	1,180
1960	5/ 7/60	189.45	5,000	1971	2/17/71	185.18	1,370

HISTORICAL DATA: The 1929 and 1962 peaks are the highest known since 1916.

a Gage height at different site and (or) datum.

f Discharge is an historical peak.

02481450 Murder Creek near Poplarville, MS

LOCATION:

Lat 30°47'16", long 89°22'40", SW 1/4 NW 1/4 sec.14, T.3 S., R.14 W., St. Stephens Meridian, Pearl River County, Hydrologic Unit 03170009, at bridge on old State Highway 26, and 11.0 mi southeast of Poplarville.

GAGE:

Crest-stage gage. Datum of gage is 140.92 ft above sea level.

DRAINAGE AREA: 21.6 mi<sup>2</sup> SLOPE: 16.8 ft/mi LENGTH: 10.9 mi

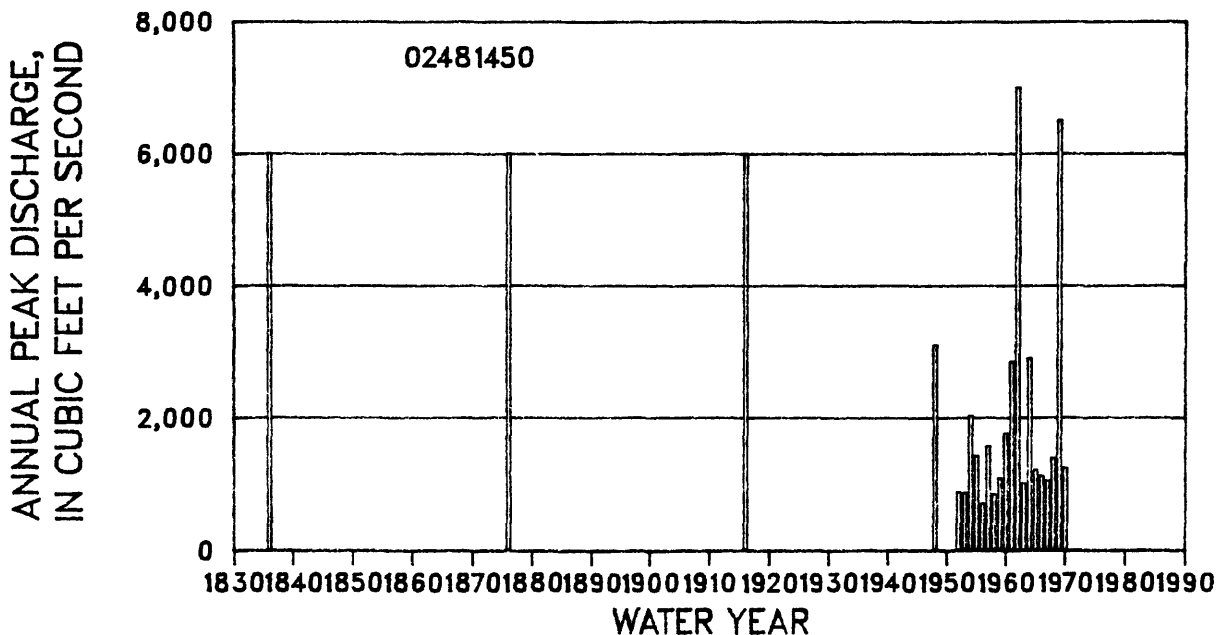
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.157  
STANDARD DEVIATION 0.238  
SKEW 1.082

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	1,300	2,160	2,990	4,450	5,900	7,760	10,100	14,300
REGIONAL	1,640	2,830	3,760	4,850	5,740	6,500	7,510	8,560
WEIGHTED	1,340	2,340	3,310	4,710	5,780	6,720	7,860	9,110

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	14	17	23	37	51	69	90	127
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	12	14	17	22	25	28	31	35

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 23

Graph of annual peak discharges is shown below.



## 02481450 Murder Creek near Poplarville, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1836	unknown	18.90	6,000 cf	1960	5/ 7/60	14.72	1,760
1876	unknown	18.90	6,000 cf	1961	6/20/61	16.50	2,850
1916	7/ /16	18.90	6,000 cf	1962	12/10/61	19.20	7,000
1948	unknown	16.80	3,100 f	1963	12/21/62	12.81	1,010
1952	5/19/52	12.43	880	1964	4/26/64	16.56	2,900
1953	12/31/52	12.41	870	1965	1/24/65	13.30	1,210
1954	12/ 4/53	15.44	2,030	1966	2/16/66	13.07	1,120
1955	4/12/55	13.87	1,420	1967	1/ 1/67	12.88	1,050
1956	3/16/56	11.97	710	1968	6/10/68	13.75	1,390
1957	9/18/57	14.26	1,570	1969	8/19/69	19.00	6,500
1958	5/19/58	12.36	850	1970	6/ 1/70	13.35	1,240
1959	2/ 4/59	12.98	1,090				

HISTORICAL DATA: The 1962 peak is the highest known since 1836.

c Estimated.

f Discharge is an historical peak.

# 02481500 Wolf River at Lyman, MS

## LOCATION:

Lat 30°35'40", long 89°20'25", NW 1/4 SW 1/4 sec.19, T.5 S., R.13 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, near center of span on downstream side of bridge on State Highway 53, 1.0 mi upstream from Mill Creek, 1.4 mi downstream from Crane Creek, and 15.0 mi northwest of Lyman.

## GAGE:

Nonrecording gage. Datum of gage is 64.40 ft above sea level.

DRAINAGE AREA: 253 mi<sup>2</sup> SLOPE: 5.4 ft/mi LENGTH: 47.6 mi

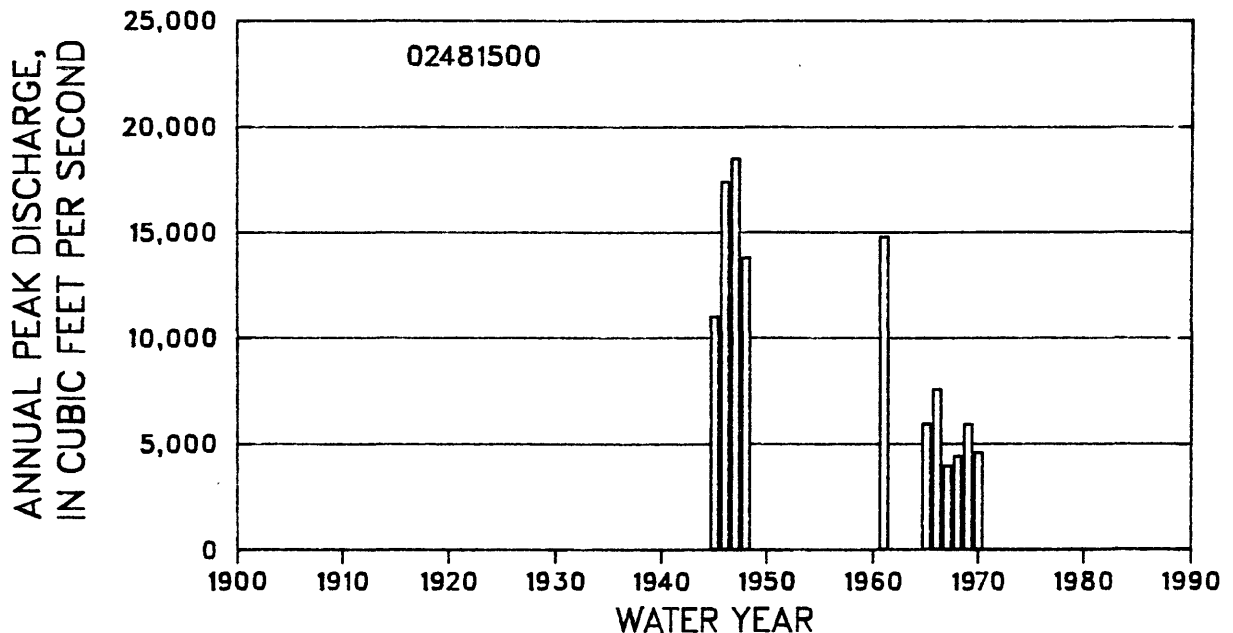
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.902  
STANDARD DEVIATION 0.252  
SKEW 0.674

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	7,480	12,700	17,300	24,900	32,100	40,800	51,200	68,500
REGIONAL	6,850	12,300	16,600	21,900	26,000	29,800	34,600	40,000
WEIGHTED	7,310	12,500	16,900	22,600	27,000	31,200	36,300	42,200

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	20	24	32	48	64	84	109	154
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	17	18	20	23	26	28	31	36

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 11

Graph of annual peak discharges is shown below.



02481500 Wolf River at Lyman, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1945	11/27/44	19.00	11,000	1966	2/13/66	14.55	7,590
1946	3/16/46	21.73	17,400	1967	1/ 2/67	9.60	3,950
1947	3/13/47	22.10	18,500	1968	12/19/67	10.34	4,430
1948	3/ 6/48	20.30	13,800	1969	4/14/69	12.48	5,930
1961	2/19/61	20.70	14,800 f	1970	3/ 4/70	10.60	4,600
1965	1/24/65	12.51	5,960				

HISTORICAL DATA: The 1961 peak is the highest known between 1948 and 1965.

f Discharge is an historical peak.

# 02481505 Mill Creek tributary near Lizana, MS

## LOCATION:

Lat 30°35'50", long 89°19'10", NW 1/4 sec.20, T.5 S., R.13 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, at culvert on State Highway 53, and 6.4 mi northwest of Lizana.

## GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Sept. 28, 1971, rain-gage and water-stage recorder also at site.

DRAINAGE AREA: 2.29 mi<sup>2</sup> SLOPE: 46.1 ft/mi LENGTH: 2.2 mi

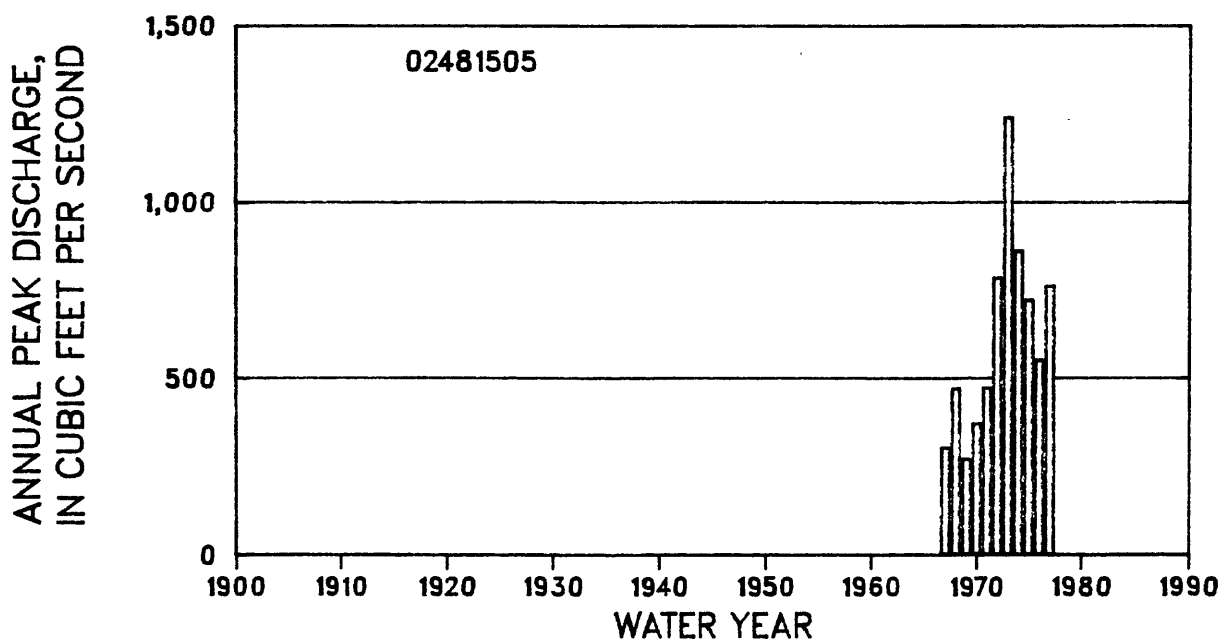
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.748  
STANDARD DEVIATION 0.205  
SKEW 0.542

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	536	818	1,050	1,390	1,680	2,020	2,400	2,970
REGIONAL	489	808	1,050	1,330	1,560	1,740	2,000	2,240
WEIGHTED	527	815	1,050	1,350	1,600	1,800	2,080	2,350

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	16	19	25	36	46	59	73	96
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	14	16	18	21	24	27	30	34

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 11

Graph of annual peak discharges is shown below.



## 02481505 Mill Creek tributary near Lizana, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1967	9/12/67	4.82	302	1973	3/24/73	7.68	1,240
1968	12/10/67	5.72	470	1974	4/13/74	6.97	860
1969	8/18/69	5.59	270	1975	8/ 1/75	6.46	720
1970	8/ 7/70	5.20	370	1976	10/ 1/75	5.31	550
1971	12/15/70	5.49	472	1977	3/ 2/77	6.64	760
1972	1/20/72	6.38	783				

02481510 Wolf River near Landon, MS

LOCATION:

Lat 30°29'00", long 89°16'28", NE 1/4 sec.34, T.6 S., R.13 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on left bank at downstream side of bridge on county highway, 0.3 mi downstream from Sandy Creek, 1.3 mi upstream from Pole Branch, and 11.2 mi northwest of Landon.

GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 19.34 ft above sea level. Prior to Oct. 18, 1978, at datum 2.00 ft higher.

DRAINAGE AREA: 308 mi<sup>2</sup> SLOPE: 4.9 ft/mi LENGTH: 60.4 mi

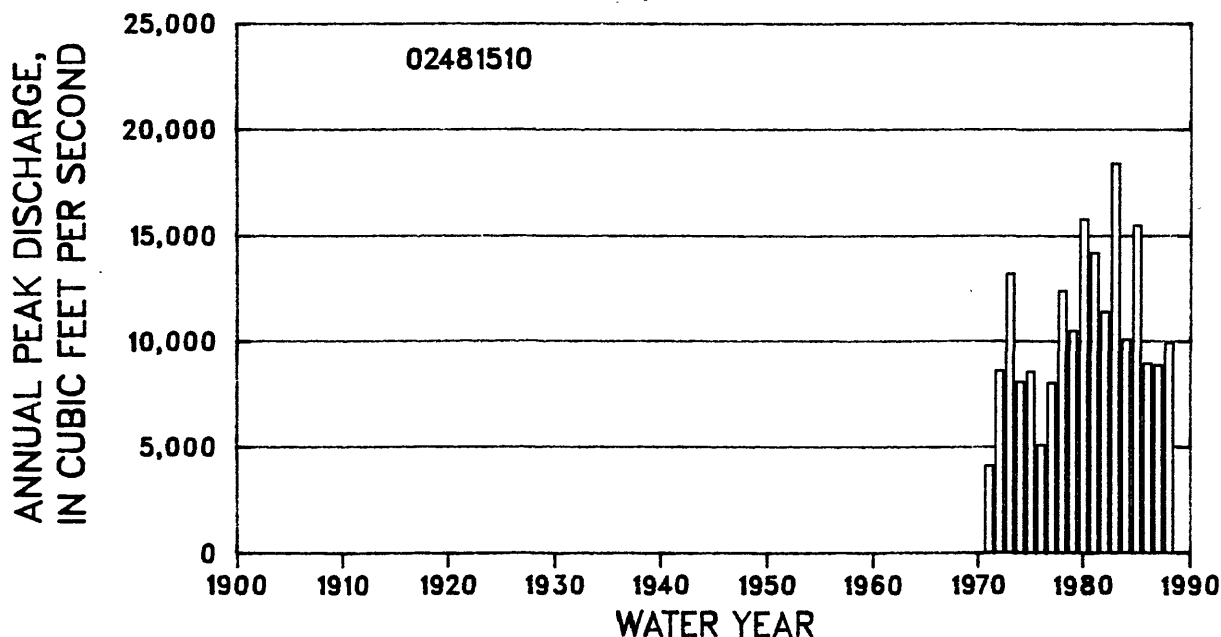
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.993  
STANDARD DEVIATION 0.163  
SKEW 0.283

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	9,670	13,400	16,100	19,700	22,500	25,500	28,600	33,000
REGIONAL	7,350	13,300	18,000	23,700	28,200	32,500	37,800	43,700
WEIGHTED	9,470	13,400	16,500	20,900	24,600	28,500	32,900	38,500

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	11	13	18	23	28	34	41
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	9	10	12	15	18	21	23	27

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 19

Graph of annual peak discharges is shown below.





## 02481510 Wolf River near Landon, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1971	9/17/71	8.73 a	4,120	1981	2/12/81	18.70	14,200
1972	1/20/72	13.15 a	8,620	1982	4/25/82	16.51	11,400
1973	3/25/73	16.50 a	13,200	1983	4/ 8/83	21.53	18,400
1974	4/13/74	12.55 a	8,100	1984	12/11/83	14.89	10,100
1975	8/ 2/75	12.97 a	8,570	1985	9/23/85	19.37	15,500
1976	2/22/76	9.44 a	5,100	1986	10/29/85	14.68	8,960
1977	3/13/77	10.80 a	8,040	1987	3/18/87	13.77	8,880
1978	5/ 3/78	15.88 a	12,400	1988	3/ 4/88	14.77	9,950
1979	4/ 6/79	15.10 b	10,500				
1980	5/20/80	19.83	15,800				

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

02481570 Catahoula Creek near Santa Rosa, MS

LOCATION:

Lat 30°24'25", long 89°32'18", NW 1/4 sec.30, T.7 S., R.15 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03170009, near left bank 10 ft upstream from bridge on county highway, 0.2 mi downstream from Dead Tiger Creek, 0.3 mi upstream from Lion Branch, 2.9 mi upstream from Bayou Bacon, and 7.0 mi southeast of Santa Rosa.

GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 0.03 ft below sea level.

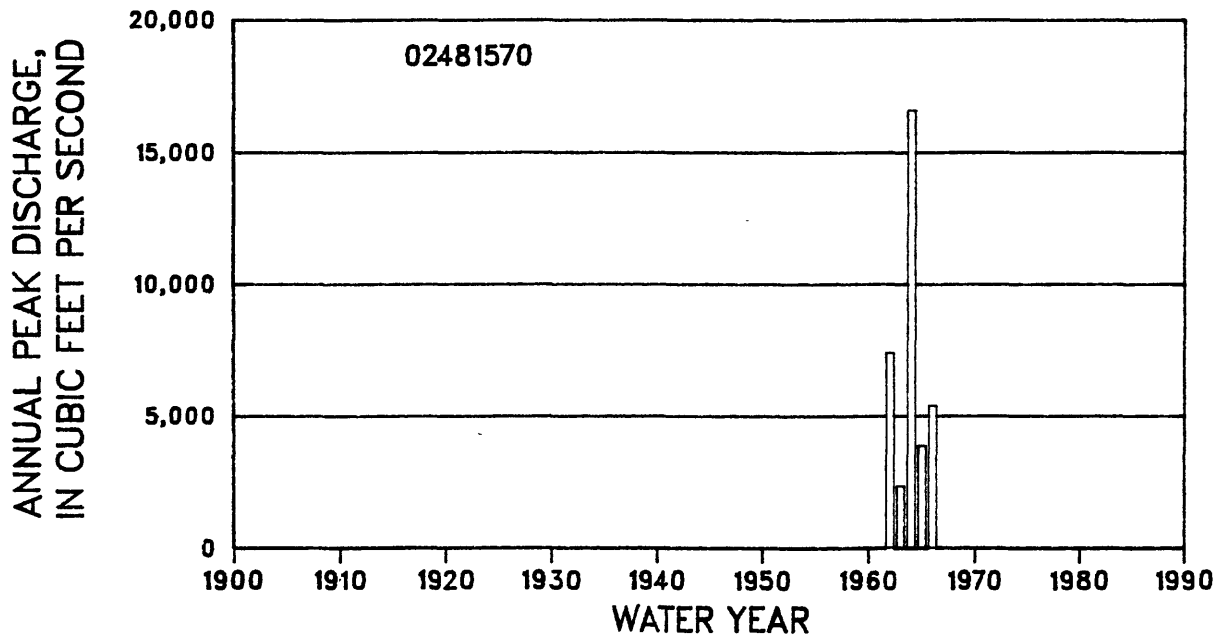
DRAINAGE AREA: 155 mi<sup>2</sup>      SLOPE: 5.5 ft/mi      LENGTH: 27.1 mi

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
REGIONAL	5,650	9,970	13,300	17,300	20,400	23,300	26,900	31,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
REGIONAL	34	27	26	27	29	31	34	38

NOTE: The systematic period of record is insufficient for station flood-frequency analysis; therefore, only regional flood-frequency discharges are presented in this report.

Graph of annual peak discharges is shown below.



## 02481570 Catahoula Creek near Santa Rosa, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1962	12/ /61	21.50	7,400	1965	2/18/65	18.97	3,880
1963	1/21/63	16.80	2,360	1966	2/16/66	20.38	5,410
1964	4/27/64	25.05	16,600				

02481670 Bayou La Croix near Clermont Harbor, MS

LOCATION:

Lat 30°19'25", long 89°29'17", NW 1/4 sec.27, T.8 S., R.15 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03170009, at bridge on county road, and 6.0 mi northwest of Clermont Harbor.

GAGE:

Crest-stage gage. Datum of gage is assumed.

DRAINAGE AREA: 38.0 mi<sup>2</sup> SLOPE: 1.5 ft/mi LENGTH: 10.9 mi

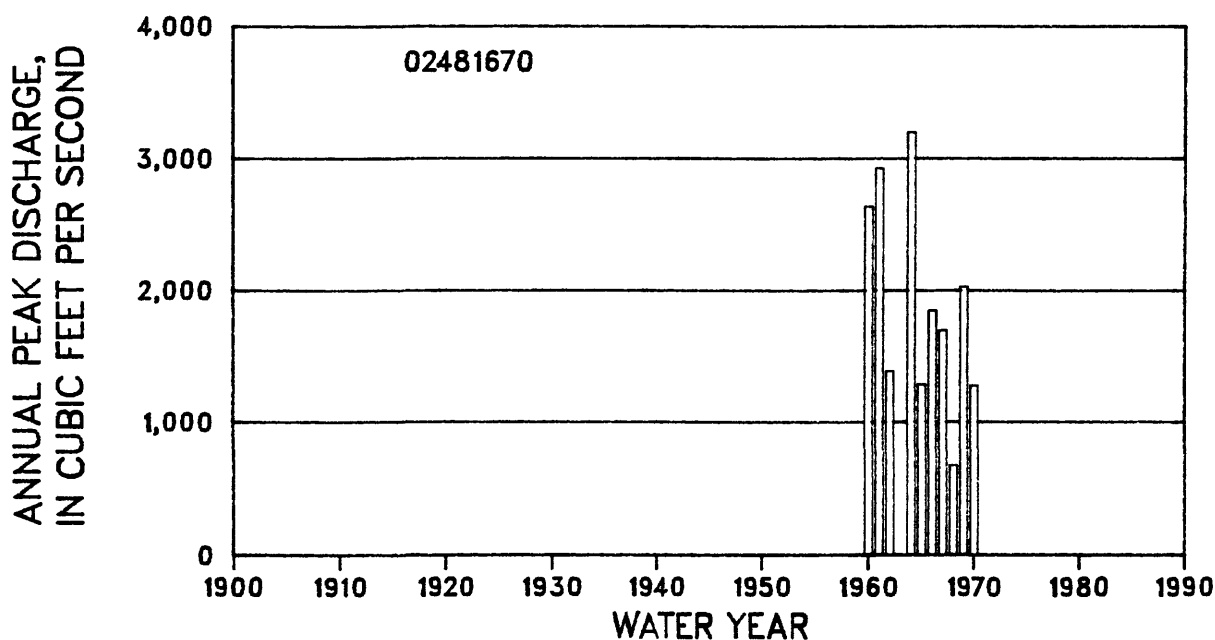
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.239  
STANDARD DEVIATION 0.203  
SKEW 0.424

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	1,680	2,540	3,210	4,200	5,030	5,950	6,970	8,500
REGIONAL	2,410	3,840	4,890	6,160	7,110	8,050	9,090	10,400
WEIGHTED	1,800	2,930	3,920	5,330	6,410	7,460	8,580	9,980

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	16	19	25	35	45	56	69	89
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	15	16	18	21	24	27	30	34

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 10

Graph of annual peak discharges is shown below.



## 02481670 Bayou La Croix near Clermont Harbor, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1960	4/ 2/60	23.38	2,640	1966	1/ 5/66	22.48	1,850
1961	3/17/61	23.65	2,930	1967	9/ 6/67	22.28	1,700
1962	11/16/61	21.82	1,390	1968	10/31/67	20.40	675
1964	4/27/64	23.90	3,200	1969	8/19/69	22.72	2,030
1965	1/24/65	21.65	1,290	1970	5/30/70	21.62	1,280

# 02481810 Talahaga Creek near Noxapater, MS

## LOCATION:

Lat 33°00'55", long 89°03'35", NE 1/4 sec.4, T.13 N., R.12 E., Choctaw Meridian, Winston County, Hydrologic Unit 03180001, at bridge on State Highway 15, 0.2 mi upstream from Gulf, Mobile, and Ohio Railroad, and 1.2 mi north of Noxapater.

## GAGE:

Crest-stage gage. Datum of gage is 346.87 ft above sea level.

DRAINAGE AREA: 58.6 mi<sup>2</sup> SLOPE: 6.7 ft/mi LENGTH: 19.0 mi

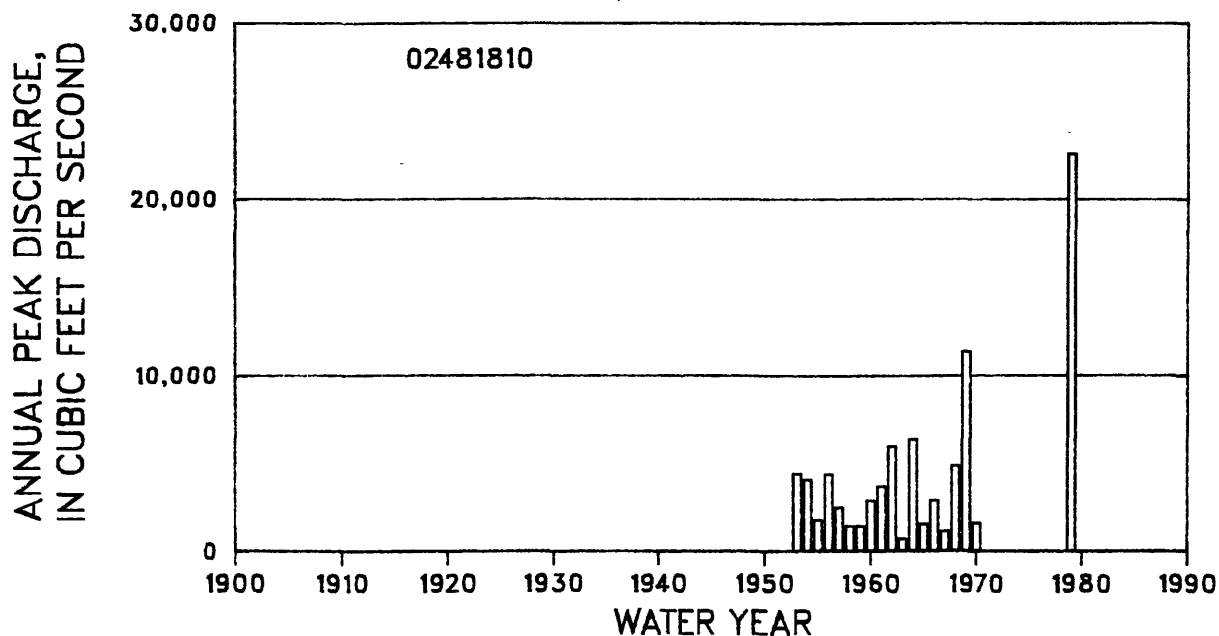
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.478  
STANDARD DEVIATION 0.348  
SKEW 0.148

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	2,950	5,870	8,500	12,700	16,600	21,100	26,500	34,800
REGIONAL	2,940	5,060	6,690	8,660	10,200	11,600	13,400	15,300
WEIGHTED	2,950	5,520	7,490	9,900	11,700	13,400	15,500	17,800

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	20	23	27	37	47	58	70	89
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	17	17	19	22	24	27	30	34

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 19

Graph of annual peak discharges is shown below.



## 02481810 Talahaga Creek near Noxapater, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1953	4/30/53	93.92	4,450	1963	3/11/63	85.30	710
1954	5/ 1/54	93.75	4,100	1964	3/14/64	94.30	6,400
1955	5/29/55	92.40	1,800	1965	2/12/65	91.51	1,550
1956	4/ 4/56	93.88	4,400	1966	4/21/66	93.21	2,900
1957	4/ 4/57	93.00	2,500	1967	5/22/67	88.75	1,150
1958	4/30/58	91.11	1,440	1968	12/17/67	94.05	4,900
1959	2/ 9/59	91.06	1,430	1969	4/10/69	95.72	11,400
1960	3/ 3/60	93.17	2,900	1970	3/19/70	91.89	1,610
1961	2/18/61	93.59	3,700	1974	4/13/74	93.58	--
1962	12/12/61	94.26	6,000	1979	4/13/79	97.09	22,600 f

HISTORICAL DATA: The 1979 peak is the highest known since 1953.

f Discharge is an historical peak.

# 02481840 Noxapater Creek near Noxapater, MS

## LOCATION:

Lat 32°57'33", long 89°05'05", SE 1/4 sec.20, T.13N, R.12 E., Choctaw Meridian, Winston County, Hydrologic Unit 03180001, on bridge on State Highway 15, 0.8 mi upstream from Gulf, Mobile, and Ohio Railroad, and 2.0 mi south of Noxapater.

## GAGE:

Crest-stage gage. Datum of gage is 117.63 ft above Mississippi State Highway Department Datum.

DRAINAGE AREA: 35.3 mi<sup>2</sup> SLOPE: 6.7 ft/mi LENGTH: 14.1 mi

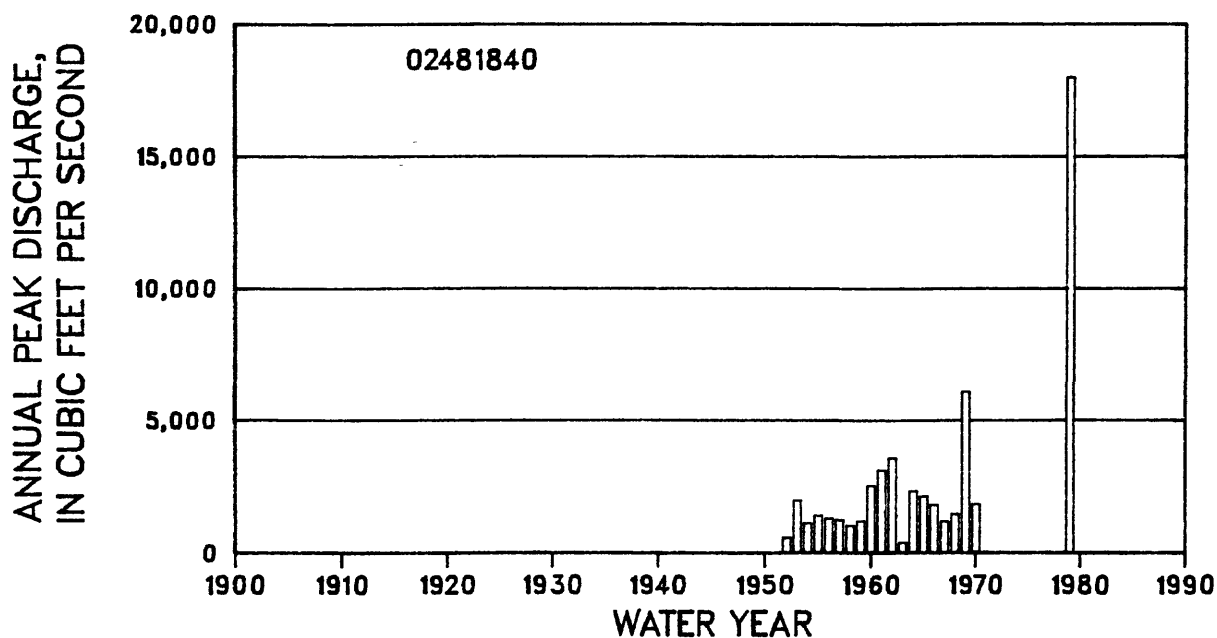
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.252  
STANDARD DEVIATION 0.299  
SKEW 0.363

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	1,710	3,140	4,420	6,480	8,380	10,600	13,300	17,600
REGIONAL	2,170	3,670	4,810	6,190	7,270	8,250	9,480	10,800
WEIGHTED	1,800	3,320	4,600	6,300	7,590	8,790	10,200	11,900

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	17	20	25	35	45	56	68	88
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	15	16	18	21	24	27	30	34

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 20

Graph of annual peak discharges is shown below.





## 02481840 Noxapater Creek near Noxapater, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1952	3/12/52	93.09	590	1962	12/12/61	94.82	3,600
1953	4/30/53	94.08	2,000	1963	3/11/63	90.80	400 h
1954	5/ 1/54	93.54	1,140	1964	3/14/64	94.26	2,350
1955	2/21/55	93.73	1,430	1965	9/24/65	94.16	2,150
1956	4/ 6/56	93.66	1,320	1966	4/21/66	93.97	1,830
1957	12/13/56	93.62	1,260	1967	5/22/67	93.58	1,200
1958	4/30/58	93.47	1,050	1968	12/17/67	93.76	1,480
1959	2/ 9/59	93.59	1,220	1969	4/10/69	95.74	6,100
1960	3/ 3/60	94.35	2,550	1970	3/19/70	93.98	1,850
1961	2/21/61	94.62	3,140	1979	4/13/79	98.10	18,000 cf

HISTORICAL DATA: The 1979 peak is the highest known since 1952.

c Estimated.

f Discharge is an historical peak.

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

# 02481880 Pearl River at Burnside, MS

## LOCATION:

Lat 32°50'27", long 89°05'51", NE 1/4 sec.6, T.11 N., R.12 E., Choctaw Meridian, Neshoba County, Hydrologic Unit 03180001, on right bank at downstream side of bridge on State Highway 15, 2.4 mi upstream from Illinois Central and Gulf Railroad bridge, 4.8 mi north of Philadelphia, and 0.9 mi south of Burnside.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 376.30 ft above sea level. Prior to January 1981, nonrecording gage. Prior to April 13, 1979, at datum 2.33 ft higher.

DRAINAGE AREA: 520 mi<sup>2</sup>      SLOPE: 1.9 ft/mi      LENGTH: 47.6 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN    3.951  
    STANDARD DEVIATION    0.314  
    SKEW    -0.100

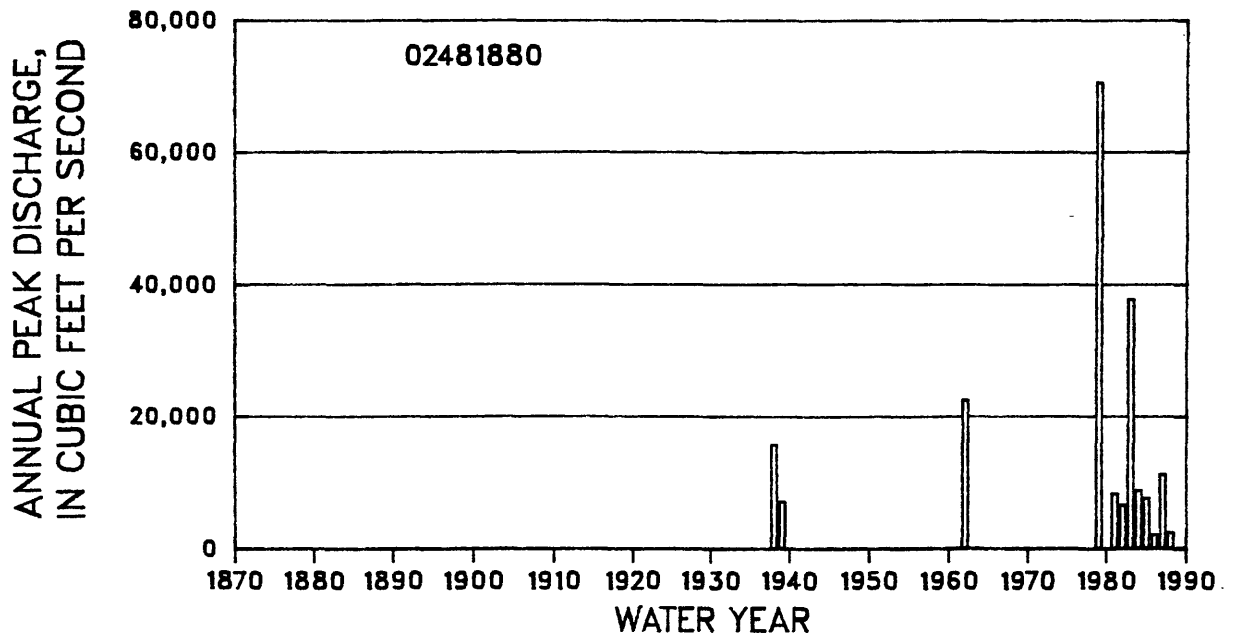
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	9,040	16,500	22,400	30,900	37,900	45,500	53,800	65,600

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	14	15	17	22	27	33	39	48

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 31

NOTE: The logarithmic mean and standard deviation of the station record were computed after adjusting the record based on a correlation with long-term records at Station 02482000 using procedures described in Bulletin 17B (Interagency Advisory Committee on Water Data, 1982). The flood-frequency discharges are unweighted station estimates.

Graph of annual peak discharges is shown below.



## 02481880 Pearl River at Burnside, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1935	unknown	19.17 a	--	1983	5/21/83	19.77	37,800
1938	4/ 9/38	12.80 a	15,800 i	1984	5/ 4/84	15.11	8,880
1939	3/ 2/39	11.20 a	7,200 i	1985	11/29/84	14.85	7,750
1962	12/20/61	14.03 a	22,600 f	1986	12/16/85	13.12	2,210
1979	4/13/79	23.31 b	70,600 f	1987	3/ 1/87	15.78	11,300
1981	4/ 1/81	15.32	8,390	1988	4/ 5/88	13.20	2,520
1982	4/23/82	14.86	6,670				

HISTORICAL DATA: The 1979 peak is the highest known since 1874.

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

f Discharge is an historical peak.

i Only annual maximum peak available for the water year.

02481900 Coonshuck Creek tributary near House, MS

LOCATION:

Lat 32°39'00", long 89°01'00", NW 1/4 sec.12, T.9 N., R.12 E., Choctaw Meridian, Neshoba County, Hydrologic Unit 03180001, at culvert on State Highway 19, 2.3 mi northwest of House, and 9.3 mi southeast of Philadelphia.

GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Sept. 30, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.20 mi<sup>2</sup> SLOPE: 97.8 ft/mi LENGTH: 0.6 mi

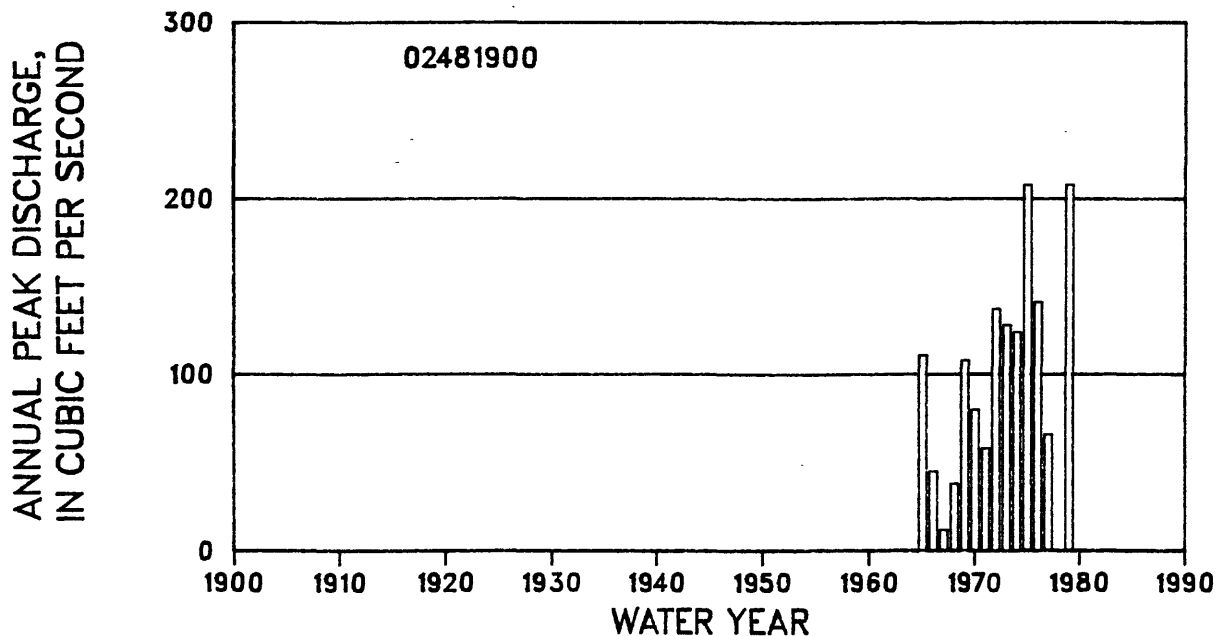
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 1.963  
STANDARD DEVIATION 0.251  
SKEW -0.173

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	93	150	190	243	284	326	369	428
REGIONAL	111	173	221	274	320	352	402	445
WEIGHTED	97	157	201	257	303	341	390	439

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	17	17	20	26	31	38	45	56
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	15	15	16	18	21	24	27	30

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 14

Graph of annual peak discharges is shown below.



02481900 Coonshuck Creek tributary near House, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1965	2/12/65	4.32	111	1972	12/ 6/71	4.67	137
1966	4/21/66	3.24	45	1973	3/30/73	4.55	128
1967	8/22/67	2.48	12	1974	4/13/74	4.50	124
1968	4/28/68	3.09	38	1975	1/10/75	5.55	208
1969	4/13/69	4.54	108	1976	3/30/76	4.73	14
1970	5/ 2/70	4.14	80	1977	3/12/77	3.61	66
1971	10/19/70	3.48	58	1979	4/12/79	5.55	208 f

HISTORICAL DATA: The 1974 and 1979 peaks are the highest known between 1965 and 1979.

f Discharge is an historical peak.

# 02482000 Pearl River at Edinburg, MS

## LOCATION:

Lat 32°47'55", long 89°20'10", SW1/4 SW1/4 sec.13, T.11 N., R.9 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on right bank 10 ft downstream from bridge on State Highway 16 at Edinburg, 0.2 mi downstream from Hooper Mill Creek, 1.6 mi upstream from Rice Creek, and at mi 387.5.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 341.67 ft above sea level. Prior to July 2, 1930, nonrecording gage at site 500 ft upstream at datum 0.12 ft higher. From July 2, 1930, to Sept. 20, 1938, nonrecording gage at present site and datum.

DRAINAGE AREA: 904 mi<sup>2</sup>      SLOPE: 1.3 ft/mi      LENGTH: 76.3 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN    4.023  
    STANDARD DEVIATION    0.309  
    SKEW    -0.100

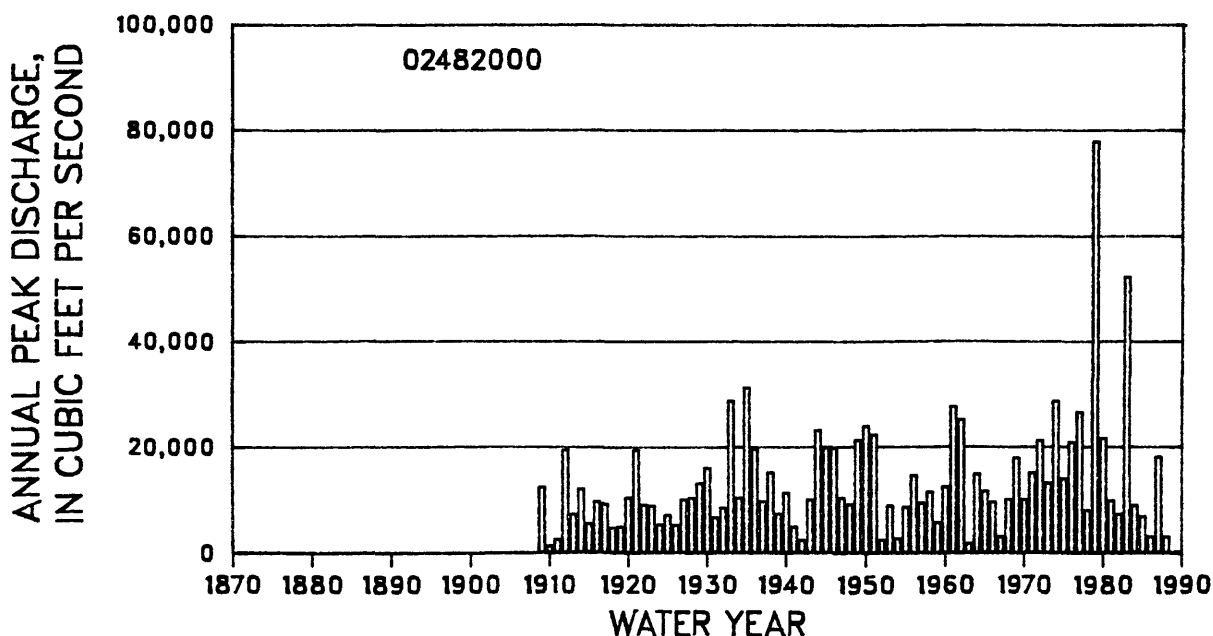
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	10,700	19,300	26,100	35,800	43,800	52,500	61,800	75,200

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	9	10	14	17	20	24	29

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 80

NOTE: The statistics of logarithms of annual peak discharge and the flood-frequency discharges were agreed upon by the U.S. Geological Survey and the U.S. Army Corps of Engineers, Mobile District, in 1980, following the April 1979 flood. The station was re-analyzed including record through the 1988 water year, and no revisions were warranted.

Graph of annual peak discharges is shown below.



## 02482000 Pearl River at Edinburg, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1878	11/ /77	27.30 a	--	1948	2/13/48	23.37	9,270
1902	3/31/ 2	29.00 a	--	1949	12/ 1/48	26.05	21,400
1909	5/29/ 9	24.00 a	12,500	1950	2/16/50	26.30	24,100
1910	2/22/10	11.00 a	1,400	1951	3/31/51	25.92	22,400
1911	4/12/11	15.00 a	2,650	1952	3/18/52	14.91	2,530
1912	4/19/12	25.40 a	19,500	1953	5/ 4/53	23.51	9,000
1913	3/16/13	21.60 a	7,380	1954	1/27/54	15.90	2,830
1914	4/ 3/14	23.90 a	12,200	1955	4/16/55	23.40	8,750
1915	5/15/15	20.00 a	5,600	1956	4/ 9/56	25.06	14,700
1916	1/ 3/16	23.00 a	9,800	1957	4/ 7/57	23.83	9,550
1917	3/ 7/17	22.80 a	9,400	1958	5/ 5/58	24.58	11,600
1918	5/ 4/18	19.00 a	4,800	1959	2/15/59	21.08	5,800
1919	3/12/19	19.30 a	5,040	1960	3/ 6/60	24.60	12,600
1920	12/12/19	23.30 a	10,500	1961	2/24/61	26.41	27,800
1921	4/18/21	25.40 a	19,500	1962	12/20/61	26.20	25,300
1922	3/ 4/22	22.70 a	9,200	1963	3/15/63	13.00	1,900
1923	3/26/23	22.60 a	9,020	1964	3/ 8/64	25.10	15,000
1924	4/19/24	19.80 a	5,440	1965	2/15/65	24.35	11,800
1925	1/21/25	21.50 a	7,240	1966	2/17/66	23.57	9,740
1926	1/23/26	19.70 a	5,360	1967	5/27/67	16.50	3,130
1927	3/15/27	23.20 a	10,200	1968	12/22/67	23.79	10,200
1928	4/26/28	23.30 a	10,500	1969	4/16/69	25.82	18,000
1929	3/17/29	24.20 a	13,300	1970	3/23/70	23.79	10,200
1930	5/22/30	24.90 ab	16,100	1971	5/20/71	25.13	15,200
1931	7/27/31	20.60	6,720	1972	1/13/72	25.86	21,300
1932	2/24/32	22.54	8,620	1973	3/19/73	24.78	13,300
1933	12/14/32	26.12	28,900	1974	4/15/74	26.72	28,800
1934	3/ 7/34	23.40	10,500	1975	1/13/75	24.94	14,100
1935	3/ 8/35	26.20	31,400	1976	3/16/76	25.84	21,000
1936	2/ 7/36	25.35	19,700	1977	4/ 6/77	26.51	26,700
1937	1/24/37	22.91	9,800	1978	5/12/78	22.70	8,150
1938	4/10/38	24.64	15,300	1979	4/14/79	30.06	77,900
1939	2/ 8/39	21.99	7,490	1980	4/15/80	26.01	21,700
1940	7/13/40	23.72	11,400	1981	4/ 5/81	23.63	9,980
1941	12/21/40	19.72	5,010	1982	4/25/82	22.18	7,460
1942	2/26/42	14.87	2,490	1983	5/22/83	28.35	52,300
1943	3/24/43	23.29	10,100	1984	5/ 7/84	22.57	9,150
1944	3/30/44	25.90	23,300	1985	2/ 7/85	21.83	7,020
1945	2/23/45	25.35	19,900	1986	3/24/86	16.65	3,200
1946	2/12/46	25.44	19,900	1987	3/ 2/87	25.14	18,200
1947	1/22/47	23.88	10,500	1988	4/ 4/88	16.61	3,160

HISTORICAL DATA: The 1902 and 1979 peaks are the highest known since 1874.

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

02482100 Indian Branch near Edinburg, MS

LOCATION:

Lat 32°46'52", long 89°25'28", NW 1/4 NE 1/4 NE 1/4 sec.25, T.11 N., R.8 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, at culvert on State Highway 16, and 5.4 mi west of Edinburg.

GAGE:

Crest-stage gage. Prior to Sept. 30, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 1.91 mi<sup>2</sup> SLOPE: 27.1 ft/mi LENGTH: 2.5 mi

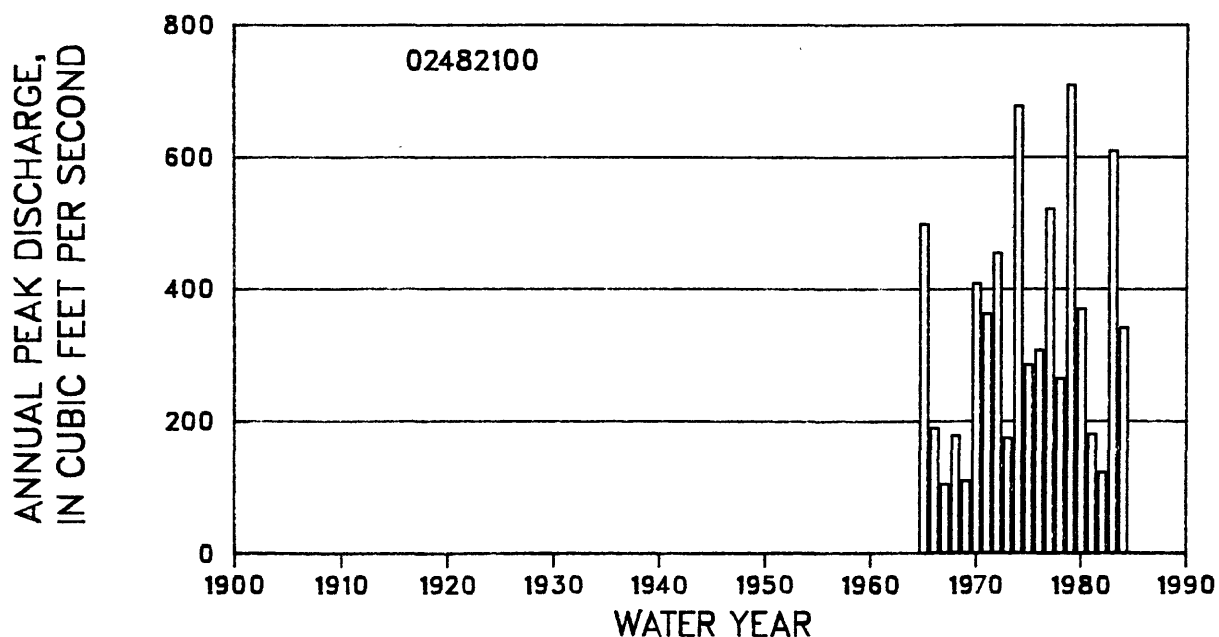
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.468  
STANDARD DEVIATION 0.259  
SKEW -0.177

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	299	488	625	806	947	1,090	1,240	1,440
REGIONAL	397	639	823	1,040	1,220	1,360	1,550	1,740
WEIGHTED	313	521	680	892	1,070	1,220	1,410	1,620

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	15	15	17	22	27	32	39	47
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	13	13	14	17	19	22	25	29

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 20

Graph of annual peak discharges is shown below.





## 02482100 Indian Branch near Edinburg, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1965	9/11/65	4.38	499	1975	2/16/75	3.51	286
1966	4/26/66	3.07	190	1976	10/16/75	3.60	308
1967	5/22/67	2.65	105	1977	3/11/77	4.47	522
1968	12/17/67	2.84	179	1978	11/30/77	4.02	265
1969	4/17/69	2.67	110	1979	4/12/79	5.47	710
1970	3/ 3/70	4.02	409	1980	11/23/79	3.86	370
1971	5/12/71	3.83	363	1981	3/29/81	3.03	181
1972	5/ 2/72	4.21	455	1982	1/23/82	2.74	123
1973	12/14/72	3.00	175	1983	5/19/83	4.76	610
1974	12/25/73	5.07	678	1984	5/ 3/84	3.74	342

02482310 Lobutch Creek tributary at Wamba, MS

LOCATION:

Lat 33°01'45", long 89°26'50", NW 1/4 sec.35, T.14 N., R.8 E., Choctaw Meridian, Attala County, Hydrologic Unit 03180001, at culvert on State Highway 19, and 0.3 mi west of Wamba.

GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Sept. 24, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.94 mi<sup>2</sup> SLOPE: 38.3 ft/mi LENGTH: 1.3 mi

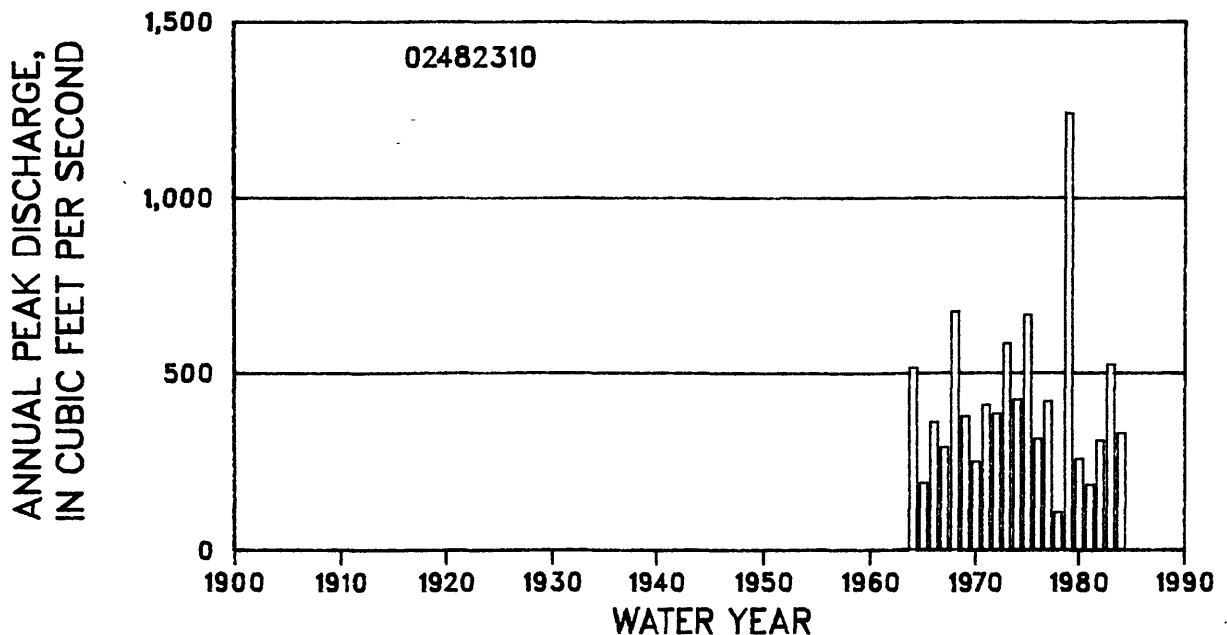
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.566  
STANDARD DEVIATION 0.229  
SKEW -0.092

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	371	575	719	910	1,060	1,210	1,370	1,580
REGIONAL	286	454	581	725	846	938	1,070	1,190
WEIGHTED	359	549	680	839	964	1,070	1,210	1,350

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	12	13	15	20	24	29	35	42
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	12	12	13	16	18	21	24	28

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 21

Graph of annual peak discharges is shown below.



## 02482310 Lobutch Creek tributary at Wamba, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1964	8/16/64	8.00	516	1975	3/13/75	8.91	667
1965	2/12/65	6.15	190	1976	3/30/76	6.74	314
1966	4/12/66	7.04	362	1977	3/12/77	6.52	420
1967	7/ 6/67	6.59	290	1978	5/ 1/78	5.48	107
1968	12/ 2/67	8.97	677	1979	4/12/79	12.77	1,240
1969	4/13/69	7.14	378	1980	3/28/80	6.39	258
1970	12/29/69	5.91	250	1981	10/28/80	5.97	185
1971	4/29/71	6.99	410	1982	4/20/82	5.92	310
1972	12/ 6/71	7.18	385	1983	12/ 3/82	7.42	525
1973	3/16/73	7.78	585	1984	5/ 4/84	6.22	330
1974	12/25/73	7.13	425				

# 02482500 Lobutch Creek near Carthage, MS

## LOCATION:

Lat 32°46'00", long 89°28'00", NE 1/4 sec.34, T.11 N., R.8 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, at bridge on State Highway 16, 3.0 mi upstream from mouth, and 5.0 mi northeast of Carthage.

## GAGE:

Crest-stage gage. Datum of gage is 334.98 ft above sea level. Prior to Oct. 21, 1953, nonrecording gage. Prior to Oct. 1, 1943, at site 4.5 mi upstream at datum 12.37 ft higher. From Oct. 1, 1943, to June 30, 1947, at site 5.0 mi upstream at datum 13.02 ft higher.

DRAINAGE AREA: 309 mi<sup>2</sup> SLOPE: 2.2 ft/mi LENGTH: 57.7 mi

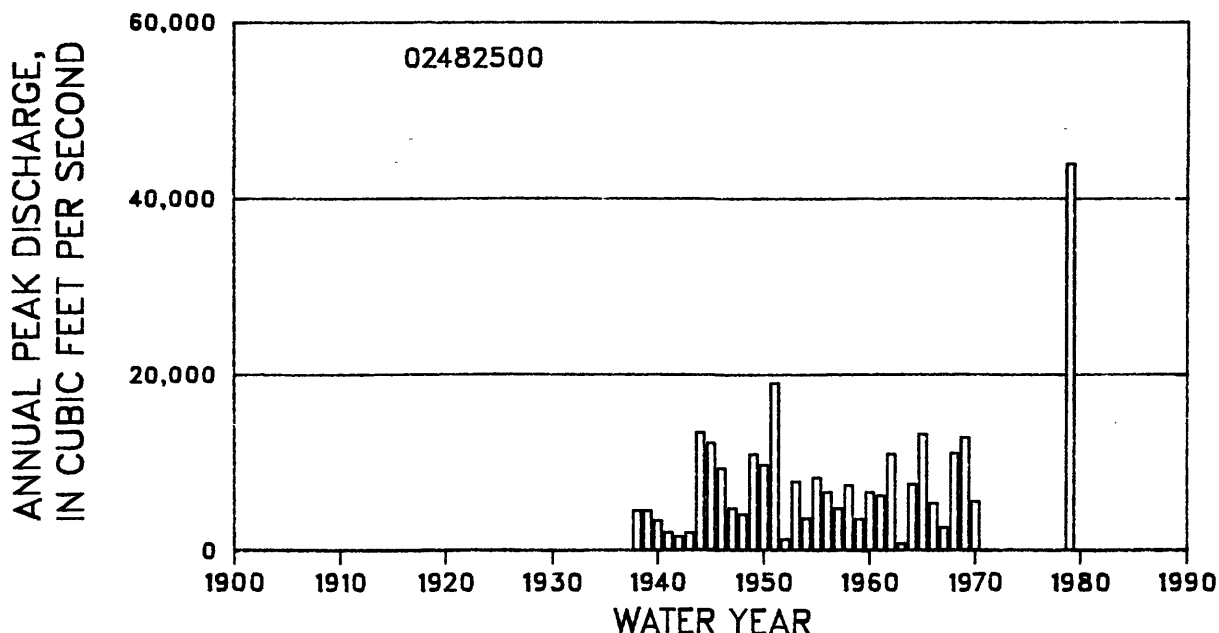
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.767  
STANDARD DEVIATION 0.345  
SKEW -0.209

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	6,010	11,500	15,900	22,200	27,300	32,800	38,700	47,100
REGIONAL	7,320	12,800	17,000	22,300	26,300	30,200	34,900	40,400
WEIGHTED	6,210	11,800	16,200	22,200	26,800	31,400	36,500	42,900

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	15	15	17	22	27	33	39	48
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	14	13	14	17	19	22	25	29

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 34

Graph of annual peak discharges is shown below.



## 02482500 Lobutch Creek near Carthage, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1938	3/23/38	16.40 a	4,620	1955	4/14/55	16.43	8,320
1939	2/ 5/39	16.40 a	4,620	1956	4/ 7/56	15.99	6,680
1940	7/11/40	16.00 a	3,450	1957	4/ 5/57	15.36	4,820
1941	12/19/40	14.90 a	2,050	1958	5/ 2/58	16.21	7,460
1942	12/24/41	13.90 a	1,630	1959	4/22/59	14.59	3,600
1943	3/22/43	14.90 a	2,050	1960	3/ 4/60	16.06	6,640
1944	3/29/44	18.00 ab	13,500	1961	2/22/61	16.03	6,290
1945	2/22/45	17.90 a	12,300	1962	12/18/61	17.28	11,000
1946	2/10/46	17.58 a	9,400	1963	3/11/63	8.41	842
1947	1/20/47	16.52 ab	4,830	1964	4/ 6/64	16.40	7,590
1948	2/11/48	15.15	4,150	1965	2/12/65	17.56	13,300
1949	1/ 6/49	17.32	11,000	1966	4/22/66	15.68	5,430
1950	2/14/50	17.09	9,800	1967	7/ 6/67	13.45	2,620
1951	3/29/51	18.00	19,100	1968	12/19/67	17.26	11,100
1952	3/12/52	11.16	1,300	1969	4/13/69	17.51	12,900
1953	5/ 5/53	16.31	7,880	1970	4/25/70	15.77	5,640
1954	5/ 6/54	14.83	3,660	1979	4/13/79	19.99	44,000 cf

HISTORICAL DATA: The 1979 peak is the highest known since 1938.

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

c Estimated.

f Discharge is an historical peak.

# 02482550 Pearl River near Carthage, MS

## LOCATION:

Lat 32°42'25", long 89°31'35", NE 1/4 NE 1/4 sec.24, T.10 N., R.7 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on right bank at downstream side of bridge on State Highway 35, 2.1 mi south of Carthage, 4.0 mi downstream from Lobutch Creek, 10.8 mi upstream from Tuscolameta Creek, and at mi 366.3.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 315.24 ft above sea level. Prior to 1962 water year, nonrecording gage.

DRAINAGE AREA: 1,350 mi<sup>2</sup>      SLOPE: 1.4 ft/mi      LENGTH: 97.5 mi

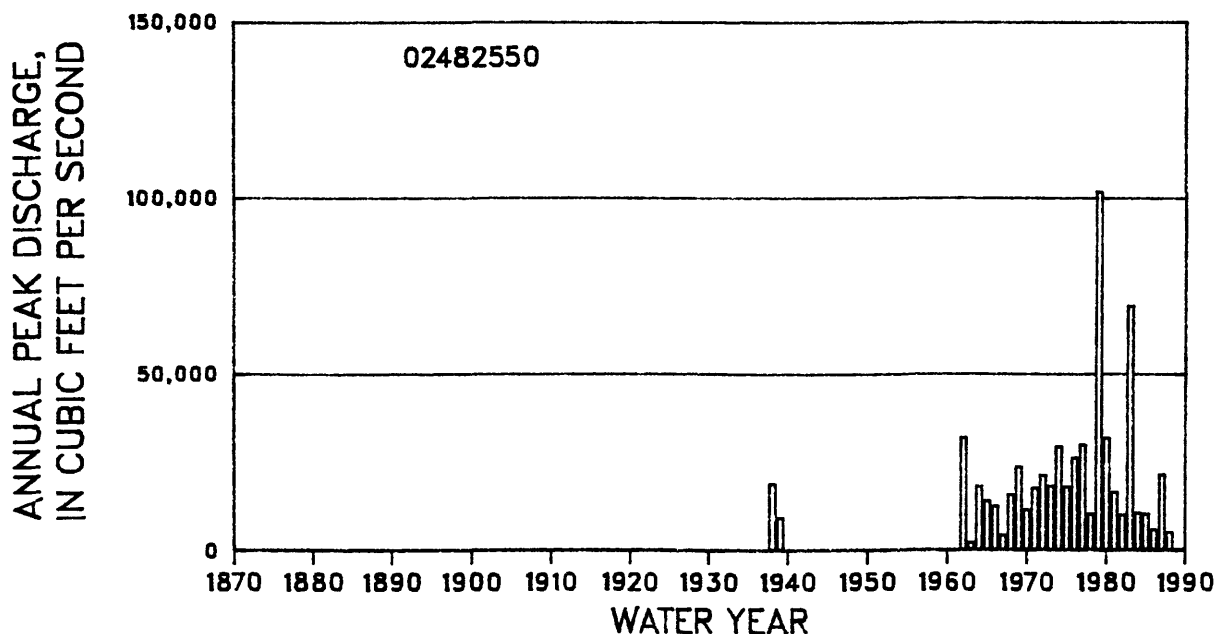
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN      4.117  
    STANDARD DEVIATION      0.293  
    SKEW      -0.050

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	13,200	23,100	30,900	42,100	51,300	61,300	72,000	87,500
T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	14	15	17	22	27	33	39	48

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 29

NOTE: The logarithmic mean and standard deviation of the station record were computed after adjusting the record based on a correlation with long-term records at Station 02482000 using procedures described in Bulletin 17B (Interagency Advisory Committee on Water Data, 1982). The statistics of logarithms of annual peak discharge and the flood-frequency discharges were agreed upon by the U.S. Geological Survey and the Corps of Engineers, Mobile District, in 1980, following the April 1979 flood. The station was re-analyzed including record through the 1988 water year, and no revisions were warranted.

Graph of annual peak discharges is shown below.



## 02482550 Pearl River near Carthage, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1874	unknown	24.20	--	1974	4/16/74	24.54	29,400
1902	unknown	27.00	--	1975	3/15/75	22.92	18,100
1932	unknown	24.30	--	1976	3/31/76	24.02	26,300
1938	4/11/38	23.30	19,000	1977	4/ 7/77	24.28	29,900
1939	2/11/39	18.20	9,400	1978	5/13/78	20.43	10,400
1962	12/20/61	25.40	31,900	1979	4/14/79	28.74	102,000
1963	3/16/63	12.09	2,260	1980	4/16/80	24.09	31,900
1964	3/19/64	23.12	18,200	1981	4/ 5/81	22.14	16,600
1965	2/16/65	22.27	14,000	1982	4/26/82	19.67	10,200
1966	2/17/66	21.88	12,500	1983	5/22/83	27.07	69,500
1967	5/28/67	15.20	4,320	1984	5/ 8/84	19.90	10,700
1968	12/20/67	22.64	15,800	1985	2/ 7/85	19.82	10,400
1969	4/15/69	24.02	23,600	1986	3/22/86	--	6,000
1970	3/25/70	21.53	11,500	1987	3/ 3/87	23.05	21,600
1971	5/16/71	23.02	17,700	1988	4/ 6/88	15.58	5,160
1972	1/14/72	23.63	21,300				

HISTORICAL DATA: The 1979 peak is the highest known since 1874.

02482900 Tallabogue Creek tributary near Harpersville, MS

LOCATION:

Lat 32°32'00", long 89°28'40", SW 1/4 SE 1/4 sec.16, T.8 N., R.8 E., Choctaw Meridian, Scott County, Hydrologic Unit 03180001, at culvert on State Highway 35, and 2.8 mi north of Harpersville.

GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Sept. 30, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.12 mi<sup>2</sup> SLOPE:131 ft/mi LENGTH: 0.4 mi

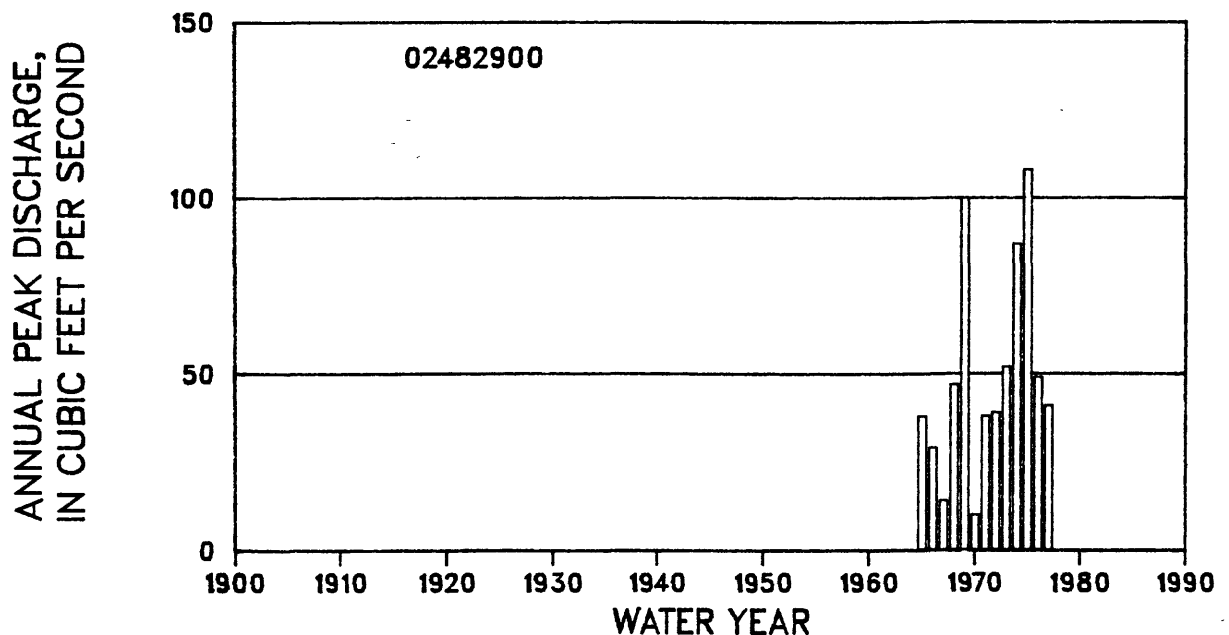
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 1.617  
STANDARD DEVIATION 0.299  
SKEW -0.228

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	42	74	98	131	156	183	210	248
REGIONAL	86	133	168	208	243	266	304	334
WEIGHTED	52	93	126	170	206	236	273	310

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	21	21	24	31	38	46	56	70
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	18	17	17	20	23	25	28	32

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 13

Graph of annual peak discharges is shown below.





## 02482900 Tallabogue Creek tributary near Harperville, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1965	8/ 8/65	3.88	38	1972	12/ 6/71	3.91	39
1966	4/27/66	3.56	29	1973	4/16/73	4.34	52
1967	5/21/67	3.03	14	1974	4/12/74	5.23	87
1968	8/16/68	4.18	47	1975	12/23/74	5.74	108
1969	4/17/69	5.54	100	1976	3/30/76	4.23	49
1970	5/ 2/70	2.90	10	1977	3/ 3/77	3.96	41
1971	2/26/71	3.88	38				

02483000 Tuscolameta Creek at Walnut Grove, MS

LOCATION:

Lat 32°35'18", long 89°27'54", NW 1/4 sec.34, T.9 N., R.8 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on left bank at downstream side of bridge on State Highway 35, 0.4 mi southwest of Walnut Grove, 0.6 mi upstream from Illinois Central and Gulf Railroad bridge, 7.5 mi upstream from junction of north and south drainage canals, and 15.5 mi upstream from mouth.

GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 322.70 ft above sea level. Prior to Oct. 1, 1971, at datum 10.00 ft higher. Prior to July 14, 1953, at site 0.2 mi upstream. Prior to June 18, 1939, nonrecording gage.

DRAINAGE AREA: 411 mi<sup>2</sup>      SLOPE: 4.1 ft/mi      LENGTH: 35.4 mi

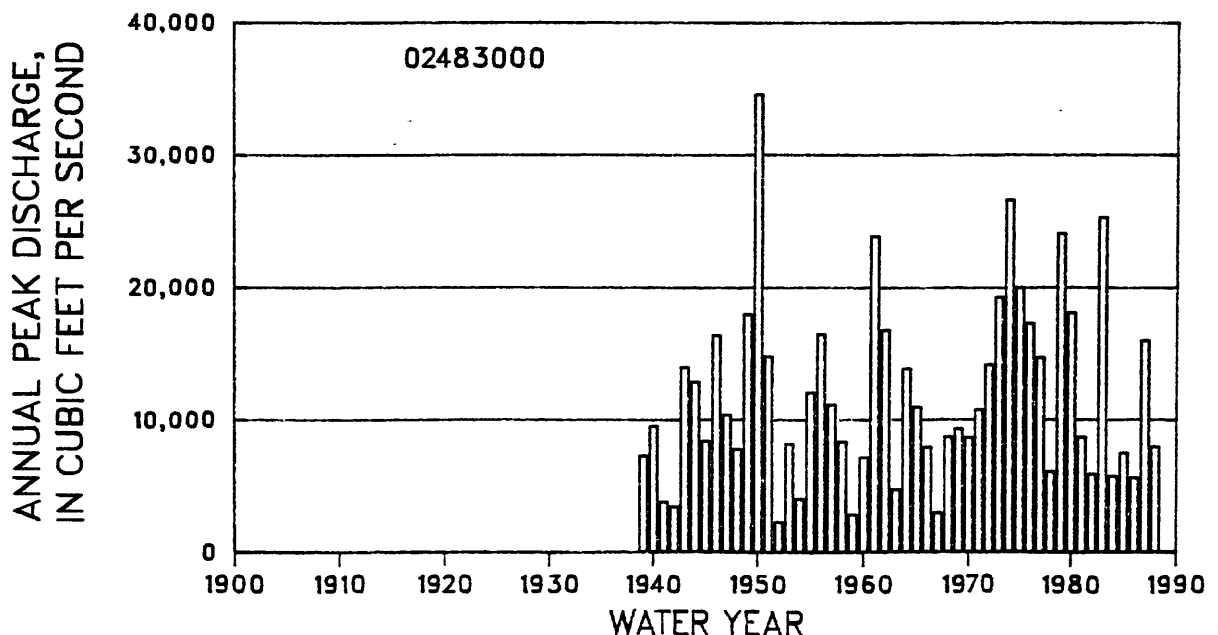
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN      4.000  
    STANDARD DEVIATION      0.271  
    SKEW      -0.238

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	10,300	17,000	21,900	28,300	33,200	38,200	43,400	50,300
REGIONAL	11,200	20,200	27,100	35,400	41,700	47,800	55,100	63,500
WEIGHTED	10,400	17,300	22,600	29,700	35,300	41,000	47,200	55,100

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	10	10	11	14	17	21	24	30
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	9	9	10	12	15	17	19	23

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 50

Graph of annual peak discharges is shown below.



## 02483000 Tuscolameta Creek at Walnut Grove, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1900	4/ /00	24.50 a	--	1963	3/14/63	15.57 a	4,740
1902	4/ /02	23.00 a	--	1964	4/28/64	18.10 a	13,900
1939	4/ 1/39	17.02 a	7,300	1965	10/ 6/64	17.50 a	11,000
1940	5/ 2/40	17.47 a	9,550	1966	2/13/66	16.65 a	7,950
1941	3/ 9/41	15.38 a	3,780	1967	5/23/67	13.80 a	2,980
1942	3/23/42	15.01 a	3,400	1968	3/24/68	16.85 a	8,750
1943	3/22/43	18.15 a	14,000	1969	4/19/69	17.02 a	9,350
1944	3/30/44	18.01 a	12,900	1970	5/ 4/70	16.83 a	8,710
1945	2/23/45	17.20 a	8,420	1971	5/14/71	17.44 a	10,800
1946	2/11/46	18.52 a	16,400	1972	12/ 8/71	28.28 b	14,200
1947	1/21/47	17.58 a	10,400	1973	4/17/73	29.25	19,300
1948	3/ 4/48	17.03 a	7,800	1974	4/14/74	30.20	26,600
1949	11/29/48	19.74 a	18,000	1975	12/25/74	29.30	20,000
1950	1/ 7/50	23.00 a	34,600	1976	10/18/75	28.93	17,300
1951	3/30/51	18.99 a	14,800	1977	4/ 5/77	28.40	14,700
1952	3/11/52	11.41 a	2,290	1978	1/27/78	26.00	6,100
1953	5/ 1/53	17.33 a	8,220	1979	3/ 5/79	29.83	24,100
1954	4/18/54	14.86 a	4,040	1980	4/13/80	28.96	18,100
1955	4/14/55	17.50 a	12,100	1981	4/ 1/81	26.94	8,720
1956	3/17/56	18.56 a	16,500	1982	8/ 2/82	26.06	5,910
1957	4/ 5/57	17.40 a	11,200	1983	3/ 6/83	29.90	25,300
1958	5/ 1/58	16.69 a	8,400	1984	12/30/83	25.77	5,740
1959	1/22/59	13.00 a	2,850	1985	2/ 3/85	26.07	7,530
1960	3/ 4/60	16.42 a	7,200	1986	11/ 2/85	--	5,640 c
1961	2/22/61	19.78 a	23,900	1987	2/28/87	28.20	16,000
1962	12/19/61	18.66 a	16,800	1988	4/ 4/88	26.47	8,000

HISTORICAL DATA: The 1900 peak is the highest known since 1874.

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

c Estimated.

02483500 Pearl River near Lena, MS

LOCATION:

Lat 32°39'56", long 89°38'32", in SW 1/4 sec.36, T.10 N., R.6 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, at bridge on county road 0.8 mi downstream from Tuscalometa Creek, 3.8 mi upstream from Yockanookany River, 6 mi north of Lena, and 8 mi southwest of Carthage.

GAGE:

Nonrecording gage. Datum of gage is 299.50 ft above sea level.

DRAINAGE AREA: 1,980 mi<sup>2</sup> SLOPE: 1.3 ft/mi LENGTH: 110 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.302  
STANDARD DEVIATION 0.296  
SKEW 0.000

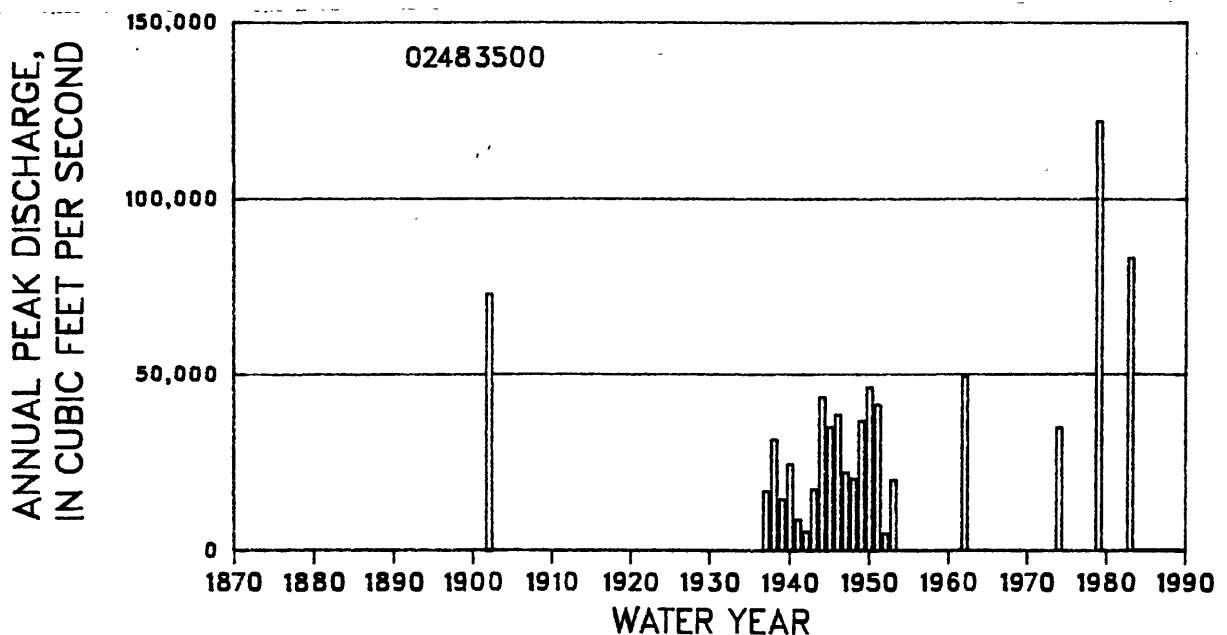
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	20,000	35,600	48,100	66,200	81,400	98,000	116,000	143,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	16	17	20	27	33	40	47	59

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 22

NOTE: The logarithmic mean and standard deviation of the station record were computed after adjusting the record based on a correlation with long-term records at Station 02482000 using procedures described in Bulletin 17B (Interagency Advisory Committee on Water Data, 1982). The flood-frequency discharges are unweighted station estimates.

Graph of annual peak discharges is shown below.



## 02483500 Pearl River near Lena, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1902	3/ /02	30.40	73,000 f	1947	1/22/47	25.30	22,300
1937	1/25/37	--	17,000 c	1948	3/ 8/48	24.90	20,600
1938	4/ 9/38	27.20	31,700	1949	11/30/48	27.60	36,900
1939	2/ 9/39	22.60	14,700	1950	1/ 8/50	28.56	46,500
1940	7/12/40	26.20	24,700	1951	3/31/51	28.10	41,500
1941	12/20/40	19.00	8,900	1952	3/14/52	14.40	4,990
1942	3/24/42	15.80	5,500	1953	5/ 7/53	24.78	20,200
1943	3/24/43	24.00	17,600	1962	12/20/61	28.86	49,600 f
1944	3/31/44	28.28	43,700	1974	4/ 0/74	27.39	35,000 f
1945	2/24/45	27.30	35,200	1979	4/ 0/79	32.20	122,000 f
1946	2/14/46	27.80	38,700	1983	5/ 0/83	30.59	83,200 f

HISTORICAL DATA: The 1902, 1979, and 1983 peaks are the highest known since 1874.

c Estimated.

f Discharge is an historical peak.

02483890 Yockanookany River tributary near McCool, MS

LOCATION:

Lat 33°10'06", long 89°25'28", in SW 1/4 sec.7, T.15 N., R.9 E., Choctaw Meridian, Attala County, Hydrologic Unit 03180001, at culvert on State Highway 12, and 4.0 mi southwest of McCool.

GAGE:

Crest-stage gage. Datum of gage is asumed. Prior to Oct. 20, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.34 mi<sup>2</sup> SLOPE: 51.3 ft/mi LENGTH: 1.0 mi

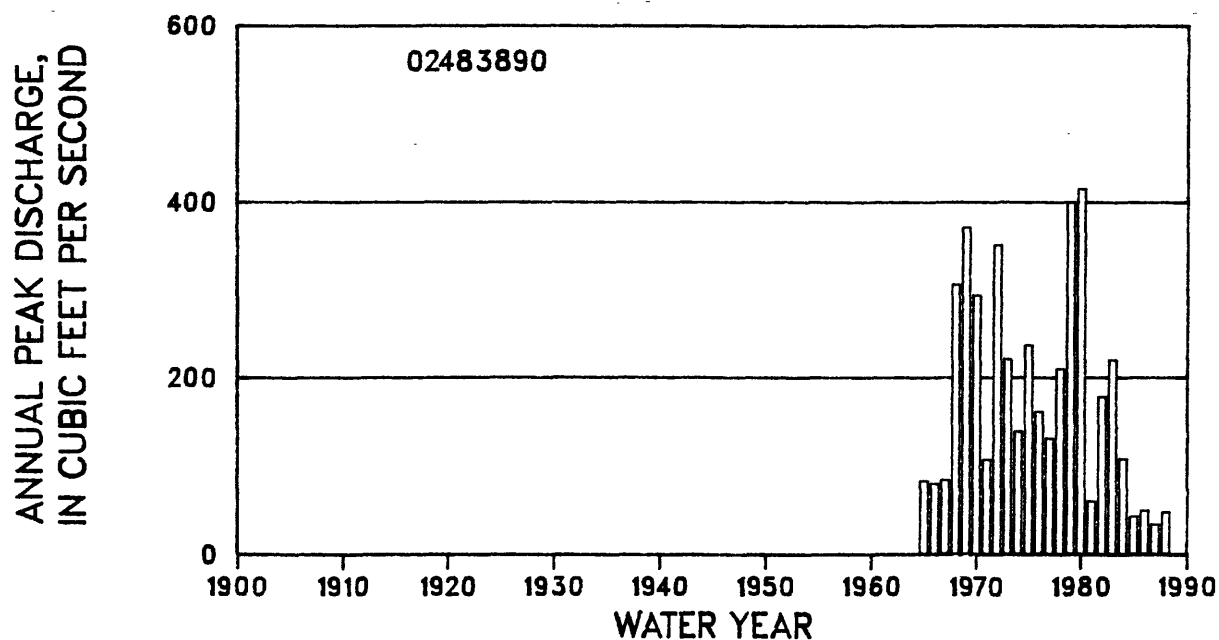
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.147  
STANDARD DEVIATION 0.333  
SKEW -0.179

	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
T	2	5	10	25	50	100	200	500
STATION	143	269	368	511	628	754	888	1,080
REGIONAL	139	216	275	342	399	441	504	560
WEIGHTED	142	252	330	421	490	546	618	692

	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
T	2	5	10	25	50	100	200	500
STATION	17	18	20	26	32	38	46	57
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	15	15	16	18	21	24	27	31

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 24

Graph of annual peak discharges is shown below.



## 02483890 Yockanookany River tributary near McCool, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1965	2/ 9/65	3.37	83	1977	3/12/77	3.97	131
1966	2/10/66	3.33	80	1978	5/ 1/78	4.83	210
1967	7/ 9/67	3.39	84	1979	4/12/79	6.70	400
1968	12/17/67	5.77	306	1980	3/28/80	6.76	415
1969	4/ 9/69	6.36	371	1981	5/18/81	3.04	60
1970	4/16/70	5.66	294	1982	1/23/82	4.49	178
1971	2/26/71	3.68	107	1983	5/19/83	4.93	220
1972	12/ 6/71	6.18	351	1984	12/ 3/83	3.69	108
1973	3/16/73	4.94	221	1985	2/ 7/85	2.77	43
1974	8/13/74	4.06	139	1986	3/18/86	2.89	50
1975	2/16/75	5.10	237	1987	11/26/86	2.62	34
1976	10/16/75	4.30	161	1988	12/28/87	2.86	48

02484000 Yockanookany River near Kosciusko, MS

LOCATION:

Lat 33°01'55", long 89°34'40", in NE 1/4 NE 1/4 sec.33, T.14 N., R.7 E., Choctaw Meridian, Attala County, Hydrologic Unit 03180001, on left bank at downstream side of bridge on State Highway 35, and 2.0 mi south of Kosciusko.

GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 374.34 ft above sea level. Prior to March 28, 1939, nonrecording gage.

DRAINAGE AREA: 303 mi<sup>2</sup> SLOPE: 3.3 ft/mi LENGTH: 37.1 mi

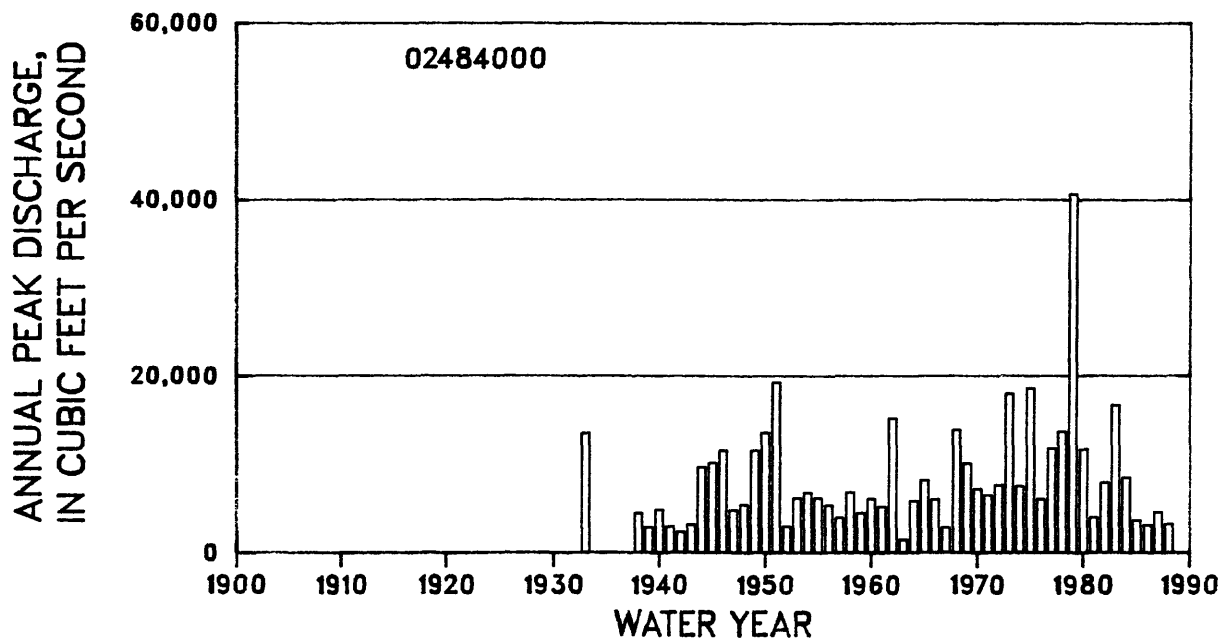
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.837  
STANDARD DEVIATION 0.280  
SKEW 0.090

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	6,800	11,800	15,800	21,600	26,600	32,000	38,100	47,000
REGIONAL	8,550	15,100	20,200	26,300	31,000	35,500	40,900	47,200
WEIGHTED	6,930	12,200	16,600	22,900	28,100	33,400	39,300	47,100

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	10	11	13	17	21	25	30	37
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	9	10	11	14	17	19	22	26

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 52

Graph of annual peak discharges is shown below.





## 02484000 Yockanookany River near Kosciusko, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1933	12/ /32	17.00	13,500	1963	3/ 7/63	12.06	1,490
1938	4/10/38	13.80	4,500	1964	4/ 8/64	15.07	5,920
1939	2/ 6/39	12.46	2,900	1965	2/12/65	15.81	8,240
1940	2/ 8/40	13.86	4,900	1966	2/13/66	15.18	6,080
1941	7/17/41	12.62	3,000	1967	5/24/67	13.82	2,880
1942	2/19/42	12.02	2,400	1968	12/19/67	18.04	13,900
1943	12/28/42	12.78	3,200	1969	4/11/69	16.50	10,100
1944	5/ 6/44	15.55	9,710	1970	1/ 1/70	15.57	7,220
1945	2/22/45	15.65	10,200	1971	5/15/71	15.31	6,550
1946	2/11/46	16.21	11,600	1972	1/12/72	15.75	7,700
1947	1/21/47	13.97	4,850	1973	3/17/73	17.97	18,000
1948	2/11/48	14.24	5,480	1974	12/27/73	15.70	7,560
1949	1/ 5/49	16.64	11,600	1975	3/15/75	18.86	18,600
1950	1/ 8/50	17.08	13,600	1976	10/17/75	15.13	6,110
1951	3/29/51	18.72	19,300	1977	4/ 5/77	16.97	11,800
1952	12/22/51	13.25	3,020	1978	5/ 9/78	17.56	13,700
1953	5/ 7/53	14.53	6,250	1979	4/13/79	23.06	40,700
1954	5/ 5/54	14.73	6,850	1980	3/29/80	16.94	11,700
1955	4/13/55	14.56	6,250	1981	4/ 1/81	13.75	4,030
1956	3/16/56	14.50	5,430	1982	4/22/82	15.62	7,980
1957	2/ 3/57	13.98	4,020	1983	5/21/83	18.48	16,700
1958	11/16/57	15.04	6,880	1984	12/ 5/83	15.78	8,520
1959	4/22/59	14.20	4,540	1985	2/25/85	13.21	3,690
1960	3/ 5/60	14.80	6,130	1986	3/21/86	12.79	3,160
1961	2/23/61	14.48	5,240	1987	3/ 1/87	13.95	4,670
1962	12/18/61	17.64	15,200	1988	12/28/87	13.04	3,280

02484500 Yockanookany River near Ofahoma, MS

LOCATION:

Lat 32°42'20", long 89°40'20", in NE 1/4 NW 1/4 sec.22, T.10 N., R.6 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, near center of main span on downstream side of bridge at State Highway 16, 1.5 mi east of Ofahoma, 3.5 mi upstream from mouth, and 8.5 mi southwest of Carthage.

GAGE:

Continuous discharge gage, water-stage recorder. Datum of gage is 306.15 ft above sea level. Prior to June 10, 1988, at datum 5.00 ft higher. Prior to Sept. 5, 1962, nonrecording gage. Prior to Dec. 14, 1941, at site 1,300 ft upstream at datum 5.72 ft higher than present datum.

DRAINAGE AREA: 469 mi<sup>2</sup> SLOPE: 2.2 ft/mi LENGTH: 73.9 mi

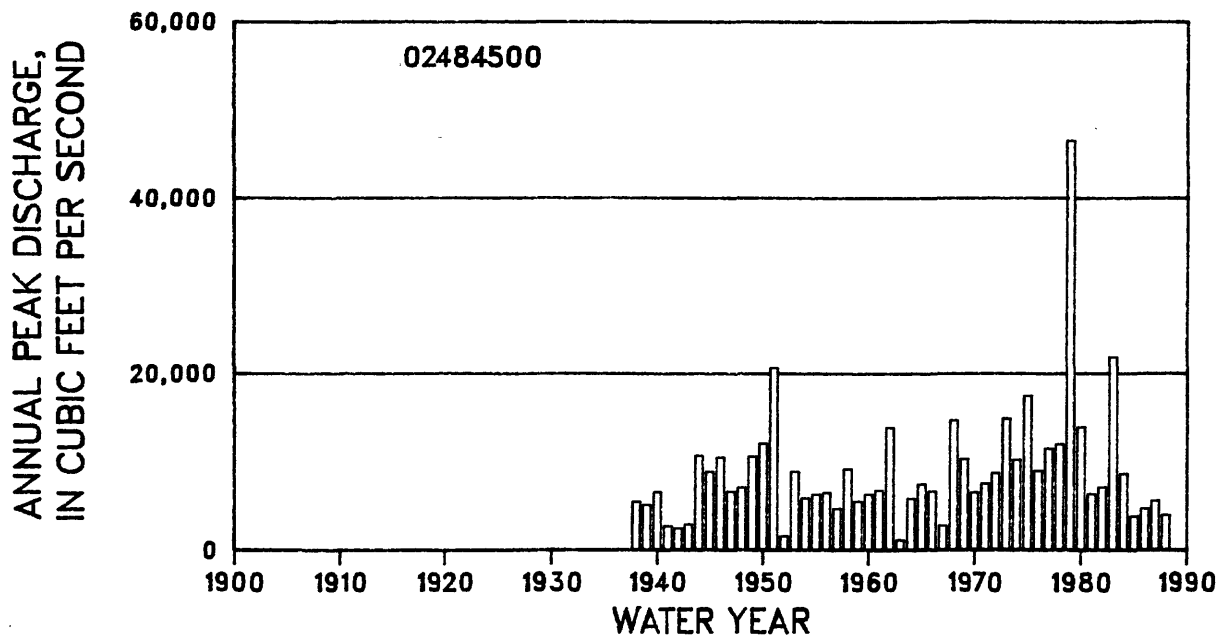
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.871  
STANDARD DEVIATION 0.267  
SKEW 0.021

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	7,410	12,400	16,300	21,800	26,400	31,300	36,500	44,100
REGIONAL	9,390	16,700	22,300	29,400	34,700	40,000	46,200	53,700
WEIGHTED	7,540	12,900	17,200	23,600	28,800	34,300	40,200	48,200

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	10	12	16	19	23	28	34
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	9	9	11	14	16	18	21	25

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 51

Graph of annual peak discharges is shown below.



## 02484500 Yockanookany River near Ofahoma, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1938	3/24/38	16.50 a	5,500	1964	3/15/64	17.02 a	5,840
1939	2/ 3/39	16.30 a	5,140	1965	2/14/65	17.48 a	7,450
1940	2/10/40	17.00 a	6,580	1966	2/14/66	17.16 a	6,670
1941	12/18/40	13.90 a	2,690	1967	5/27/67	13.71 a	2,760
1942	2/21/42	14.00 ab	2,440	1968	12/21/67	18.99 a	14,700
1943	12/28/42	14.60 a	2,900	1969	4/14/69	18.48 a	10,300
1944	2/28/44	18.20 a	10,700	1970	4/30/70	17.06 a	6,520
1945	2/22/45	17.98 a	8,900	1971	2/27/71	17.51 a	7,520
1946	2/13/46	18.41 a	10,500	1972	1/11/72	17.94 a	8,720
1947	1/ 8/47	17.20 a	6,640	1973	3/19/73	18.96 a	14,900
1948	2/15/48	17.40 a	7,100	1974	1/25/74	17.86 a	10,200
1949	1/ 7/49	18.80 a	10,600	1975	3/16/75	19.48 a	17,500
1950	1/10/50	19.19 a	12,100	1976	3/31/76	17.56 a	8,960
1951	3/31/51	20.28 a	20,700	1977	4/ 6/77	18.21 a	11,500
1952	2/ 4/52	12.17 a	1,590	1978	5/11/78	18.32 a	12,000
1953	5/ 5/53	18.03 a	8,920	1979	4/14/79	23.27 a	46,500
1954	5/ 7/54	16.85 a	5,900	1980	3/31/80	18.53 a	13,900
1955	4/15/55	17.00 a	6,320	1981	4/ 2/81	16.66 a	6,350
1956	3/17/56	17.07 a	6,540	1982	4/24/82	16.96 a	7,100
1957	2/ 6/57	16.10 a	4,700	1983	5/22/83	20.20 a	21,900
1958	5/ 3/58	18.07 a	9,220	1984	12/ 7/83	17.35 a	8,630
1959	4/25/59	16.65 a	5,520	1985	2/25/85	14.82 a	3,810
1960	3/ 7/60	17.03 a	6,320	1986	3/19/86	15.71 a	4,710
1961	2/23/61	17.21 a	6,780	1987	2/27/87	16.24 a	5,590
1962	12/20/61	19.40 a	13,900	1988	4/ 3/88	19.70 ab	3,960
1963	3/11/63	9.36 a	1,140				

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

02484600 Coffee Bogue near Ludlow, MS

LOCATION:

Lat 32°34'25", long 89°43'48", in N 1/2 of line between sec.1 and 6, T. 8 N., R.5 E., Choctaw Meridian, Scott County, Hydrologic Unit 03180002, at bridge on county road, and 1.0 mi west of Ludlow.

GAGE:

Crest-stage gage. Datum of gage is 310.76 ft above sea level.

DRAINAGE AREA: 77.0 mi<sup>2</sup> SLOPE: 3.8 ft/mi LENGTH: 23.5 mi

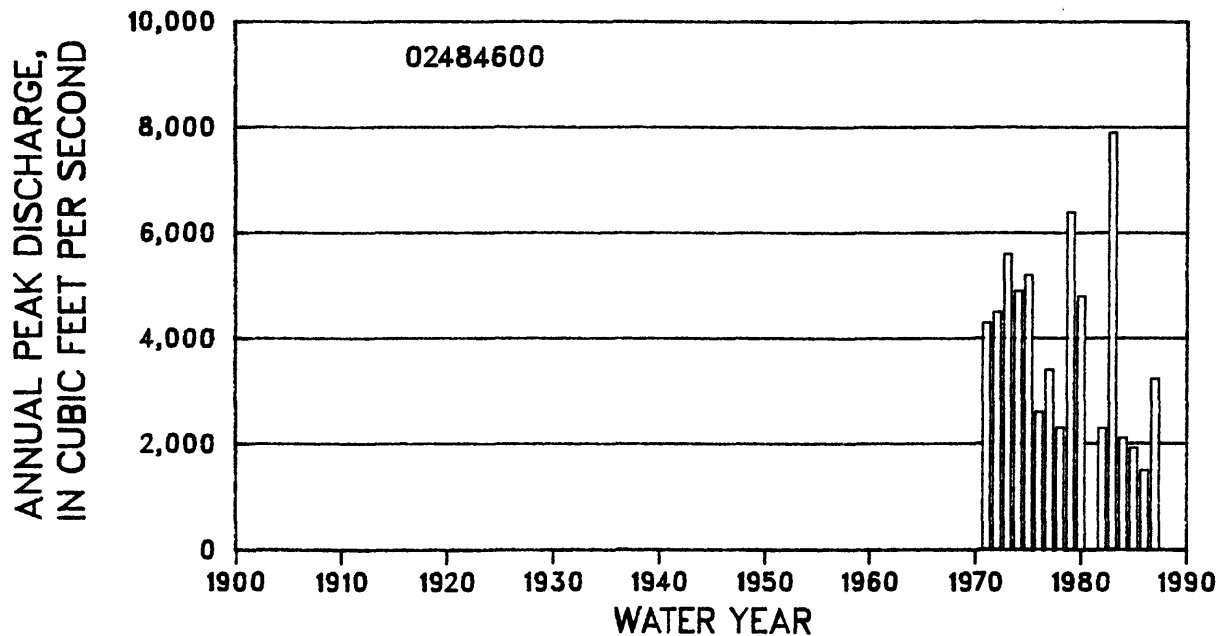
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.555  
STANDARD DEVIATION 0.203  
SKEW -0.054

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	3,610	5,330	6,510	8,060	9,240	10,400	11,700	13,300
REGIONAL	3,340	5,670	7,460	9,640	11,300	12,900	14,800	17,000
WEIGHTED	3,570	5,400	6,760	8,620	10,100	11,600	13,300	15,300

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	13	14	16	21	25	30	36	44
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	12	12	13	16	19	21	24	28

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 16

Graph of annual peak discharges is shown below.



## 02484600 Coffee Bogue near Ludlow, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1971	5/13/71	14.01	4,300	1979	1/20/79	14.89	6,400
1972	1/11/72	14.12	4,500	1980	4/12/80	14.00	4,800
1973	4/17/73	14.77	5,600	1982	4/20/82	12.13	2,290
1974	4/13/74	14.30	4,900	1983	4/ 7/83	15.36	7,900
1975	4/29/75	14.48	5,200	1984	5/ 3/84	11.93	2,110
1976	3/31/76	12.82	2,600	1985	2/ 1/85	11.71	1,920
1977	3/ 3/77	13.31	3,400	1986	3/18/86	--	1,500 h
1978	11/30/77	12.43	2,300	1987	2/27/87	12.94	3,230

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

02484630 Pearl River at Coal Bluff near Ratliff, MS

LOCATION:

Lat 32°35'25", long 89°46'49", in NW 1/4 sec.34, T.9 N., R.5 E., Choctaw Meridian, Scott County, Hydrologic Unit 03180002, on left bank at Coal Bluff Park, 0.5 mi upstream from Sycamore Creek, and 1.8 mi northwest of Ratliff.

GAGE:

Continuous-stage gage, water-stage recorder. Datum of gage is 290.00 ft above sea level.

DRAINAGE AREA: 2,600 mi<sup>2</sup> SLOPE: 1.2 ft/mi LENGTH: 126 mi

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
REGIONAL	27,700	47,100	62,200	84,200	102,000	121,000	143,000	174,000
T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
REGIONAL	--	--	--	--	--	--	--	--

NOTE: The period of record is insufficient for station flood-frequency analysis; therefore, only regional flood-frequency discharges estimated from main-stem frequency curve for the Pearl River, as developed by Landers and Wilson (1991), are presented in this report. No estimates of standard error are made, but probably similar to that reported for Stations 02483500 and 02485000.

## 02484630 Pearl River at Coal Bluff near Ratliff, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1979	4/15/79	26.50	--	1985	2/13/85	17.38	--
1981	4/ 6/81	19.82	--	1986	3/23/86	13.58	--
1982	4/25/82	17.72	--	1987	3/ 2/87	21.44	--
1983	5/23/83	24.49	--	1988	4/ 4/88	15.45	--
1984	4/ 9/84	17.03	--				

02484750 Red Cane Creek tributary near Pisgah, MS

LOCATION:

Lat 32°28'05", long 89°47'55", on line between NE 1/4 sec.8, and NW 1/4 sec.9, T.7 N., R.5 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at culvert on State Highway 43, and 4.1 mi east of Pisgah.

GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Sept. 29, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.10 mi<sup>2</sup> SLOPE: 73.3 ft/mi LENGTH: 0.4 mi

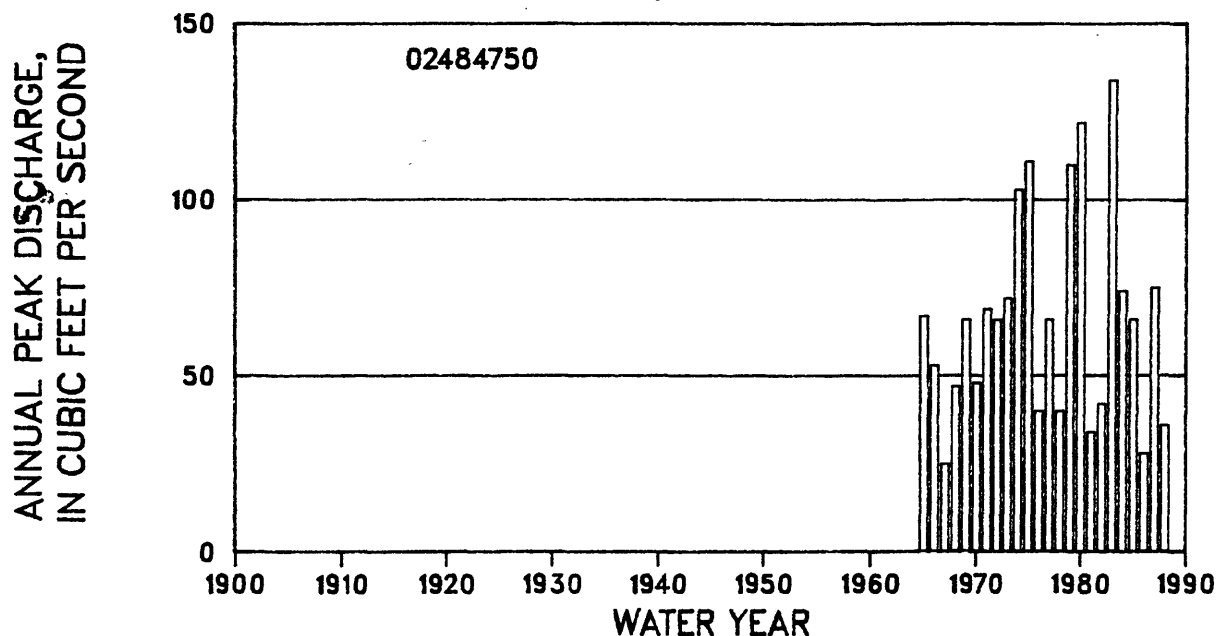
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 1.779  
STANDARD DEVIATION 0.201  
SKEW -0.064

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	60	89	108	133	153	172	192	219
REGIONAL	72	109	137	168	195	214	243	267
WEIGHTED	61	91	113	142	166	187	212	240

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	10	11	13	17	20	24	29	35
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	10	10	11	14	16	19	22	25

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 24

Graph of annual peak discharges is shown below.





## 02484750 Red Cane Creek tributary near Pisgah, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1965	2/12/65	5.06	67	1977	3/ 3/77	5.05	66
1966	2/10/66	4.66	53	1978	5/ 7/78	4.22	40
1967	5/21/67	3.64	25	1979	4/12/79	6.29	110
1968	4/28/68	4.44	47	1980	4/12/80	6.64	122
1969	4/17/69	5.04	66	1981	7/ 1/81	4.02	34
1970	8/ 4/70	4.50	48	1982	4/20/82	4.28	42
1971	5/12/71	5.14	69	1983	4/ 6/83	6.98	134
1972	3/ 2/72	5.03	66	1984	11/19/83	5.27	74
1973	3/24/73	5.21	72	1985	2/24/85	5.04	66
1974	12/25/73	6.10	103	1986	5/30/86	3.78	28
1975	8/ 1/75	6.34	111	1987	6/13/87	5.39	75
1976	3/30/76	4.22	40	1988	4/ 1/88	4.06	36

02484760 Fannegusha Creek near Sand Hill, MS

LOCATION:

Lat 32°30'20", long 89°48'45", in SW 1/4 sec.29, T.8 N., R.5 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at bridge on county road, and 3.9 mi east of Sand Hill.

GAGE:

Crest-stage gage. Datum of gage is 304.53 ft above sea level.

DRAINAGE AREA: 52.3 mi<sup>2</sup> SLOPE: 7.8 ft/mi LENGTH: 12.2 mi

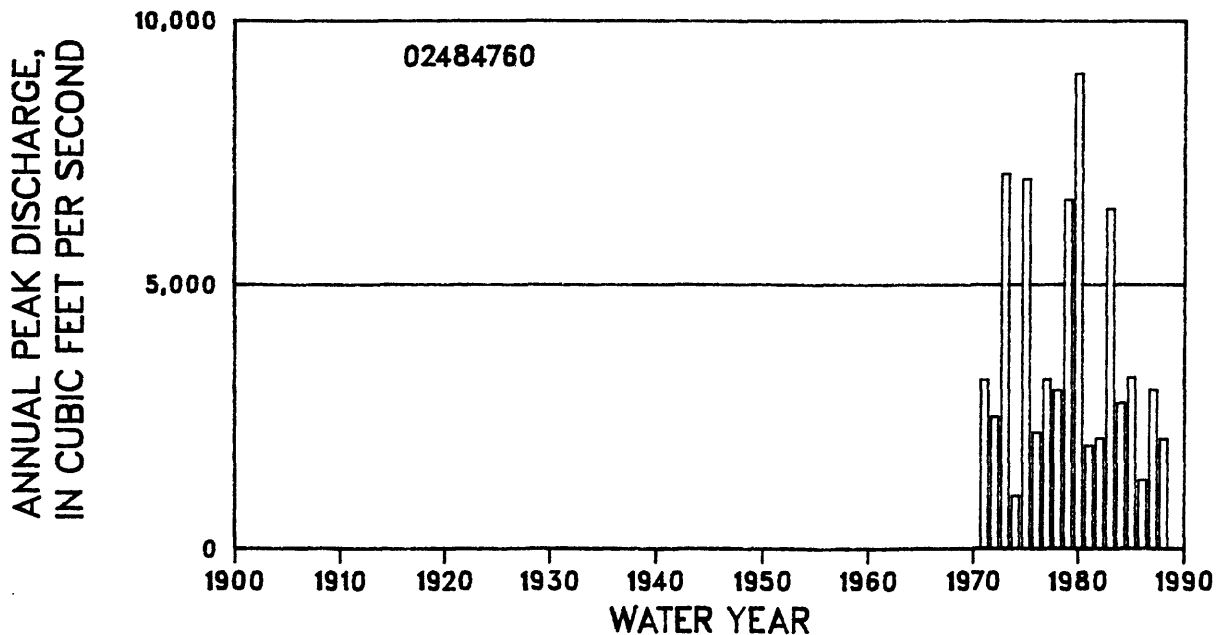
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.499  
STANDARD DEVIATION 0.265  
SKEW 0.040

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	3,140	5,260	6,910	9,260	11,200	13,300	15,500	18,800
REGIONAL	3,150	5,420	7,160	9,190	10,800	12,200	14,100	16,000
WEIGHTED	3,140	5,310	7,000	9,230	11,000	12,600	14,500	16,800

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	16	17	20	27	33	40	48	60
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	14	14	16	19	21	24	27	31

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 18

Graph of annual peak discharges is shown below.



## 02484760 Fannesgusha Creek near Sand Hill, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1971	5/13/71	11.52	3,200	1980	4/12/80	13.35	9,000
1972	3/ 2/72	11.08	2,500	1981	3/ 6/81	10.55	1,950
1973	4/17/73	13.36	7,100	1982	4/20/82	10.64	2,090
1974	1/26/74	10.39	1,000	1983	12/ 4/82	12.52	6,430
1975	8/ 1/75	13.34	7,000	1984	3/ 5/84	11.02	2,760
1976	3/16/76	11.01	2,200	1985	2/10/85	11.25	3,240
1977	3/ 3/77	11.51	3,200	1986	3/18/86	10.17	1,300
1978	11/30/77	11.32	3,000	1987	2/27/87	11.14	3,010
1979	4/11/79	12.74	6,600	1988	4/ 1/88	10.66	2,080

HISTORICAL DATA: The 1973 peak is the highest known since 1953.

# 02485000 Pearl River at Meeks Bridge near Canton, MS

## LOCATION:

Lat 32°30'50", long 89°56'25", NE 1/4 sec.25, T.8 N., R.3 E., Choctaw Meridian, near Rankin-Madison County line, Hydrologic Unit 03180002, at Meeks Bridge on State Highway 43, 9 mi southeast of Canton, 10 mi downstream from Fannegusha Creek, and in backwater of Ross Barnett Reservoir.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 270.53 ft above sea level. Nonrecording gage prior to Sept. 15, 1939.

DRAINAGE AREA: 2,760 mi<sup>2</sup> SLOPE: 1.1 ft/mi LENGTH: 144 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.435  
STANDARD DEVIATION 0.267  
SKEW 0.050

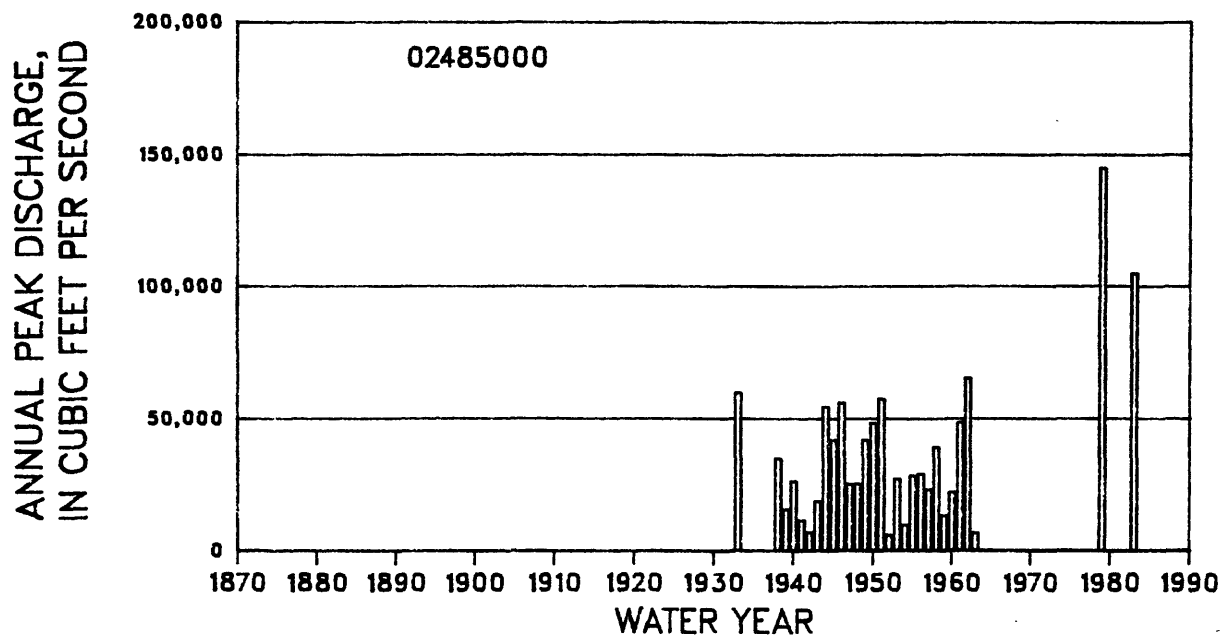
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	27,100	45,600	60,000	80,700	97,700	116,000	136,000	166,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	13	14	16	22	27	32	39	47

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 28

NOTE: The logarithmic mean and standard deviation of the station record were computed after adjusting the record based on a correlation with long-term records at Station 02486000 using procedures described in Bulletin 17B (Interagency Advisory Committee on Water Data, 1982). The flood-frequency discharges are unweighted station estimates.

Graph of annual peak discharges is shown below.



## 02485000 Pearl River at Meeks Bridge near Canton, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1933	12/ /32	26.40	60,000 f	1952	3/14/52	12.62	6,220
1938	4/12/38	24.50	35,200	1953	5/ 8/53	23.45	27,500
1939	2/11/39	20.90	15,800	1954	5/ 9/54	16.57	9,920
1940	7/16/40	23.73	26,500	1955	4/18/55	23.56	28,600
1941	12/21/40	17.91	11,700	1956	4/11/56	23.66	29,200
1942	3/15/42	13.60	7,200	1957	4/ 9/57	22.47	23,400
1943	3/28/43	21.37	19,000	1958	5/ 6/58	25.00	39,400
1944	4/ 2/44	25.78	54,700	1959	2/18/59	18.80	13,500
1945	3/27/45	24.86	42,300	1960	3/ 9/60	22.34	22,400
1946	2/15/46	26.20	56,200	1961	2/26/61	25.75	49,000
1947	1/25/47	23.04	25,500	1962	12/20/61	27.54	65,600
1948	3/10/48	22.98	25,500	1963	3/17/63	13.38	6,980
1949	1/10/49	25.20	42,200	1979	4/ /79	29.5	145,000 f
1950	1/12/50	25.72	48,600	1983	5/ /83	29.3	105,000 f
1951	4/ 2/51	26.30	57,800				

HISTORICAL DATA: The 1979 and 1983 peaks are the highest known since 1874.

f Discharge is an historical peak.

02485380 Hollybush Creek tributary no.1 near Pisgah, MS

LOCATION:

Lat 32°26'00", long 89°48'50", in NW 1/4 sec. 20, T.7 N., R.5 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at culvert on State Highway 43, and 7.2 mi southeast of Pisgah.

GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Sept. 30, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.59 mi<sup>2</sup>      SLOPE: 23.0 ft/mi      LENGTH: 1.2 mi

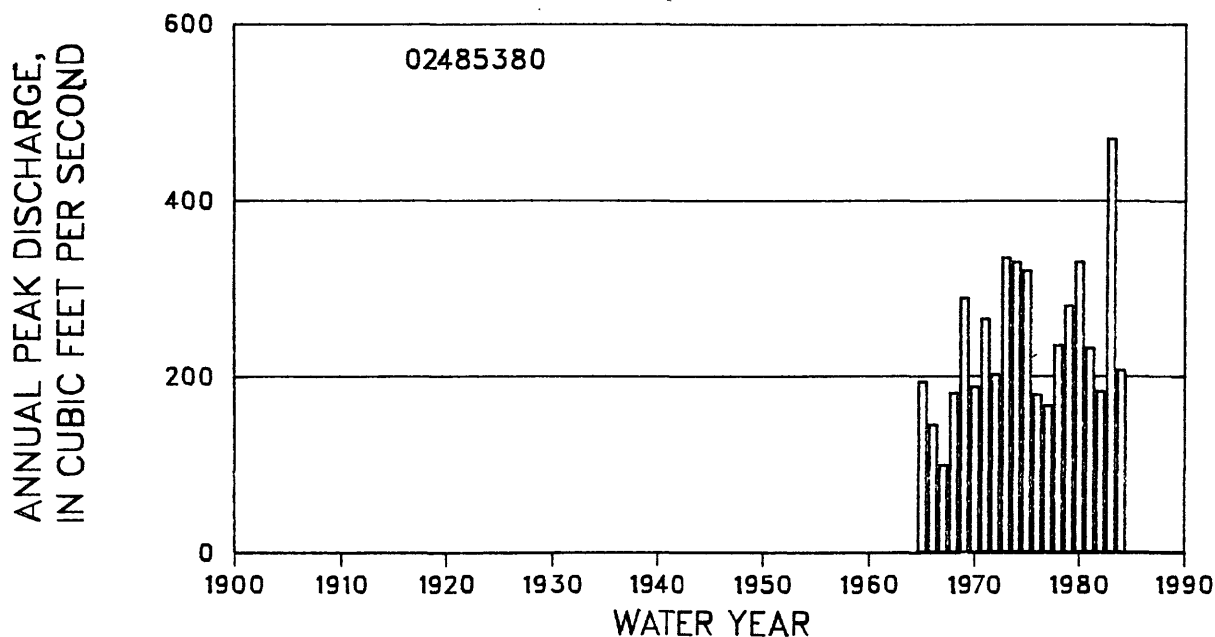
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN 2.357  
    STANDARD DEVIATION 0.155  
    SKEW -0.100

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	229	308	358	420	465	509	553	610
REGIONAL	199	305	384	476	552	611	694	773
WEIGHTED	227	308	362	431	486	538	597	666

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	9	11	14	17	20	24	29
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	8	9	10	12	14	17	19	22

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 20

Graph of annual peak discharges is shown below.



## 02485380 Hollybush Creek tributary no.1 near Pisgah, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1965	11/28/64	5.38	194	1975	8/ 1/75	6.84	320
1966	3/ 3/66	5.00	145	1976	3/30/76	5.26	179
1967	5/21/67	4.62	99	1977	3/ 3/77	5.41	167
1968	4/28/68	5.28	181	1978	3/13/78	5.98	235
1969	4/17/69	6.11	289	1979	5/ 5/79	6.64	280
1970	7/11/70	5.53	188	1980	11/23/79	7.09	330
1971	5/12/71	5.92	265	1981	5/20/81	5.67	232
1972	3/ 2/72	5.44	202	1982	5/22/82	5.29	183
1973	4/16/73	6.46	335	1983	4/ 6/83	8.03	470
1974	12/25/73	6.75	330	1984	11/19/83	5.48	207

02485385 Hollybush Creek tributary no.2 near Pisgah, MS

LOCATION:

Lat 32°25'40", long 89°48'55", in SW 1/4 sec. 20, T.7 N., R.5 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at culvert on State Highway 43, and 7.6 mi southeast of Pisgah.

GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Sept. 30, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.25 mi<sup>2</sup> SLOPE: 53.6 ft/mi LENGTH: 0.7 mi

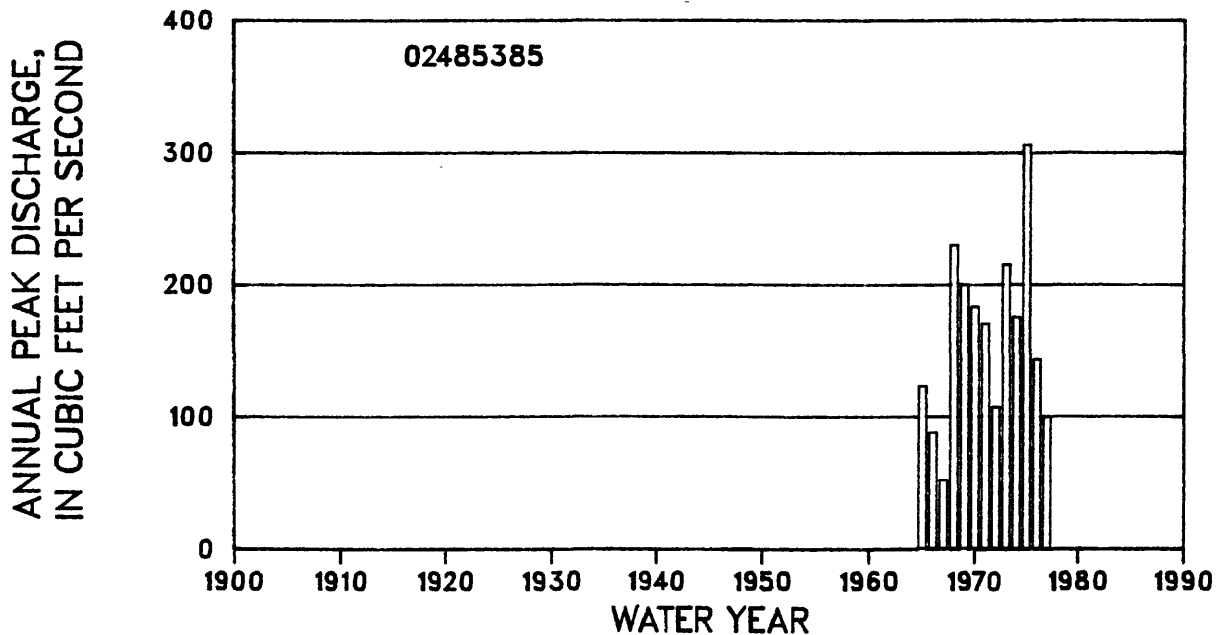
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.183  
STANDARD DEVIATION 0.175  
SKEW -0.078

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	153	214	254	305	342	379	417	467
REGIONAL	123	190	240	296	345	380	433	479
WEIGHTED	149	209	250	302	343	380	425	474

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	12	13	15	19	24	29	34	41
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	11	12	13	16	18	21	24	27

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 13

Graph of annual peak discharges is shown below.





## 02485385 Hollybush Creek tributary no.2 near Pisgah, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1965	11/28/64	4.58	123	1972	3/ 2/72	4.31	107
1966	5/21/66	4.00	88	1973	4/16/73	5.93	215
1967	5/21/67	3.27	52	1974	12/25/73	5.36	175
1968	4/28/68	6.13	230	1975	8/ 1/75	7.04	306
1969	4/17/69	5.72	200	1976	7/ 5/76	4.90	143
1970	9/26/70	5.47	183	1977	3/ 3/77	4.20	100
1971	5/12/71	5.29	170				

# 02485392 Clear Creek tributary near Pelahatchie, MS

## LOCATION:

Lat 32°21'35", long 89°47'55", on line between SW 1/4 sec.16 and SE 1/4 sec. 17, T.6 N., R.5 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at culvert on State Highway 43, and 3.3 mi north from intersection of U.S. Highway 80 and State Highway 43 in Pelahatchie.

## GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Sept. 30, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.12 mi<sup>2</sup> SLOPE: 141 ft/mi LENGTH: 0.5 mi

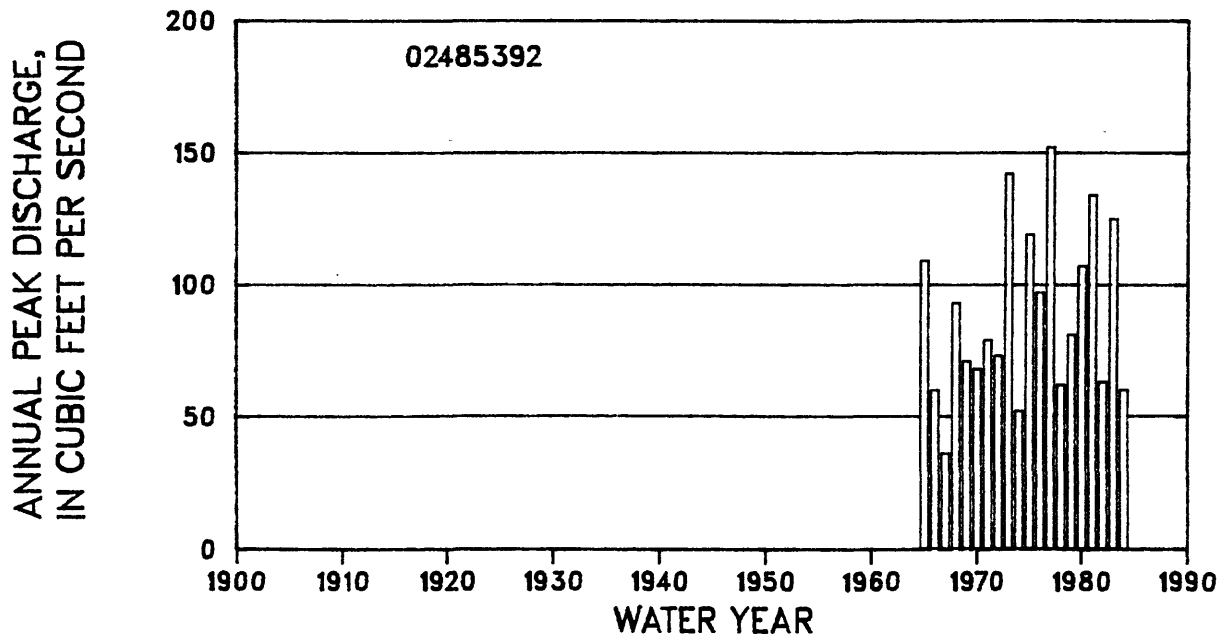
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 1.921  
STANDARD DEVIATION 0.165  
SKEW -0.092

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	84	115	135	160	178	196	214	238
REGIONAL	79	123	157	195	228	251	287	317
WEIGHTED	84	116	138	167	191	213	238	267

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	10	11	15	18	21	25	31
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	9	9	10	13	15	17	20	23

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 20

Graph of annual peak discharges is shown below.



## 02485392 Clear Creek tributary near Pelahatchie, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1965	12/ 3/64	5.89	109	1975	12/23/74	6.14	119
1966	4/26/66	4.67	60	1976	3/30/76	5.59	97
1967	5/21/67	4.08	36	1977	10/ 5/76	6.97	152
1968	7/ 4/68	5.50	93	1978	3/13/78	5.31	62
1969	4/17/69	4.96	71	1979	4/11/79	5.20	81
1970	4/11/70	4.87	68	1980	11/23/79	5.86	107
1971	5/10/71	5.16	79	1981	7/ 2/81	6.53	134
1972	12/ 6/71	5.01	73	1982	12/31/81	4.75	63
1973	4/16/73	6.72	142	1983	6/17/83	6.29	125
1974	11/20/73	4.47	52	1984	5/ 3/84	4.68	60

# 02485500 Pelahatchie Creek near Fannin, MS

## LOCATION:

Lat 32°23'18", long 89°58'05", SW 1/4 SW 1/4 sec.2, T.6 N., R.3 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at bridge on State Highway 471, 2.2 mi downstream from Clark Creek, 2.2 mi south of Fannin, and 7.5 mi upstream from mouth.

## GAGE:

Crest-stage gage. Datum of gage is 279.31 ft above sea level. Nonrecording gage prior to July 6, 1951.

DRAINAGE AREA: 206 mi<sup>2</sup> SLOPE: 3.5 ft/mi LENGTH: 32.6 mi

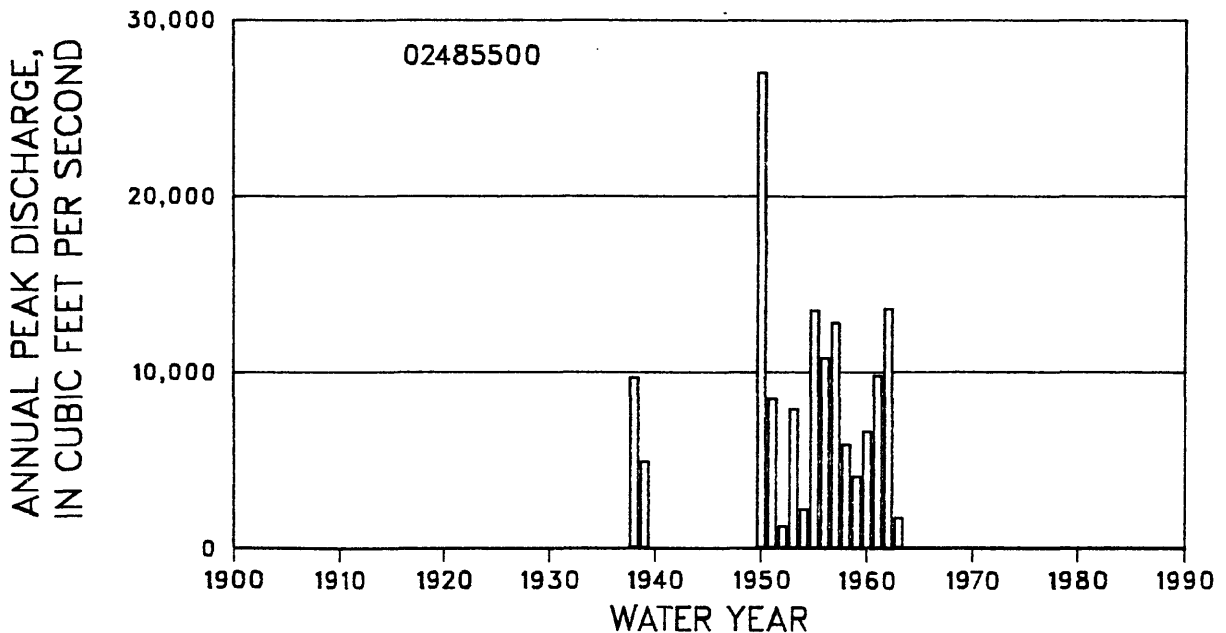
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.825  
STANDARD DEVIATION 0.359  
SKEW -0.222

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	6,890	13,500	18,900	26,600	33,000	39,900	47,300	57,800
REGIONAL	6,560	11,500	15,300	19,900	23,400	26,800	30,800	35,500
WEIGHTED	6,790	12,600	17,000	22,300	26,200	30,000	34,300	39,500

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	23	23	26	34	42	51	61	77
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	19	17	18	21	23	26	29	33

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 16

Graph of annual peak discharges is shown below.



## 02485500 Pelahatchie Creek near Fannin, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1938	4/ 8/38	21.00	9,700	1957	4/ 5/57	22.02	12,800
1939	2/28/39	19.50	4,900	1958	5/ 1/58	20.30	5,860
1950	1/ /50	23.70	27,000 c	1959	10/ 2/58	19.48	4,050
1951	3/30/51	20.68	8,500	1960	3/ 3/60	20.55	6,620
1952	3/12/52	13.46	1,240	1961	2/23/61	21.39	9,800
1953	4/30/53	20.54	7,900	1962	12/19/61	22.30	13,600
1954	3/30/54	17.22	2,200	1963	3/11/63	15.62	1,720
1955	4/13/55	22.08	13,500	1964	4/ 6/64	18.47	--
1956	2/ 4/56	21.55	10,800	1965	2/12/65	19.38	--

c Estimated.

# 02485650 Purple Creek at Jackson, MS

## LOCATION:

Lat 32°22'48", long 90°07'19", in NW 1/4 sec.8, T.6 N., R.2 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, at Old Canton Road bridge in Jackson, and 1.5 mi upstream from mouth.

## GAGE:

Crest-stage gage. Datum of gage is 265.30 ft above sea level. Prior to Oct. 29, 1982, at site 600 ft upstream, at datum 79.46 ft lower.

DRAINAGE AREA: 6.12 mi<sup>2</sup> SLOPE: 16.2 ft/mi LENGTH: 6.5 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.066  
STANDARD DEVIATION 0.186  
SKEW -0.003

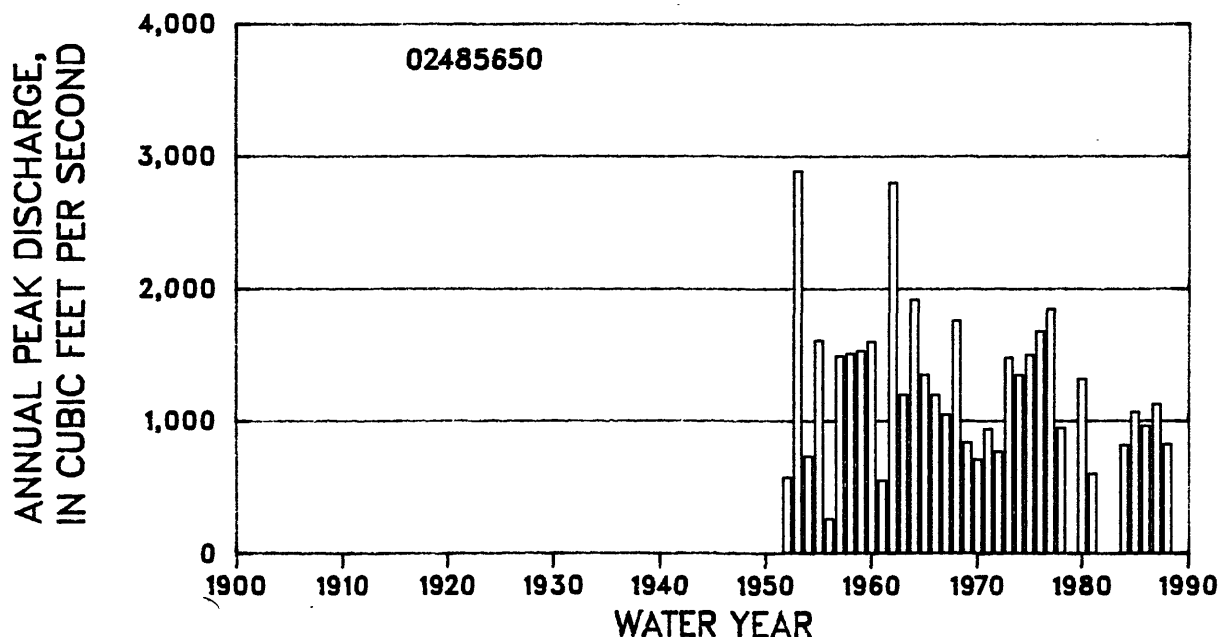
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	1,160	1,670	2,010	2,460	2,800	3,140	3,490	3,970

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	8	9	10	13	16	20	23	28

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 34

NOTE: The discharges are affected by urbanization. The flood-frequency discharges are unweighted station estimates.

Graph of annual peak discharges is shown below.



## 02485650 Purple Creek at Jackson, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1952	5/24/52	93.35 a	574 j	1970	12/30/69	94.03 a	710 j
1953	4/29/53	99.92 a	2,890 j	1971	4/21/71	94.94 a	940 j
1954	5/ 1/54	94.05 a	732 j	1972	7/29/72	94.21 a	769 j
1955	4/12/55	97.01 a	1,610 j	1973	4/16/73	96.50 a	1,480 j
1956	2/ 3/56	91.50 a	261 j	1974	1/24/74	96.26 a	1,350 j
1957	4/ 4/57	96.70 a	1,490 j	1975	2/16/75	97.26 a	1,500 j
1958	5/ 4/58	96.76 a	1,510 j	1976	10/16/75	97.78 a	1,680 j
1959	1/15/59	96.80 a	1,530 j	1977	4/ 4/77	99.96 a	1,850 j
1960	5/ 6/60	97.70 a	1,600 j	1978	11/30/77	95.00 a	950 j
1961	7/12/61	94.07 a	550 j	1980	4/12/80	94.67 a	1,320 j
1962	4/11/62	99.67 a	2,800 j	1981	7/ 1/81	91.16 a	600 j
1963	7/ 8/63	96.81 a	1,200 j	1982	1/23/82	87.84 a	--
1964	3/ 2/64	97.75 a	1,920 j	1984	3/ 5/84	8.48	820 j
1965	10/ 4/64	97.17 a	1,350 j	1985	9/ 3/85	9.85	1,070 j
1966	5/21/66	96.82 a	1,200 j	1986	3/18/86	9.30	965 j
1967	5/22/67	95.41 a	1,050 j	1987	8/ 4/87	10.13	1,130 j
1968	5/26/68	97.43 a	1,760 j	1988	4/ 1/88	8.51	825 j
1969	4/17/69	94.63 a	840 j				

a Gage height at different site and (or) datum.

j Discharge affected by urbanization or channelization.

# 02485690 Hanging Moss Creek tributary near Tougaloo, MS

## LOCATION:

Lat 32°22'52", long 90°09'39", NE 1/4 sec.11, T.6 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, at bridge on old U.S. Highway 51, 1.0 mi upstream from mouth, and 1.3 mi southwest of Tougaloo.

## GAGE:

Crest-stage gage. Datum of gage is 204.34 ft above sea level.

DRAINAGE AREA: 3.56 mi<sup>2</sup> SLOPE: 20.9 ft/mi LENGTH: 4.9 mi

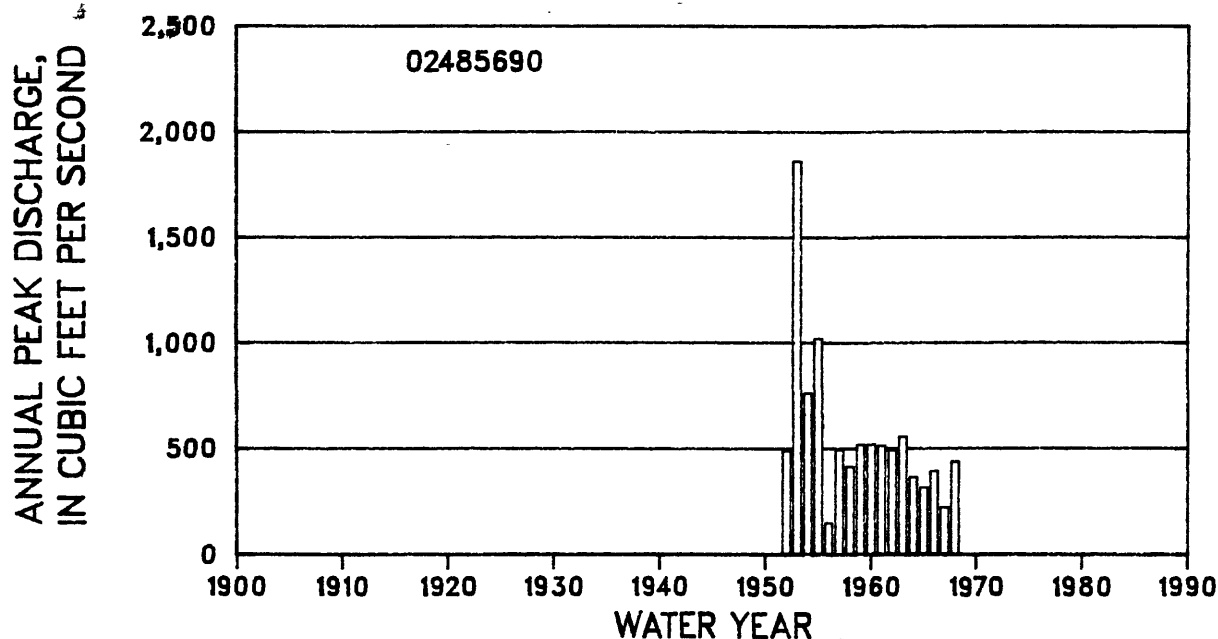
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.680  
STANDARD DEVIATION 0.241  
SKEW 0.103

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	474	762	981	1,290	1,550	1,820	2,110	2,540
REGIONAL	512	837	1,090	1,380	1,630	1,830	2,100	2,370
WEIGHTED	480	782	1,020	1,340	1,590	1,820	2,100	2,420

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	15	16	20	26	32	39	47	58
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	13	14	16	19	21	24	27	31

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 17

Graph of annual peak discharges is shown below.





## 02485690 Hanging Moss Creek tributary near Tougaloo, MS---Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1952	5/24/52	96.17	490	1961	5/ 2/61	96.42	513
1953	4/29/53	98.55	1,860	1962	4/11/62	96.18	492
1954	5/ 1/54	97.36	763	1963	7/ 8/63	96.62	557
1955	4/22/55	97.78	1,020	1964	3/ 2/64	94.99	364
1956	2/ 3/56	92.38	149	1965	12/11/64	94.46	315
1957	4/ 4/57	96.21	495	1966	5/21/66	95.28	393
1958	11/13/57	95.50	415	1967	5/22/67	93.35	222
1959	1/15/59	96.39	520	1968	5/26/68	95.71	438
1960	5/ 6/60	96.39	520				

# 02485700 Hanging Moss Creek at Jackson, MS

## LOCATION:

Lat 32°21'57", long 90°08'57", in NE 1/4 sec.13, T.6 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, on left bank 600 ft east from Old Canton Road, at Parham Bridges Park, 0.7 mi upstream from Whiteoak Creek, and 1.4 mi upstream from mouth.

## GAGE:

Crest-stage partial-record gage using water-stage recorder. Datum of gage is 260.00 ft above sea level. Prior to July 11, 1980, at site 0.6 mi upstream. From May 31, 1961, to July 11, 1980, at datum 1.33 ft higher than present datum, and prior to May 31, 1961, crest-stage gage at datum 72.23 ft lower than present datum.

DRAINAGE AREA: 16.8 mi<sup>2</sup> SLOPE: 12.6 ft/mi LENGTH: 7.4 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:	MEAN	3.386
	STANDARD DEVIATION	0.162
	SKEW	0.022

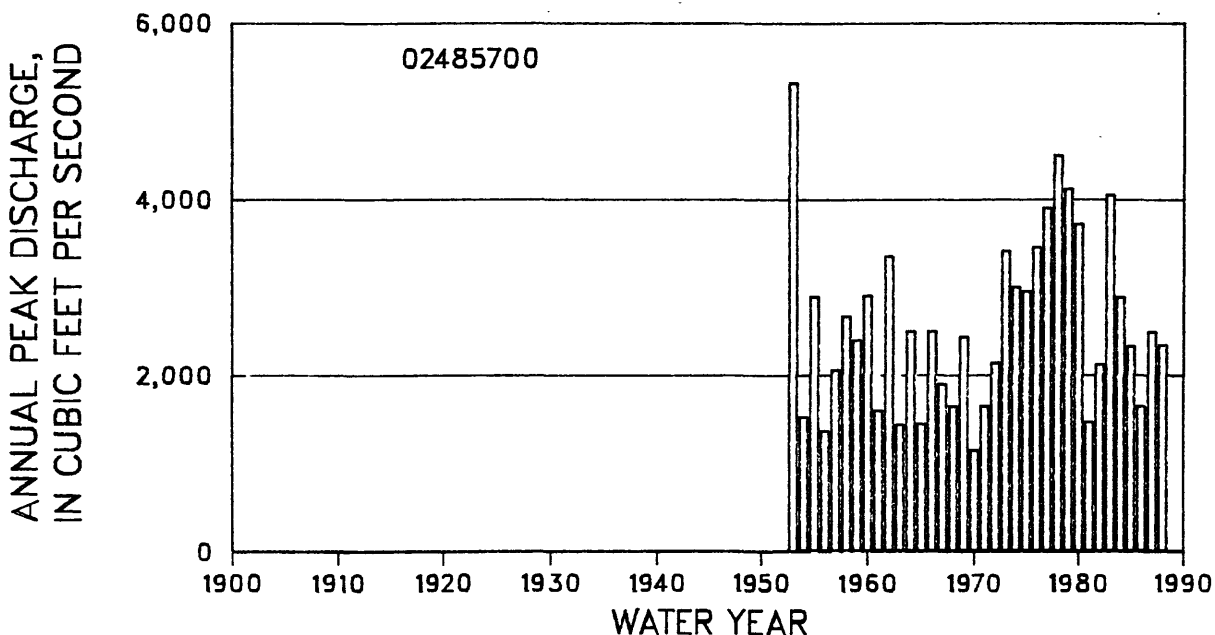
	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
T	2	5	10	25	50	100	200	500
STATION	2,430	3,330	3,930	4,690	5,260	5,830	6,410	7,190

	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
T	2	5	10	25	50	100	200	500
STATION	7	7	9	11	14	17	20	24

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 36

NOTE: The discharges are affected by urbanization. The flood-frequency discharges are un-weighted station estimates based on entire period of record.

Graph of annual peak discharges is shown below.



## 02485700 Hanging Moss Creek at Jackson, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1953	4/29/53	99.60 a	5,320	1971	10/13/70	16.51 a	1,650 j
1954	5/ 1/54	96.28 a	1,530	1972	2/ 7/72	17.31 a	2,140 j
1955	4/12/55	97.87 a	2,890	1973	4/16/73	19.23 a	3,410 j
1956	2/ 3/56	95.96 a	1,370	1974	1/24/74	18.55 a	3,000 j
1957	4/ 4/57	97.04 a	2,060	1975	2/16/75	20.82 a	2,950 j
1958	11/13/57	97.67 a	2,670	1976	10/16/75	21.74 a	3,450 j
1959	1/15/59	97.46 a	2,400	1977	4/ 4/77	20.98 a	3,900 j
1960	5/ 5/60	97.87 a	2,900	1978	11/30/77	20.07 a	4,500 j
1961	6/20/61	95.20 ab	1,600	1979	4/12/79	21.30 a	4,120 j
1962	4/11/62	24.40 a	3,350	1980	4/12/80	20.70 ab	3,720 j
1963	7/ 8/63	22.54 a	1,440	1981	6/ 1/81	15.64	1,470 j
1964	3/ 2/64	13.80 a	2,500 j	1982	8/ 1/82	17.30	2,120 j
1965	12/11/64	14.27 a	1,450 j	1983	4/14/83	20.64	4,050 j
1966	5/21/66	16.40 a	2,500 j	1984	3/ 5/84	17.10	2,880 j
1967	5/22/67	15.38 a	1,900 j	1985	2/24/85	15.90	2,330 j
1968	5/10/68	14.72 a	1,650 j	1986	10/23/85	14.26	1,650 j
1969	4/17/69	16.34 a	2,440 j	1987	3/17/87	16.25	2,490 j
1970	12/30/69	15.42 a	1,150 j	1988	4/ 2/88	15.91	2,340 j

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

j Discharge affected by urbanization or channelization.

02485780 Crane Creek at Jackson, MS

LOCATION:

Lat 31°21'00", long 90°09'50", in NE 1/4 sec.23, T.6 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, and at culvert on Meadowbrook Drive in Jackson.

GAGE:

Crest-stage gage. Datum of gage is assumed. From May 3, 1965, to May 25, 1966, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.43 mi<sup>2</sup> SLOPE: 48.4 ft/mi LENGTH: 0.9 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.657  
STANDARD DEVIATION 0.186  
SKEW -0.137

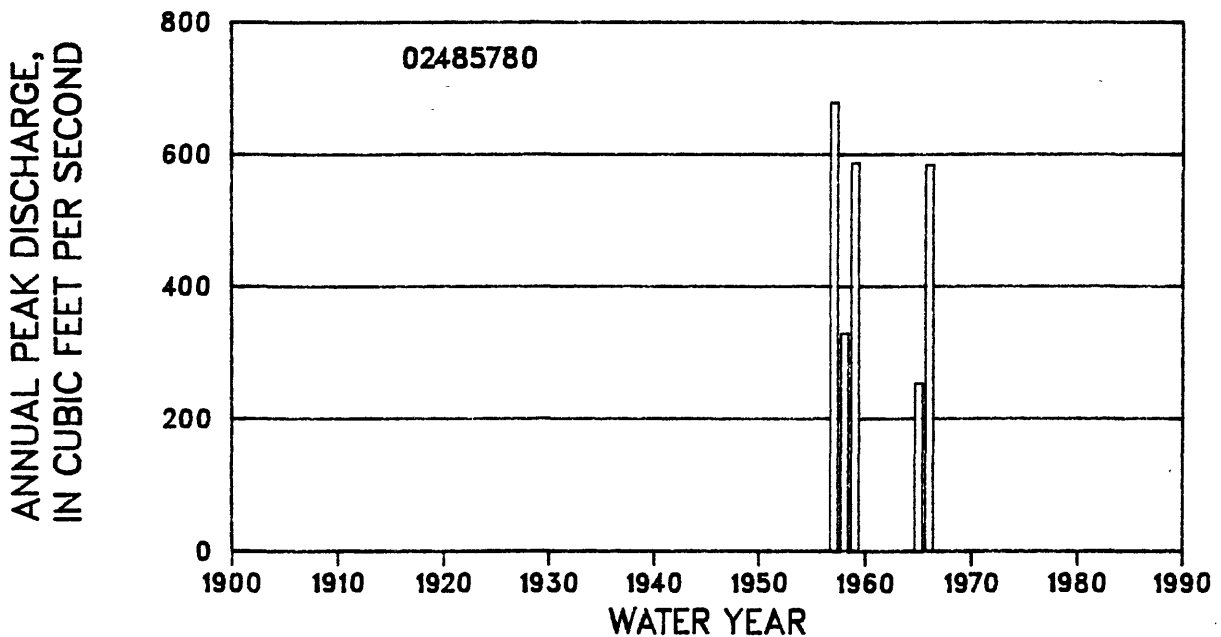
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	459	654	--	--	--	--	--	--

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	21	22	--	--	--	--	--	--

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 5

NOTE: The discharges are affected by urbanization. The flood-frequency discharges are unweighted station estimates, which may be more uncertain than is indicated by the standard error of estimate. The period of record is insufficient for station estimates of large recurrence interval floods.

Graph of annual peak discharges is shown below.



02485780 Crane Creek at Jackson, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1957	4/ 3/57	11.09	679 j	1965	9/11/65	6.44	253 j
1958	6/17/58	7.50	329 j	1966	5/19/66	10.15	584 j

j Discharge affected by urbanization or channelization.

# 02485800 Eubanks Creek at Jackson, MS

## LOCATION:

Lat 32°21'00", long 90°09'50", in NW 1/4 NE 1/4 sec.26, T.6 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, near left bank at downstream side of Wood Dale Drive bridge in Jackson, 0.3 mi upstream from Interstate Highway 55, and 1.3 mi upstream from mouth.

## GAGE:

Crest-stage partial-record gage using water-stage recorder. Datum of gage is 262.02 ft above sea level. From July 1954, to August 1959, at site 1,600 ft upstream at datum 0.74 ft lower. From November 1953, to February 1959, a crest-stage gage at site 1,700 ft downstream from present site.

DRAINAGE AREA: 5.19 mi<sup>2</sup> SLOPE: 23.9 ft/mi LENGTH: 3.4 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.333  
STANDARD DEVIATION 0.121  
SKEW 0.182

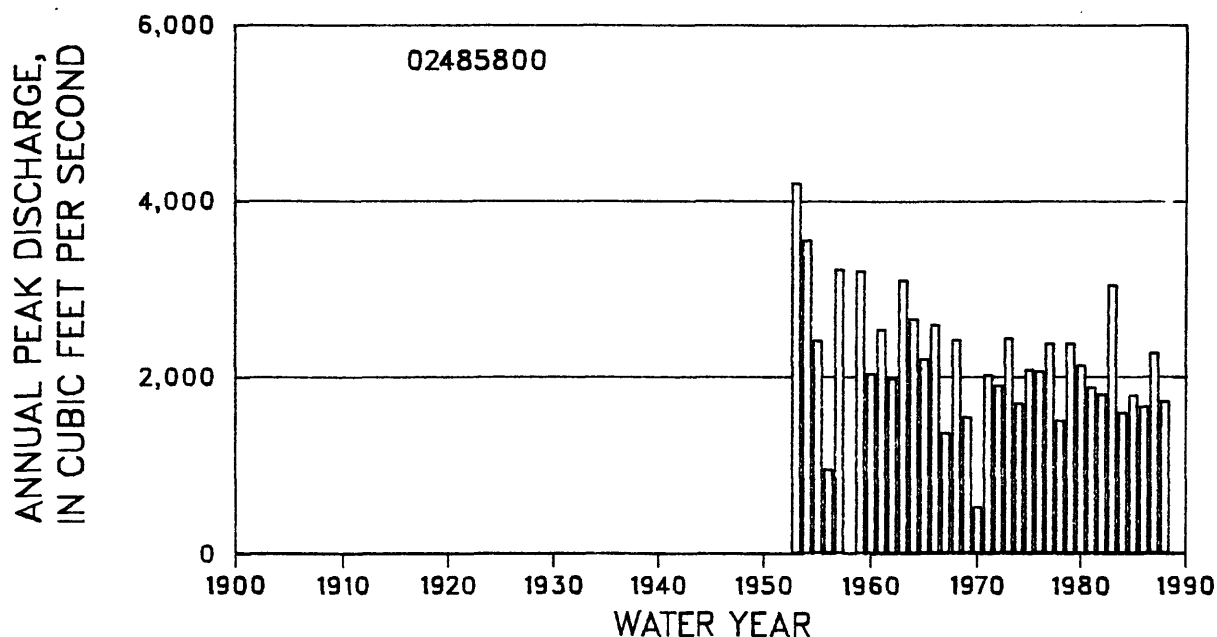
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	2,140	2,710	3,090	3,560	3,910	4,260	4,620	5,090

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	5	6	7	9	12	14	17	20

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 35

NOTE: The discharges are affected by urbanization. The flood-frequency discharges are unweighted station estimates. The contributing drainage area is 3.91 mi<sup>2</sup> because 1.28 mi<sup>2</sup> has been blocked off by Lake Hico since the 1959 water year.

Graph of annual peak discharges is shown below.



## 02485800 Eubanks Creek at Jackson, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1953	4/29/53	12.20 a	4,200 j	1971	4/21/71	13.93	2,020 jk
1954	5/ 1/54	10.25 a	3,550 j	1972	7/29/72	14.70	1,900 jk
1955	4/12/55	9.02 a	2,410 j	1973	4/16/73	14.83	2,440 jk
1956	3/13/56	6.15 a	950 j	1974	8/30/74	13.18	1,700 jk
1957	4/ 3/57	9.80 a	3,220 j	1975	8/16/75	14.06	2,080 jk
1958	5/ 4/58	10.68adm	--	1976	10/16/75	12.88	2,060 jk
1959	7/ 2/59	8.81 ab	3,200 jk	1977	4/ 4/77	13.65	2,380 jk
1960	5/ 6/60	12.42	2,030 jk	1978	3/13/78	11.90	1,500 jk
1961	7/12/61	13.26	2,540 jk	1979	4/11/79	13.35	2,380 jk
1962	4/11/62	12.34 d	1,980 jk	1980	4/12/80	12.77	2,130 jk
1963	7/ 8/63	14.20	3,100 jk	1981	5/19/81	10.77	1,880 jk
1964	3/ 2/64	13.46	2,660 jk	1982	1/23/82	10.53	1,800 jk
1965	12/12/64	12.70	2,200 jk	1983	4/13/83	13.75	3,040 jk
1966	5/19/66	15.15	2,590 jk	1984	12/11/83	9.97	1,590 jk
1967	5/ 1/67	12.38	1,360 jk	1985	10/24/84	10.50	1,790 jk
1968	7/ 2/68	14.80	2,420 jk	1986	3/18/86	10.15	1,660 jk
1969	4/13/69	12.82	1,540 jk	1987	8/ 5/87	11.77	2,270 jk
1970	12/30/69	10.08	520 jk	1988	4/ 2/88	10.34	1,720 jk

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

d Gage height not the maximum for the water year.

j Discharge affected by urbanization or channelization.

k Discharge affected by regulation.

m Gage height affected by backwater.

02485900 Neely Creek near Brandon, MS

LOCATION:

Lat 32°17'59", long 90°04'13", in SW 1/4 sec.2, T.5 N., R.2 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at culvert on New Airport Road, and 5.4 mi west of Brandon.

GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Sept. 28, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 1.09 mi<sup>2</sup> SLOPE: 40.1 ft/mi LENGTH: 1.4 mi

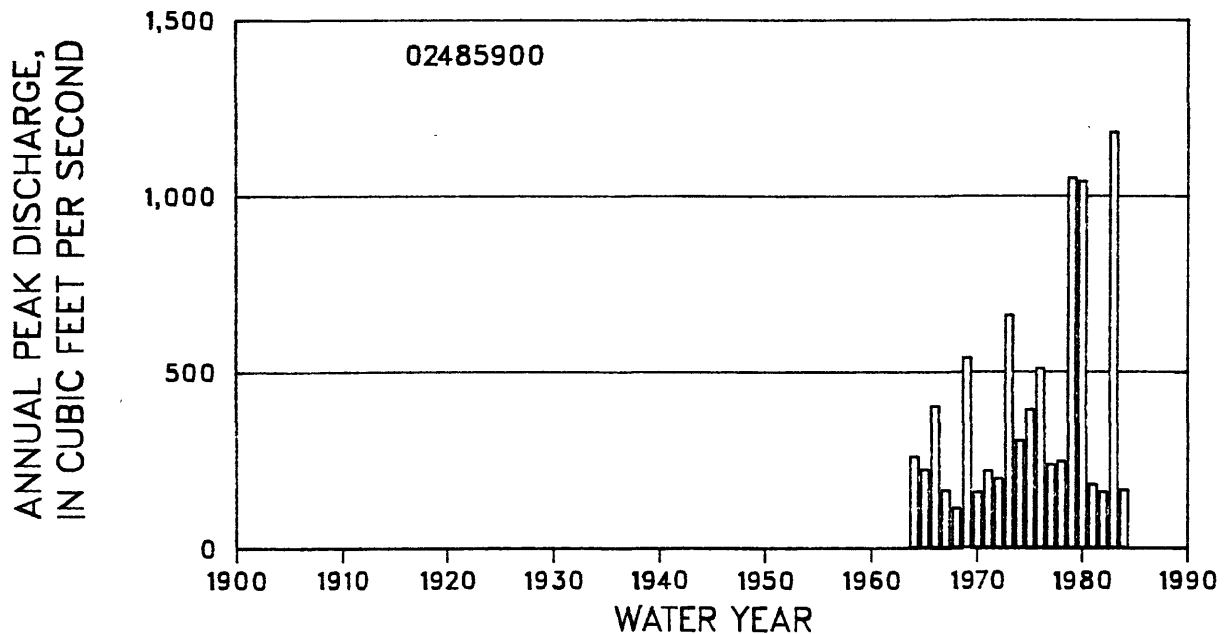
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.492  
STANDARD DEVIATION 0.301  
SKEW 0.301

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	300	550	770	1,120	1,440	1,820	2,260	2,950
REGIONAL	314	502	645	806	943	1,050	1,190	1,330
WEIGHTED	303	533	710	920	1,080	1,220	1,390	1,570

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	17	19	24	33	42	52	63	81
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	15	16	17	21	23	26	29	33

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 21

Graph of annual peak discharges is shown below.





## 02485900 Neely Creek near Brandon, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1964	3/14/64	4.12	258	1975	2/16/75	5.12	392
1965	10/ 4/64	3.82	221	1976	10/16/75	6.54	510
1966	5/19/66	5.19	402	1977	3/ 3/77	5.25	235
1967	5/ 4/67	3.31	163	1978	3/13/78	--	245
1968	5/26/68	2.81	113	1979	4/10/79	8.85	1,050
1969	4/17/69	6.08	540	1980	4/12/80	8.83	1,040
1970	3/19/70	3.26	158	1981	5/19/81	4.46	180
1971	3/13/71	3.79	218	1982	8/ 1/82	3.81	160
1972	12/ 6/71	3.60	195	1983	4/13/83	9.50	1,180
1973	4/16/73	6.80	661	1984	3/ 5/84	3.33	165
1974	12/25/73	4.48	304				

# 02485950 Town Creek at Jackson, MS

## LOCATION:

Lat 32°18'14", long 90°11'32", in NW 1/4 SW 1/4 sec.3, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, at bridge on Gallatin Street in Jackson, 300 ft upstream from Illinois Central Railroad, and 2.5 mi upstream from mouth.

## GAGE:

Crest-stage partial-record gage using water-stage recorder. Datum of gage is 262.72 ft above sea level.

DRAINAGE AREA: 11.4 mi<sup>2</sup> SLOPE: 14.2 ft/mi LENGTH: 6.7 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.447  
STANDARD DEVIATION 0.098  
SKEW 0.104

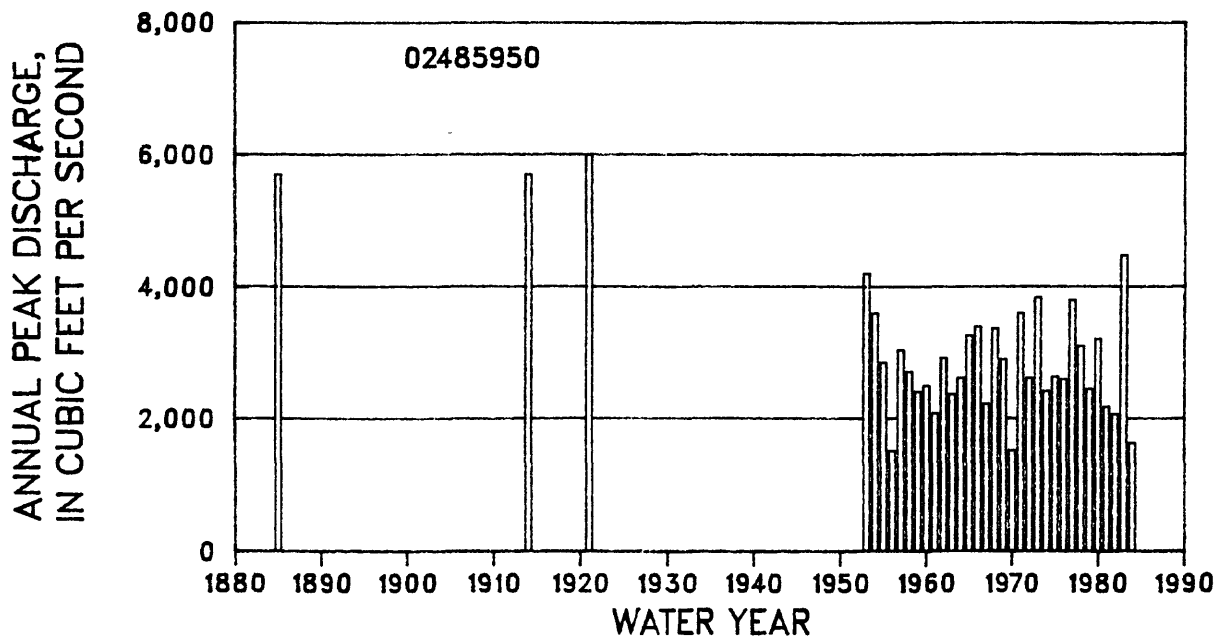
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	2,790	3,380	3,750	4,190	4,510	4,820	5,120	5,520

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	4	5	6	8	9	11	13	16

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 32

NOTE: The discharges are affected by urbanization. The flood-frequency discharges are unweighted station estimates.

Graph of annual peak discharges is shown below.



## 02485950 Town Creek at Jackson, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1885	4/ 7/85	18.00	5,700 cf	1968	7/ 2/68	13.72	3,370 j
1914	3/28/14	18.00	5,700 cf	1969	4/17/69	12.61	2,900 j
1921	unknown	19.00	6,000 cf	1970	12/30/69	9.09	1,520 j
1953	4/29/53	16.60	4,200 j	1971	2/26/71	14.25	3,600 j
1954	5/ 1/54	15.00	3,600 j	1972	7/29/72	11.93	2,620 j
1955	4/12/55	13.08	2,850 j	1973	4/16/73	14.80	3,840 j
1956	3/15/56	9.26	1,510 j	1974	1/25/74	11.45	2,420 j
1957	4/ 4/57	13.56	3,040 j	1975	2/16/75	13.32	2,640 j
1958	6/17/58	12.72	2,710 j	1976	10/16/75	13.15	2,600 j
1959	7/ 2/59	11.91	2,410 j	1977	4/ 4/77	15.00	3,800 j
1960	5/ 6/60	12.14	2,500 j	1978	11/30/77	13.50	3,100 j
1961	3/28/61	11.03	2,080 j	1979	4/10/79	11.97	2,450 j
1962	4/12/62	13.24	2,920 j	1980	4/12/80	13.71	3,210 j
1963	7/ 8/63	11.80	2,370 j	1981	7/ 1/81	9.92	2,180 j
1964	3/ 2/64	12.47	2,620 j	1982	2/16/82	8.80	2,070 j
1965	10/ 4/64	14.02	3,260 j	1983	4/14/83	12.90	4,480 j
1966	5/19/66	14.45	3,400 j	1984	5/ 3/84	6.50	1,630 j
1967	5/22/67	11.44	2,230 j				

HISTORICAL DATA: The 1953 peak is the highest known since 1921.

c Estimated.

f Discharge is an historical peak.

j Discharge affected by urbanization or channelization.

# 02486000 Pearl River at Jackson, MS

## LOCATION:

Lat 32°16'54", long 90°10'43", in NE 1/4 NE 1/4 sec.15, T.5 N, R.1 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, on left bank at downstream side of bridge on U.S. Highway 80 at eastern city limits of Jackson, 0.4 mi downstream from Illinois Central Railroad bridge, 0.4 mi downstream from Town Creek, 4.2 mi upstream from Richland Creek, and at mi 287.0.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 233.70 ft above sea level. Prior to Dec. 31, 1913, and Aug. 15, 1928, to Sept. 14, 1934, nonrecording gage. Prior to Oct. 1, 1975, at site 0.6 mi upstream, at datum 1.20 ft higher. Since Oct. 1, 1962, supplementary water-stage recorder 3.8 mi upstream.

DRAINAGE AREA: 3,170 mi<sup>2</sup> SLOPE: 1.0 ft/mi LENGTH: 177.0 mi

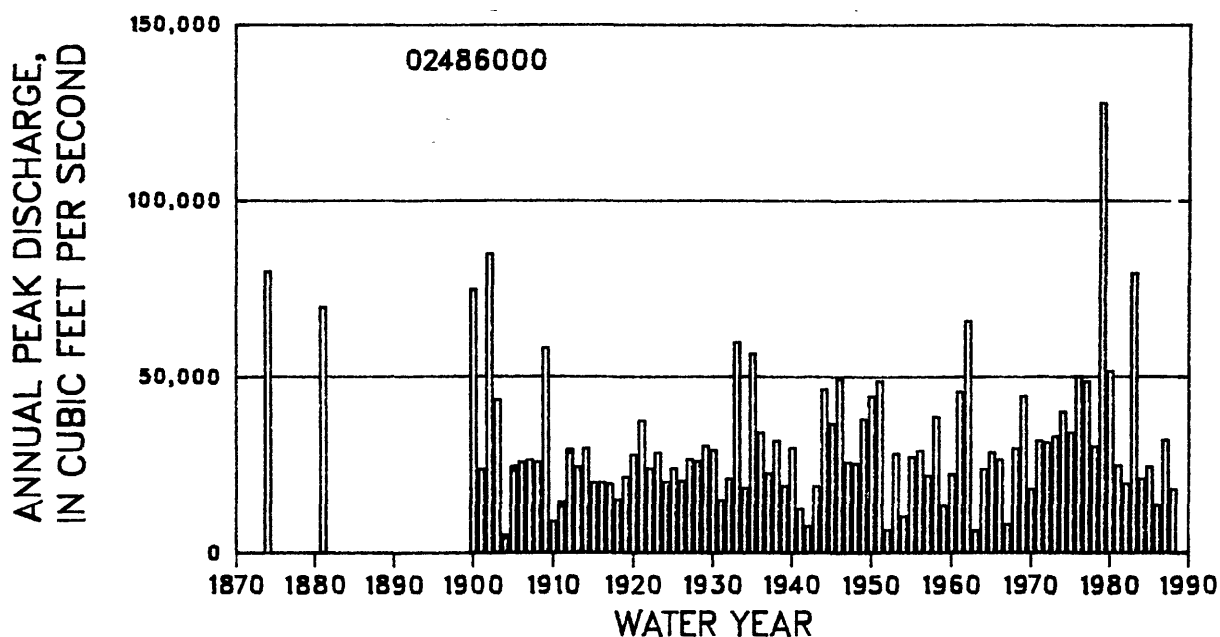
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:	MEAN	4.430
	STANDARD DEVIATION	0.252
	SKEW	0.050

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	26,800	43,800	56,800	75,000	90,000	106,000	123,000	148,000
T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	6	7	8	10	13	15	18	22

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 110

NOTE: The statistics of logarithms of annual peak discharge and the flood-frequency discharges were agreed upon by the U.S. Geological Survey and the U.S. Army Corps of Engineers, Mobile District, in 1980, following the April 1979 flood. The station was re-analyzed including record through the 1988 water year, and no revisions were warranted. The discharges have been affected by the operation of the Ross Barnett Reservoir, 15 mi upstream, since Sept. 27, 1961.

Graph of annual peak discharges is shown below.



## 02486000 Pearl River at Jackson, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1874	4/25/74	37.20 a	80,000 f	1944	4/ 4/44	34.03 a	46,700
1881	12/ 5/80	36.50 a	70,000 f	1945	3/ 1/45	32.58 a	36,900
1900	4/21/ 0	36.70 a	75,000	1946	2/17/46	34.44 a	49,600
1901	unknown	--	24,000 c	1947	1/22/47	30.66 a	26,000
1902	3/31/02	37.50 a	85,000	1948	3/11/48	30.63 a	25,600
1903	2/14/03	33.70 a	43,600	1949	1/12/49	33.11 a	38,300
1904	4/11/04	11.10 a	5,295	1950	1/14/50	33.90 a	44,700
1905	2/17/05	29.20 a	24,880	1951	4/ 4/51	34.36 a	49,100
1906	3/29/06	29.80 a	26,000	1952	3/16/52	17.51 a	6,600
1907	10/13/06	30.10 a	26,600	1953	5/ 9/53	31.65 a	28,500
1908	2/23/08	29.80 a	26,000	1954	5/12/54	23.25 a	10,600
1909	5/30/09	35.30 a	58,300	1955	4/20/55	31.50 a	27,500
1910	4/20/10	16.40 a	9,020	1956	4/14/56	31.78 a	29,300
1911	4/16/11	22.60 a	14,600	1957	4/11/57	30.32 a	22,100
1912	4/23/12	31.70 a	29,600	1958	5/ 8/58	34.23 a	38,900
1913	3/18/13	29.00 a	24,600	1959	2/20/59	26.52 a	13,600
1914	4/ 9/14	31.10 a	29,900	1960	3/11/60	30.29 a	22,600
1915	2/ 9/15	26.70 a	20,200	1961	3/ 1/61	35.00 a	46,000 g
1916	1/ 9/16	26.70 a	20,200	1962	12/21/61	37.24 a	66,100 g
1917	4/11/17	26.50 a	19,800	1963	3/19/63	17.74 a	6,440 g
1918	5/ 4/18	22.90 a	15,300	1964	3/23/64	31.00 a	24,000 g
1919	3/19/19	27.60 a	21,800	1965	2/17/65	32.02 a	28,800 g
1920	12/17/19	30.50 a	28,100	1966	2/18/66	30.99 a	26,700 g
1921	4/21/21	32.90 a	37,800	1967	5/25/67	20.16 a	8,130 g
1922	3/11/22	28.80 a	24,200	1968	12/23/67	31.43 a	29,900 g
1923	2/16/23	30.70 a	28,700	1969	4/20/69	34.55 a	44,800 g
1924	3/ 8/24	26.80 a	20,400	1970	5/ 3/70	27.43 a	18,300 g
1925	1/25/25	28.80 a	24,200	1971	5/15/71	32.67 a	32,100 g
1926	3/17/26	27.00 a	20,700	1972	1/17/72	32.56 a	31,600 g
1927	2/24/27	30.00 a	26,800	1973	4/19/73	32.99 a	33,400 g
1928	4/30/28	29.80 a	26,300	1974	4/19/74	34.36 a	40,300 g
1929	3/24/29	32.30 a	30,600	1975	3/20/75	32.43 a	34,400 g
1930	5/28/30	31.90 a	29,400	1976	4/ 3/76	35.74 b	50,400 g
1931	8/ 5/31	26.40 a	15,100	1977	4/ 9/77	35.57	48,900 g
1932	2/28/32	29.10 a	21,300	1978	5/14/78	32.09	30,400 g
1933	12/19/32	35.20 a	60,000	1979	4/17/79	43.28	128,000 g
1934	3/13/34	28.00 a	18,600	1980	4/15/80	35.63	51,800 g
1935	3/12/35	35.18 a	56,700	1981	4/ 7/81	30.26	25,000 g
1936	2/12/36	32.46 a	34,400	1982	4/24/82	28.19	19,900 g
1937	1/29/37	30.00 a	22,800	1983	5/25/83	39.58	79,500 g
1938	4/ 9/38	32.07 a	32,100	1984	3/ 8/84	28.60	21,200 g
1939	2/15/39	28.93 a	19,200	1985	2/ 7/85	29.26	24,700 g
1940	7/18/40	31.94 a	30,100	1986	3/22/86	24.86	13,800 g
1941	12/29/40	25.17 a	12,700	1987	2/28/87	32.59	32,300 g
1942	3/17/42	19.41 a	7,720	1988	4/ 6/88	27.87	18,200 g
1943	3/30/43	28.42 a	19,200				

HISTORICAL DATA: The 1979 peak is the highest known since 1874.

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

c Estimated.

f Discharge is an historical peak.

g Discharge affected to an unknown degree by regulation or diversion.

# 02486100 Lynch Creek at Jackson, MS

## LOCATION:

Lat 32°17'04", long 90°12'52", in SE 1/4 sec.8, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, at bridge on Valley Street in Jackson, 0.4 mi downstream from U.S. Highway 80, and 2.0 mi upstream from mouth.

## GAGE:

Crest-stage partial-record gage using water-stage recorder. Datum of gage is 261.68 ft above sea level.

DRAINAGE AREA: 12.1 mi<sup>2</sup> SLOPE: 15.5 ft/mi LENGTH: 6.5 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:	MEAN	3.558
	STANDARD DEVIATION	0.145
	SKEW	0.000

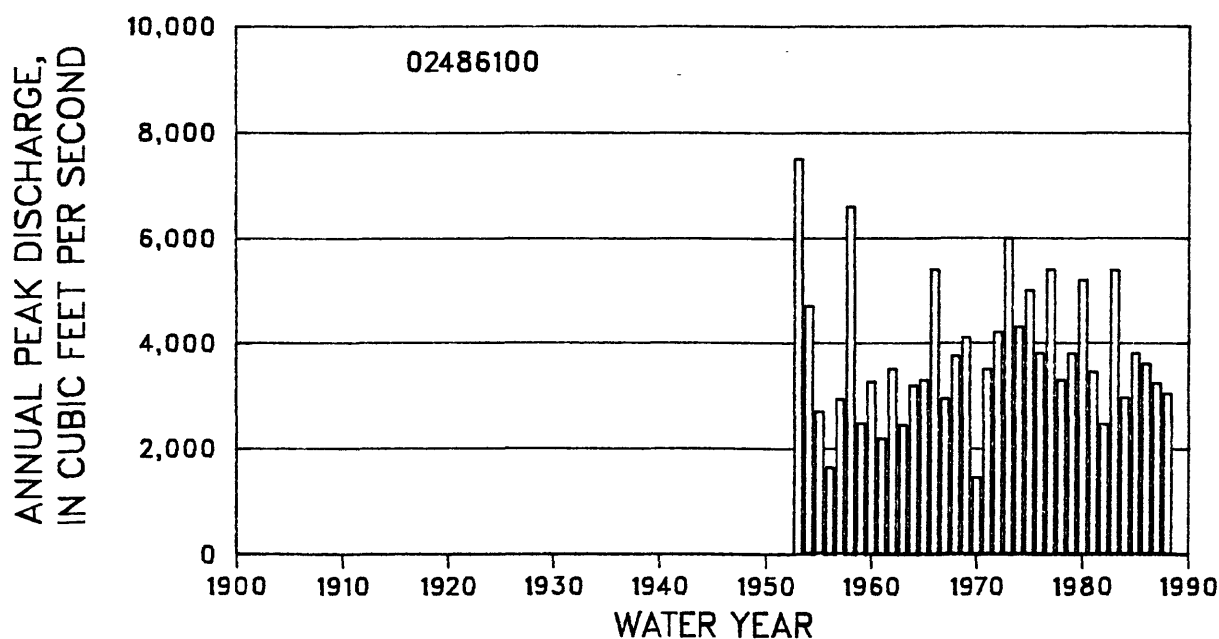
	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
T	2	5	10	25	50	100	200	500
STATION	3,620	4,790	5,550	6,490	7,180	7,860	8,540	9,450

	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
T	2	5	10	25	50	100	200	500
STATION	6	7	8	10	12	15	17	21

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 36

NOTE: The discharges are affected by urbanization. The flood-frequency discharges are unweighted station estimates.

Graph of annual peak discharges is shown below.



## 02486100 Lynch Creek at Jackson, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1953	4/29/53	18.90	7,500 j	1971	2/26/71	13.80	3,500 j
1954	5/ 1/54	15.50	4,700 j	1972	7/29/72	14.70	4,200 j
1955	4/12/55	13.08	2,700 j	1973	4/16/73	17.32	6,000 j
1956	3/15/56	9.26	1,640 j	1974	1/25/74	14.95	4,300 j
1957	4/ 4/57	13.56	2,940 j	1975	2/16/75	16.65	5,000 j
1958	6/16/58	12.72	6,600 j	1976	3/20/76	15.25	3,800 j
1959	5/22/59	11.84	2,480 j	1977	4/ 4/77	17.65	5,400 j
1960	5/ 6/60	13.66	3,270 j	1978	11/30/77	14.22	3,300 j
1961	6/20/61	11.10	2,190 j	1979	4/11/79	15.28	3,800 j
1962	4/12/62	14.61	3,510 j	1980	4/12/80	17.69	5,200 j
1963	7/ 8/63	11.80	2,450 j	1981	7/ 1/81	14.90	3,450 j
1964	3/ 2/64	13.21	3,200 j	1982	2/16/82	12.30	2,460 j
1965	10/ 4/64	13.57	3,300 j	1983	4/13/83	17.86	5,390 j
1966	5/19/66	16.70	5,400 j	1984	5/ 3/84	13.64	2,960 j
1967	6/ 1/67	12.93	2,950 j	1985	10/21/84	15.46	3,800 j
1968	7/ 2/68	14.21	3,750 j	1986	3/18/86	15.09	3,600 j
1969	4/17/69	14.61	4,100 j	1987	3/17/87	14.31	3,240 j
1970	12/30/69	8.92	1,450 j	1988	4/ 2/88	13.85	3,040 j

j Discharge affected by urbanization or channelization.

# 02486115 Three Mile Creek at Jackson, MS

## LOCATION:

Lat 32°16'15", long 90°13'00", in NW 1/4 SE 1/4 sec.17, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, at Terry Road, 0.6 mi upstream from Illinois Central Railroad, and 1.6 mi upstream from mouth.

## GAGE:

Crest-stage gage. Datum of gage is 273.42 ft above sea level. Prior to 1981 water year, at datum 23.42 ft lower.

DRAINAGE AREA: 1.05 mi<sup>2</sup> SLOPE: 44.4 ft/mi LENGTH: 1.8 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.999  
STANDARD DEVIATION 0.181  
SKEW -0.271

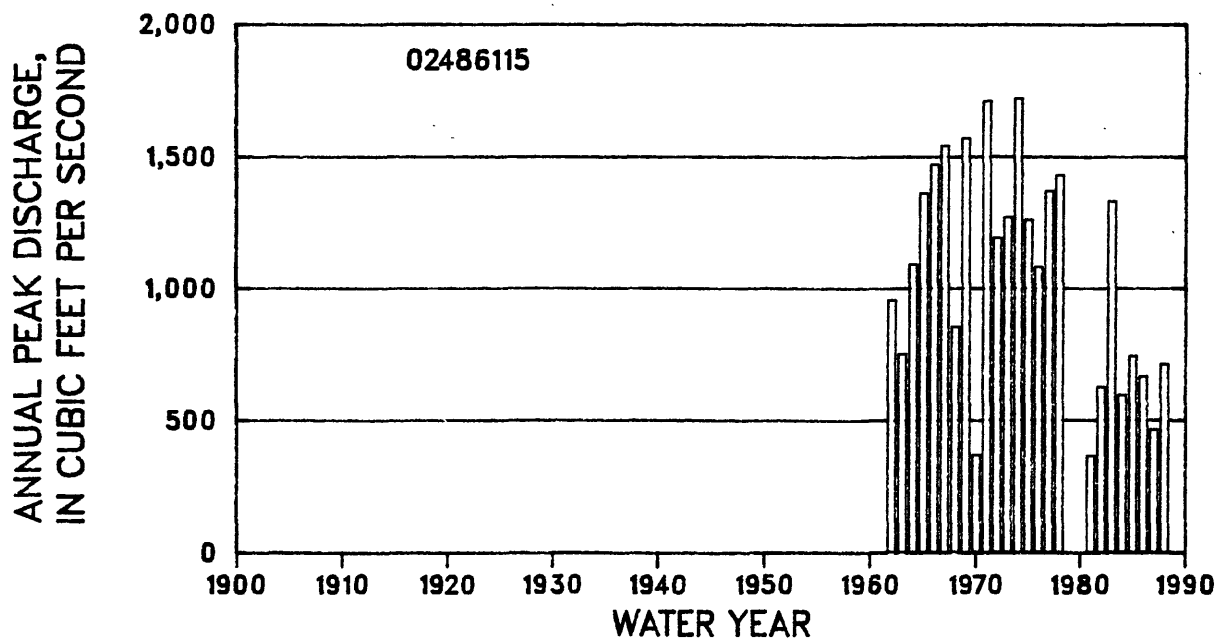
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	1,020	1,420	1,680	1,990	2,210	2,420	2,620	2,890

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	9	10	13	16	19	23	27

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 25

NOTE: The discharges are affected by urbanization. The flood-frequency discharges are unweighted station estimates.

Graph of annual peak discharges is shown below.





## 02486115 Three Mile Creek at Jackson, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1962	1/17/62	29.53 a	955 j	1975	2/16/75	30.38 a	1,260 j
1963	7/ 8/63	28.95 a	752 j	1976	3/20/76	29.88 a	1,080 j
1964	4/ 5/64	29.92 a	1,090 j	1977	4/ 4/77	30.64 a	1,370 j
1965	12/11/64	30.63 a	1,360 j	1978	3/13/78	30.81 a	1,430 j
1966	5/19/66	30.89 a	1,470 j	1981	7/ 1/81	6.15 b	366 j
1967	6/ 1/67	31.08 a	1,540 j	1982	2/16/82	7.86	625 j
1968	4/ 4/68	29.24 a	854 j	1983	4/13/83	10.96	1,330 j
1969	4/17/69	31.14 a	1,570 j	1984	8/22/84	7.69	594 j
1970	12/30/69	27.70 a	370 j	1985	10/21/84	8.48	742 j
1971	2/26/71	31.50 a	1,710 j	1986	3/18/86	8.08	665 j
1972	7/29/72	30.21 a	1,190 j	1987	2/15/87	6.91	465 j
1973	4/16/73	30.40 a	1,270 j	1988	4/ 2/88	8.32	711 j
1974	8/30/74	31.52 a	1,720 j				

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

j Discharge affected by urbanization or channelization.

02486240 Richland Creek tributary near Brandon, MS

LOCATION:

Lat 32°13'30", long 90°01'10", on line between sec.32 and sec.6, T.7 N., R.5 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at culvert on State Highway 469, and 4.6 mi southwest of Brandon.

GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Sept. 30, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.12 mi<sup>2</sup> SLOPE: 60.5 ft/mi LENGTH: 0.6 mi

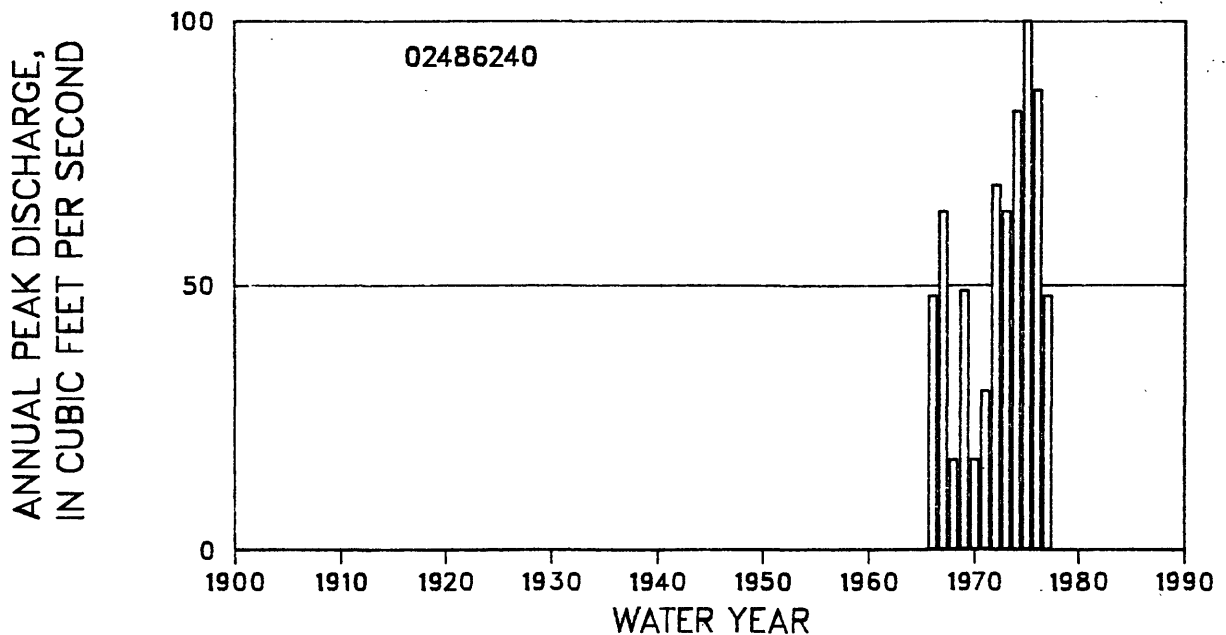
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 1.692  
STANDARD DEVIATION 0.257  
SKEW -0.187

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	50	81	104	133	156	180	204	237
REGIONAL	72	109	137	169	197	216	246	272
WEIGHTED	55	90	117	151	179	202	232	262

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	19	19	22	28	35	42	50	62
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	16	16	17	19	22	25	27	31

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 12

Graph of annual peak discharges is shown below.



## 02486240 Richland Creek tributary near Brandon, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1966	5/19/66	4.71	48	1972	12/ 6/71	5.30	69
1967	5/21/67	5.15	64	1973	4/16/73	5.17	64
1968	12/21/67	3.78	17	1974	12/25/73	5.67	83
1969	4/17/69	4.72	49	1975	2/16/75	6.10	100
1970	12/ 6/69	3.77	17	1976	3/20/76	5.68	87
1971	9/16/71	4.20	30	1977	4/ 4/77	4.70	48

# 02486350 Cany Creek at Jackson, MS

## LOCATION:

Lat 34°14'10", long 90°14'00", in NW 1/4 sec.31, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, 1.2 mi upstream from Illinois Central Railroad bridge, 1.7 mi upstream from mouth, and at bridge on Terry Road in Jackson.

## GAGE:

Crest-stage gage. Datum of gage is 200.00 ft above sea level.

DRAINAGE AREA: 8.38 mi<sup>2</sup> SLOPE: 19.8 ft/mi LENGTH: 5.4 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:	MEAN	3.459
	STANDARD DEVIATION	0.119
	SKEW	0.012

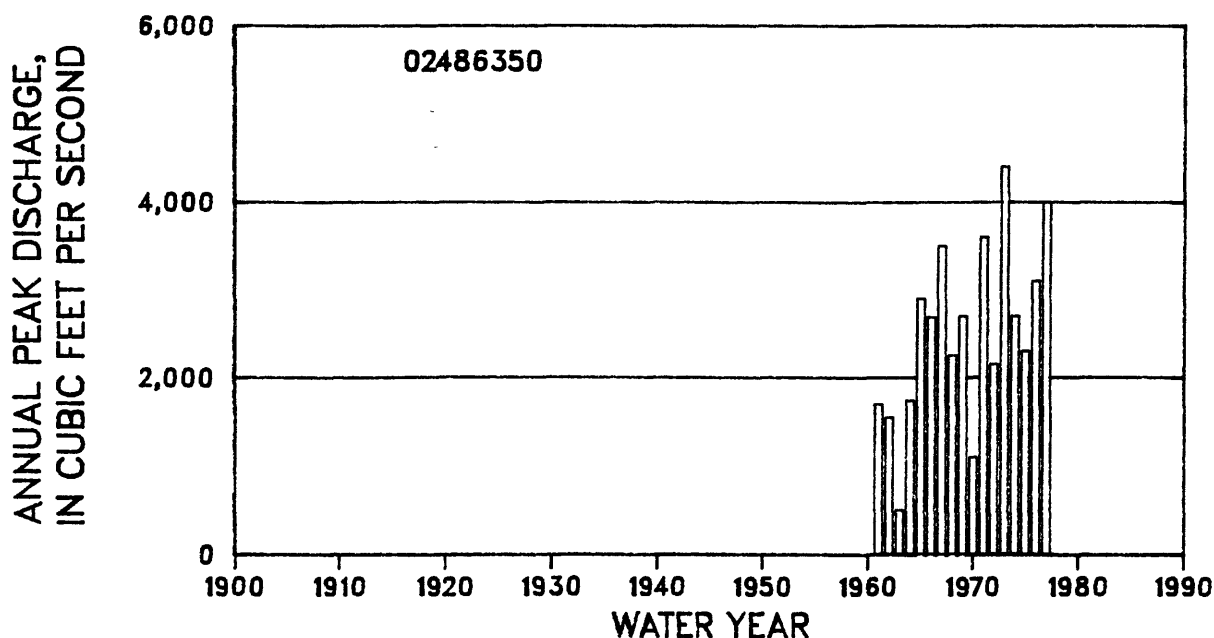
	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
T	2	5	10	25	50	100	200	500
STATION	2,870	3,620	4,080	4,650	5,050	5,450	5,830	6,340

	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
T	2	5	10	25	50	100	200	500
STATION	9	10	11	15	18	22	26	32

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 11

NOTE: The discharges are affected by urbanization. The flood-frequency discharges are unweighted station estimates, which may be more uncertain than is indicated by the standard error of estimate.

Graph of annual peak discharges is shown below.



## 02486350 Cany Creek at Jackson, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1961	5/ 9/61	71.77	1,700 j	1970	2/ /70	--	1,100 hj
1962	1/27/62	71.61	1,550 j	1971	2/26/71	70.00	3,600 j
1963	3/ 1/63	68.91	500 j	1972	7/29/72	68.15	2,150 j
1964	3/ 2/64	71.86	1,740 j	1973	4/16/73	70.89	4,400 j
1965	11/28/64	72.49	2,900 j	1974	8/30/74	69.00	2,700 j
1966	5/19/66	72.31	2,690 j	1975	2/16/75	71.66	2,300 j
1967	6/ 1/67	68.83	3,500 j	1976	10/16/75	72.26	3,100 j
1968	5/ 9/68	67.25	2,250 j	1977	4/ 4/77	72.87	4,000 j
1969	4/17/69	68.95	2,700 j				

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

j Discharge affected by urbanization or channelization.

# 02486690 Rhodes Creek near Terry, MS

## LOCATION:

Lat 32°07'12", long 90°18'04", in NE 1/4 sec.9, T.3 N., R.1 W., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, at bridge on old U.S. Highway 51, 1.0 mi upstream from Harris Creek, and 1.2 mi north of Terry.

## GAGE:

Crest-stage gage. Datum of gage is assumed.

DRAINAGE AREA: 21.0 mi<sup>2</sup> SLOPE: 11.1 ft/mi LENGTH: 12.0 mi

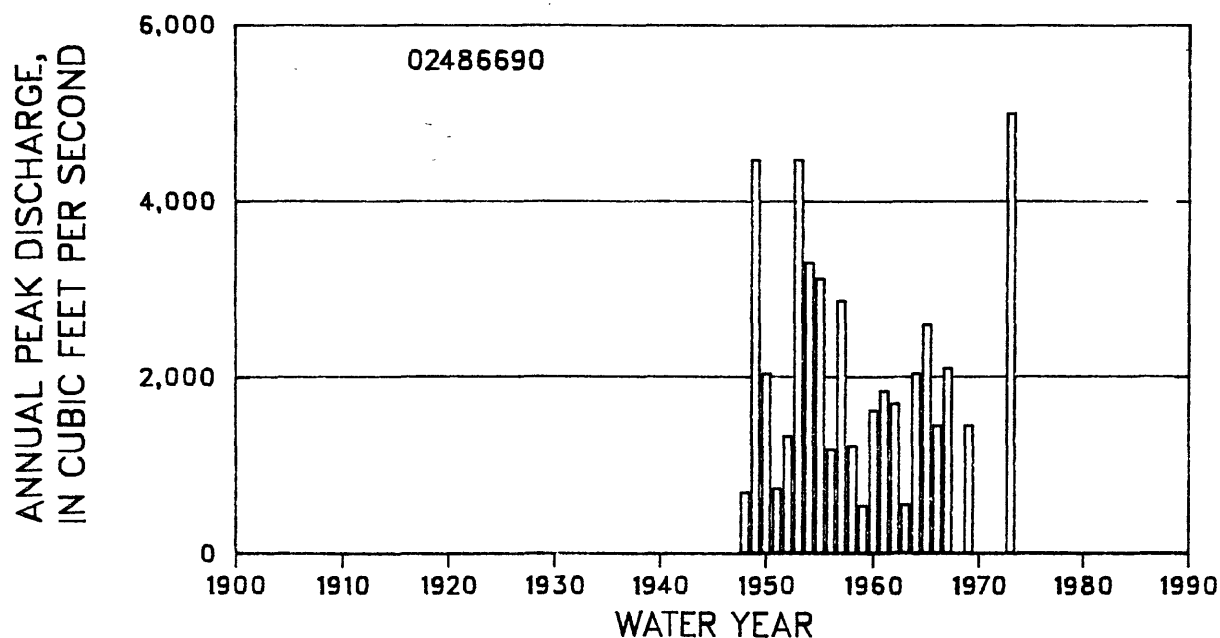
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.220  
STANDARD DEVIATION 0.269  
SKEW -0.133

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	1,680	2,810	3,640	4,770	5,660	6,600	7,570	8,930
REGIONAL	1,530	2,600	3,420	4,410	5,200	5,890	6,790	7,740
WEIGHTED	1,660	2,760	3,570	4,620	5,440	6,210	7,110	8,180

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	14	15	17	22	27	33	39	48
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	13	13	14	17	20	22	25	29

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 22

Graph of annual peak discharges is shown below.



## 02486690 Rhodes Creek near Terry, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1948	3/ 9/48	16.51	694	1959	4/21/59	14.94	540
1949	3/ /49	24.50	4,470	1960	3/ 3/60	20.00	1,620
1950	1/ 7/50	20.86	2,040	1961	2/18/61	20.45	1,840
1951	3/19/51	16.86	736	1962	12/17/61	20.15	1,700
1952	12/ /51	19.27	1,330	1963	1/19/63	15.17	555
1953	4/29/53	24.50	4,470	1964	4/26/64	20.85	2,040
1954	5/ 1/54	23.00	3,300	1965	11/28/64	21.83	2,600
1955	4/12/55	22.70	3,120	1966	2/16/66	19.55	1,450
1956	4/ 4/56	18.90	1,180	1967	6/ 1/67	20.98	2,100
1957	4/ 4/57	22.28	2,870	1969	4/17/69	19.56	1,450
1958	4/10/58	19.01	1,220	1973	4/16/73	23.70	5,000 f

HISTORICAL DATA: The 1973 peak is the highest known since 1948.

f Discharge is an historical peak.

# 02487230 Strong River near Morton, MS

## LOCATION:

Lat 32°19'15", long 89°36'55", in NE 1/4 sec.31, T.6 N., R.7 E., Choctaw Meridian, Scott County, Hydrologic Unit 03180002, on State Highway 481, and 3.4 mi southeast of Morton.

## GAGE:

Crest-stage gage. Datum of gage is 390.0 ft above sea level.

DRAINAGE AREA: 16.2 mi<sup>2</sup> SLOPE: 10.7 ft/mi LENGTH: 5.6 mi

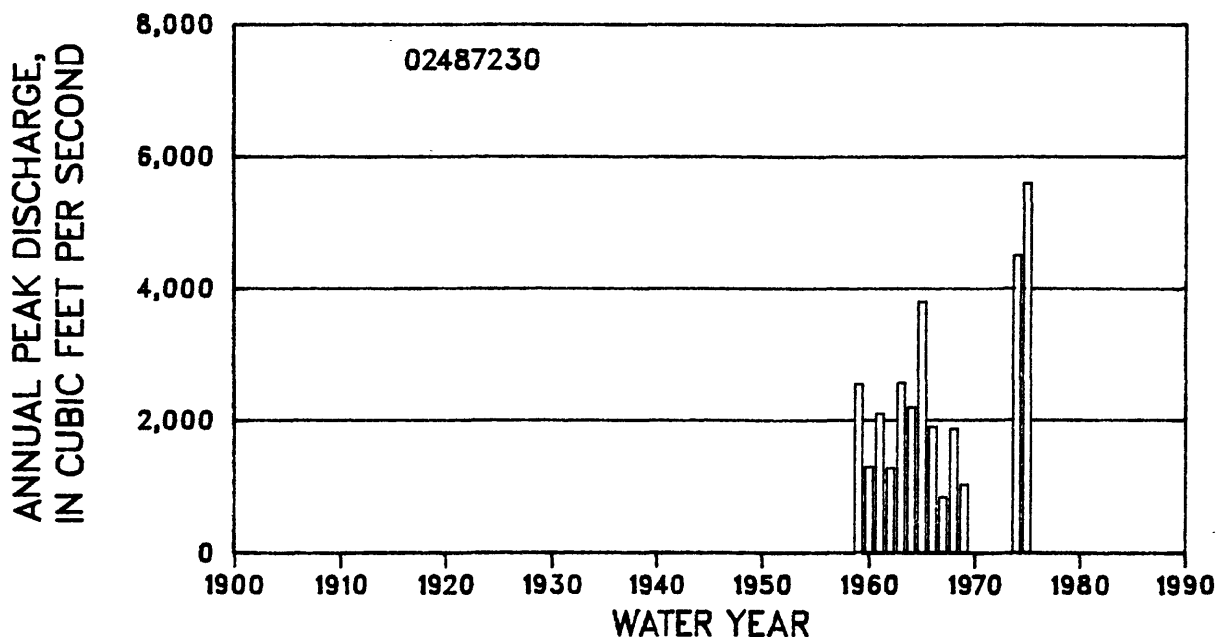
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.321  
STANDARD DEVIATION 0.245  
SKEW 0.118

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	2,070	3,350	4,340	5,750	6,910	8,170	9,530	11,500
REGIONAL	1,630	2,720	3,540	4,500	5,260	5,910	6,760	7,650
WEIGHTED	1,970	3,120	3,970	5,000	5,810	6,550	7,440	8,460

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	17	19	23	31	38	47	56	71
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	15	15	17	20	23	25	28	32

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 13

Graph of annual peak discharges is shown below.





## 02487230 Strong River near Morton, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1959	10/ 1/58	19.74	2,550	1966	2/16/66	19.19	1,900
1960	3/ 3/60	18.80	1,300	1967	5/ 1/67	18.16	840
1961	3/31/61	19.35	2,100	1968	3/21/68	19.17	1,870
1962	12/18/61	18.70	1,280	1969	4/18/69	18.36	1,030
1963	3/13/63	19.80	2,570	1974	4/12/74	21.20	4,500
1964	4/ 6/64	19.55	2,200	1975	12/24/74	22.00	5,600
1965	10/ 5/64	20.43	3,800				

02487300 Strong River near Puckett, MS

LOCATION:

Lat 32°03'48", long 89°44'50", in NE 1/4 SE 1/4 SE 1/4 sec.26, T.3 N., R.5 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, and at State Highway 18, and 2.0 mi southeast of Puckett.

GAGE:

Crest-stage gage. Datum of gage is 295.53 ft above sea level.

DRAINAGE AREA: 248 mi<sup>2</sup> SLOPE: 2.6 ft/mi LENGTH: 44.1 mi

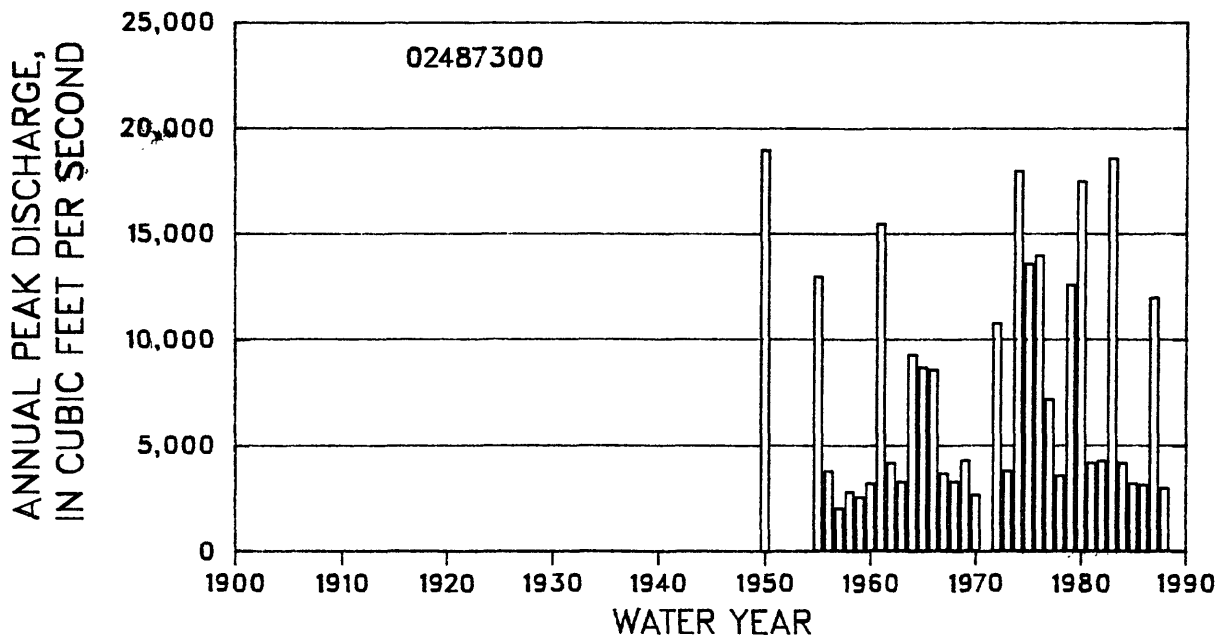
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.780  
STANDARD DEVIATION 0.307  
SKEW 0.232

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	5,870	10,800	15,200	22,000	28,100	35,200	43,500	56,400
REGIONAL	6,780	11,800	15,700	20,500	24,100	27,700	31,900	36,800
WEIGHTED	5,990	11,000	15,400	21,300	25,900	30,400	35,600	42,100

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	13	15	19	25	32	39	47	58
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	12	13	15	18	21	24	27	31

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 34

Graph of annual peak discharges is shown below.



## 02487300 Strong River near Puckett, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1950	1/ /50	27.06	19,000 f	1972	12/ 6/71	25.04	10,800
1955	4/13/55	26.18	13,000	1973	3/25/73	22.15	3,820
1956	3/ /56	22.13	3,800	1974	4/13/74	26.78	18,000
1957	4/ 4/57	14.47	2,040	1975	12/24/74	25.94	13,600
1958	6/16/58	19.35	2,820	1976	10/18/75	26.00	14,000
1959	11/29/58	18.10	2,580	1977	3/ 5/77	24.23	7,200
1960	5/ 9/60	20.80	3,220	1978	1/26/78	21.62	3,600
1961	2/21/61	26.35	15,500	1979	1/20/79	25.22	12,600
1962	12/18/61	22.41	4,200	1980	4/12/80	26.23	17,500
1963	3/13/63	21.04	3,300	1981	4/ 2/81	22.80	4,200
1964	4/ 6/64	25.53	9,300	1982	2/16/82	22.84	4,300
1965	10/ 4/64	24.93	8,700	1983	4/ 7/83	26.47	18,600
1966	2/13/66	24.71	8,600	1984	3/ 5/84	21.34	4,200
1967	5/ 4/67	21.91	3,700	1985	2/ 5/85	20.03	3,230
1968	3/23/68	21.12	3,300	1986	10/30/85	19.91	3,170
1969	4/14/69	22.60	4,300	1987	3/ 1/87	25.02	12,000
1970	3/ 4/70	17.84	2,680	1988	4/ 2/88	19.56	3,000

HISTORICAL DATA: The 1983 peak is the highest known since 1950.

f Discharge is an historical peak.

# 02487500 Strong River at D'Lo, MS

## LOCATION:

Lat 31°58'40", long 89°53'53", in SW 1/4 sec.28, T.2 N., R.4 E., Choctaw Meridian, Simpson County, Hydrologic Unit 03180002, on left bank at downstream side of old U.S. Highway 49, and 0.2 mi south of D'Lo.

## GAGE:

Crest-stage gage. Datum of gage is 257.99 ft above sea level. From Oct. 19, 1938, to Sept. 30, 1970, water-stage recorder. Prior to Oct. 19, 1938, nonrecording gage at site 700 ft upstream at datum 5.00 ft higher.

DRAINAGE AREA: 425 mi<sup>2</sup> SLOPE: 2.4 ft/mi LENGTH: 61.7 mi

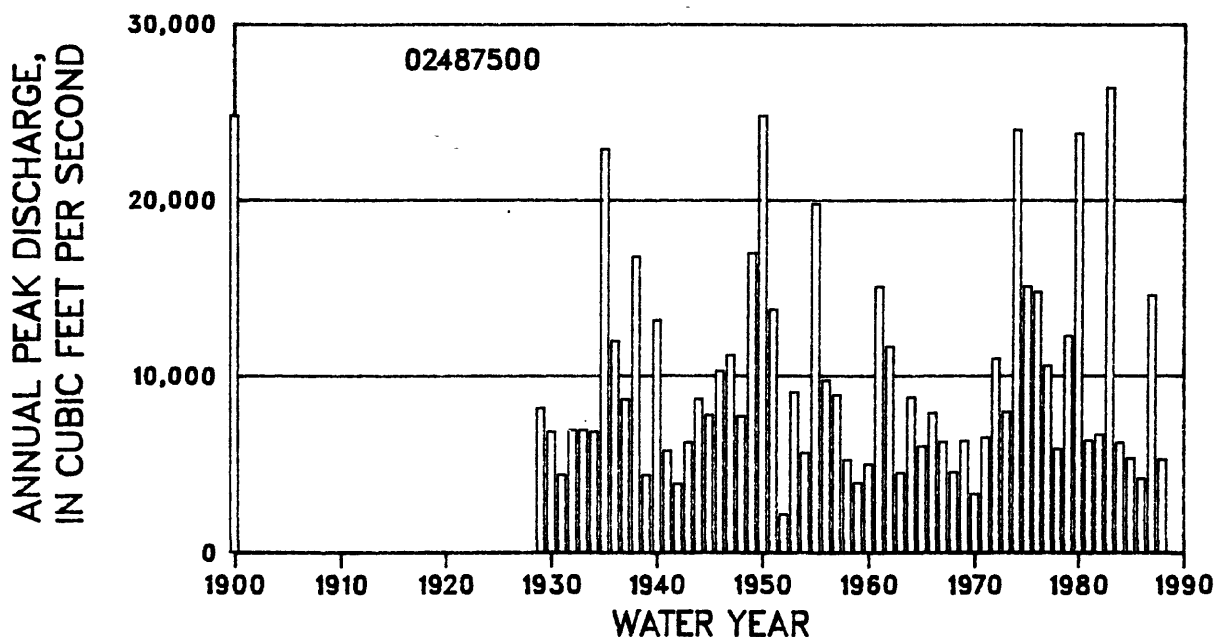
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.923  
STANDARD DEVIATION 0.239  
SKEW 0.200

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	8,230	13,200	17,200	22,800	27,500	32,700	38,400	46,800
REGIONAL	9,270	16,500	22,000	28,900	34,100	39,200	45,300	52,500
WEIGHTED	8,280	13,500	17,800	24,000	29,200	34,700	40,800	49,100

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	8	9	11	14	18	22	26	31
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	7	8	10	13	15	18	20	24

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 61

Graph of annual peak discharges is shown below.



## 02487500 Strong River at D'Lo, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1900	unknown	33.00 c	24,800 cf	1959	4/21/59	16.01	3,950
1929	3/15/29	21.20 a	8,180	1960	3/ 4/60	18.46	5,000
1930	11/15/29	18.50 a	6,830	1961	3/31/61	29.52	15,100
1931	7/30/31	12.90 a	4,390	1962	12/18/61	27.97	11,700
1932	1/25/32	18.72 a	6,930	1963	1/19/63	17.33	4,510
1933	12/17/32	18.72 a	6,930	1964	4/ 7/64	25.55	8,800
1934	3/ 4/34	18.50 a	6,830	1965	2/12/65	20.92	6,020
1935	3/ 7/35	28.00 a	22,900	1966	2/14/66	24.45	7,920
1936	2/ 5/36	23.90 a	12,000	1967	5/ 5/67	21.49	6,270
1937	1/20/37	21.12 a	8,670	1968	3/23/68	17.43	4,550
1938	4/ 8/38	25.80 a	16,800	1969	4/19/69	21.60	6,320
1939	3/ 2/39	17.17 b	4,390	1970	3/ 4/70	14.45	3,320
1940	5/ 1/40	29.07	13,200	1971	5/13/71	22.02	6,510
1941	12/17/40	20.48	5,760	1972	12/ 7/71	27.52	11,000
1942	3/22/42	16.48	3,900	1973	4/19/73	24.50	7,960
1943	3/22/43	21.32	6,230	1974	4/14/74	32.75	24,000
1944	3/30/44	25.16	8,690	1975	12/26/74	29.60	15,100
1945	2/23/45	23.87	7,780	1976	4/ 1/76	29.46	14,800
1946	2/11/46	27.03	10,300	1977	3/ 6/77	27.25	10,600
1947	1/20/47	27.78	11,200	1978	1/26/78	20.59	5,870
1948	3/ 7/48	23.85	7,720	1979	3/ 5/79	28.37	12,300
1949	11/29/48	30.02	17,000	1980	4/13/80	32.65	23,800
1950	1/ 7/50	33.00	24,800	1981	4/ 2/81	21.67	6,350
1951	3/29/51	28.71	13,800	1982	2/17/82	22.36	6,680
1952	4/13/52	11.29	2,190	1983	4/ 7/83	33.48	26,400
1953	5/19/53	25.12	9,090	1984	3/ 6/84	21.38	6,220
1954	3/29/54	19.64	5,650	1985	2/ 6/85	19.41	5,330
1955	4/13/55	31.07	19,800	1986	10/30/85	16.73	4,200
1956	3/17/56	26.11	9,750	1987	3/ 1/87	29.38	14,600
1957	4/ 5/57	25.48	8,940	1988	4/ 3/88	19.28	5,270
1958	11/20/57	19.08	5,250				

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

c Estimated.

f Discharge is an historical peak.

# 02487600 Dabbs Creek near D'Lo, MS

## LOCATION:

Lat 32°00'18", long 89°55'54", in SW 1/4 sec.18, T.2 N., R.4 E., Choctaw Meridian, Simpson County, Hydrologic Unit 03180002, at bridge on U.S. Highway 49, and 2.5 mi north-west of D'Lo.

## GAGE:

Crest-stage gage. Datum of gage is assumed.

DRAINAGE AREA: 57.2 mi<sup>2</sup> SLOPE: 4.5 ft/mi LENGTH: 29.3 mi

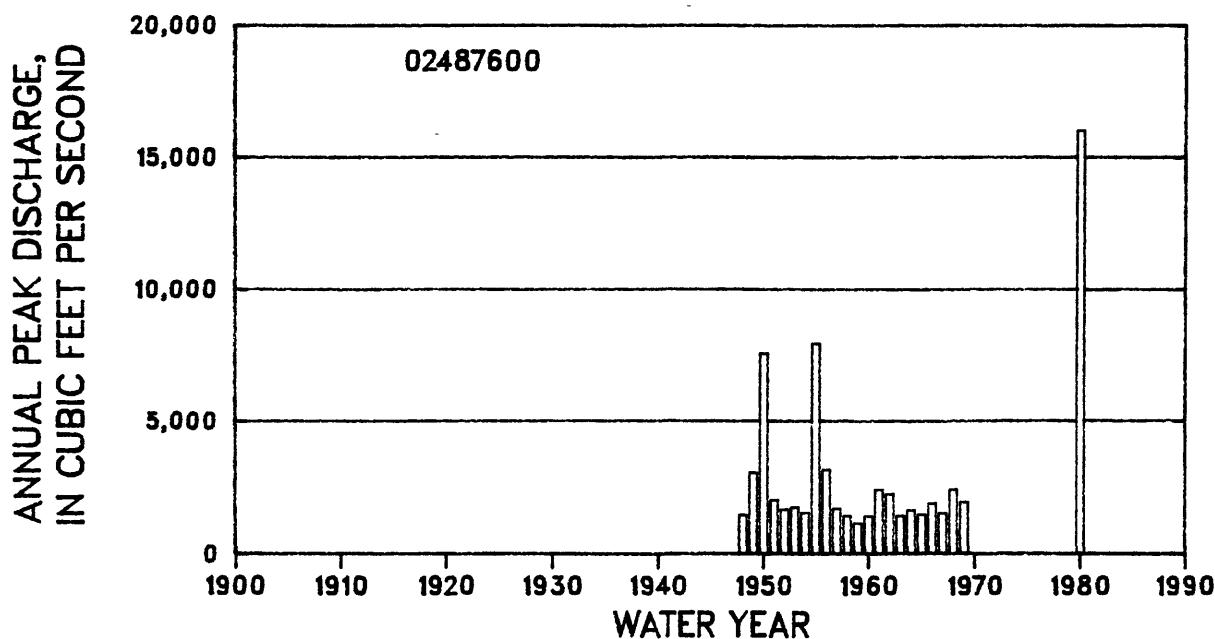
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.326  
STANDARD DEVIATION 0.245  
SKEW 0.551

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	2,010	3,330	4,470	6,270	7,910	9,830	12,100	15,700
REGIONAL	2,430	4,140	5,460	7,090	8,370	9,560	11,000	12,700
WEIGHTED	2,060	3,520	4,830	6,710	8,190	9,640	11,300	13,300

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	13	16	20	29	38	48	59	76
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	12	14	16	20	23	26	29	33

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 23

Graph of annual peak discharges is shown below.



## 02487600 Dabbs Creek near D'Lo, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1948	3/ 9/48	20.53	1,480	1960	2/ 3/60	20.37	1,430
1949	3/25/49	23.20	3,070	1961	2/22/61	22.71	2,430
1950	1/ 7/50	24.57	7,560	1962	12/18/61	22.48	2,260
1951	3/ /51	22.08	2,040	1963	3/13/63	20.42	1,440
1952	12/ /51	21.22	1,690	1964	3/ 3/64	21.09	1,650
1953	4/29/53	21.42	1,770	1965	3/30/65	20.56	1,490
1954	3/27/54	20.79	1,560	1966	4/26/66	21.77	1,900
1955	4/12/55	24.65	7,950	1967	5/ 2/67	20.74	1,540
1956	2/ 4/56	23.26	3,180	1968	4/28/68	22.71	2,430
1957	4/ 4/57	21.30	1,720	1969	4/13/69	21.87	1,950
1958	11/14/57	20.39	1,440	1980	4/12/80	25.94	16,000 cf
1959	4/ 9/59	19.34	1,160				

HISTORICAL DATA: The 1980 peak is the highest known since 1948.

c Estimated.

f Discharge is an historical peak.

# 02487620 Riles Creek near Mendenhall, MS

## LOCATION:

Lat 31°55'37", long 89°54'35", in NE 1/4 sec.17, T.1 N., R.4 E., Choctaw Meridian, Simpson County, Hydrologic Unit 03180002, at bridge on State Highway 43 at Merit, and 3.0 mi southwest of Mendenhall.

## GAGE:

Crest-stage gage. Datum of gage is assumed.

DRAINAGE AREA: 25.5 mi<sup>2</sup> SLOPE: 13.9 ft/mi LENGTH: 12.0 mi

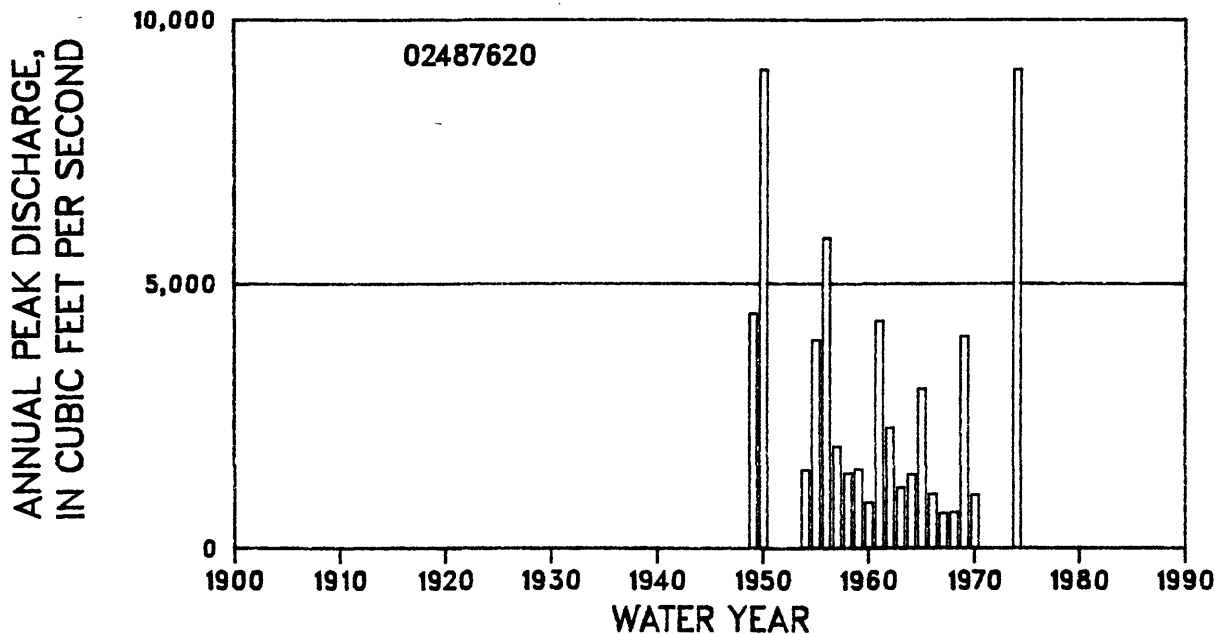
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.310  
STANDARD DEVIATION 0.341  
SKEW 0.222

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	1,980	3,910	5,680	8,560	11,200	14,400	18,200	24,200
REGIONAL	1,800	3,110	4,120	5,320	6,290	7,120	8,230	9,380
WEIGHTED	1,930	3,560	4,810	6,290	7,410	8,430	9,710	11,100

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	19	22	27	37	47	58	71	90
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	17	17	19	22	24	27	30	34

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 20

Graph of annual peak discharges is shown below.





## 02487620 Riles Creek near Mendenhall, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1949	12/ /48	22.06	4,430	1962	12/18/61	19.33	2,260
1950	1/ 7/50	26.29	9,050	1963	3/13/63	17.38	1,140
1954	2/20/54	18.00	1,470	1964	4/26/64	17.87	1,390
1955	4/12/55	21.50 d	3,930	1965	10/ 4/64	20.35	3,000
1956	3/23/56	23.53	5,870	1966	4/26/66	17.14	1,020
1957	4/ 4/57	18.73	1,910	1967	5/ 2/67	16.30	660
1958	6/17/58	17.90	1,410	1968	4/28/68	16.35	680
1959	4/ 9/59	18.04	1,490	1969	4/13/69	21.43	4,000
1960	2/ 3/60	16.80	860	1970	5/ 2/70	17.02	1,000
1961	3/28/61	21.90	4,290	1974	4/ 0/74	26.31	9,050 f

HISTORICAL DATA: The 1974 peak is the highest known since 1948.

d Gage height not the maximum for the water year.

f Discharge is an historical peak.

# 02487670 Boggans Ditch near Mendenhall, MS

## LOCATION:

Lat 31°53'16", long 89°53'12", in NE 1/4 NE 1/4 NE 1/4 sec.33, T.1 N., R.4 E., Choctaw Meridian, Simpson County, Hydrologic Unit 03180002, at culvert on State Highway 13, and 5.5 mi south of Mendenhall.

## GAGE:

Crest-stage gage. Elevation of gage is about 400 ft above sea level (from topographic map). From April 23, 1965, to Sept. 15, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.91 mi<sup>2</sup> SLOPE: 71.1 ft/mi LENGTH: 1.3 mi

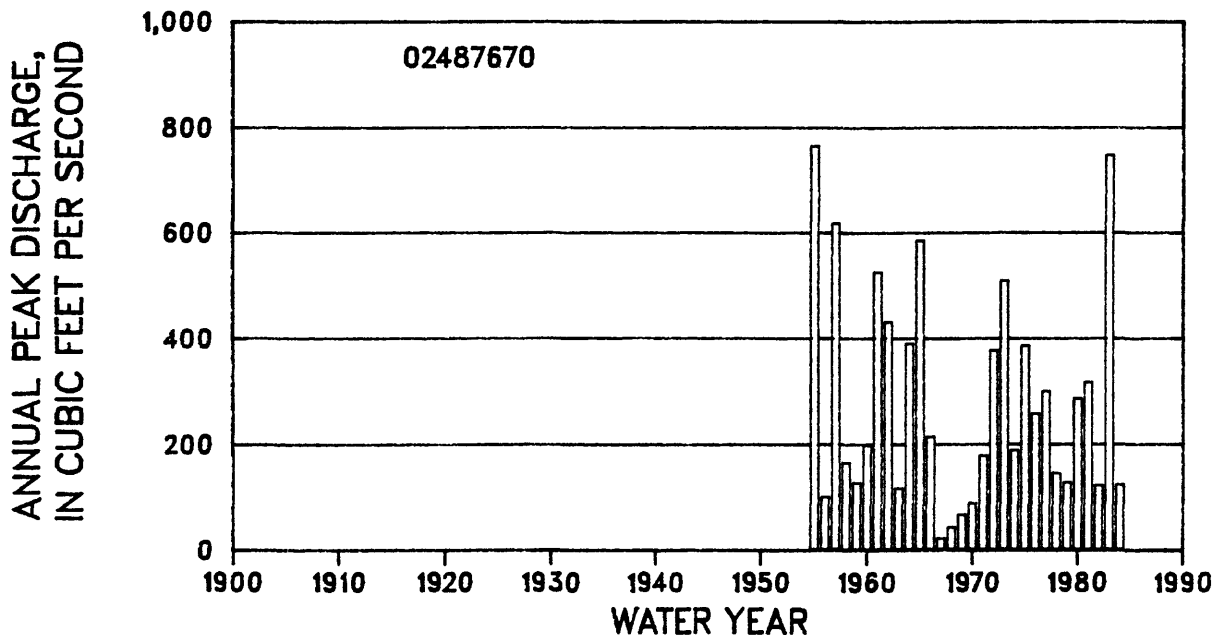
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.340  
STANDARD DEVIATION 0.337  
SKEW -0.072

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	221	421	588	835	1,040	1,280	1,530	1,910
REGIONAL	284	461	597	750	881	976	1,120	1,250
WEIGHTED	231	432	591	795	953	1,090	1,260	1,440

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	15	16	19	25	30	37	44	54
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	14	14	15	18	21	23	26	30

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 30

Graph of annual peak discharges is shown below.



## 02487670 Boggans Ditch near Mendenhall, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	4/12/55	8.16	764	1970	5/ 2/70	3.41	88
1956	6/14/56	3.52	100	1971	2/21/71	4.30	178
1957	4/ 3/57	7.32	617	1972	12/ 6/71	5.86	377
1958	8/17/58	4.16	165	1973	4/16/73	6.72	509
1959	5/23/59	3.81	127	1974	2/15/74	4.39	188
1960	3/15/60	4.45	198	1975	12/24/74	5.92	386
1961	3/28/61	6.78	525	1976	3/31/76	4.98	258
1962	4/28/62	6.17	431	1977	3/ 3/77	5.30	300
1963	1/20/63	3.71	116	1978	8/13/78	4.00	145
1964	4/26/64	5.89	390	1979	2/24/79	3.82	127
1965	2/12/65	7.13	585	1980	4/12/80	5.19	286
1966	5/19/66	4.62	214	1981	7/ 1/81	5.43	317
1967	5/ 4/67	2.51	21	1982	8/ 1/82	3.77	122
1968	12/14/67	2.85	42	1983	4/ 6/83	8.09	747
1969	4/13/69	3.16	66	1984	12/28/83	3.78	123

# 02487690 Baking Powder Draw near Prentiss, MS

## LOCATION:

Lat 31°50'22", long 89°52'57", in SE 1/4 NE 1/4 NW 1/4 sec.14, T.10 N., R.19 W., St. Stephens Meridian, Simpson County, Hydrologic Unit 03180003, at culvert on State Highway 13, 4.9 mi north from Jefferson Davis-Simpson County line, and 16.0 mi north of Prentiss.

## GAGE:

Crest-stage gage. Datum of gage is assumed. From May 18, 1965, to Sept. 20, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.82 mi<sup>2</sup> SLOPE: 63.9 ft/mi LENGTH: 1.3 mi

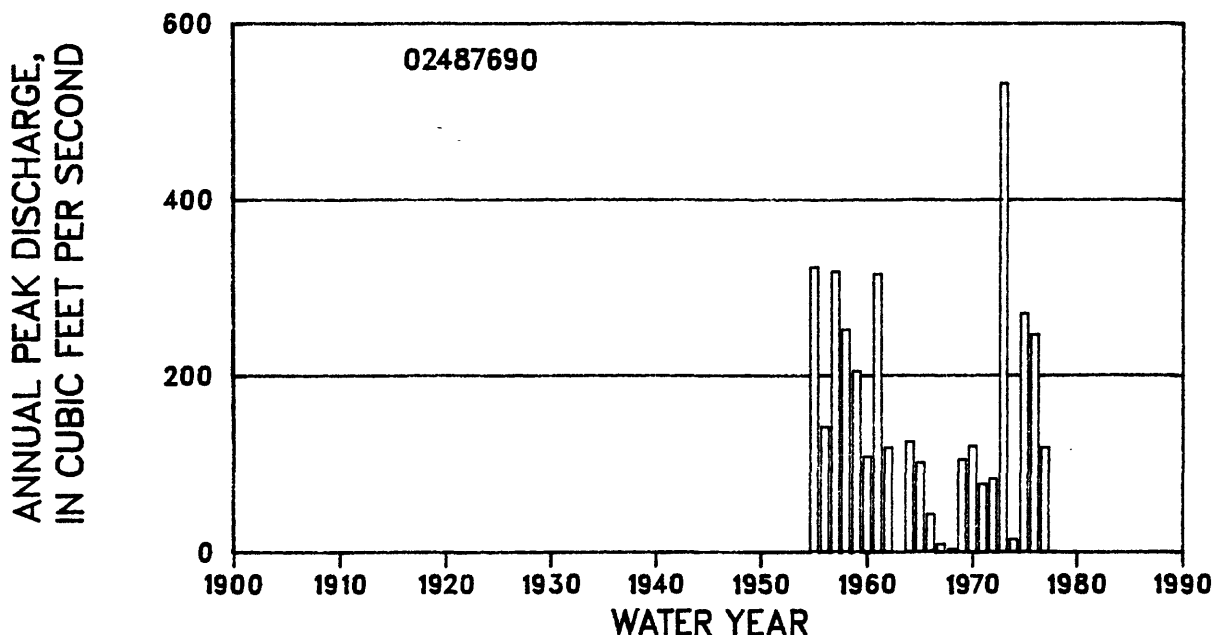
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.053  
STANDARD DEVIATION 0.467  
SKEW -0.316

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	120	283	430	657	854	1,070	1,310	1,660
REGIONAL	260	419	541	679	797	883	1,010	1,130
WEIGHTED	159	339	486	671	814	928	1,070	1,220

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	25	25	28	36	44	55	66	84
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	20	18	19	21	24	26	29	33

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 22

Graph of annual peak discharges is shown below.



## 02487690 Baking Powder Draw near Prentiss, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	4/12/55	5.55	323	1967	6/10/67	3.18	9
1956	6/14/56	4.07	142	1968	12/14/67	3.01	3
1957	4/ 4/57	5.53	318	1969	11/30/68	3.94	105
1958	3/23/58	5.02	252	1970	6/ 1/70	4.05	120
1959	5/23/59	4.65	205	1971	3/18/71	3.72	77
1960	1/30/60	3.71	108	1972	12/ 6/71	3.77	83
1961	2/20/61	5.50	315	1973	3/24/73	6.97	532
1962	3/31/62	3.82	118	1974	4/12/74	3.23	14
1963	3/13/63	2.22	--	1975	5/ 7/75	5.19	270
1964	4/26/64	3.93	125	1976	3/31/76	5.02	246
1965	10/ 5/64	3.91	101	1977	3/ 3/77	4.04	118
1966	2/10/66	3.46	43				

02487710 Barrets Branch near Pinola, MS

LOCATION:

Lat 31°52'54", long 90°02'25", in NE 1/4 NE 1/4 SE 1/4 sec.36, T.1 N., R.2 E., Choctaw Meridian, Simpson County, Hydrologic Unit 03180002, at culvert on State Highway 28, and 5.0 mi west of Pinola.

GAGE:

Crest-stage gage. Elevation of gage is about 270 ft above sea level (from topographic map). From May 18, 1965, to Oct. 1, 1973, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.88 mi<sup>2</sup> SLOPE: 47.1 ft/mi LENGTH: 2.1 mi

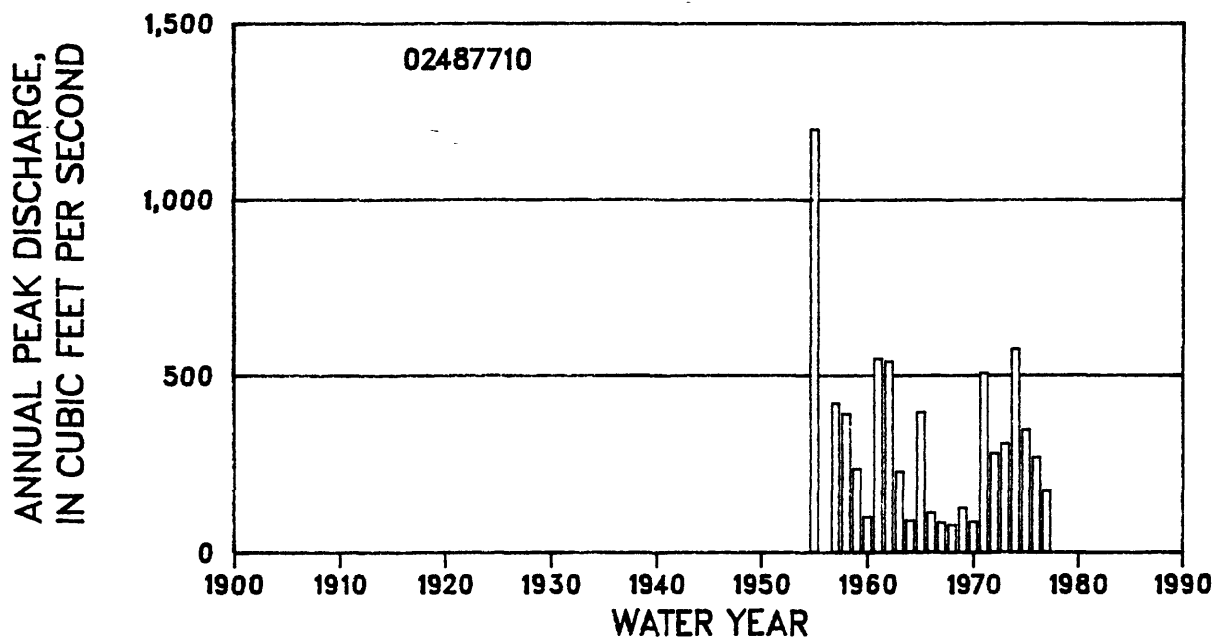
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.388  
STANDARD DEVIATION 0.334  
SKEW 0.039

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	243	466	657	950	1,210	1,500	1,830	2,320
REGIONAL	229	368	475	600	706	785	903	1,010
WEIGHTED	240	429	569	732	860	964	1,100	1,240

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	18	20	23	31	38	47	56	70
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	16	16	17	20	23	25	28	32

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 22

Graph of annual peak discharges is shown below.



## 02487710 Barrets Branch near Pinola, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	4/12/55	12.85	1,200 f	1967	12/ 9/66	3.52	84
1957	6/27/57	7.18	422	1968	12/14/67	3.41	77
1958	6/16/58	6.92	393	1969	3/23/69	4.08	126
1959	10/ 1/58	5.34	236	1970	3/ 3/70	3.54	86
1960	2/ 4/60	2.72	100	1971	9/16/71	7.93	507
1961	3/28/61	8.27	548	1972	12/ 6/71	5.75	280
1962	4/ 1/62	8.19	540	1973	3/24/73	6.03	308
1963	1/20/63	5.28	228	1974	4/12/74	8.50	575
1964	4/ 6/64	3.40	90 c	1975	12/23/74	6.42	347
1965	11/26/64	6.92	397	1976	6/18/76	5.64	269
1966	7/ 2/66	3.90	112	1977	8/18/77	4.65	174

HISTORICAL DATA: The 1955 peak is the highest known between 1955 and 1977.

c Estimated.

f Discharge is an historical peak.

# 02487750 Big Creek near Pinola, MS

## LOCATION:

Lat 31°52'42", long 90°03'12", in SW 1/4 sec.36, T.1 N., R.2 E., Choctaw Meridian, Simpson County, Hydrologic Unit 03180002, 100 ft downstream from bridge on State Highway 28, 2.0 mi upstream from mouth, and 5.5 mi west of Pinola.

## GAGE:

Crest-stage gage. Datum of gage is assumed.

DRAINAGE AREA: 45.9 mi<sup>2</sup> SLOPE: 6.2 ft/mi LENGTH: 22.0 mi

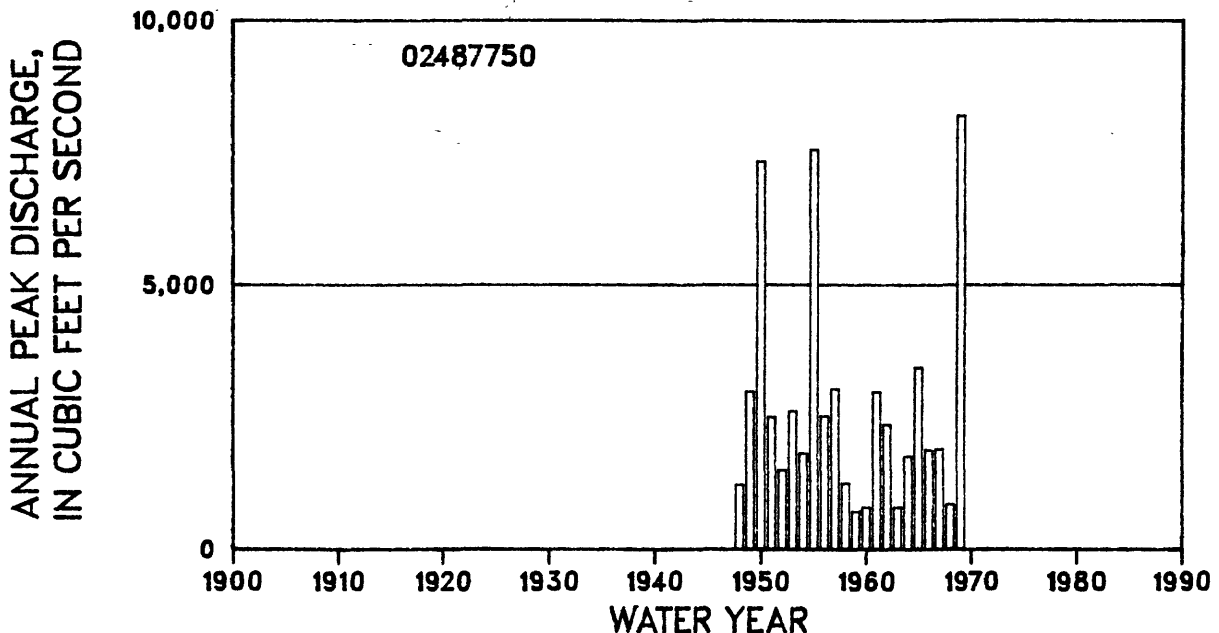
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.356  
STANDARD DEVIATION 0.278  
SKEW 0.300

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	2,200	3,840	5,240	7,410	9,340	11,600	14,100	18,100
REGIONAL	2,280	3,890	5,130	6,660	7,850	8,950	10,300	11,800
WEIGHTED	2,210	3,860	5,200	6,990	8,380	9,720	11,300	13,100

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	15	17	22	30	38	46	56	71
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	14	15	16	20	23	25	28	32

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 22

Graph of annual peak discharges is shown below.





## 02487750 Big Creek near Pinola, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1948	3/ 9/48	22.27	1,220	1959	4/21/59	19.53	720
1949	12/ /48	24.65	2,980	1960	2/ 4/60	20.06	800
1950	1/ 7/50	27.29	7,340	1961	3/28/61	24.79	2,980
1951	3/29/51	24.25	2,500	1962	12/12/61	24.10	2,360
1952	unknown	--	1,500 h	1963	1/20/63	20.13	799
1953	4/29/53	24.34	2,610	1964	4/26/64	23.24	1,760
1954	3/27/54	23.54	1,820	1965	10/ 4/64	25.20	3,430
1955	4/12/55	27.39	7,560	1966	4/26/66	23.43	1,880
1956	2/ 4/56	24.26	2,520	1967	5/ 2/67	23.61	1,900
1957	4/ 4/57	24.69	3,030	1968	4/28/68	20.41	856
1958	6/17/58	22.36	1,250	1969	4/13/69	27.61	8,200

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

# 02487770 Bradleys Ditch near Pinola, MS

## LOCATION:

Lat 31°52'51", long 90°05'20", in NW 1/4 NW 1/4 SW 1/4 sec.34, T.1 N., R.2 E., Choctaw Meridian, Simpson County, Hydrologic Unit 03180002, at culvert on State Highway 28, and 8.5 mi west of Pinola.

## GAGE:

Crest-stage gage. Elevation of gage is about 290 ft above sea level (from topographic map). From May 18, 1965, to Sept. 20, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.54 mi<sup>2</sup> SLOPE: 27.5 ft/mi LENGTH: 2.7 mi

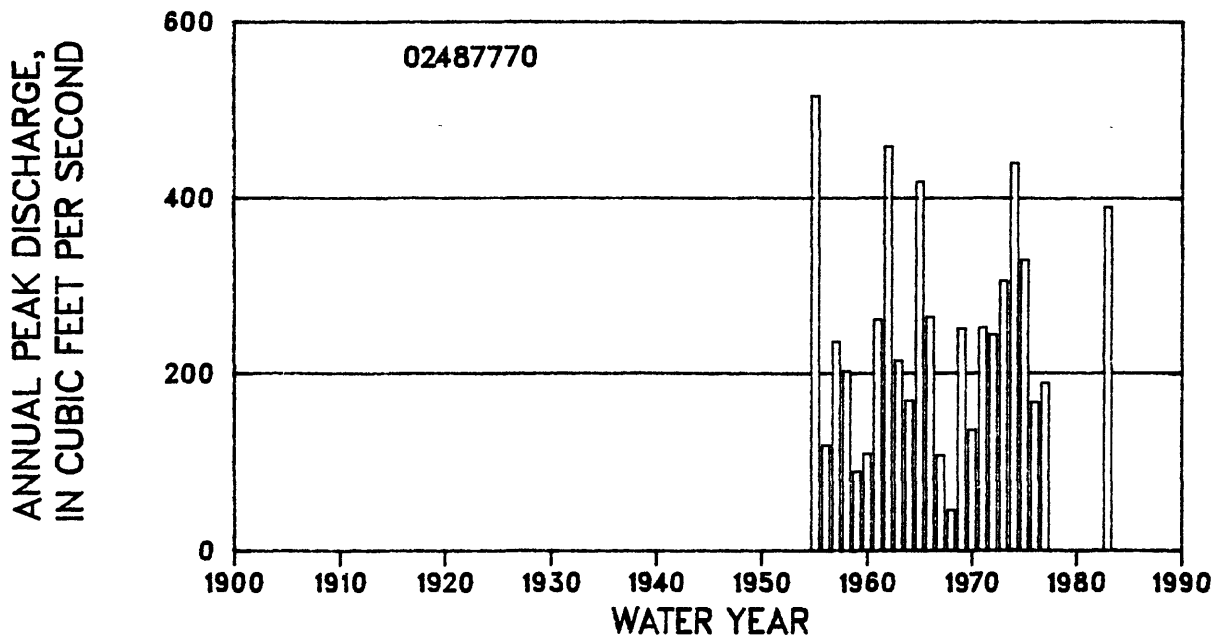
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.335  
STANDARD DEVIATION 0.222  
SKEW -0.037

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	217	333	416	526	612	701	794	922
REGIONAL	139	216	274	346	406	453	520	583
WEIGHTED	207	309	377	459	522	578	647	726

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	11	12	14	19	23	27	32	40
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	11	11	12	15	18	20	23	27

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 24

Graph of annual peak discharges is shown below.



## 02487770 Bradleys Ditch near Pinola, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	4/12/55	8.15	516	1967	5/ 4/67	4.46	108
1956	7/ /56	4.51	120 c	1968	1/ 9/68	3.09	46
1957	4/ 3/57	5.53	237	1969	4/13/69	5.90	252
1958	6/15/58	5.43	203	1970	3/ 3/70	4.25	137
1959	10/ 1/58	3.39	90 c	1971	9/16/71	5.91	253
1960	2/ 4/60	3.86	110 c	1972	12/ 6/71	5.84	245
1961	3/28/61	5.94	262	1973	3/24/73	6.35	306
1962	3/31/62	7.63	459	1974	4/12/74	7.47	440
1963	1/20/63	5.49	215	1975	4/30/75	6.98	330
1964	3/15/64	5.00	170	1976	3/31/76	5.20	168
1965	11/26/64	7.29	419	1977	3/ 3/77	5.38	190
1966	4/26/66	6.01	265	1983	4/ 6/83	7.29	390 f

c Estimated.

f Discharge is an historical peak.

# 02487900 Copiah Creek near Hazlehurst, MS

## LOCATION:

Lat 31°53'23", long 90°17'10", in SW 1/4 SE 1/4 sec.27, T.1 N., R.1 W., Choctaw Meridian, Copiah County, Hydrologic Unit 03180003, at bridge on State Highway 28, and 6.2 mi east of Hazlehurst.

## GAGE:

Crest-stage gage. Datum of gage is 283.42 ft above sea level. Prior to Aug. 6, 1965, crest-stage gage. From Aug. 6, 1965, to March 9, 1971, water-stage recorder.

DRAINAGE AREA: 47.4 mi<sup>2</sup> SLOPE: 10.7 ft/mi LENGTH: 12.1 mi

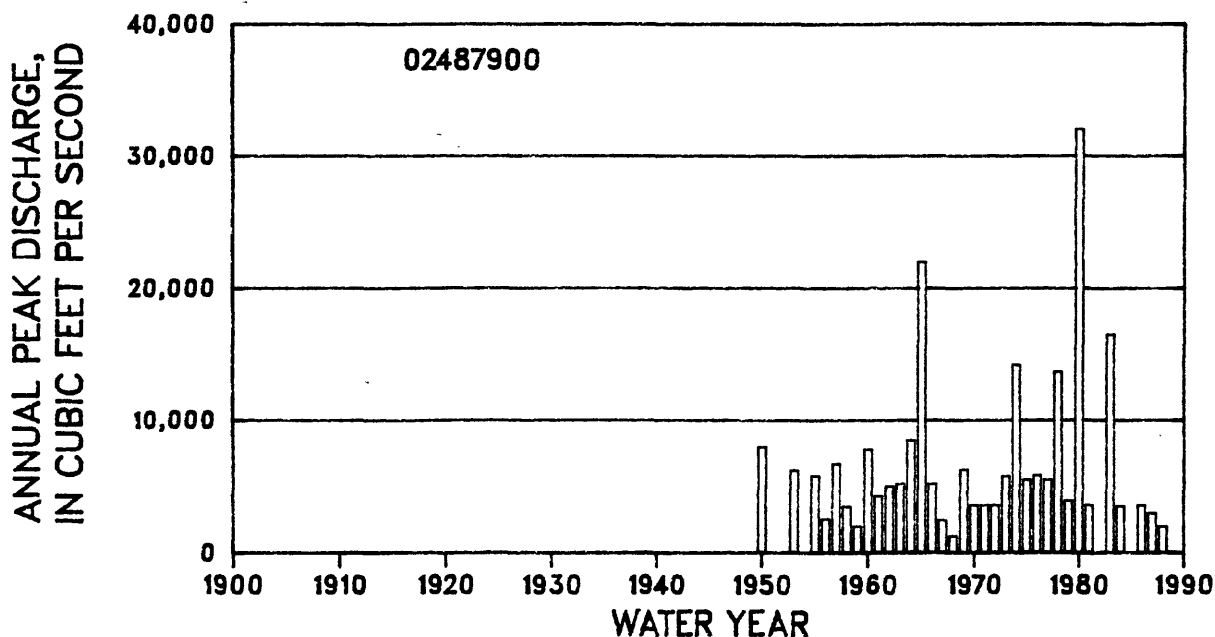
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.680  
STANDARD DEVIATION 0.338  
SKEW 0.284

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	4,610	9,090	13,200	20,100	26,600	34,300	43,700	58,800
REGIONAL	2,950	5,120	6,790	8,750	10,300	11,700	13,500	15,400
WEIGHTED	4,290	7,710	10,100	12,900	14,900	16,700	19,100	21,700

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	15	17	21	29	36	45	54	68
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	13	14	16	20	22	25	28	32

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 34

Graph of annual peak discharges is shown below.



## 02487900 Copiah Creek near Hazlehurst, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1950	1/ 7/50	20.14	8,000 f	1970	unknown	--	3,600 h
1953	4/29/53	17.80	6,200 f	1971	unknown	--	3,600 h
1955	4/13/55	17.03	5,800	1972	unknown	--	3,600 h
1956	2/ 4/56	11.50	2,550	1973	3/25/73	17.61	5,750
1957	4/ 4/57	18.44	6,700	1974	4/13/74	22.24	14,200
1958	11/14/57	13.28	3,500	1975	12/23/74	17.28	5,500
1959	4/21/59	10.28	2,000	1976	4/ 1/76	17.70	5,840
1960	12/17/59	19.85	7,800	1977	3/ 4/77	17.38	5,520
1961	3/29/61	14.80	4,300	1978	5/ 8/78	19.68	13,700
1962	12/18/61	15.78	5,000	1979	1/20/79	16.15	3,950
1963	3/13/63	16.13	5,200	1980	4/12/80	25.11	32,000
1964	4/ 6/64	19.52	8,500	1981	unknown	--	3,600 h
1965	10/ 4/64	24.49	22,000	1983	4/ 6/83	22.87	16,500
1966	4/26/66	16.98	5,190	1984	3/ 5/84	14.29	3,540
1967	5/ 4/67	11.72	2,450	1986	3/19/86	--	3,600 h
1968	1/ 9/68	8.26	1,240	1987	3/ 2/87	--	3,000 h
1969	4/13/69	18.04	6,250	1988	9/15/88	12.59	2,000

f Discharge is an historical peak.

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

# 02488000 Pearl River at Rockport, MS

## LOCATION:

Lat 31°47'25", long 90°08'35", in SW 1/4 sec.31, T.10 N., R.11 E., Washington Meridian, Copiah County, Hydrologic Unit 03180003, on downstream side of county road bridge, approximately 1.0 mi upstream from Sinkler Creek, 2.0 mi south of Rockport, 7.5 mi downstream from Strong River, and 221.7 mi upstream from mouth.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 180.19 ft above sea level.

DRAINAGE AREA: 4,560 mi<sup>2</sup> SLOPE: 1.0 ft/mi LENGTH: 242.0 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.506  
STANDARD DEVIATION 0.203  
SKEW 0.100

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	31,800	47,400	58,700	73,900	85,900	98,600	112,000	131,000

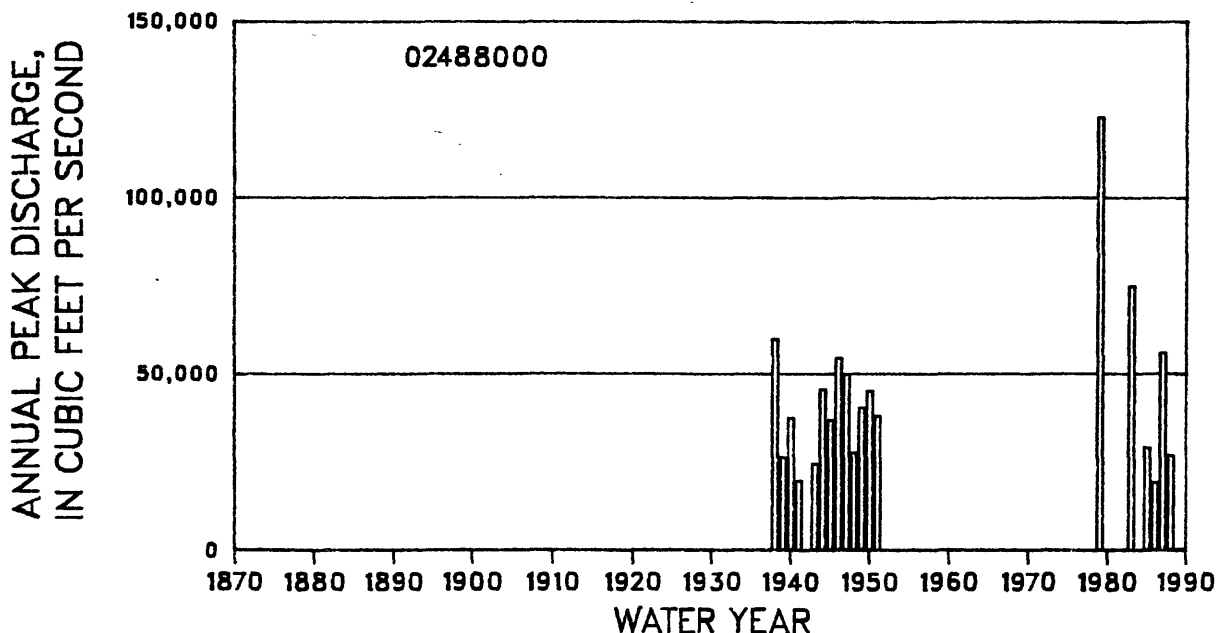
  

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	11	13	15	20	25	30	36	44

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 20

NOTE: The logarithmic mean and standard deviation of the station record were computed after adjusting the record based on a correlation with long-term records at Station 02488500 using procedures described in Bulletin 17B (Interagency Advisory Committee on Water Data, 1982). The flood-frequency discharges are unweighted station estimates.

Graph of annual peak discharges is shown below.



## 02488000 Pearl River at Rockport, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1874	unknown	41.00	--	1947	1/21/47	33.48	50,000
1900	unknown	40.00	--	1948	3/ 6/48	27.87	27,700
1938	4/ 9/38	35.25	60,000	1949	4/ 1/49	32.56	40,600
1939	3/ 2/39	27.20	26,500	1950	1/ 8/50	33.81	45,300
1940	5/ 1/40	30.87	37,600	1951	4/ 9/51	31.88	38,200
1941	12/27/40	23.19	19,700	1979	4/ 0/79	42.83	123,000 cf
1942	5/22/42	19.77	--	1983	5/ 0/83	36.83	75,000 cf
1943	12/28/42	26.30	24,600	1985	2/12/85	26.46	29,200
1944	4/ 7/44	32.39	45,800	1986	3/20/86	21.39	19,300
1945	3/ 6/45	30.34	37,100	1987	3/ 2/87	32.86	56,100
1946	2/20/46	34.31	54,600	1988	4/ 3/88	25.53	27,000

HISTORICAL DATA: The 1979 peak is the highest known since 1874.

c Estimated.

f Discharge is an historical peak.

# 02488100 Bahala Creek near Oma, MS

## LOCATION:

Lat 31°42'02", long 90°08'35", in SE 1/4 sec.36, T.9N., R.10E., Washington Meridian, Lawrence County, Hydrologic Unit 03180003, near left bank on downstream side of bridge on State Highway 27, 1.5 mi south of Oma, and 2.1 mi upstream from mouth.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 190.24 ft above sea level.

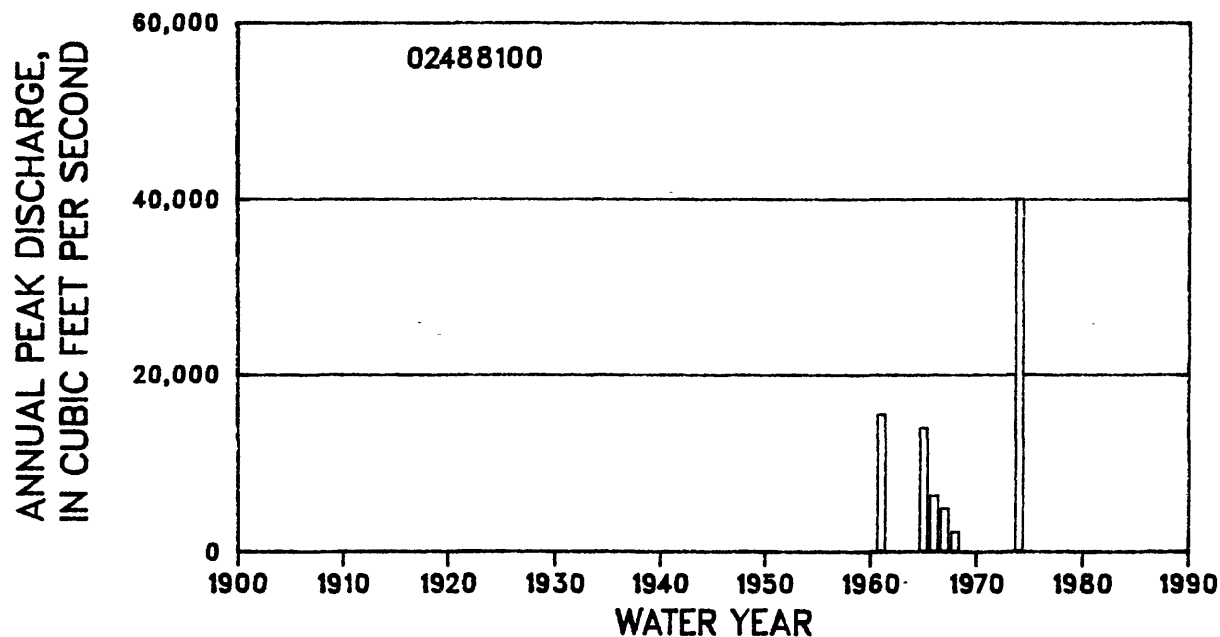
DRAINAGE AREA: 150 mi<sup>2</sup>      SLOPE: 5.0 ft/mi      LENGTH: 30.8 mi

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
REGIONAL	5,240	9,210	12,300	16,000	18,900	21,600	25,000	28,700

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
REGIONAL	34	27	26	27	29	31	34	38

NOTE: The period of record is insufficient for station flood-frequency analysis; therefore, only regional flood-frequency discharges are presented in this report.

Graph of annual peak discharges is shown below.





02488100 Bahala Creek near Oma, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1961	3/28/61	20.50	15,500 cf	1967	5/ 5/67	14.94	4,870
1965	10/ 5/64	20.21	14,000	1968	4/ 9/68	9.62	2,190
1966	4/27/66	17.63	6,380	1974	4/12/74	25.78	40,000 cf

HISTORICAL DATA: The 1974 peak is the highest known since 1961.

c Estimated.

f Discharge is an historical peak.

# 02488340 Small Pine Ditch near Monticello, MS

## LOCATION:

Lat 31°32'53", long 90°15'38", in SW 1/4 NW 1/4 sec.25, T.7 N., R.9 E., Washington Meridian, Lincoln County, Hydrologic Unit 03180003, at culvert on U.S. Highway 84, and 9.0 mi west of Monticello.

## GAGE:

Crest-stage gage. Elevation of gage is about 275 ft above sea level (from topographic map). From April 27, 1965, to Oct. 1, 1973, water-stage and rain-gage recorder also.

DRAINAGE AREA: 0.16 mi<sup>2</sup> SLOPE: 126 ft/mi LENGTH: 0.5 mi

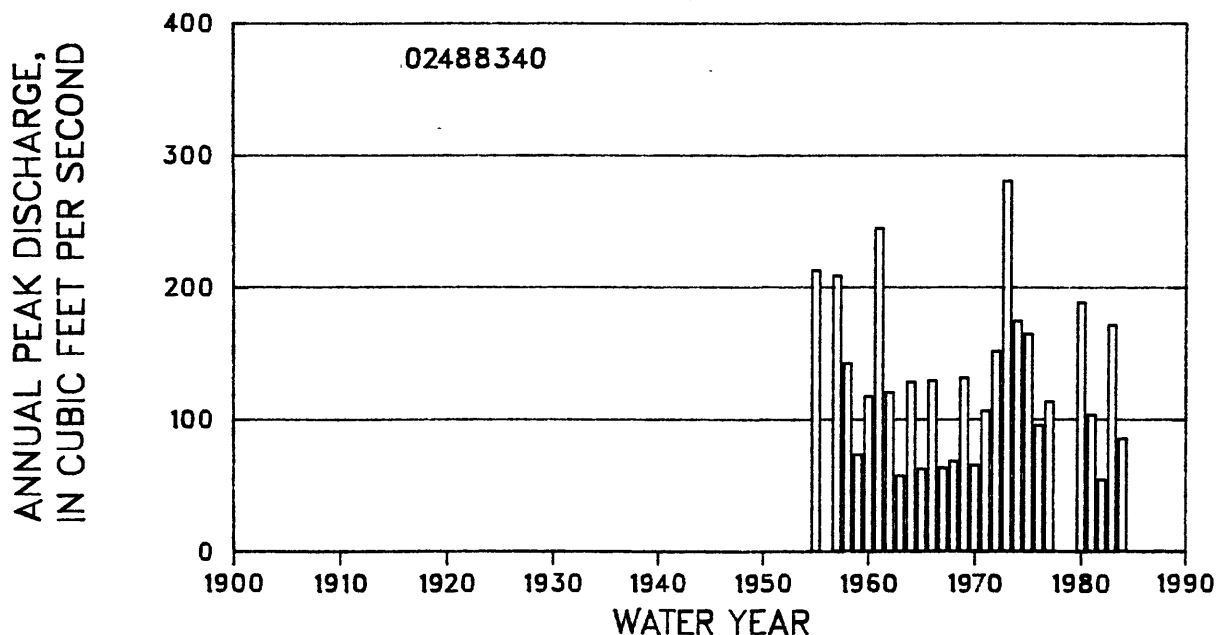
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.072  
STANDARD DEVIATION 0.201  
SKEW -0.011

	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
T	2	5	10	25	50	100	200	500
STATION	118	175	214	266	305	346	388	446
REGIONAL	100	156	199	246	288	316	362	399
WEIGHTED	116	172	211	261	299	335	377	424

	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
T	2	5	10	25	50	100	200	500
STATION	10	10	12	16	20	24	28	34
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	9	10	11	14	16	19	21	25

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 27

Graph of annual peak discharges is shown below.



## 02488340 Small Pine Ditch near Monticello, MS---Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	4/12/55	7.23	213	1970	3/19/70	4.40	66
1957	4/ 3/57	7.15	209	1971	9/16/71	5.28	107
1958	11/13/57	6.00	143	1972	1/ 9/72	6.19	152
1959	10/31/58	4.59	74	1973	3/24/73	8.24	281
1960	8/12/60	5.52	118	1974	4/13/74	6.56	175
1961	3/28/61	7.73	245	1975	5/ 7/75	6.40	165
1962	12/18/61	5.59	121	1976	3/31/76	5.05	96
1963	1/20/63	4.23	58	1977	3/ 3/77	5.42	114
1964	4/26/64	5.74	129	1980	11/14/79	6.80	189
1965	12/11/64	4.32	63	1981	2/12/81	5.23	104
1966	4/26/66	5.69	130	1982	12/31/81	4.13	55
1967	5/ 4/67	4.36	64	1983	4/ 6/83	6.52	172
1968	12/14/67	4.47	69	1984	2/12/84	4.85	86
1969	4/13/69	5.79	132				

# 02488500 Pearl River near Monticello, MS

## LOCATION:

Lat 31°33'12", long 90°05'16", in SW 1/4 sec.23, T.7 N., R.21 W., St. Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, near left bank on downstream side of bridge on U.S. Highway 84, 1.0 mi east of Monticello, 2.5 mi upstream from Halls Creek, 4.1 mi upstream from Silver Creek, and at mi 190.8.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 158.66 ft above sea level. Prior to Dec. 12, 1938, nonrecording gage. From Dec. 12, 1938, to Jan. 10, 1949, water-stage recorder. From Jan. 11, 1949, to Oct. 16, 1952, non-recording gage.

DRAINAGE AREA: 4,990 mi<sup>2</sup> SLOPE: 1.0 ft/mi LENGTH: 273.0 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.547  
STANDARD DEVIATION 0.183  
SKEW 0.100

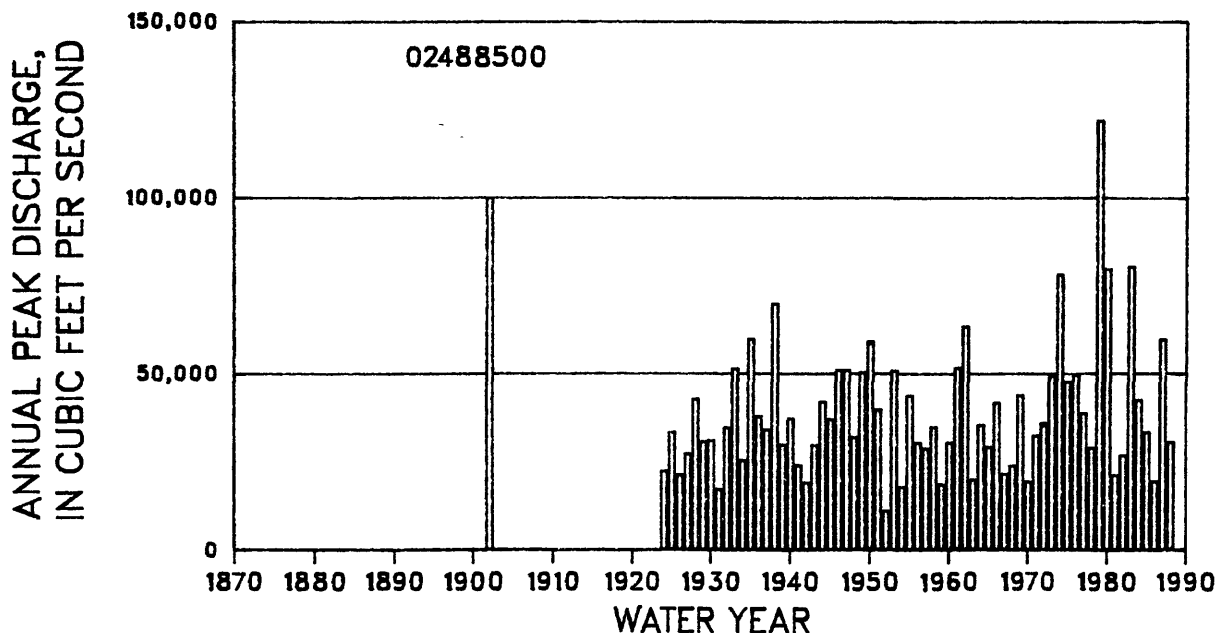
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	35,000	50,200	60,800	74,900	85,800	97,100	109,000	125,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	6	6	7	10	12	15	17	21

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 66

NOTE: The statistics of logarithms of annual peak discharge and the flood-frequency discharges were agreed upon by the U.S. Geological Survey and the U.S. Army Corps of Engineers, Mobile District, in 1980, following the April 1979 flood. The station was re-analyzed including record through the 1988 water year, and no revisions were warranted.

Graph of annual peak discharges is shown below.



## 02488500 Pearl River near Monticello, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1874	4/ /74	34.50	--	1955	4/14/55	26.88	44,000
1900	4/ /00	33.00	--	1956	3/16/56	24.04	30,500
1902	4/ /02	33.00	100,000 f	1957	4/ 5/57	23.57	28,900
1924	1/18/24	17.60	22,600	1958	5/14/58	25.14	35,000
1925	1/18/25	21.60	33,500	1959	4/23/59	19.05	18,700
1926	3/24/26	17.00	21,500	1960	3/17/60	24.02	30,500
1927	2/15/27	19.60	27,400	1961	4/ 1/61	28.21	51,800
1928	6/16/28	23.80	43,000	1962	12/25/61	29.64	63,500
1929	3/31/29	20.60	30,800	1963	1/21/63	20.54	20,100
1930	5/20/30	20.80	31,200	1964	4/28/64	25.18	35,600
1931	12/ 6/30	15.00	17,400	1965	2/22/65	23.87	29,300
1932	1/25/32	21.80	34,800	1966	2/17/66	26.36	42,000
1933	12/23/32	25.10	51,500	1967	5/ 6/67	20.85	21,700
1934	3/ 4/34	18.80	25,600	1968	12/30/67	21.60	24,100
1935	3/16/35	26.30	60,000	1969	4/24/69	26.71	44,100
1936	2/ 5/36	22.60	38,000	1970	5/ 4/70	19.10	19,500
1937	1/20/37	21.70	34,200	1971	3/ 7/71	24.59	32,600
1938	4/ 8/38	27.70	69,900	1972	12/ 8/71	25.31	36,200
1939	3/ 7/39	23.63	29,900	1973	3/26/73	27.74	50,200
1940	5/ 3/40	25.05	37,400	1974	4/14/74	32.28	78,200
1941	12/28/40	21.53	24,200	1975	5/ 8/75	27.74	47,900
1942	5/16/42	19.10	19,300	1976	4/ 5/76	28.07	49,900
1943	12/29/42	23.34	29,900	1977	4/14/77	26.18	38,900
1944	4/ 8/44	26.34	42,200	1978	5/ 9/78	23.60	29,100
1945	3/ 7/45	24.96	37,200	1979	4/20/79	34.08	122,000
1946	2/21/46	27.66	51,200	1980	3/31/80	30.50	79,800
1947	1/21/47	27.70	51,200	1981	4/ 7/81	21.23	21,300
1948	3/ 6/48	24.41	32,100	1982	2/18/82	22.15	27,000
1949	4/ 1/49	28.00	50,500	1983	4/ 9/83	30.53	80,400
1950	1/ 7/50	29.44	59,300	1984	3/ 6/84	25.36	42,700
1951	4/10/51	26.13	40,000	1985	10/24/84	24.43	33,500
1952	2/24/52	14.38	11,100	1986	10/30/85	19.93	19,600
1953	5/18/53	28.07	51,100	1987	3/ 1/87	27.65	59,900
1954	3/29/54	19.06	18,000	1988	4/ 3/88	23.14	30,700

HISTORICAL DATA: The 1902 and 1979 peaks are the highest known since 1874.

f Discharge is an historical peak.

# 02488510 Roadside Park Ditch near Monticello, MS

## LOCATION:

Lat 31°34'30", long 90°03'20", in NW 1/4 sec.18, T.7 N., R.12 E., St. Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, at culvert on U.S. Highway 84, and 3.0 mi east of Monticello.

## GAGE:

Crest-stage gage. Elevation of gage is about 250 ft above sea level. From May 18, 1965, to Sept. 28, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.25 mi<sup>2</sup> SLOPE: 103 ft/mi LENGTH: 0.8 mi

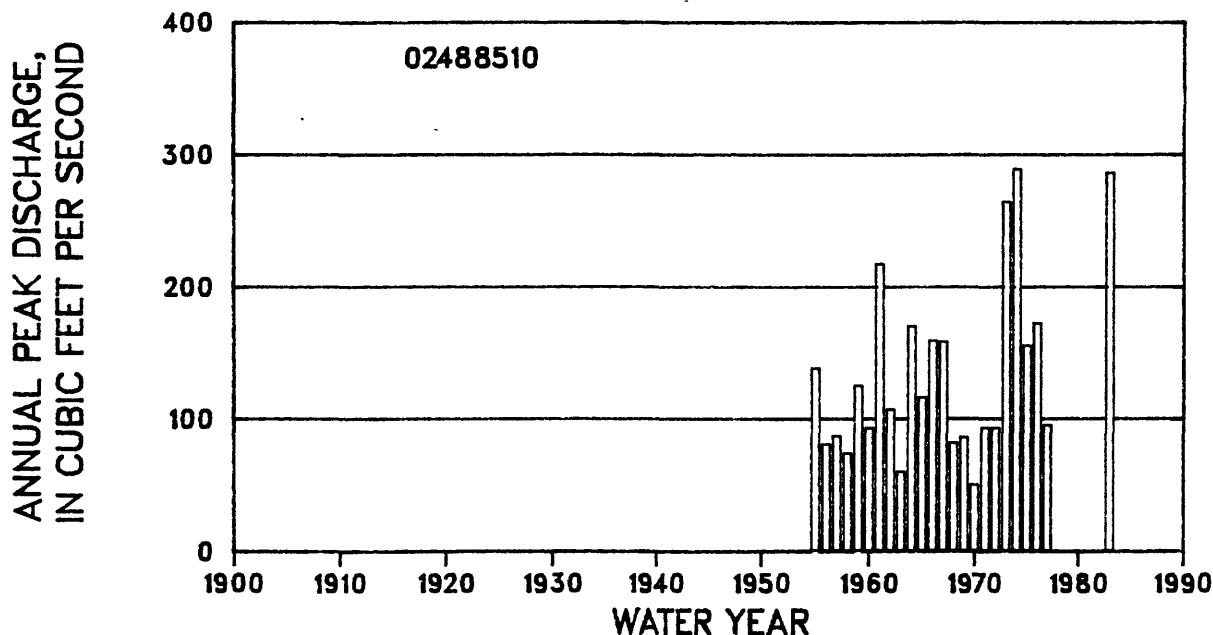
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.077  
STANDARD DEVIATION 0.203  
SKEW 0.199

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	118	176	219	279	327	378	433	512
REGIONAL	120	190	243	303	356	392	450	499
WEIGHTED	118	178	224	287	339	385	442	505

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	10	12	14	19	24	29	35	43
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	10	11	13	16	18	21	24	28

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 24

Graph of annual peak discharges is shown below.



## 02488510 Roadside Park Ditch near Monticello, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	4/12/55	5.03	138	1967	11/11/66	5.35	158
1956	7/14/56	4.07	81	1968	12/14/67	4.09	82
1957	4/ 3/57	4.19	87	1969	5/ 8/69	4.17	86
1958	11/13/57	3.96	74	1970	3/19/70	3.46	50
1959	unknown	4.83	125	1971	3/18/71	4.30	93
1960	2/ 4/60	4.29	93	1972	1/ 9/72	4.30	93
1961	3/28/61	6.17	217	1973	3/ 6/73	6.75	264
1962	11/14/61	4.52	107	1974	4/12/74	7.06	289
1963	1/20/63	3.66	60	1975	5/ 7/75	5.30	155
1964	4/26/64	5.52	170	1976	3/31/76	5.54	172
1965	12/11/64	4.69	116	1977	3/ 3/77	4.33	95
1966	5/19/66	5.36	159	1983	4/ 6/83	7.04	286 f

HISTORICAL DATA: The 1974 and 1983 peaks are the highest known since 1955.

f Discharge is an historical peak.

# 02488540 New Hebron Gulley at New Hebron, MS

## LOCATION:

Lat 31°43'47", long 89°59'54", in SE 1/4 sec.22, T.9 N., R.20 W., St. Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, at culvert on paved county highway, and 0.9 mi west of New Hebron.

## GAGE:

Crest-stage gage. Datum of gage is assumed. From July 24, 1964, to Sept. 21, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 2.50 mi<sup>2</sup> SLOPE: 44.7 ft/mi LENGTH: 2.2 mi

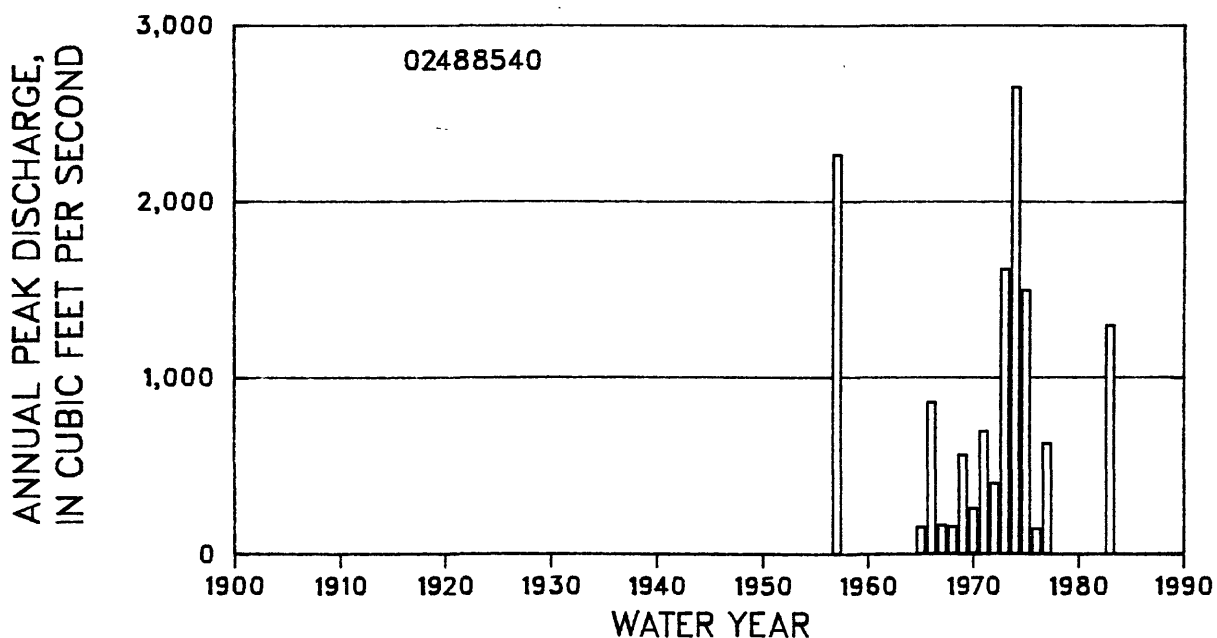
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.684  
STANDARD DEVIATION 0.414  
SKEW 0.129

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	473	1,070	1,660	2,670	3,650	4,860	6,320	8,720
REGIONAL	525	868	1,130	1,430	1,680	1,870	2,150	2,410
WEIGHTED	493	952	1,290	1,650	1,940	2,170	2,480	2,790

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	27	30	37	51	64	81	100	133
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	21	20	21	23	26	28	31	35

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 15

Graph of annual peak discharges is shown below.





## 02488540 New Hebron Gulley at New Hebron, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1957	4/ 4/57	16.80	2,270 f	1972	12/ 6/71	4.96	406
1965	11/26/64	3.12	155	1973	3/24/73	11.17	1,620
1966	7/ 3/66	7.57	864	1974	4/12/74	17.05	2,650
1967	5/ 4/67	3.22	167	1975	5/ 7/75	10.68	1,500
1968	8/ 6/68	3.15	159	1976	3/31/76	3.04	146
1969	3/17/69	5.97	565	1977	3/ 3/77	6.34	631
1970	3/19/70	3.96	262	1983	4/ 6/83	9.63	1,300 f
1971	2/21/71	6.73	701				

HISTORICAL DATA: The 1957 and 1974 peaks are the highest known between 1957 and 1983.

f Discharge is an historical peak.

# 02488550 Goines Draw near Prentiss, MS

## LOCATION:

Lat 31°47'00", long 89°52'40", in NE 1/4 sec.2, T.9 N., R.19 W., St. Stephens Meridian, Simpson County, Hydrologic Unit 03180003, at culvert on State Highway 13, and 12.2 mi north of Prentiss.

## GAGE:

Crest-stage gage. Elevation of gage is about 525 ft above sea level (from topographic map). From Dec. 12, 1955, to Oct. 1, 1973, water-stage and rain-gage recorder also.

DRAINAGE AREA: 0.34 mi<sup>2</sup>      SLOPE: 96.4 ft/mi      LENGTH: 0.8 mi

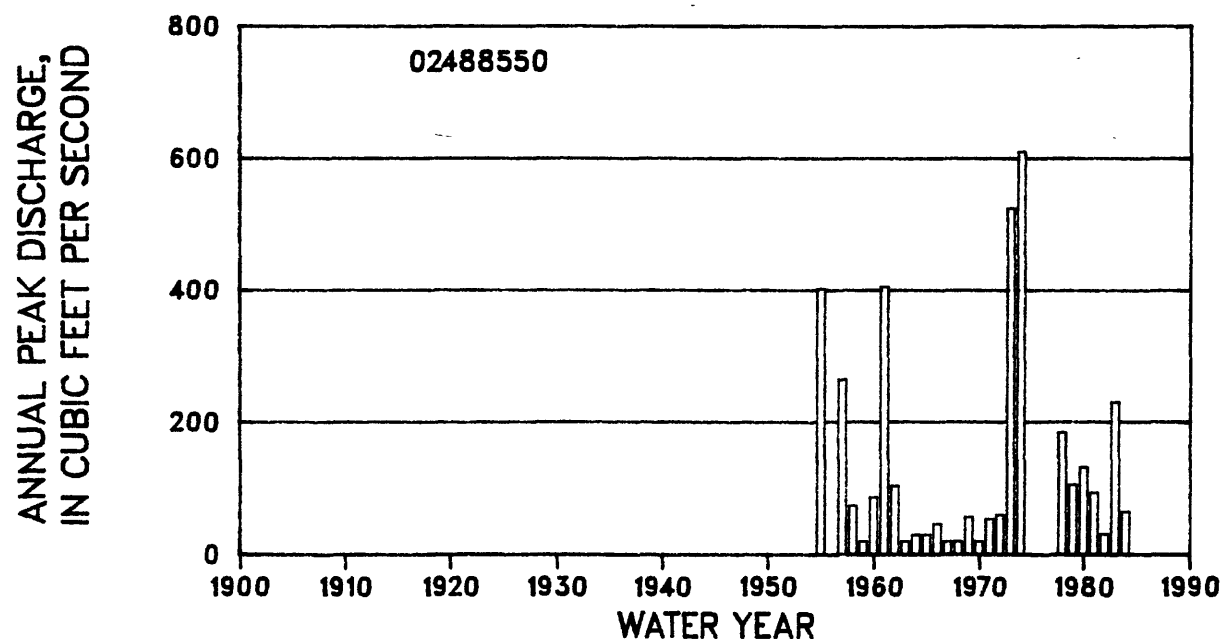
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN 1.904  
STANDARD DEVIATION 0.487  
SKEW 0.113

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	79	205	342	596	858	1,190	1,620	2,360
REGIONAL	154	244	314	391	459	506	580	643
WEIGHTED	99	224	324	440	529	595	687	775

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	24	27	33	44	56	69	85	110
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	19	19	20	23	25	28	31	35

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 26

Graph of annual peak discharges is shown below.



## 02488550 Goines Draw near Prentiss, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	4/12/55	6.82	402	1969	4/17/69	2.08	57
1957	4/ 3/57	5.25	265	1970	5/ 2/70	1.29	20
1958	7/14/58	2.39	74	1971	2/20/71	2.02	54
1959	2/10/59	0.98	20 h	1972	12/ 6/71	2.15	60
1960	2/ 3/60	2.65	87	1973	3/30/73	7.35	524
1961	2/20/61	6.14	405	1974	4/12/74	9.10	610
1962	12/18/61	2.97	104	1978	5/ 7/78	4.19	185
1963	1/19/63	1.22	20 h	1979	6/31/79	2.98	106
1964	4/ 6/64	1.58	30	1980	7/12/80	3.42	132
1965	2/12/65	1.46	30	1981	7/ 2/81	2.79	94
1966	2/15/66	1.86	46	1982	2/16/82	1.56	31
1967	11/11/66	0.66	20 h	1983	4/ 6/83	4.79	230
1968	3/22/68	0.78	20 h	1984	12/28/83	2.24	65

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

# 02488680 Plum Ditch near Prentiss, MS

## LOCATION:

Lat 31°35'17", long 89°56'35", on line between NE 1/4 and SE 1/4 sec.7, T.7 N., R.19 W., St. Stephens Meridian, Jefferson Davis County, Hydrologic Unit 03180003, at culvert on U.S. Highway 84, and 4.2 mi west of Prentiss.

## GAGE:

Crest-stage gage. Elevation of gage is about 400 ft above sea level (from topographic map). From May 18, 1965, to Sept. 21, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.23 mi<sup>2</sup> SLOPE: 90.9 ft/mi LENGTH: 0.9 mi

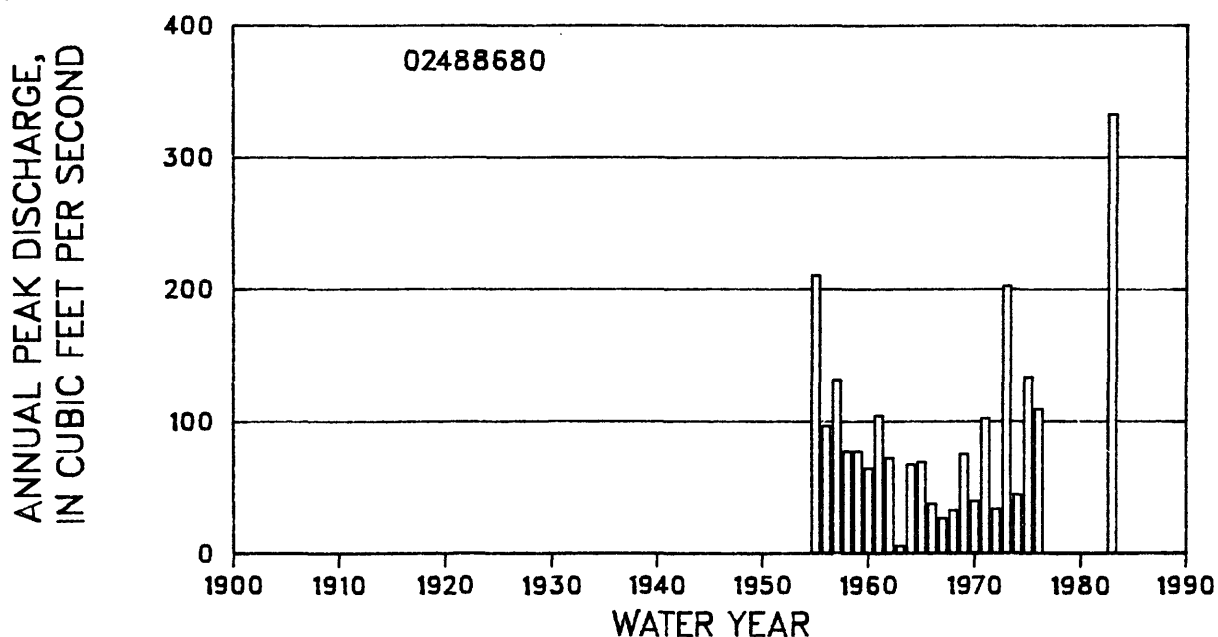
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 1.876  
STANDARD DEVIATION 0.284  
SKEW 0.158

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	74	129	175	244	303	370	445	558
REGIONAL	107	168	215	269	315	348	399	443
WEIGHTED	79	139	189	256	310	356	414	474

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	15	17	20	27	34	42	50	62
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	14	14	16	19	22	24	27	31

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 23

Graph of annual peak discharges is shown below.



## 02488680 Plum Ditch near Prentiss, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	4/12/55	7.18	211	1967	6/ 1/67	3.34	27
1956	2/ 4/56	5.07	97	1968	12/14/67	3.54	33
1957	6/27/57	5.79	132	1969	4/13/69	4.64	76
1958	11/13/57	4.65	78	1970	9/ 7/70	3.74	40
1959	5/23/59	4.65	78	1971	7/24/71	5.20	103
1960	4/ 2/60	4.36	65	1972	1/ 9/72	3.56	34
1961	3/29/61	5.25	105	1973	3/24/73	7.04	203
1962	7/10/62	4.57	73	1974	8/ 7/74	3.88	45
1963	1/20/63	2.40	6	1975	5/ 7/75	5.81	134
1964	4/26/64	4.42	68	1976	3/31/76	5.35	110
1965	2/12/65	4.49	70	1983	4/ 6/83	9.01	333 f
1966	2/10/66	3.70	38				

HISTORICAL DATA: The 1983 peak is the highest known between 1955 and 1983.

f Discharge is an historical peak.

# 02488700 Whitesand Creek near Oak Vale, MS

## LOCATION:

Lat 31°28'14", long 89°58'25", in SW 1/4 sec.24, T.6 N., R.20 W., St. Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, near left bank on downstream side of bridge on State Highway 43, 1.2 mi upstream from Illinois Central and Gulf Railroad bridge, 2.3 mi north of Oak Vale, and 3.7 mi upstream from mouth.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 182.20 ft above sea level.

DRAINAGE AREA: 130 mi<sup>2</sup> SLOPE: 8.7 ft/mi LENGTH: 30.8 mi

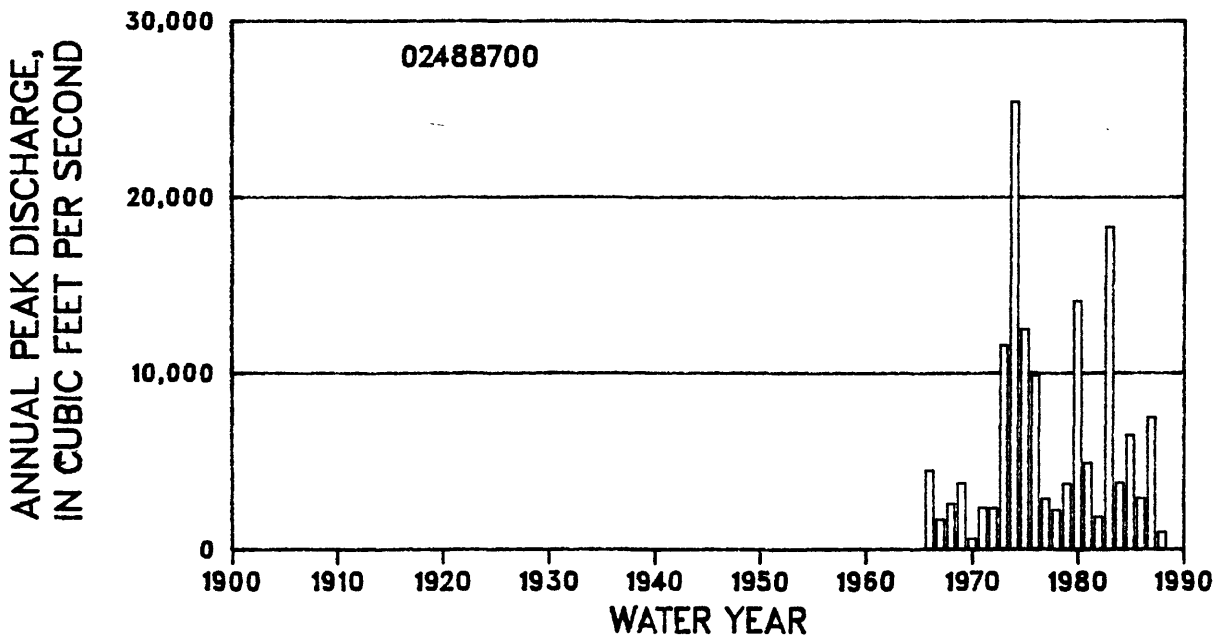
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.628  
STANDARD DEVIATION 0.407  
SKEW 0.080

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	4,200	9,310	14,200	22,500	30,300	39,600	50,800	68,900
REGIONAL	4,740	8,490	11,400	15,000	17,800	20,300	23,600	27,200
WEIGHTED	4,350	8,940	12,600	17,200	20,600	23,800	27,700	32,200

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	21	24	28	38	48	59	71	90
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	18	18	19	22	24	27	30	34

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 23

Graph of annual peak discharges is shown below.



## 02488700 Whitesand Creek near Oak Vale, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1966	2/13/66	10.54	4,490	1978	5/ 8/78	7.97	2,250
1967	5/ 5/67	7.45	1,700	1979	3/ 4/79	9.60	3,740
1968	12/15/67	8.63	2,600	1980	4/12/80	16.42	14,100
1969	4/14/69	9.86	3,760	1981	7/ 3/81	10.73	4,920
1970	5/ 3/70	5.38	602	1982	2/17/82	7.38	1,860
1971	3/ 3/71	8.26	2,380	1983	4/ 7/83	17.42	18,300
1972	12/ 7/71	8.23	2,350	1984	3/ 6/84	9.58	3,780
1973	3/25/73	15.40	11,600	1985	10/24/84	12.15	6,490
1974	4/13/74	18.76	25,400	1986	10/29/85	8.72	2,940
1975	5/ 8/75	15.98	12,500	1987	2/28/87	13.00 c	7,500
1976	3/30/76	14.71	9,880	1988	4/ 2/88	6.10 c	996
1977	3/ 5/77	8.62	2,880				

c Estimated.

# 02489000 Pearl River near Columbia, MS

## LOCATION:

Lat 31°14'14", long 89°50'54", in E 1/2 sec.7, T.3 N., R.18 W., St. Stephens Meridian, Marion County, Hydrologic Unit 03180004, on downstream side of bridge on U.S. Highway 98, 1.5 mi southwest of Columbia, 2.0 mi downstream from Fernwood, Columbia and Gulf Railroad bridge, 2.2 mi upstream from Silver Creek, and at mi 137.8.

## GAGE:

Nonrecording gage. Datum of gage is 115.81 ft above sea level. Prior to August 1928, nonrecording gages at various sites in the vicinity at datum about 1.22 ft higher than present datum. From August 1928, to May 26, 1934, nonrecording gage at site 1.0 mi downstream at datum 0.37 ft higher than present datum. From May 26, 1934, to September 1954, water-stage recorder at site.

DRAINAGE AREA: 5,720 mi<sup>2</sup> SLOPE: 1.0 ft/mi LENGTH: 326.0 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.564  
STANDARD DEVIATION 0.174  
SKEW 0.150

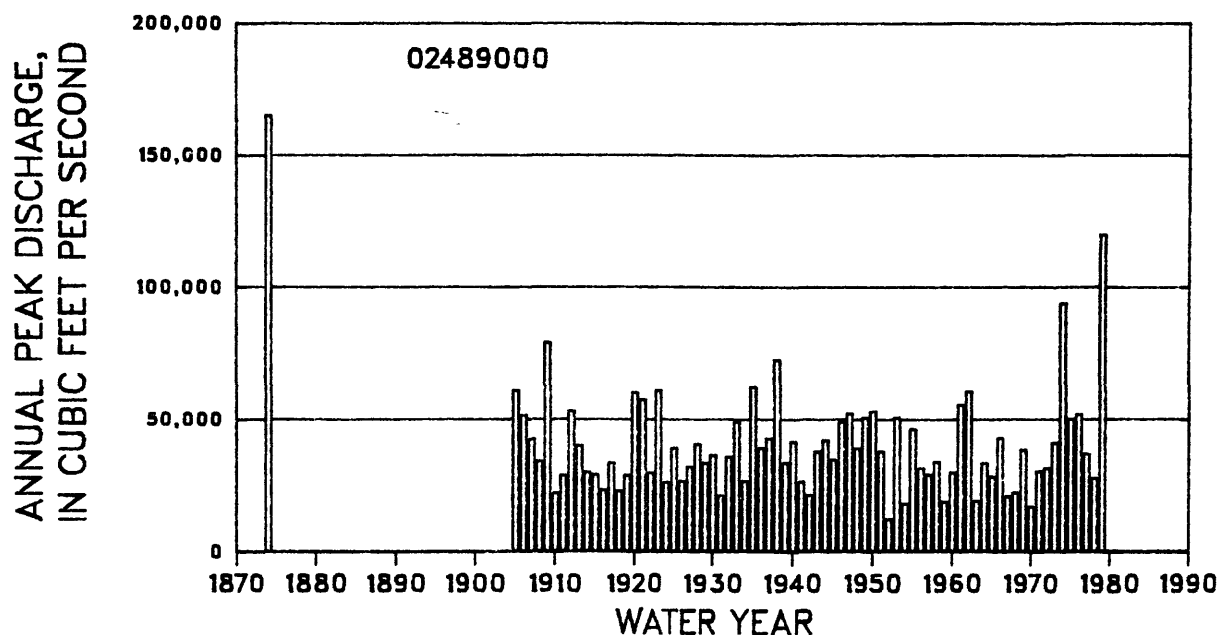
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	36,300	51,100	61,500	75,300	86,000	97,100	109,000	125,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	5	6	7	9	11	13	16	19

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 76

NOTE: The statistics of logarithms of annual peak discharge and the flood-frequency discharges were agreed upon by the U.S. Geological Survey and the U.S. Army Corps of Engineers, Mobile District, in 1980, following the April 1979 flood. The station was re-analyzed including record through the 1988 water year, and no revisions were warranted.

Graph of annual peak discharges is shown below.





## 02489000 Pearl River near Columbia, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1874	unknown	31.00 c	165,000 f	1945	3/ 9/45	20.94	35,000
1900	4/20/00	28.00 c	--	1946	2/23/46	23.78	49,300
1905	2/13/05	23.00 a	61,200	1947	1/23/47	24.18	52,500
1906	3/23/06	22.00 a	51,700	1948	3/ 7/48	22.11	39,300
1907	5/19/07	23.20 a	42,900	1949	4/ 3/49	24.00	50,900
1908	5/11/08	21.00 a	34,400	1950	1/11/50	24.30	53,300
1909	6/ 5/09	27.60 a	79,200	1951	4/13/51	21.80	38,100
1910	4/19/10	16.50 a	22,300	1952	5/26/52	11.61	12,400
1911	1/ 5/11	19.10 a	29,100	1953	5/22/53	23.99	50,900
1912	4/19/12	24.70 a	53,300	1954	3/31/54	14.53	18,300
1913	3/17/13	22.70 a	40,300	1955	4/16/55	23.40	46,500
1914	4/16/14	19.50 a	30,300	1956	3/19/56	19.80	31,700
1915	2/16/15	19.20 a	29,300	1957	4/ 7/57	19.00	29,300
1916	2/ 3/16	17.00 a	23,600	1958	5/16/58	20.60	34,100
1917	3/ 7/17	20.80 a	33,800	1959	2/ 6/59	14.80	19,000
1918	5/ 3/18	16.80 a	23,100	1960	3/19/60	19.30	30,200
1919	3/21/19	19.10 a	29,100	1961	4/ 2/61	24.60	55,800
1920	12/12/19	25.60 a	60,300	1962	12/27/61	25.15	60,800
1921	3/30/21	25.30 a	57,700	1963	1/22/63	15.00	19,300
1922	4/ 5/22	20.20 a	30,000	1964	4/30/64	20.50	33,800
1923	4/ 6/23	26.50 a	61,200	1965	2/25/65	18.75	28,600
1924	1/20/24	18.80 a	26,400	1966	2/18/66	22.85	43,100
1925	1/20/25	23.70 a	39,300	1967	5/ 7/67	15.80	21,100
1926	3/25/26	19.00 a	26,900	1968	1/ 2/68	16.40	22,600
1927	2/16/27	21.20 a	32,300	1969	4/27/69	21.95	38,700
1928	6/19/28	24.00 ab	40,800	1970	5/ 6/70	14.00	17,100
1929	3/17/29	19.72 a	33,800	1971	3/ 6/71	19.40	30,500
1930	11/16/29	20.85 a	36,700	1972	1/24/72	19.80	31,700
1931	12/ 7/30	14.87 a	21,400	1973	3/28/73	22.50	41,300
1932	1/27/32	20.22 a	36,100	1974	4/15/74	27.00	93,900
1933	12/27/32	23.12 a	49,300	1975	5/10/75	23.90	50,200
1934	3/ 6/34	17.14 ab	26,900	1976	4/ 6/76	24.00	52,000
1935	3/18/35	24.88	62,500	1977	5/16/77	21.56	37,100
1936	2/ 7/36	22.10	39,500	1978	5/12/78	18.45	27,900
1937	1/22/37	22.35	43,000	1979	4/22/79	27.80	120,000
1938	4/ 9/38	26.40	72,600	1980	3/30/80	26.20	--
1939	3/ 9/39	20.50	33,800	1981	4/ 9/81	16.20	--
1940	7/13/40	22.58	41,800	1982	2/ 9/82	18.00	--
1941	12/30/40	17.99	26,600	1983	4/ 8/83	26.20	--
1942	3/23/42	15.98	21,600	1984	3/ 8/84	19.20	--
1943	3/22/43	21.84	38,100	1985	10/25/84	18.60	--
1944	4/10/44	22.69	42,300	1986	10/31/85	15.10	--

HISTORICAL DATA: The 1979 peak is the highest known since 1874.

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

c Estimated.

f Discharge is an historical peak.

# 02489030 Elmers Draw near Columbia, MS

## LOCATION:

Lat 31°11'58", long 89°57'57", in NW 1/4 sec.26, T.3 N., R.12 E., Washington Meridian, Marion County, Hydrologic Unit 03180004, at U.S. Highway 98, and 5.7 mi west of Columbia.

## GAGE:

Crest-stage gage. Elevation of gage is about 350 ft above sea level (from topographic map). From April 29, 1965, to Oct. 1, 1973, rain-gage and water-stage recorders also.

DRAINAGE AREA: 0.91 mi<sup>2</sup> SLOPE: 68.6 ft/mi LENGTH: 1.4 mi

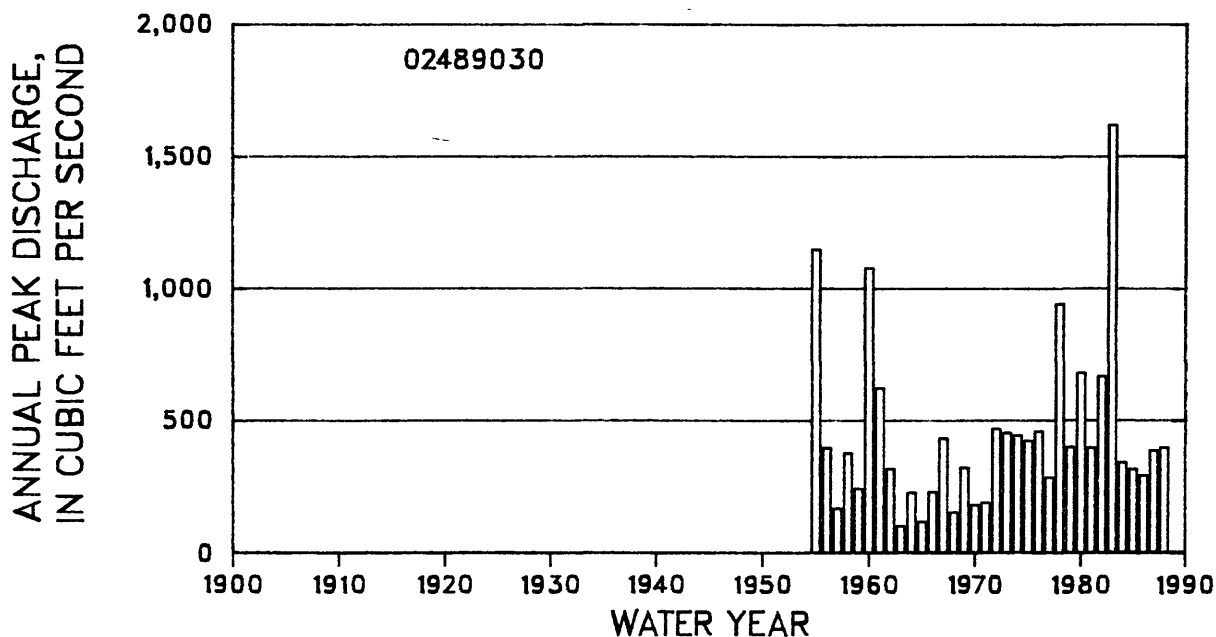
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.571  
STANDARD DEVIATION 0.269  
SKEW 0.165

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	366	624	832	1,140	1,400	1,700	2,020	2,510
REGIONAL	276	448	581	730	858	951	1,090	1,220
WEIGHTED	355	585	754	959	1,120	1,260	1,430	1,630

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	12	13	16	21	26	32	38	47
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	11	12	13	17	19	22	25	29

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 34

Graph of annual peak discharges is shown below.



## 02489030 Elmers Draw near Columbia, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	4/12/55	13.33	1,150	1972	12/ 6/71	8.19	471
1956	2/ 4/56	7.54	400	1973	3/24/73	8.05	456
1957	6/27/57	--	170 c	1974	12/25/73	7.97	447
1958	11/13/57	7.38	380	1975	2/16/75	7.78	426
1959	8/31/59	5.97	245	1976	7/15/76	8.10	461
1960	5/ 7/60	12.84	1,080	1977	4/21/77	6.45	287
1961	2/20/61	9.53	625	1978	5/ 8/78	11.85	944
1962	12/10/61	6.77	320	1979	2/24/79	7.56	402
1963	1/12/63	4.24	104	1980	5/16/80	9.93	682
1964	4/26/64	5.82	230	1981	3/ 4/81	7.55	400
1965	12/11/64	4.48	121	1982	8/ 1/82	9.84	669
1966	2/12/66	5.86	233	1983	4/ 6/83	16.22	1,620
1967	5/ 1/67	7.87	436	1984	12/28/83	7.03	345
1968	4/29/68	4.93	155	1985	7/24/85	6.78	320
1969	12/ 3/68	6.83	325	1986	10/28/85	6.47	295
1970	7/10/70	5.27	183	1987	2/28/87	7.44	390
1971	5/12/71	5.40	193	1988	3/26/88	7.52	400

c Estimated.

02489160 Kokomo Draw at Kokomo, MS

LOCATION:

Lat 31°11'26", long 89°59'59", in SW 1/4 sec.28, T.3 N., R.12 E., Washington Meridian, Marion County, Hydrologic Unit 03180004, and at culvert on U.S. Highway 98 at Kokomo.

GAGE:

Crest-stage gage. Elevation of gage is about 350 ft above sea level (from topographic map). From May 21, 1965, to Sept. 27, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 1.26 mi<sup>2</sup> SLOPE: 42.2 ft/mi LENGTH: 1.5 mi

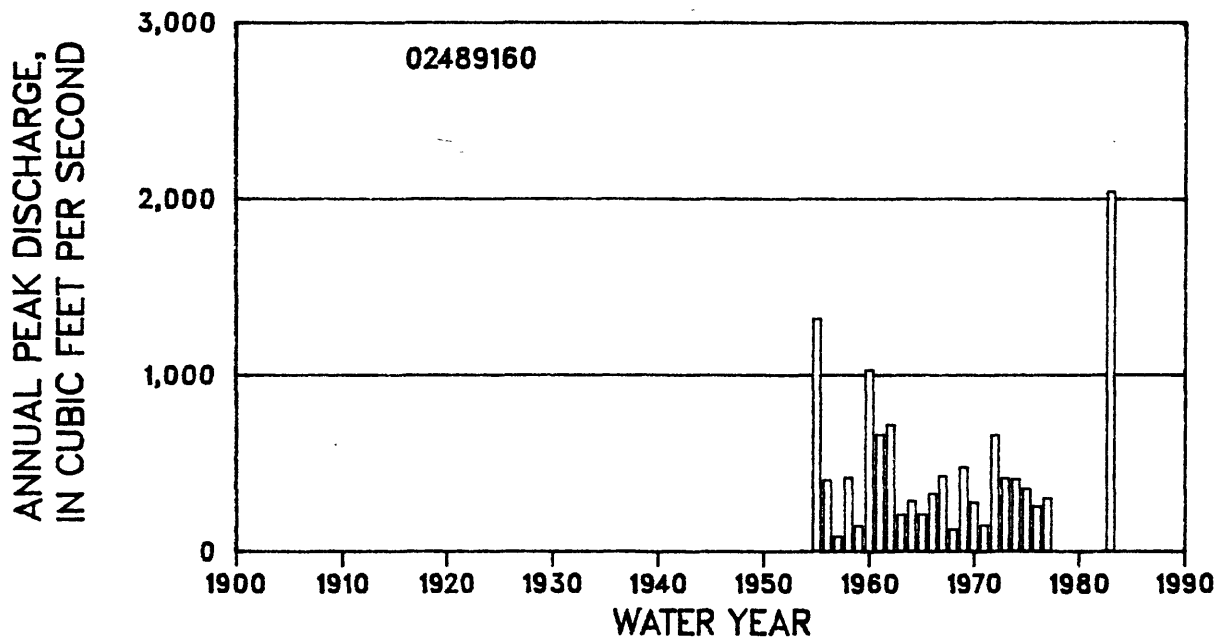
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.560  
STANDARD DEVIATION 0.317  
SKEW 0.185

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	355	667	938	1,360	1,750	2,190	2,700	3,500
REGIONAL	345	556	716	897	1,050	1,160	1,330	1,490
WEIGHTED	353	629	835	1,080	1,270	1,420	1,620	1,840

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	16	18	22	31	38	47	56	71
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	15	15	17	20	23	25	28	32

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 24

Graph of annual peak discharges is shown below.



## 02489160 Kokomo Draw at Kokomo, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	4/12/55	9.63	1,320	1967	5/ 1/67	5.60	427
1956	2/ 4/56	5.45	405	1968	9/17/68	3.81	126
1957	4/ 3/57	3.56	86	1969	12/ 3/68	5.87	478
1958	11/13/57	5.58	419	1970	7/10/70	4.75	278
1959	4/21/59	3.94	146	1971	5/12/71	3.96	150
1960	5/ 7/60	8.45	1,030	1972	12/ 6/71	6.80	660
1961	2/20/61	6.78	664	1973	3/24/73	5.53	414
1962	12/10/61	7.07	721	1974	8/ 1/74	5.50	409
1963	1/12/63	4.18	210	1975	5/ 7/75	5.20	355
1964	7/ 3/64	4.71	286	1976	7/15/76	4.62	255
1965	12/11/64	4.35	212	1977	3/ 3/77	5.02	300
1966	2/10/66	5.04	327	1983	4/ 6/83	12.86	2,040 cf

HISTORICAL DATA: The 1985 peak is the highest known since 1955.

c Estimated.

f Discharge is an historical peak.

# 02489200 Ten Mile Creek near Columbia, MS

## LOCATION:

Lat 31°09'30", long 89°50'45", in NW 1/4 sec.12, T.2 N., R.13 E., Washington Meridian, Marion County, Hydrologic Unit 03180004, at bridge on State Highway 35, 1.5 mi upstream from mouth, and 9.0 mi south of Columbia.

## GAGE:

Crest-stage gage. Datum of gage is assumed.

DRAINAGE AREA: 38.5 mi<sup>2</sup> SLOPE: 16.8 ft/mi LENGTH: 13.8 mi

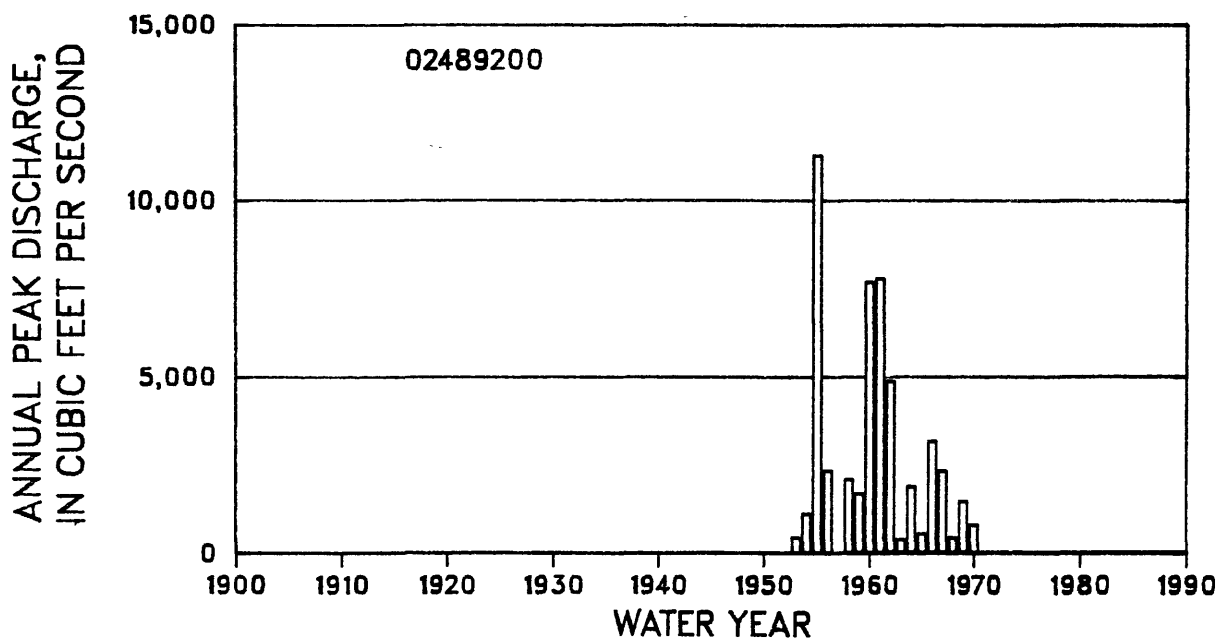
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.298  
STANDARD DEVIATION 0.419  
SKEW 0.114

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	1,950	4,450	6,920	11,200	15,300	20,300	26,500	36,500
REGIONAL	2,410	4,240	5,670	7,360	8,720	9,890	11,500	13,100
WEIGHTED	2,110	4,340	6,090	8,190	9,790	11,200	13,000	14,900

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	26	29	35	47	60	75	92	121
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	20	19	21	23	25	28	31	35

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 17

Graph of annual peak discharges is shown below.



## 02489200 Ten Mile Creek near Columbia, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1953	5/ 3/53	10.52	450	1963	1/12/63	10.52	400
1954	12/ 4/53	12.41	1,120	1964	3/15/64	13.91	1,900
1955	4/12/55	19.00	11,300	1965	10/ 4/64	11.05	560
1956	2/ 4/56	14.10	2,350	1966	2/13/66	15.09	3,200
1958	6/17/58	13.79	2,100	1967	5/ 2/67	14.27	2,350
1959	4/21/59	13.56	1,700	1968	12/10/67	10.67	450
1960	5/ 7/60	17.49	7,700	1969	4/14/69	13.21	1,480
1961	2/22/61	17.70	7,800	1970	unknown	--	810 h
1962	4/28/62	16.35	4,900				

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

# 02489240 Lower Little Creek near Baxterville, MS

## LOCATION:

Lat 31°09'30", long 89°37'40", in SE 1/4 sec.5, T.2 N., R.16 W., St. Stephens Meridian, Lamar County, Hydrologic Unit 03180004, near left bank on downstream side of bridge on county highway, 200 ft downstream from Gulley Creek, 5.0 mi northwest of Baxterville, and 14.0 mi northwest of Lumberton.

## GAGE:

Continuous-discharge gage, water-stage recorder. Elevation of gage is about 180 ft above sea level (from topographic map).

DRAINAGE AREA: 81.5 mi<sup>2</sup> SLOPE: 13.1 ft/mi LENGTH: 11.2 mi

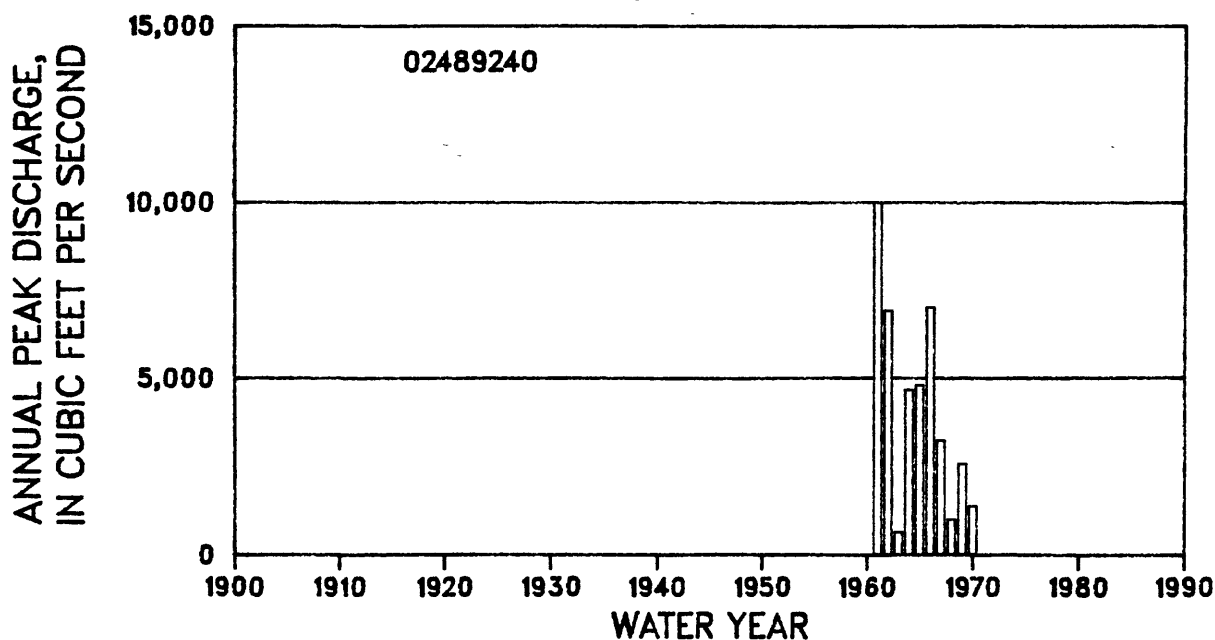
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.492  
STANDARD DEVIATION 0.395  
SKEW -0.079

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	3,140	6,690	9,880	14,900	19,300	24,400	30,200	39,000
REGIONAL	4,730	8,410	11,300	14,500	17,100	19,400	22,400	25,500
WEIGHTED	3,810	7,690	10,800	14,600	17,500	20,100	23,300	26,700

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	32	34	40	53	66	83	103	136
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	23	21	21	24	26	28	31	35

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 10

Graph of annual peak discharges is shown below.





## 02489240 Lower Little Creek near Baxterville, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1961	2/18/61	24.60	10,000	1966	2/12/66	21.90	7,020
1962	11/14/61	21.80	6,920	1967	5/ 2/67	17.30	3,250
1963	1/20/63	7.12	647	1968	1/ 1/68	8.62	1,010
1964	4/27/64	19.40	4,670	1969	8/18/69	15.84	2,590
1965	12/11/64	19.58	4,810	1970	3/ 4/70	11.22	1,380

02490250 Bogue Chitto near Brookhaven, MS

LOCATION:

Lat 31°32'40", long 90°28'36", in SW 1/4 sec.26, T.7 N., R.7 E., Washington Meridian, Lincoln County, Hydrologic Unit 03180005, at bridge on U.S. Highway 84, and 2.5 mi south-west of Brookhaven.

GAGE:

Crest-stage gage. Datum of gage is assumed.

DRAINAGE AREA: 28.3 mi<sup>2</sup> SLOPE: 6.3 ft/mi LENGTH: 10.6 mi

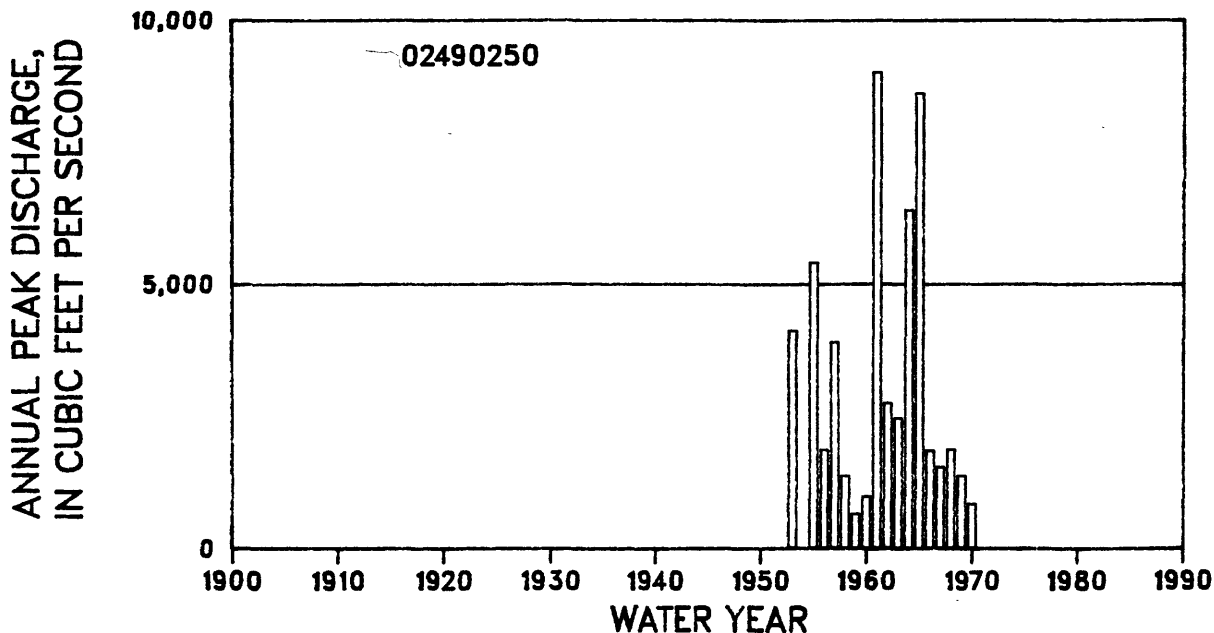
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.380  
STANDARD DEVIATION 0.346  
SKEW 0.074

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	2,370	4,680	6,700	9,880	12,700	16,000	19,800	25,600
REGIONAL	2,010	3,350	4,370	5,590	6,540	7,400	8,470	9,650
WEIGHTED	2,260	4,050	5,330	6,810	7,900	8,920	10,100	11,600

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	21	23	28	38	47	58	70	88
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	18	18	19	22	24	27	30	34

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 17

Graph of annual peak discharges is shown below.



## 02490250 Bogue Chitto near Brookhaven, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1953	5/18/53	17.60	4,120	1963	1/20/63	17.05	2,450
1955	4/13/55	17.95	5,400	1964	4/27/64	18.16	6,400
1956	3/15/56	16.70	1,860	1965	10/ 4/64	19.33	8,600
1957	6/28/57	17.55	3,900	1966	4/26/66	16.70	1,850
1958	6/17/58	16.24	1,370	1967	5/ 4/67	16.42	1,540
1959	4/21/59	13.98	650	1968	12/14/67	16.71	1,870
1960	2/ 4/60	15.67	980	1969	4/10/69	16.26	1,370
1961	3/28/61	18.60	9,000	1970	3/ 4/70	15.40	840
1962	12/18/61	17.16	2,740				

# 02490300 Big Creek at Bogue Chitto, MS

## LOCATION:

Lat 31°26'46", long 90°27'24", in N 1/2 sec.36, T.6 N., R.7 E., Washington Meridian, Lincoln County, Hydrologic Unit 03180005, at bridge on U.S. Highway 51, and 0.5 mi north of Bogue Chitto.

## GAGE:

Crest-stage gage. Datum of gage is assumed.

DRAINAGE AREA: 55.1 mi<sup>2</sup> SLOPE: 5.8 ft/mi LENGTH: 16.2 mi

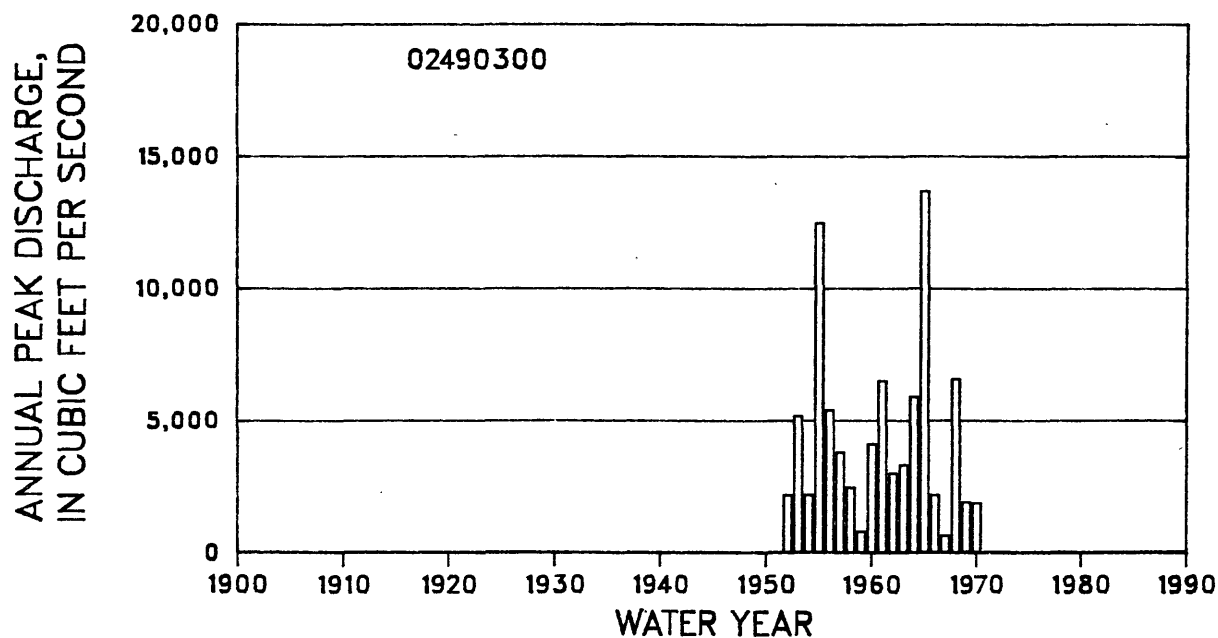
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.532  
STANDARD DEVIATION 0.331  
SKEW -0.062

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	3,430	6,480	9,000	12,700	15,900	19,400	23,200	28,900
REGIONAL	2,950	5,030	6,610	8,520	10,000	11,400	13,100	14,900
WEIGHTED	3,300	5,900	7,820	10,100	11,900	13,500	15,400	17,600

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	19	20	24	31	38	47	56	70
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	16	16	17	20	23	25	28	32

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 19

Graph of annual peak discharges is shown below.



## 02490300 Big Creek at Bogue Chitto, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1952	unknown	--	2,200 h	1962	12/18/61	21.16	3,020
1953	5/18/53	22.97	5,200	1963	1/20/63	21.43	3,340
1954	unknown	--	2,200 h	1964	4/27/64	23.54	5,920
1955	4/13/55	27.06	12,500	1965	10/ 4/64	27.40	13,700
1956	3/15/56	23.14	5,420	1966	1/ 4/66	20.70	2,200
1957	9/27/57	21.84	3,820	1967	8/27/67	18.07	670
1958	12/28/57	--	2,480	1968	12/14/67	24.11	6,600
1959	1/21/59	18.57	820	1969	unknown	--	1,930 h
1960	12/17/59	22.11	4,140	1970	unknown	--	1,900 h
1961	3/29/61	24.02	6,520				

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

# 02490370 Bogue Chitto near Pricedale, MS

## LOCATION:

Lat 31°16'10", long 90°21'40", in SE 1/4 sec.35, T.4 N., R.8 E., Washington Meridian, Pike County, Hydrologic Unit 03180005, at bridge on State Highway 44, 4.5 mi west of Pricedale, and 7.0 mi east of McComb.

## GAGE:

Crest-stage gage. Datum of gage is 250.00 ft above sea level.

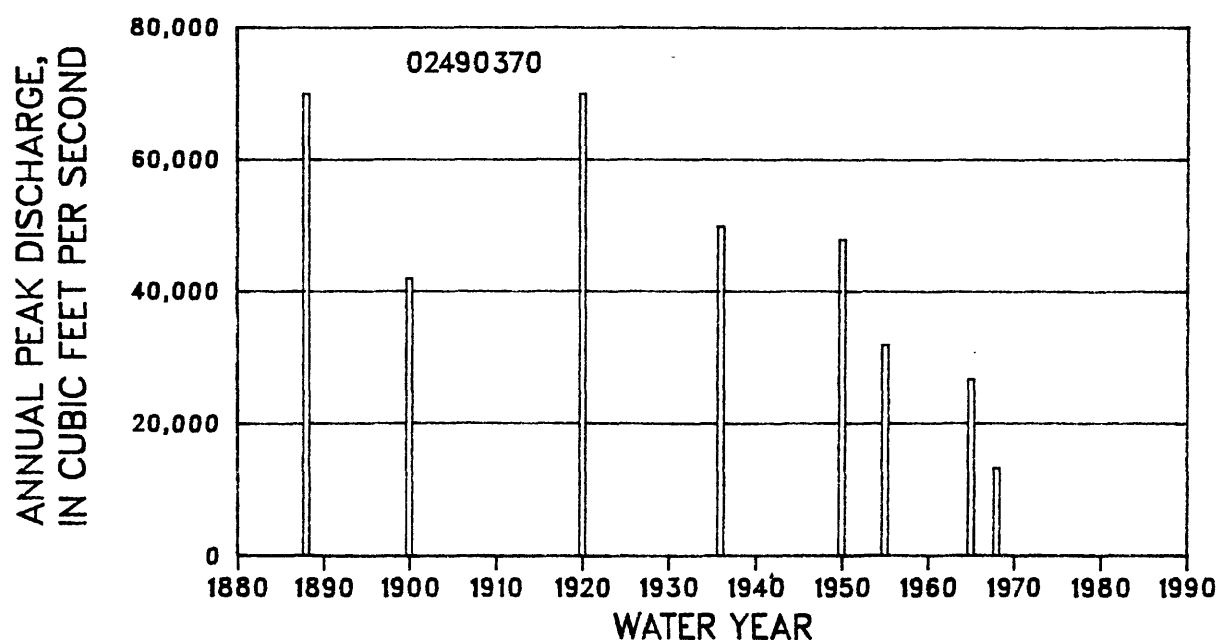
DRAINAGE AREA: 261 mi<sup>2</sup> SLOPE: 3.2 ft/mi LENGTH: 47.7 mi

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
REGIONAL	6,910	12,200	16,300	21,300	25,200	28,900	33,400	38,600
WEIGHTED-TRANSFER	7,170	12,800	17,100	22,300	26,400	30,300	34,900	40,300

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED-TRANSFER	--	--	--	--	--	--	--	--

NOTE: The period of record is insufficient for station flood-frequency analysis; therefore, only regional flood-frequency discharges are presented in this report. For an improved estimate, the weighted flood-frequency discharge at Station 02490500 was transferred to this site and weighted with the regional estimate at this site using the technique described by Landers and Wilson(1991). No estimate of the standard error for this weighted-transfer discharge is presented, but is probably slightly smaller than the estimates shown for the regional.

Graph of annual peak discharges is shown below.



## 02490370 Bogue Chitto near Pricedale, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1888	unknown	53.60 c	70,000 cfp	1950	1/ /50	51.80	48,000 f
1900	4/ /00	51.10	42,000 f	1955	4/ /55	49.60	32,000 f
1920	12/ /19	53.60	70,000 cf	1965	10/ 5/64	48.60	26,800 f
1936	2/ /36	52.00	50,000 f	1968	12/14/67	43.40	13,300 f

HISTORICAL DATA: The 1888 peak is the highest known since 1860.

c Estimated.

f Discharge is an historical peak.

p Discharge actually greater than indicated value.

# 02490500 Bogue Chitto near Tylertown, MS

## LOCATION:

Lat 31°10'37", long 90°16'48", in SE 1/4 sec.34, T.3 N., R.9 E., Washington Meridian, Pike County, Hydrologic Unit 03180005, near right bank on downstream side of bridge on U.S. Highway 98, 0.2 mi upstream from Bars Branch, 2.2 mi downstream from Topisaw Creek, and 9.2 mi northwest of Tylertown.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 227.40 ft above sea level.

DRAINAGE AREA: 492 mi<sup>2</sup> SLOPE: 3.3 ft/mi LENGTH: 59.2 mi

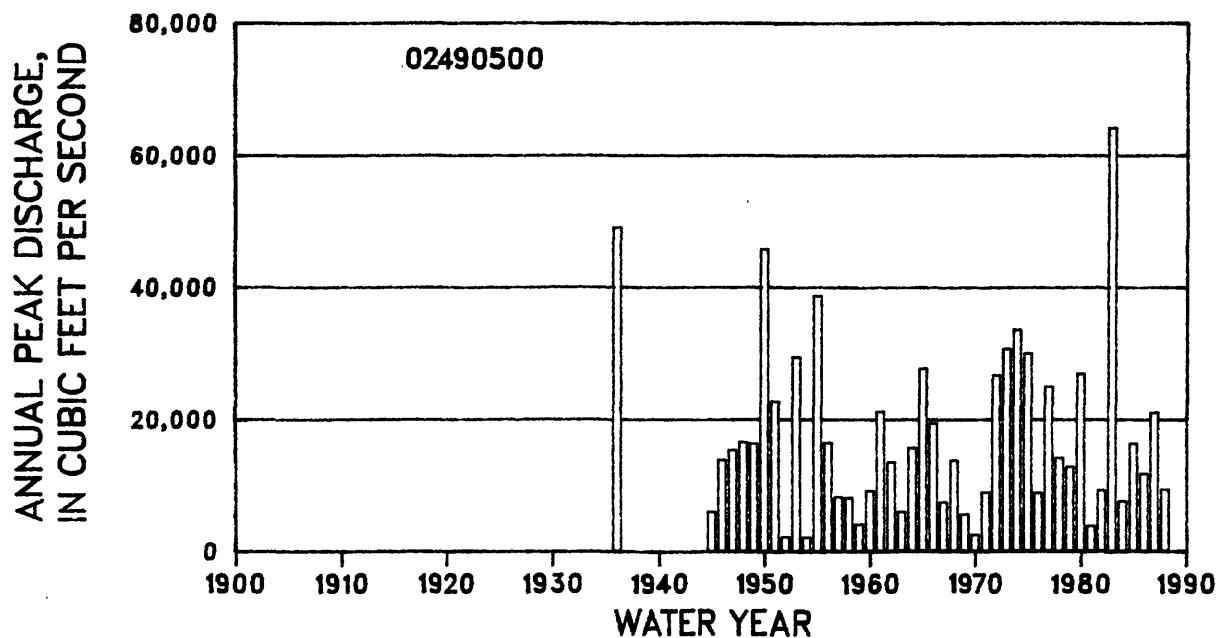
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.120  
STANDARD DEVIATION 0.349  
SKEW -0.313

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	13,800	26,200	35,900	49,300	60,000	71,200	82,800	98,900
REGIONAL	10,700	19,300	26,000	34,200	40,500	46,600	53,900	62,500
WEIGHTED	13,300	24,700	33,300	43,900	51,600	59,100	67,400	77,700

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	13	13	14	18	22	27	32	40
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	12	12	12	15	18	20	23	27

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 45

Graph of annual peak discharges is shown below.





## 02490500 Bogue Chitto near Tylertown, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1936	2/ /36	34.70	49,000 f	1967	5/ 5/67	16.38	7,440
1945	1/ 8/45	15.37	6,000	1968	12/16/67	20.58 d	13,800
1946	9/22/46	20.50	13,900	1969	4/14/69	14.56	5,600
1947	1/20/47	22.35	15,400	1970	3/22/70	10.84	2,470
1948	3/ 4/48	23.06	16,600	1971	9/17/71	17.52 d	8,930
1949	11/28/48	22.58	16,400	1972	12/ 7/71	28.51	26,700
1950	1/ 7/50	33.50	45,700	1973	3/25/73	30.07	30,700
1951	3/30/51	26.47	22,700	1974	4/14/74	30.85	33,600
1952	4/14/52	11.22	2,170	1975	5/ 8/75	29.69	30,000
1953	8/22/53	29.66	29,400	1976	3/31/76	17.72	8,850
1954	1/17/54	11.10	2,120	1977	4/22/77	27.51	25,000
1955	4/14/55	32.08	38,700	1978	5/ 9/78	21.79	14,200
1956	3/16/56	--	16,500	1979	2/25/79	20.64	12,800
1957	6/29/57	17.38	8,250	1980	3/28/80	28.05 d	26,900
1958	11/16/57	17.00	8,120	1981	4/ 1/81	12.58	3,810
1959	5/24/59	12.99	4,050	1982	2/17/82	17.52	9,300
1960	12/19/59	17.66	9,190	1983	4/ 7/83	34.62	64,200
1961	3/29/61	25.40	21,200	1984	3/ 7/84	16.14	7,620
1962	12/18/61	20.71	13,500	1985	10/24/84	22.40	16,400
1963	1/20/63	14.96	5,960	1986	10/30/85	19.72	11,800
1964	4/27/64	22.03	15,700	1987	3/ 1/87	24.84	21,100
1965	10/ 5/64	--	27,700	1988	4/ 3/88	17.03	9,380
1966	2/13/66	23.77	19,400				

HISTORICAL DATA: The 1983 peak is the highest known since 1936.

d Gage height not the maximum daily average.

f Discharge is an historical peak.

02490550 Middle Fork Hickory Flat near Tylertown, MS

LOCATION:

Lat 31°09'40", long 90°13'05", on line between secs.5 and 8, T.2 N., R.10 E., Washington Meridian, Walthall County, Hydrologic Unit 03180005, at culvert on U.S. Highway 98, 0.2 mi upstream from Fernwood, Columbia and Gulf Railroad, and 5.5 mi northwest of Tylertown.

GAGE:

Crest-stage gage. Datum of gage is assumed. From May 21, 1965, to Sept. 27, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 1.46 mi<sup>2</sup> SLOPE: 38.3 ft/mi LENGTH: 2.4 mi

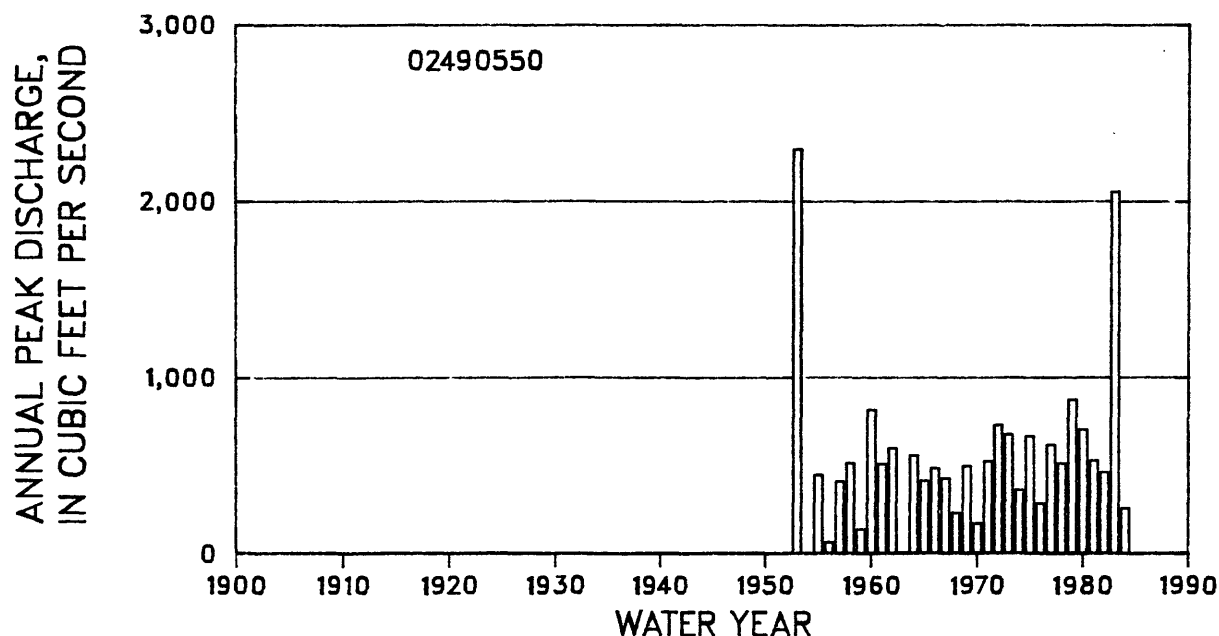
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.694  
STANDARD DEVIATION 0.258  
SKEW 0.160

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	487	812	1,070	1,450	1,770	2,120	2,500	3,080
REGIONAL	327	530	685	866	1,020	1,130	1,300	1,460
WEIGHTED	466	746	944	1,180	1,370	1,530	1,730	1,950

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	12	13	16	22	27	33	39	48
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	11	12	14	17	19	22	25	29

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 30

Graph of annual peak discharges is shown below.



## 02490550 Middle Fork Hickory Flat near Tylertown, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1953	8/22/53	13.95	2,300 f	1970	3/ 3/70	3.67	173
1955	2/ 5/55	5.66	450	1971	9/16/71	6.19	526
1956	unknown	3.85	67	1972	12/ 6/71	7.01	733
1957	4/ 4/57	5.35	413	1973	3/24/73	6.28	680
1958	3/ 7/58	5.95	516	1974	1/19/74	5.47	364
1959	4/20/59	4.13	141 c	1975	5/ 7/75	6.38	670
1960	4/ 7/60	7.13	820	1976	3/31/76	5.08	286
1961	3/29/61	5.92	512	1977	4/21/77	6.32	620
1962	4/28/62	6.25	601	1978	11/30/77	6.14	514
1963	12/29/62	3.17	--	1979	7/11/79	7.56	876
1964	3/14/64	6.08	560	1980	4/12/80	6.92	709
1965	10/ 4/64	5.71	416	1981	4/ 2/81	5.67	530
1966	2/10/66	6.03	487	1982	8/ 1/82	5.94	465
1967	5/ 4/67	6.02	430	1983	4/ 6/83	13.30	2,060
1968	3/22/68	4.22	234	1984	4/ 3/84	4.95	261
1969	12/ 3/68	5.50	499				

c Estimated.

f Discharge is an historical peak.

# 02490700 Union Creek near Tylertown, MS

## LOCATION:

Lat 31°09'48", long 90°07'48", in SE 1/4 sec.6, T.2 N., R.11 E., Washington Meridian, Walthall County, Hydrologic Unit 03180005, on State Highway 27, and 3.2 mi north of Tylertown.

## GAGE:

Crest-stage gage. Datum of gage is 279.34 ft above Mississippi State Highway Department Datum.

DRAINAGE AREA: 12.4 mi<sup>2</sup> SLOPE: 16.8 ft/mi LENGTH: 6.6 mi

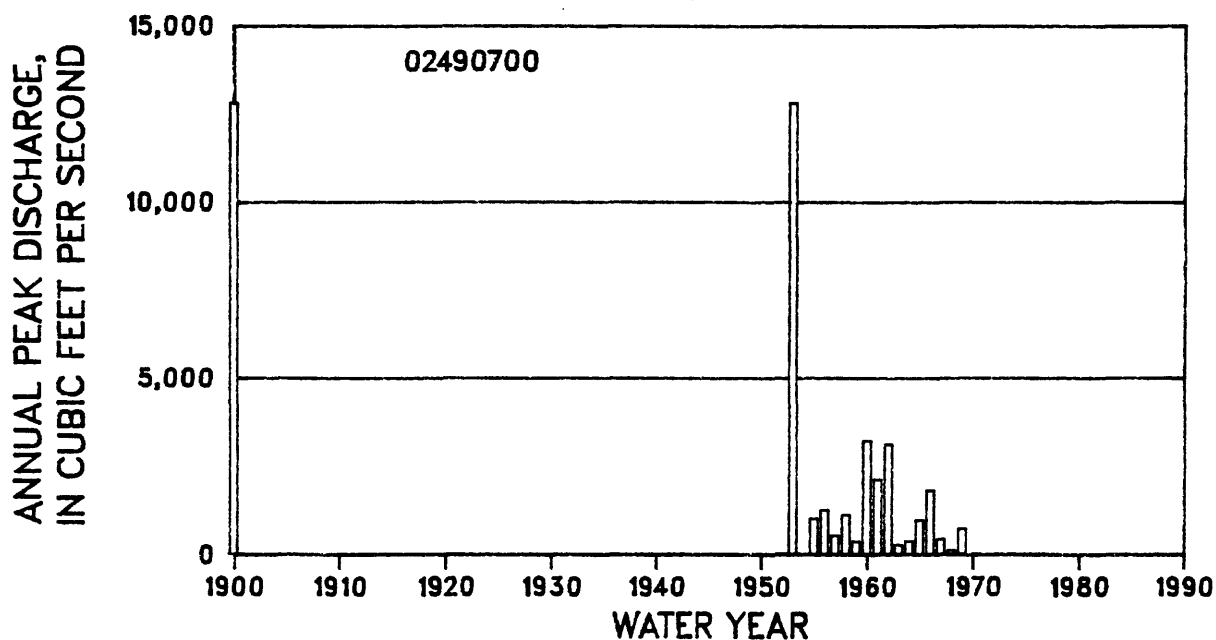
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.934  
STANDARD DEVIATION 0.429  
SKEW 0.083

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	847	1,960	3,070	4,980	6,830	9,080	11,800	16,300
REGIONAL	1,260	2,120	2,780	3,560	4,190	4,710	5,420	6,140
WEIGHTED	985	2,040	2,880	3,870	4,630	5,270	6,080	6,960

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	26	29	35	48	60	75	92	121
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	21	20	21	23	25	28	31	35

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 17

Graph of annual peak discharges is shown below.



## 02490700 Union Creek near Tylertown, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1900	4/ /00	19.20	12,800 f	1962	4/28/62	16.93	3,130
1953	8/22/53	19.20	12,800	1963	1/20/63	13.41	272
1955	4/12/55	15.18	1,020	1964	3/15/64	13.88	377
1956	5/27/56	15.50	1,260	1965	10/ 4/64	15.19	980
1957	4/ 4/57	14.35	533	1966	2/13/66	16.12	1,820
1958	2/ 6/58	15.32	1,120	1967	5/ 4/67	14.09	437
1959	6/ 8/59	13.84	366	1968	3/22/68	12.37	119
1960	5/ 6/60	16.97	3,230	1969	12/22/68	14.75	733
1961	2/18/61	16.38	2,130				

HISTORICAL DATA: The 1900 peak is the highest known since 1876.

f Discharge is an historical peak.

# 02490750 McGees Creek at Tylertown, MS

## LOCATION:

Lat 31°06'53", long 90°07'48", in N 1/2 sec.30, T.2 N., R.11 E., Washington Meridian, Walthall County, Hydrologic Unit 03180005, at bridge on U.S. Highway 98 in Tylertown, and 0.2 mi upstream from Fernwood, Columbia and Gulf Railroad.

## GAGE:

Crest-stage gage. Datum of gage is 232.22 ft above sea level.

DRAINAGE AREA: 152 mi<sup>2</sup> SLOPE: 5.3 ft/mi LENGTH: 32.8 mi

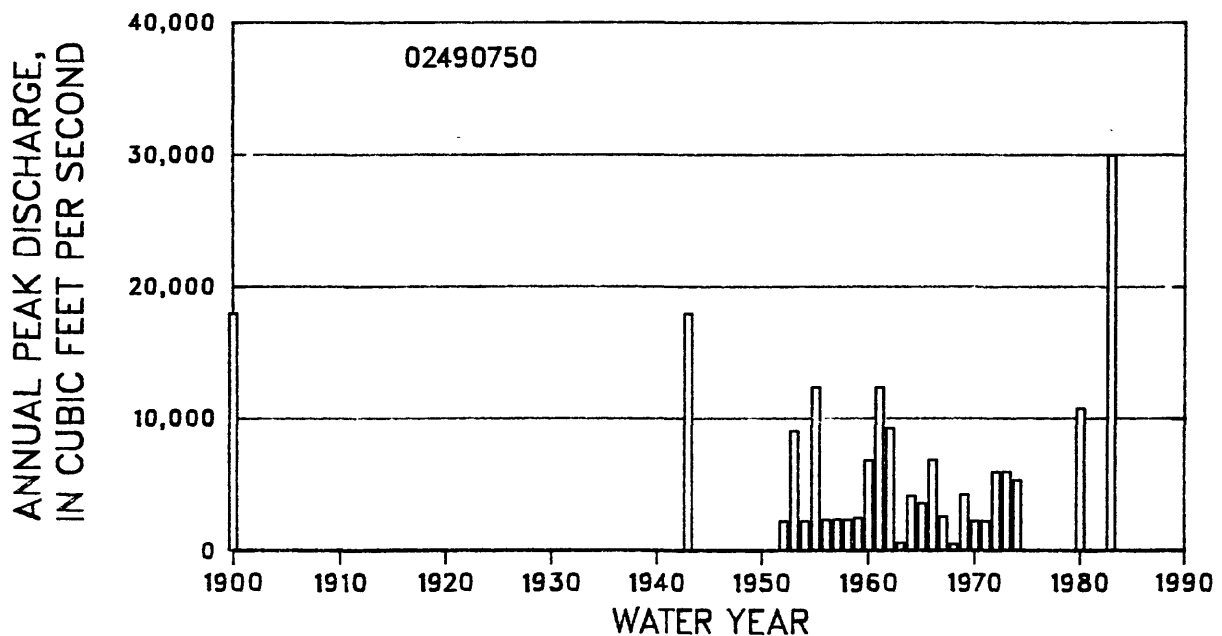
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.617  
STANDARD DEVIATION 0.353  
SKEW -0.052

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	4,170	8,210	11,700	16,900	21,500	26,600	32,300	40,800
REGIONAL	5,180	9,150	12,200	16,000	18,900	21,600	25,000	28,700
WEIGHTED	4,360	8,500	11,900	16,400	19,900	23,300	27,200	31,800

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	17	18	21	28	34	42	50	61
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	15	15	16	19	22	24	27	31

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 27

Graph of annual peak discharges is shown below.



## 02490750 McGees Creek at Tylertown, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1900	unknown	28.50 c	18,000 cf	1964	3/15/64	20.91	4,200
1943	3/ /43	28.50 c	18,000 cf	1965	10/ 4/64	20.14	3,640
1952	unknown	22.00 o	2,300 h	1966	2/13/66	23.61	6,930
1953	8/22/53	25.02	9,100	1967	5/ 4/67	18.43	2,620
1954	unknown	22.00 o	2,300 h	1968	3/22/68	13.07	546
1955	4/12/55	26.54	12,400	1969	12/22/68	21.03	4,310
1956	unknown	18.00	2,400	1970	unknown	17.80 o	2,300 h
1957	4/ 4/57	18.04	2,420	1971	unknown	17.80 o	2,300 h
1958	3/ 7/58	18.02	2,410	1972	12/ /71	22.85	6,020
1959	6/16/59	18.23	2,540	1973	3/24/73	22.86	6,030
1960	5/ 6/60	23.56	6,900	1974	4/14/74	22.30	5,400
1961	2/22/61	26.54	12,400	1980	3/29/80	25.70	10,800
1962	4/28/62	25.09	9,300	1983	4/ 7/83	31.38	30,000 cf
1963	1/20/63	13.50	645				

HISTORICAL DATA: The 1943 and 1983 peaks are the highest known since 1900.

c Estimated.

f Discharge is an historical peak.

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

o Gage height below minimum recordable elevation for this water year.

# 02492350 East Hobolochitto Creek at Picayune, MS

## LOCATION:

Lat 30°32'05", long 89°40'30", in SW 1/4 sec.11, T.6 S., R.17 W., St. Stephens Meridian, Pearl River County, Hydrologic Unit 03180004, at bridge on U.S. Highway 11, 0.3 mi upstream from Southern Railroad bridge, and 0.7 mi northwest from Post Office in Picayune.

## GAGE:

Crest-stage gage. Datum of gage is 39.87 ft below sea level.

DRAINAGE AREA: 114 mi<sup>2</sup> SLOPE: 5.7 ft/mi LENGTH: 32.7 mi

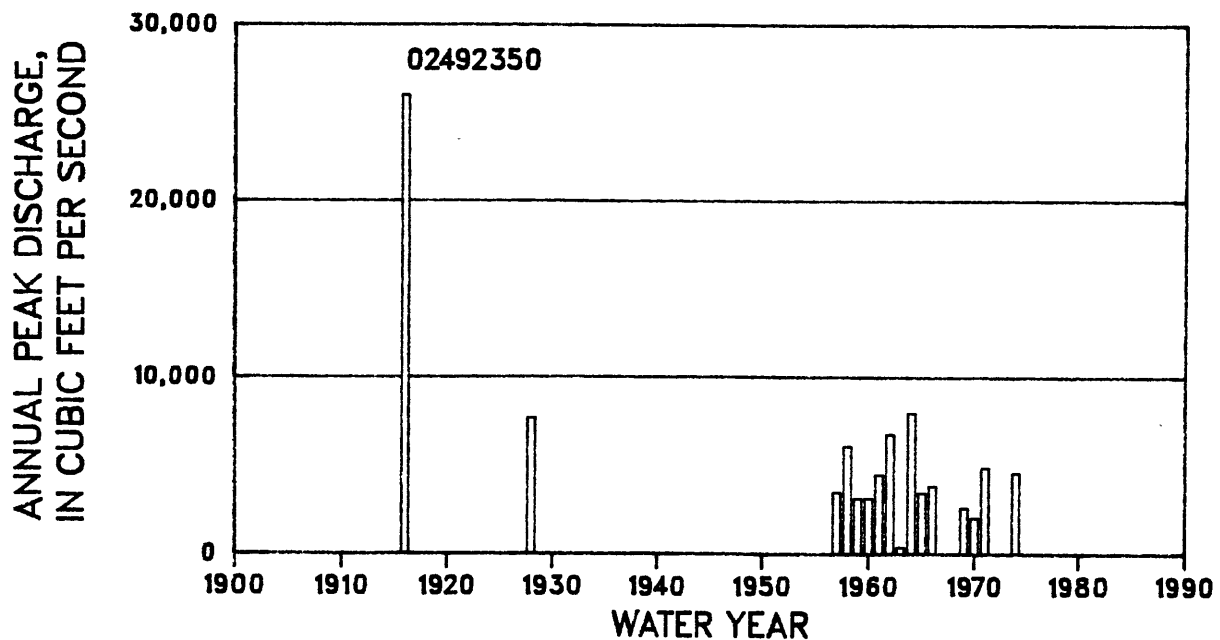
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.618  
STANDARD DEVIATION 0.188  
SKEW 0.596

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	3,980	5,870	7,380	9,600	11,500	13,700	16,100	19,800
REGIONAL	4,120	7,230	9,650	12,600	14,900	17,100	19,700	22,700
WEIGHTED	4,000	6,160	8,110	11,000	13,500	15,900	18,600	22,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	12	15	19	28	36	45	56	71
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	11	13	15	19	22	25	28	32

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 16

Graph of annual peak discharges is shown below.





## 02492350 East Hobolochitto Creek at Picayune, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1916	7/ /16	98.37	26,000 f	1963	unknown	80.70	400 c
1928	6/ 5/28	93.37	7,700 f	1964	4/26/64	88.58	8,000
1957	9/19/57	84.82	3,500	1965	1/23/65	84.76	3,460
1958	5/20/58	87.08	6,100	1966	2/15/66	85.14	3,860
1959	2/ 4/59	84.41	3,150	1969	8/18/69	83.86	2,600
1960	2/ 4/60	84.41	3,150	1970	unknown	--	2,050 h
1961	2/18/61	85.67	4,500	1971	10/ 7/70	86.00	4,900
1962	12/12/61	87.54	6,800	1974	4/14/74	85.76	4,600

HISTORICAL DATA: The 1916 peak is the highest known between 1916 and 1974.

c Estimated.

f Discharge is an historical peak.

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

# 02492360 West Hobolochitto Creek near McNeill, MS

## LOCATION:

Lat 30°39'42", long 89°41'10", in NW 1/4 NE 1/4 sec.34, T.4 S., R.17 W., St. Stephens Meridian, Pearl River County, Hydrologic Unit 03180004, at bridge on county highway, 0.2 mi downstream from Price Creek, and 3.1 mi west of McNeill.

## GAGE:

Crest-stage gage. Datum of gage is 55.64 ft above sea level. From July 1965, to September 1968, water-stage recorder.

DRAINAGE AREA: 175 mi<sup>2</sup> SLOPE: 5.2 ft/mi LENGTH: 33.9 mi

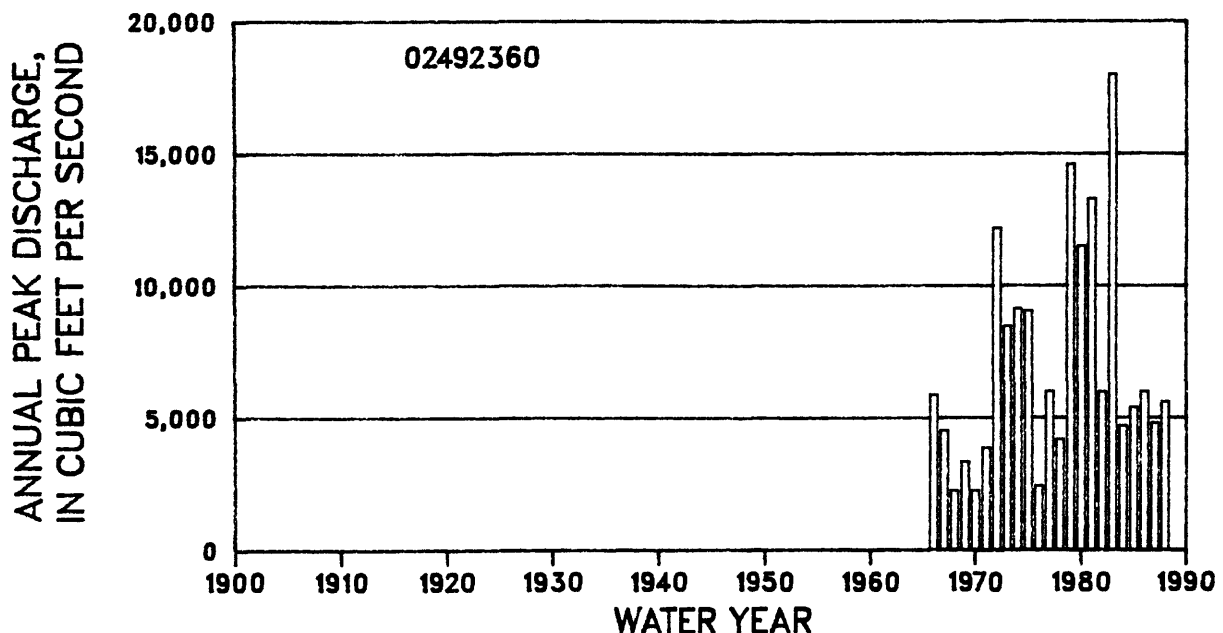
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.784  
STANDARD DEVIATION 0.253  
SKEW 0.053

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	6,050	9,910	12,900	17,000	20,400	24,100	28,000	33,700
REGIONAL	5,740	10,200	13,600	17,800	21,000	24,100	27,800	32,000
WEIGHTED	6,010	9,970	13,100	17,300	20,700	24,100	27,900	32,600

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	13	14	17	23	28	34	41	50
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	12	13	14	17	20	23	25	29

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 23

Graph of annual peak discharges is shown below.



## 02492360 West Hobolochitto Creek near McNeill, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1966	2/13/66	20.57	5,880	1978	5/ 8/78	18.25	4,190
1967	4/14/67	18.78	4,530	1979	4/ 4/79	22.58	14,600
1968	12/11/67	14.55	2,250	1980	4/12/80	21.94	11,500
1969	8/18/69	16.84	3,340	1981	2/12/81	22.29	13,300
1970	unknown	--	2,250 h	1982	3/31/82	20.19	5,980
1971	10/ 7/70	17.72	3,870	1983	4/ 7/83	23.25	18,000
1972	5/12/72	22.05	12,200	1984	2/27/84	19.03	4,700
1973	9/13/73	21.13	8,460	1985	8/16/85	18.02	5,400
1974	12/25/73	21.32	9,130	1986	10/30/85	18.51	6,000
1975	4/15/75	21.30	9,050	1987	2/28/87	17.44	4,800
1976	3/31/76	14.99	2,430	1988	3/ 4/88	18.21	5,600
1977	4/22/77	20.21	6,000				

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

# 03592718 Little Yellow Creek near Burnsville, MS

## LOCATION:

Lat 34°50'05", long 88°17'14", in SE 1/4 sec.7, T.3 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, on right bank at bridge on county road, and 2.0 mi east of Burnsville.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 429.51 ft above Mississippi State Highway Datum.

DRAINAGE AREA: 24.7 mi<sup>2</sup> SLOPE: 13.9 ft/mi LENGTH: 7.4 mi

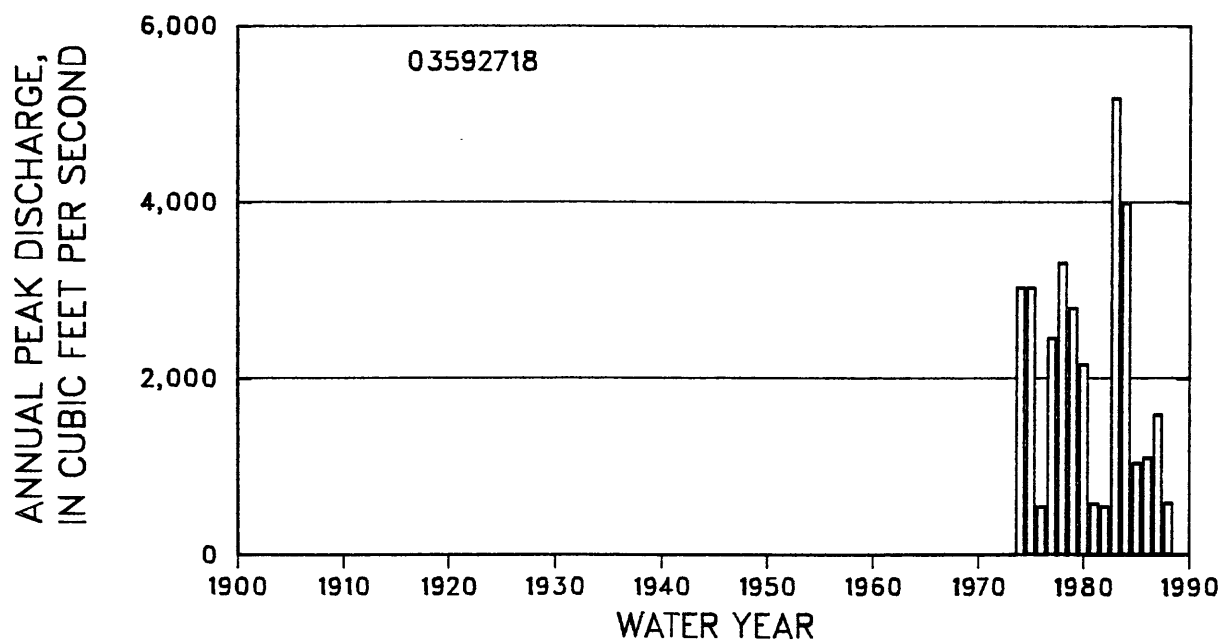
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.217  
STANDARD DEVIATION 0.343  
SKEW -0.093

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	1,670	3,210	4,500	6,400	8,020	9,800	11,800	14,600
REGIONAL	2,090	3,580	4,720	6,040	7,110	8,010	9,210	10,400
WEIGHTED	1,790	3,370	4,620	6,170	7,370	8,440	9,750	11,200

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	22	24	27	36	44	54	65	82
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	18	18	19	21	24	26	29	33

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 15

Graph of annual peak discharges is shown below.



## 03592718 Little Yellow Creek near Burnsville, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1974	1/10/74	19.06	3,030	1982	3/21/82	15.53	552
1975	3/13/75	19.06	3,030	1983	4/ 5/83	19.83	5,180 i
1976	2/18/76	16.54	550	1984	4/28/84	19.48	3,990
1977	3/ 4/77	18.77	2,460	1985	4/24/85	15.60	1,040
1978	5/ 8/78	19.19	3,310	1986	6/ 7/86	15.71	1,100
1979	4/12/79	18.95	2,800	1987	12/ 9/86	16.75	1,590
1980	3/17/80	18.60	2,160	1988	1/19/88	14.19	593
1981	2/ 1/81	15.79	583				

i Only annual maximum peak available for the water year.

# 03592800 Yellow Creek near Doskie, MS

## LOCATION:

Lat 34°54'02", long 88°17'35", in SW 1/4 sec.18, T.2 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, near right bank on downstream side of Moser Bridge on county road, 0.4 mi south of Doskie, and 5.8 mi northeast of Burnsville.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 421.12 ft above sea level. Prior to Dec. 8, 1937, nonrecording gage.

DRAINAGE AREA: 143 mi<sup>2</sup> SLOPE: 5.5 ft/mi LENGTH: 16.8 mi

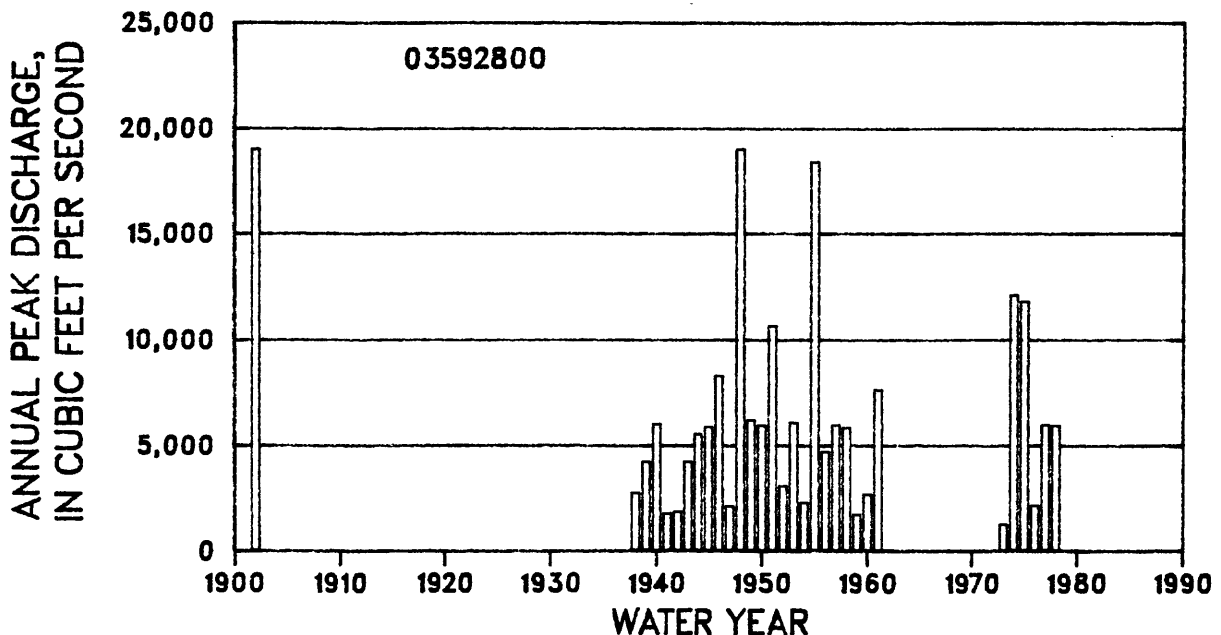
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.675  
STANDARD DEVIATION 0.301  
SKEW 0.004

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	4,730	8,480	11,500	15,900	19,700	23,800	28,300	34,900
REGIONAL	6,280	11,000	14,600	18,800	22,100	25,200	28,900	33,100
WEIGHTED	4,930	9,010	12,400	17,100	20,900	24,500	28,700	33,700

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	14	15	17	23	28	34	40	49
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	12	13	14	17	20	23	25	29

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 31

Graph of annual peak discharges is shown below.



## 03592800 Yellow Creek near Doskie, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1902	3/28/02	12.00	19,000 f	1953	2/12/53	8.37	6,090
1938	8/30/38	6.82	2,740	1954	1/22/54	7.18	2,280
1939	2/15/39	7.42	4,220	1955	3/22/55	11.66	18,400
1940	4/19/40	8.08	6,020	1956	2/ 4/56	8.21	4,700
1941	11/12/40	6.39	1,770	1957	2/ 1/57	8.64	5,980
1942	2/24/42	6.55	1,850	1958	11/14/57	8.60	5,850
1943	12/28/42	7.44	4,230	1959	1/22/59	7.06	1,720
1944	3/29/44	7.91	5,550	1960	3/ 3/60	7.45	2,680
1945	1/ 1/45	8.03	5,880	1961	3/ 8/61	9.13	7,630
1946	11/22/45	8.90	8,280	1973	5/28/73	9.20	1,240
1947	1/ 3/47	6.84	2,110	1974	1/11/74	12.59	12,100
1948	2/13/48	11.84	19,000	1975	3/14/75	12.31	11,800
1949	11/19/48	8.25	6,200	1976	2/19/76	9.73	2,140
1950	9/ 3/50	8.33	5,950	1977	3/ 4/77	10.92	5,980
1951	3/29/51	9.65	10,640	1978	11/30/77	--	5,940
1952	12/15/51	7.46	3,070				

HISTORICAL DATA: The 1902 and 1948 peaks are the highest known between 1902 and 1978.

f Discharge is an historical peak.

03593010 Chambers Creek near Kendrick, MS

LOCATION:

Lat 34°58'36", long 88°23'04", in SE 1/4 sec.19, T.1 S., R.9 E., Chickasaw Meridian, Alcorn County, Hydrologic Unit 06040001, at bridge on county road 0.5 mi north of Kendrick, and 1.5 mi upstream from Sevenmile Creek.

GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 403.00 ft above sea level. Prior to May 9, 1942, at site 0.9 mi downstream at datum 3.00 ft lower.

DRAINAGE AREA: 21.1 mi<sup>2</sup> SLOPE: 11.8 ft/mi LENGTH: 8.8 mi

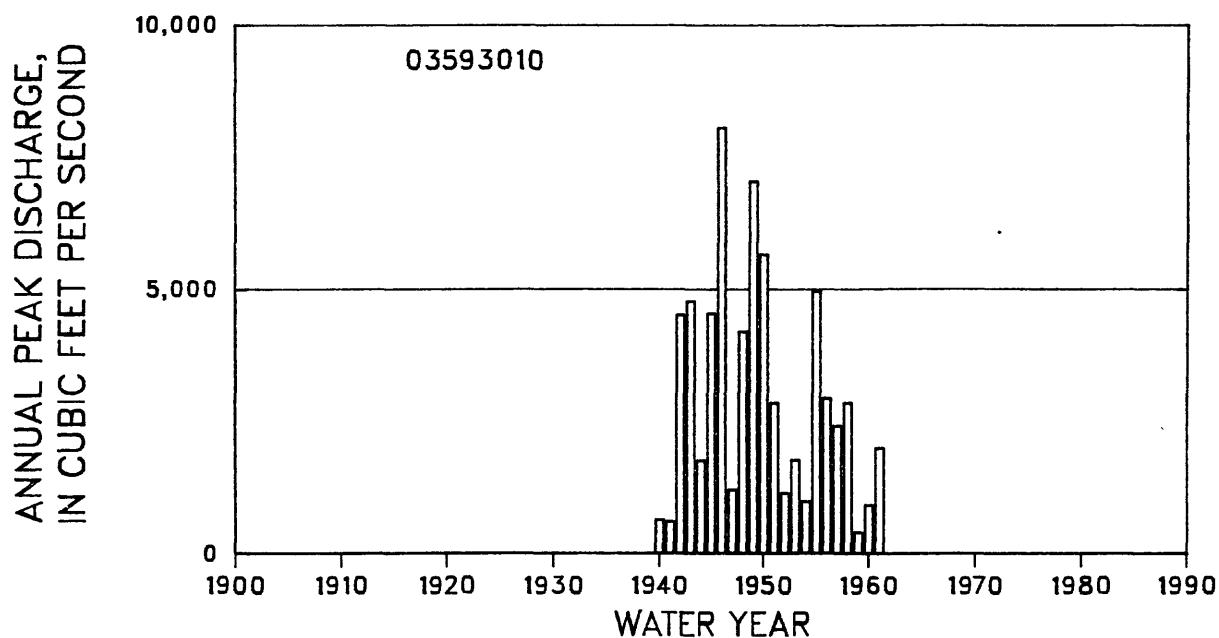
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.350  
STANDARD DEVIATION 0.368  
SKEW -0.220

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	2,310	4,610	6,490	9,240	11,500	14,000	16,700	20,500
REGIONAL	1,720	2,920	3,840	4,920	5,790	6,530	7,510	8,540
WEIGHTED	2,140	3,910	5,160	6,570	7,580	8,480	9,590	10,800

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	20	20	23	29	36	44	53	65
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	17	16	17	20	22	25	28	32

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 22

Graph of annual peak discharges is shown below.





## 03593010 Chambers Creek near Kendrick, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1940	3/13/40	5.65 a	652	1951	1/ 3/51	8.29	2,850 c
1941	1/ 2/41	5.63 a	615	1952	12/15/51	7.53	1,150
1942	4/ 9/42	6.48 ab	4,520	1953	2/11/53	7.90	1,780 c
1943	12/27/42	8.86	4,780 c	1954	2/20/54	7.37	994
1944	3/27/44	7.86	1,770 c	1955	3/21/55	8.87	4,970
1945	1/ 1/45	8.80	4,550	1956	1/30/56	8.32	2,940
1946	1/ 7/46	9.70	8,060 c	1957	4/ 4/57	8.15	2,420
1947	11/17/46	7.75	1,220 c	1958	11/14/57	8.29	2,850
1948	2/13/48	8.70	4,205 c	1959	1/22/59	6.20	409
1949	11/19/48	9.44	7,050 c	1960	3/ 3/60	7.29	923
1950	9/ 2/50	9.05	5,660 c	1961	3/ 8/61	8.00	2,000

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

c Estimated.

# 07029252 Pool Branch near Ripley, MS

## LOCATION:

Lat 34°42'50", long 88°47'20", in NW 1/4 NW 1/4 sec.28, T.4 S., R.5 E., Chickasaw Meridian, Tippah County, Hydrologic Unit 08010207, at culvert on State Highway 4, and 10.1 mi east of Ripley.

## GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Oct. 1, 1971, rain-gage and and water-stage recorder also.

DRAINAGE AREA: 1.24 mi<sup>2</sup> SLOPE: 36.0 ft/mi LENGTH: 2.0 mi

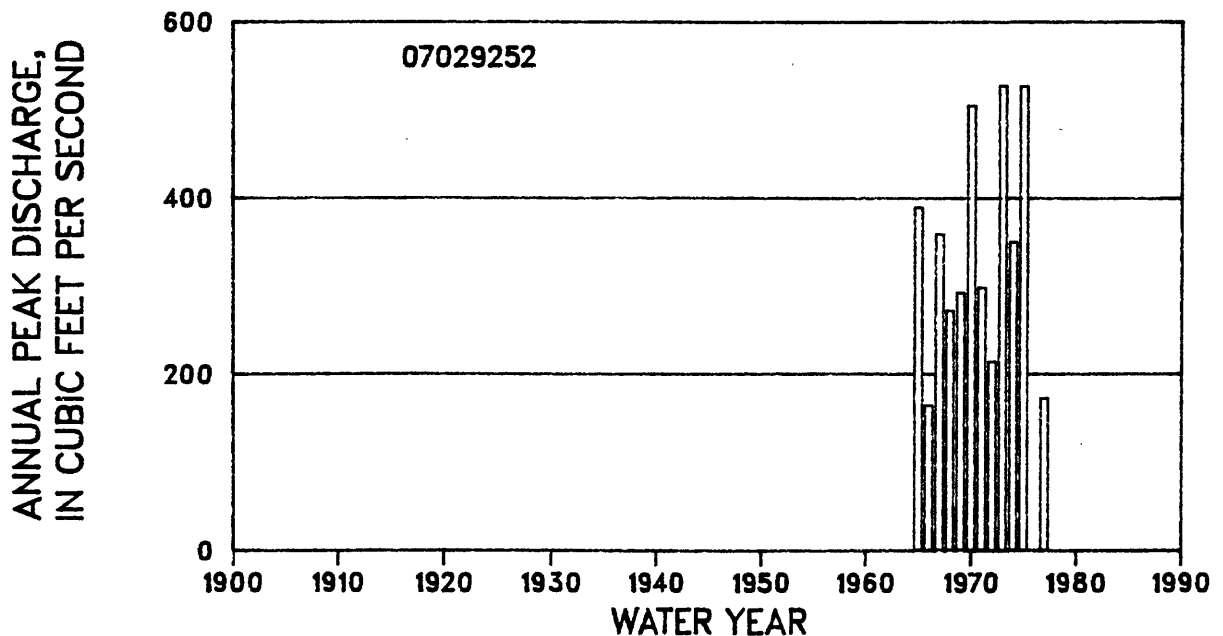
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.499  
STANDARD DEVIATION 0.175  
SKEW -0.089

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	317	444	527	632	709	786	863	966
REGIONAL	306	490	631	794	931	1,040	1,190	1,330
WEIGHTED	316	453	553	686	796	897	1,020	1,160

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	13	13	15	20	25	30	35	43
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	12	12	13	16	19	21	24	28

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 12

Graph of annual peak discharges is shown below.



## 07029252 Pool Branch near Ripley, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1965	7/ 4/65	4.44	389	1971	2/21/71	3.94	298
1966	7/ 7/66	3.27	164	1972	9/17/72	3.52	214
1967	11/ 9/66	4.27	359	1973	0/ 0/73	5.24 d	527
1968	8/11/68	3.81	272	1974	11/27/73	5.74	350
1969	10/ 6/68	3.91	292	1975	11/19/74	5.24	526
1970	4/17/70	5.11	504	1977	10/16/76	3.31 d	172

d Gage height not the maximum for the water year.

# 07029270 Hatchie River near Walnut, MS

## LOCATION:

Lat 34°56'37", long 88°47'07", NW 1/4 sec.4, T.2 S., R.5 E., Chickasaw Meridian, Alcorn County, Hydrologic Unit 08010207, at bridge on U.S. Highway 72, and 6.5 mi east of Walnut.

## GAGE:

Continuous-discharge gage, water-stage recorder. Prior to 1949, nonrecording gage. Datum of gage is 372.79 ft above sea level.

DRAINAGE AREA: 272 mi<sup>2</sup> SLOPE: 4.4 ft/mi LENGTH: 32.4 mi

## STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:

MEAN 3.849

STANDARD DEVIATION 0.271

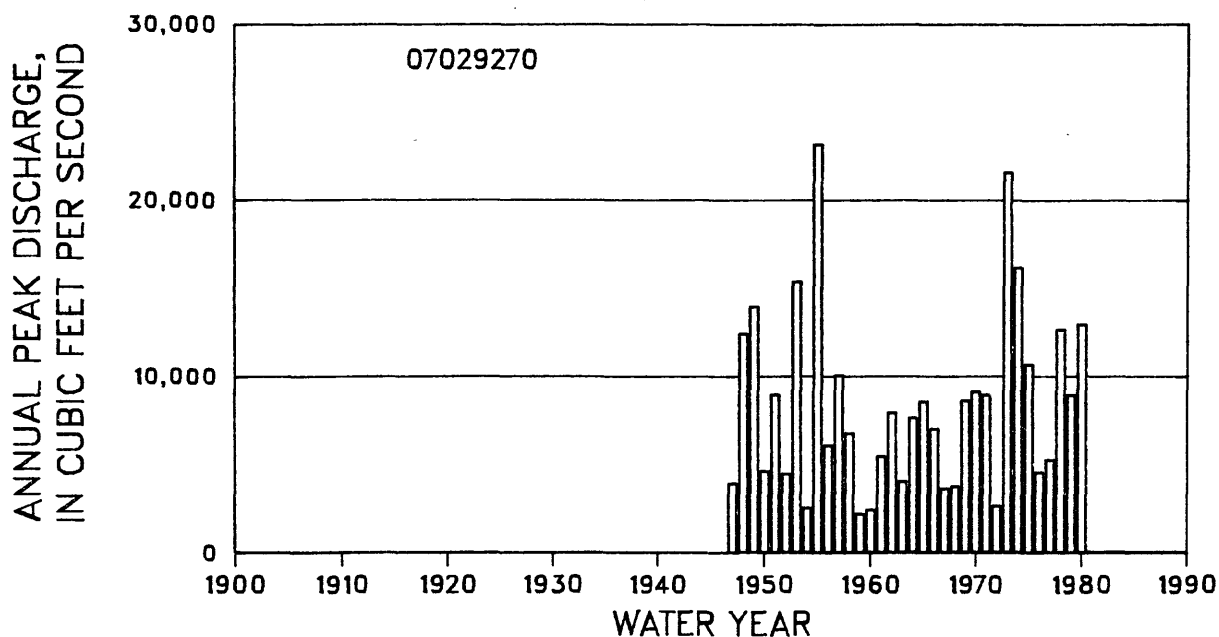
SKEW -0.058

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	7,110	12,000	15,700	20,800	25,000	29,400	34,100	40,700
REGIONAL	8,290	14,800	19,800	25,800	30,400	34,800	40,200	46,300
WEIGHTED	7,230	12,500	16,600	22,300	27,000	31,700	36,900	43,600

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	12	12	14	19	23	28	33	40
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	11	11	13	15	18	20	23	27

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 34

Graph of annual peak discharges is shown below.



## 07029270 Hatchie River near Walnut, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1947	1/ 4/47	23.40	3,940	1964	3/16/64	25.45	7,680
1948	2/13/48	29.00	12,450	1965	3/26/65	26.03	8,600
1949	11/20/48	30.00	14,000	1966	2/11/66	25.49	7,050
1950	3/14/50	23.98	4,650	1967	3/ 7/67	23.07	3,630
1951	3/29/51	26.75	9,000	1968	1/10/68	--	3,760 e
1952	1/29/52	23.85	4,490	1969	4/15/69	25.60	8,670
1953	7/23/53	30.40	15,400	1970	4/ 2/70	25.87	9,180
1954	1/23/54	22.48	2,550	1971	2/22/71	26.20	9,000
1955	3/22/55	30.70	23,200	1972	1/ 4/72	--	2,650
1956	2/ 5/56	24.93	6,120	1973	3/16/73	33.23	21,600
1957	2/ 2/57	27.10	10,100	1974	1/11/74	31.38	16,200
1958	11/15/57	25.88	6,810	1975	3/13/75	28.13	10,700
1959	6/12/59	22.05	2,200	1976	3/13/76	23.31	4,560
1960	3/ 4/60	22.60	2,440	1977	4/ 5/77	--	5,280 e
1961	3/ 9/61	25.00	5,480	1978	5/ 8/78	29.32	12,700
1962	2/27/62	24.62	7,980	1979	4/13/79	--	8,980 e
1963	5/28/63	23.70	4,040	1980	4/16/80	28.46	13,000

e Discharge is a maximum daily average.

# 07029300 Tuscumbia River Canal near Corinth, MS

## LOCATION:

Lat 34°55'56", long 88°36'00", on line between secs. 6 and 7, T.2 S., R.7 E., Chickasaw Meridian, Alcorn County, Hydrologic Unit 08010207, at bridge on U.S. Highway 72, and 4 mi west of Corinth.

## GAGE:

Continuous-discharge, water-stage recorder. Datum of gage is 380.91 ft above sea level.

DRAINAGE AREA: 278 mi<sup>2</sup>      SLOPE: 3.9 ft/mi      LENGTH: 25.1 mi

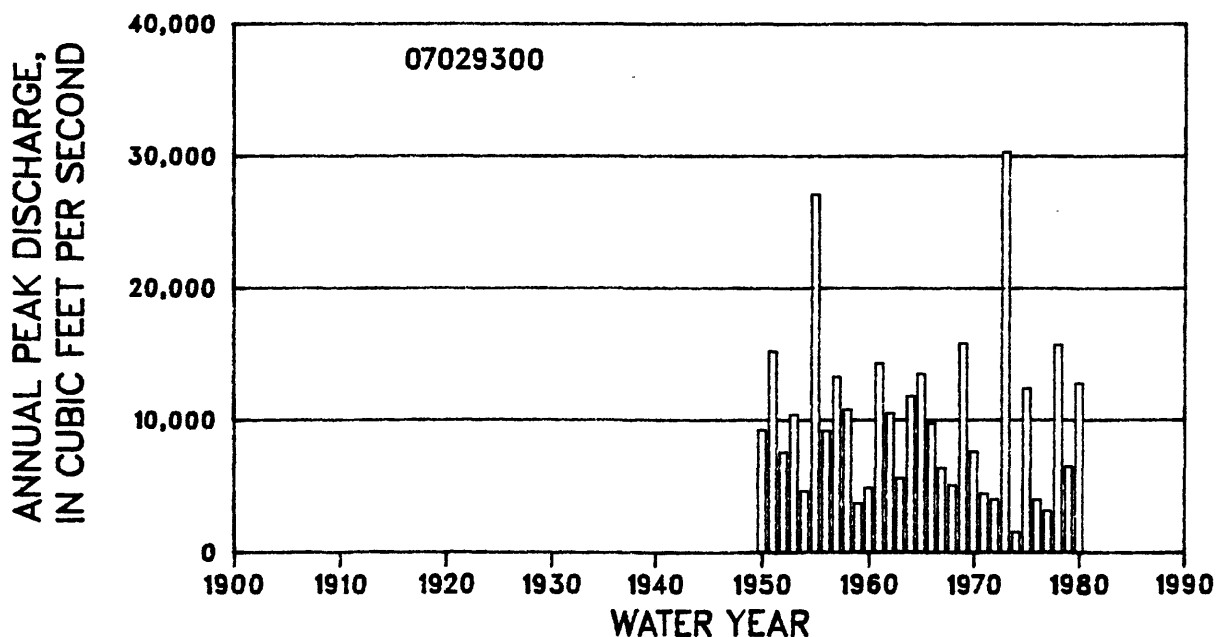
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN      3.930  
    STANDARD DEVIATION      0.260  
    SKEW      0.046

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	8,470	14,100	18,400	24,500	29,500	34,900	40,700	49,200
REGIONAL	9,220	16,300	21,800	28,200	33,100	37,800	43,400	49,900
WEIGHTED	8,550	14,500	19,200	25,800	31,000	36,300	42,100	49,600

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	12	13	15	20	25	30	35	43
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	11	12	13	16	19	21	24	28

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 31

Graph of annual peak discharges is shown below.



## 07029300 Tuscumbia River Canal near Corinth, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1950	9/ 3/50	12.95	9,230	1966	2/11/66	12.99	9,750
1951	3/29/51	14.20	15,200	1967	5/ 2/67	13.30	6,350
1952	1/28/52	12.65	7,570	1968	1/11/68	12.64 d	5,070
1953	2/12/53	13.05	10,400	1969	4/15/69	13.75	15,800
1954	1/23/54	12.15	4,640	1970	3/25/70	13.20	7,590
1955	3/22/55	15.70	27,100	1971	2/22/71	12.55	4,440
1956	2/ 4/56	13.02	9,170	1972	1/ 4/72	--	4,000
1957	2/ 1/57	14.10	13,300	1973	3/15/73	15.72	30,300
1958	11/15/57	13.60	10,800	1974	2/13/74	--	1,520
1959	2/15/59	12.00	3,710	1975	3/14/75	13.97	12,400
1960	3/ 3/60	12.35	4,880	1976	2/19/76	12.29	3,990
1961	3/ 9/61	13.90	14,300	1977	9/26/77	--	3,150
1962	2/27/62	13.53	10,500	1978	5/ 8/78	--	15,700
1963	5/28/63	12.74	5,580	1979	4/13/79	--	6,490
1964	3/16/64	13.84	11,800	1980	11/25/79	14.07	12,800
1965	3/26/65	13.90	13,500				

d Gage height not the maximum for the water year.

# 07029412 Hurricane Creek near Walnut, MS

## LOCATION:

Lat 34°55'31", long 88°54'13", in SE 1/4 NW 1/4 sec.8, T.2 S., R.4 E., Chickasaw Meridian, Tippah County, Hydrologic Unit 08010207, at bridge on State Highway 15, 0.5 mi upstream from Gulf Mobile and Ohio Railroad, 0.9 mi upstream from Muddy Creek, and 1.5 mi south of Walnut.

## GAGE:

Crest-stage gage. Datum of gage is assumed.

DRAINAGE AREA: 20.2 mi<sup>2</sup> SLOPE: 17.1 ft/mi LENGTH: 8.0 mi

## STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:

MEAN 3.156

STANDARD DEVIATION 0.051

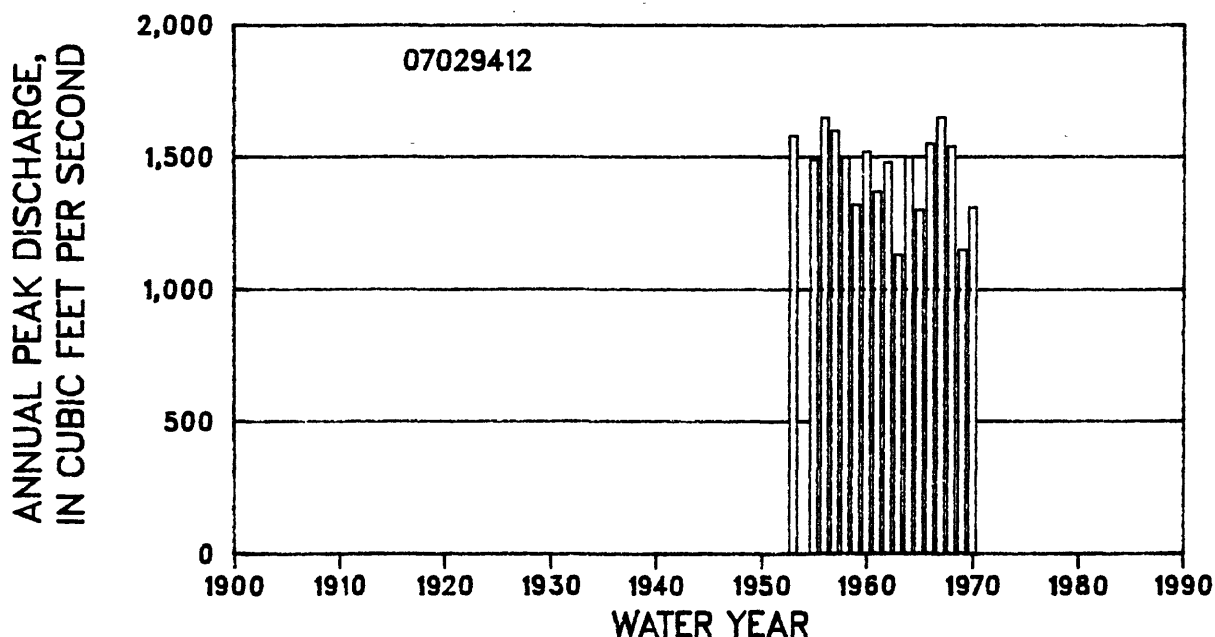
SKEW -0.351

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	1,440	1,580	1,660	1,730	1,780	1,820	1,860	1,910
REGIONAL	1,740	2,990	3,950	5,070	5,980	6,750	7,780	8,830
WEIGHTED	1,440	1,590	1,690	1,780	1,860	1,930	2,000	2,090

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	3	3	3	4	5	6	8	9
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	3	3	3	4	5	6	7	9

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 16

Graph of annual peak discharges is shown below.





## 07029412 Hurricane Creek near Walnut, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1953	7/21/53	20.64	1,580 f	1963	3/11/63	19.17	1,130
1955	3/21/55	20.39	1,490	1964	3/14/64	20.42	1,500
1956	2/ 4/56	20.83	1,650	1965	1/10/65	19.79	1,300
1957	4/ 4/57	20.72	1,600	1966	2/10/66	20.57	1,550
1958	11/16/57	20.42	1,500	1967	5/ 6/67	20.80	1,650
1959	3/ 4/59	19.93	1,320	1968	1/ 9/68	20.56	1,540
1960	10/23/59	20.49	1,520	1969	2/ 2/69	19.35	1,150
1961	unknown	20.03	1,370	1970	12/30/69	19.84	1,310
1962	2/23/62	20.32	1,480				

f Discharge is an historical peak.

07030365 Wesley Branch near Walnut, MS

LOCATION:

Lat 34°57'00", long 89°05'20", in SE 1/4 sec.33, T.1 S., R.2 E., Chickasaw Meridian, Benton County, Hydrologic Unit 08010210, at culvert on U.S. Highway 72, and 10.5 mi west of Walnut.

GAGE:

Crest-stage gage. Datum of gage is assumed. From May 7, 1965, to Oct. 1, 1973, rain-gage and water-stage recorders also.

DRAINAGE AREA: 2.17 mi<sup>2</sup> SLOPE: 63.5 ft/mi LENGTH: 2.4 mi

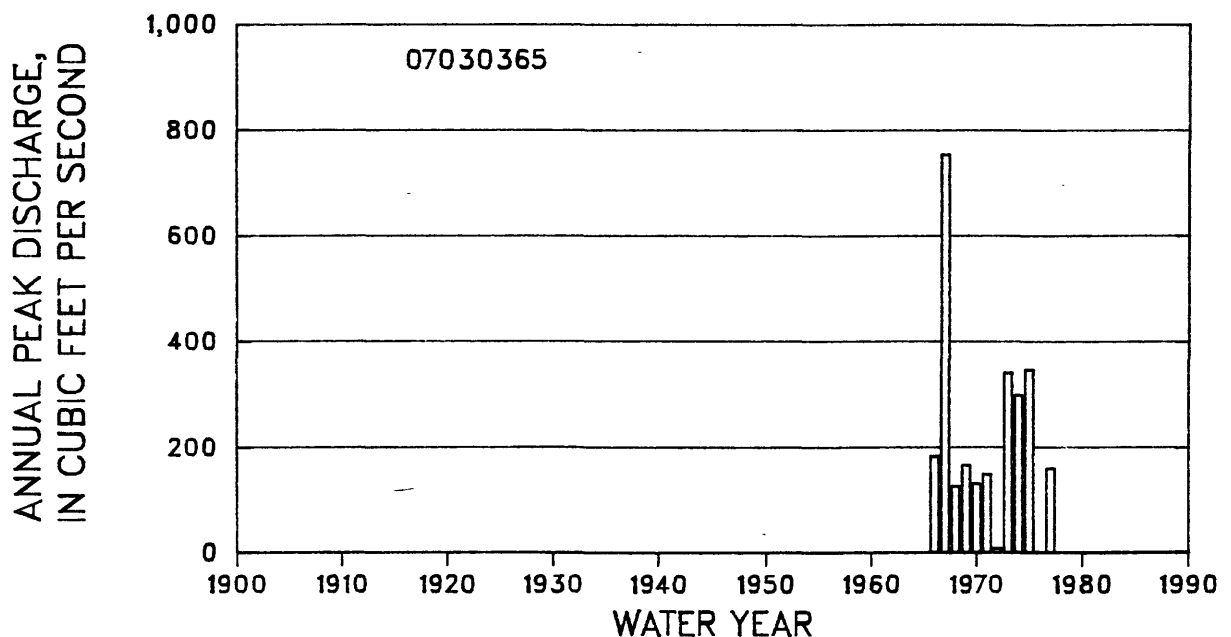
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.322  
STANDARD DEVIATION 0.261  
SKEW 0.093

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	208	346	455	611	741	882	1,040	1,260
REGIONAL	458	766	1,000	1,280	1,510	1,680	1,940	2,170
WEIGHTED	256	476	680	971	1,210	1,420	1,680	1,950

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	20	22	26	35	44	54	66	83
REGIONAL	34	27	26	27	29	31	34	38
WEIGHTED	17	17	18	21	24	26	29	33

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 11

Graph of annual peak discharges is shown below.



## 07030365 Wesley Branch near Walnut, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1966	2/10/66	4.01	184	1972	5/ 2/72	2.33	9
1967	7/ 5/67	6.84	755	1973	4/20/73	4.92	342
1968	3/11/68	3.61	127	1974	11/27/73	4.70	300
1969	8/18/69	3.90	167	1975	3/13/75	4.95	348
1970	12/29/69	3.65	132	1977	3/ 3/77	3.86	161
1971	2/21/71	3.78	150				

# 07266000 Cane Creek near New Albany, MS

## LOCATION:

Lat 34°34'20", long 88°57'20", in SE 1/4 SW 1/4 sec.11, T.6 S., R.3 E., Chickasaw Meridian, Union County, Hydrologic Unit 08030201, near right bank on downstream side of bridge on county highway, 450 ft upstream from Ellis Creek, 5.1 mi upstream from mouth, and 6.2 mi northeast of New Albany.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 356.74 ft above sea level. Prior to Mar. 31, 1939, nonrecording gage. From Mar. 31, 1939, to July 18, 1941, water-stage recorder. From June 15, 1950, to Oct. 7, 1955, water-stage recorder. From Dec. 10, 1955, to Sept. 30, 1962, water-stage recorder at site 600 ft downstream. Prior to Oct. 1, 1955, all gages at datum 10.00 ft higher.

DRAINAGE AREA: 22.2 mi<sup>2</sup> SLOPE: 12.8 ft/mi LENGTH: 9.7 mi

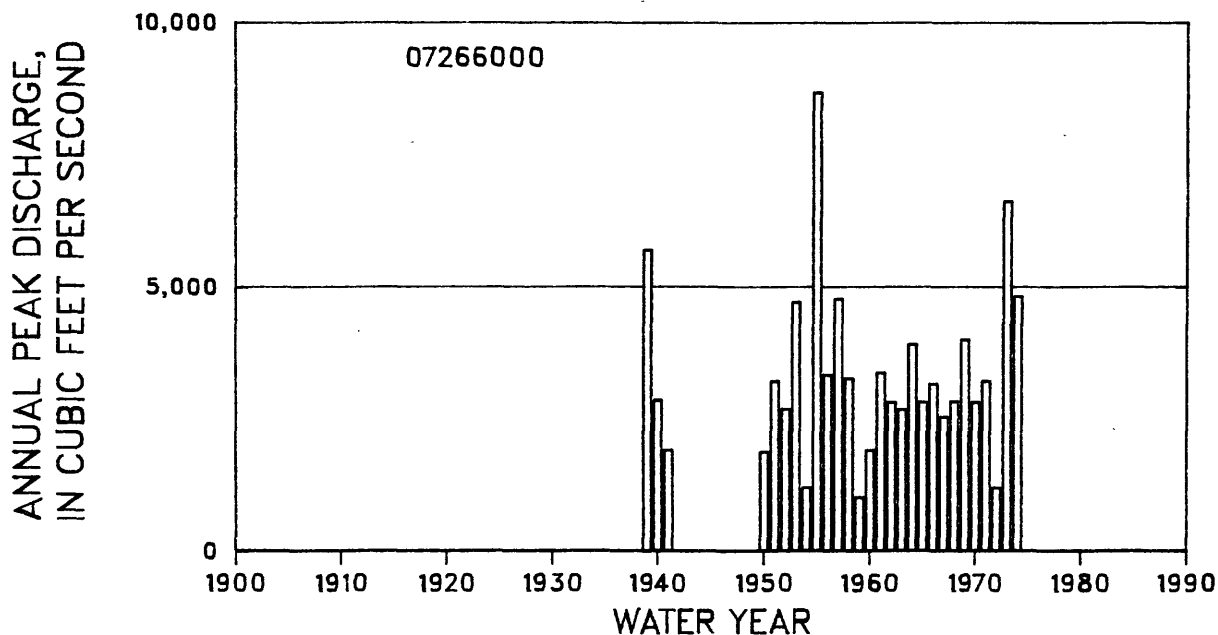
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.478  
STANDARD DEVIATION 0.213  
SKEW -0.107

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	3,030	4,550	5,600	6,960	7,990	9,040	10,100	11,600
REGIONAL	2,900	4,420	5,420	6,780	7,630	8,880	9,620	10,900
WEIGHTED	3,020	4,540	5,570	6,920	7,890	8,990	9,920	11,300

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	10	11	12	16	19	23	27	33
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	10	10	11	14	16	19	21	25

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 28

Graph of annual peak discharges is shown below.



## 07266000 Cane Creek near New Albany, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1939	5/22/39	8.43 a	5,700	1961	3/ 7/61	15.02 a	3,380
1940	4/ 4/40	7.55 a	2,860	1962	2/25/62	13.37 a	2,830
1941	6/29/41	7.16 a	1,920	1963	3/11/63	14.10	2,690
1950	3/27/50	7.59 a	1,890	1964	3/14/64	16.32	3,920
1951	3/28/51	8.20 a	3,220	1965	3/26/65	13.13	2,830
1952	1/27/52	7.99 a	2,700	1966	2/10/66	14.11	3,170
1953	7/21/53	8.45 a	4,720	1967	5/ 1/67	12.28	2,550
1954	1/22/54	7.42 a	1,220	1968	3/11/68	13.14	2,840
1955	3/21/55	9.08 a	8,680	1969	11/28/68	16.55	4,010
1956	2/ 4/56	11.89 ab	3,340	1970	11/18/69	13.12	2,830
1957	4/ 4/57	17.02 a	4,780	1971	2/22/71	14.25	3,220
1958	11/13/57	14.67 a	3,270	1972	1/ 1/72	8.30	1,210
1959	7/24/59	7.86 a	1,030	1973	3/15/73	18.00	6,630
1960	3/ 2/60	10.65 a	1,920	1974	11/27/73	15.33	4,830

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

# 07267000 Hell Creek near New Albany, MS

## LOCATION:

Lat 34°30'55", long 89°03'10", in SW 1/4 sec.36, T.6 S., R.2 E., Chickasaw Meridian, Union County, Hydrologic Unit 08030201, at bridge on U.S. Highway 78, 3.0 mi northwest of New Albany, and 4.5 mi upstream from mouth.

## GAGE:

Crest-stage gage. Datum of gage is 326.92 ft above sea level. From Feb. 1 to Sept. 30, 1939, nonrecording gage; from July 22, 1941, to Dec. 31, 1942, water-stage recorder. Crest-stage gage since Oct. 25, 1951.

DRAINAGE AREA: 26.8 mi<sup>2</sup> SLOPE: 8.6 ft/mi LENGTH: 12.7 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.624  
STANDARD DEVIATION 0.155  
SKEW -0.055

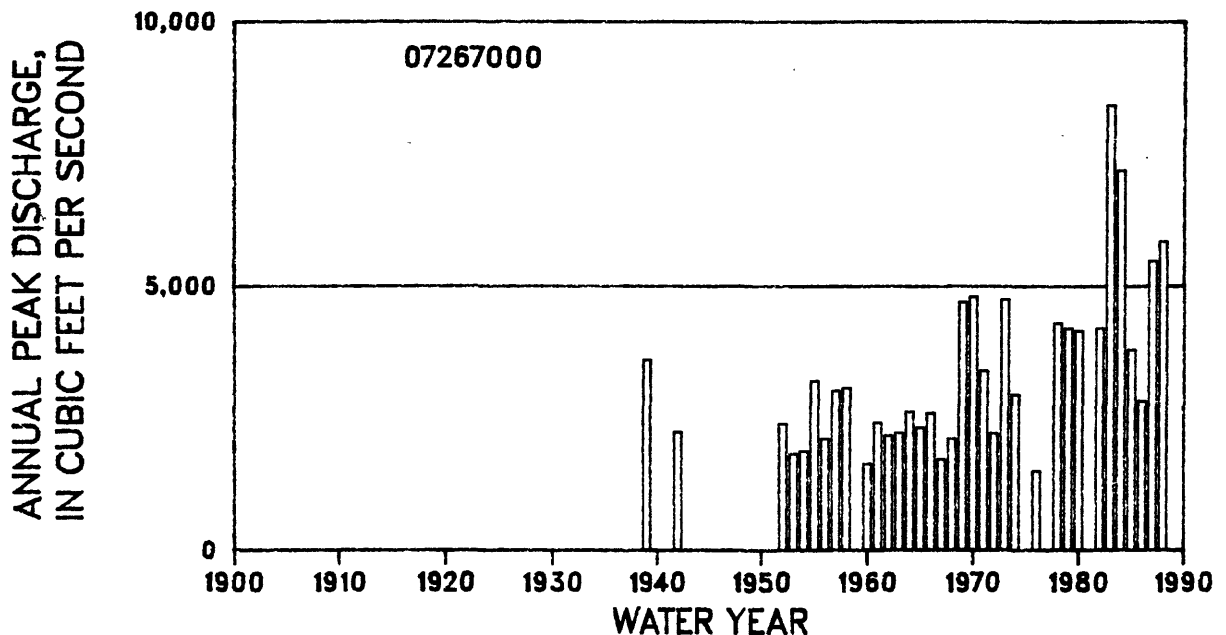
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	4,220	5,680	6,630	7,800	8,660	9,510	10,400	11,500

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	10	12	15	19	22	26	32

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 17

NOTE: The discharges are affected by channelization. The slope and length may not be fully representative of current conditions. The statistics of logarithms of annual peak discharge and the flood-frequency discharges are for current conditions. The discharges are unweighted station estimates, which may be more uncertain than is indicated by the standard error of estimate.

Graph of annual peak discharges is shown below.



## 07267000 Hell Creek near New Albany, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1939	6/17/39	16.73	3,600 f	1969	11/28/68	16.52	4,700 j
1942	4/ 9/42	15.80	2,240 f	1970	4/26/70	16.66	4,800 j
1952	1/27/52	16.23	2,400	1971	2/21/71	14.48	3,400 j
1953	2/20/53	14.96	1,830	1972	4/29/72	11.63	2,220 j
1954	1/21/54	15.12	1,880	1973	3/15/73	16.60	4,750 j
1955	3/21/55	17.32	3,210	1974	11/27/73	13.41	2,950 j
1956	2/ 4/56	15.72	2,120	1976	10/17/75	7.20	1,500 j
1957	4/ 4/57	17.06	3,030	1978	5/ 8/78	14.23	4,300 j
1958	11/15/57	17.16	3,080	1979	4/12/79	14.06	4,200 j
1960	3/ 2/60	14.34	1,640	1980	3/17/80	14.02	4,150 j
1961	3/ 8/61	16.27	2,420	1982	1/21/82	10.61	4,200 j
1962	12/18/61	15.84	2,180	1983	12/26/82	13.50	8,420 j
1963	7/17/63	15.94	2,230	1984	12/ 4/83	12.39	7,190 j
1964	3/14/64	16.57	2,630	1985	8/17/85	8.82	3,790 j
1965	3/27/65	16.12	2,330	1986	3/19/86	7.55	2,820 j
1966	2/10/66	16.53	2,600	1987	11/ 9/86	10.71	5,470 j
1967	5/ 6/67	14.59	1,720	1988	9/29/88	11.09	5,840 j
1968	3/11/68	15.71	2,120				

f Discharge is an historical peak.

j Discharge affected by urbanization or channelization.

07267150 Jones Creek tributary near New Albany, MS

LOCATION:

Lat 34°26'00", long 89°01'00", on line between NE 1/4 sec.31 and NW 1/4 sec.32  
T.7 S., R.3 E., Chickasaw Meridian, Union County, Hydrologic Unit 08030201, at culvert  
on State Highway 15, and 3.4 mi south of New Albany.

GAGE:

Crest-stage gage, and water-stage and rain-gage recorders. Datum of gage is assumed.

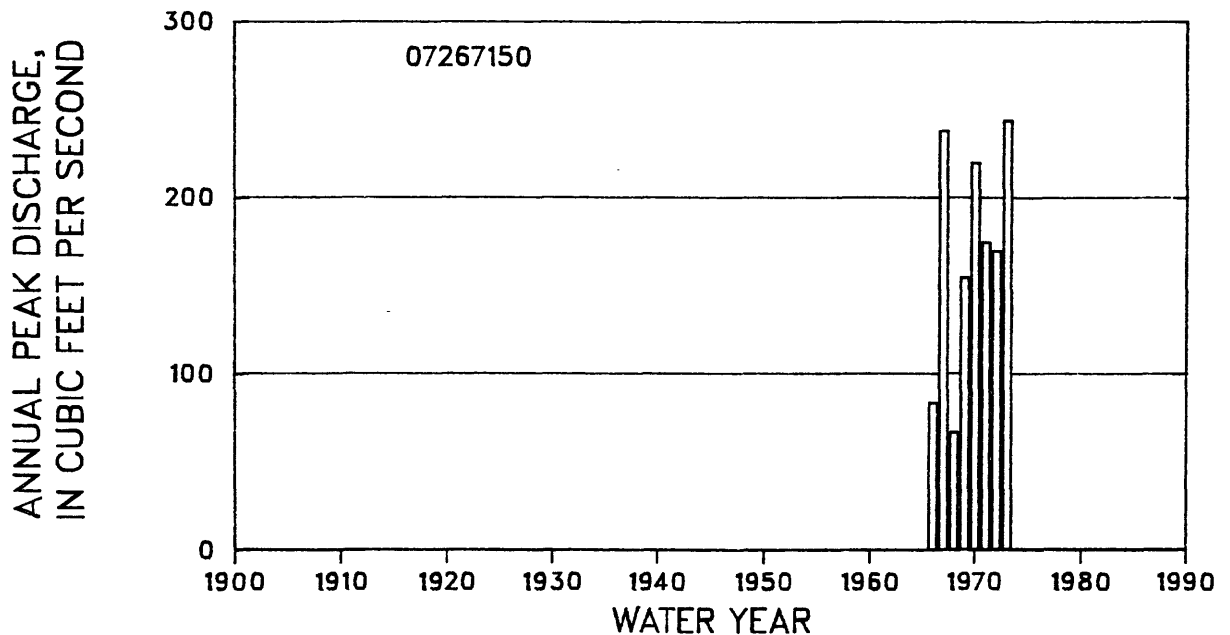
DRAINAGE AREA: 0.34 mi<sup>2</sup> SLOPE: 56.0 ft/mi LENGTH: 1.0 mi

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
REGIONAL	200	271	311	374	410	460	483	540

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
REGIONAL	35	31	30	31	32	34	36	39

NOTE: The systematic period of record is insufficient for station flood-frequency analysis; therefore, only regional flood-frequency discharges are presented in this report.

Graph of annual peak discharges is shown below.





07267150 Jones Creek tributary near New Albany, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1966	4/30/66	4.43	84	1970	5/11/70	6.52	220
1967	7/ 9/67	6.75	238	1971	7/29/71	5.92	175
1968	3/11/68	4.10	67	1972	9/27/72	5.85	170
1969	11/27/68	5.62	155	1973	5/27/73	6.83	244

# 07267200 Cracker Ditch near Pontotoc, MS

## LOCATION:

Lat 34°17'30", long 89°11'40", in SE 1/4 NW 1/4 NW 1/4 sec.22, T.9 S., R.1 E., Chickasaw Meridian, Pontotoc County, Hydrologic Unit 08030201, at culvert on State Highway 6, and 11 mi west of Pontotoc.

## GAGE:

Crest-stage gage. From May 26, 1965, to Sept. 14, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.23 mi<sup>2</sup> SLOPE: 91.6 ft/mi LENGTH: 0.8 mi

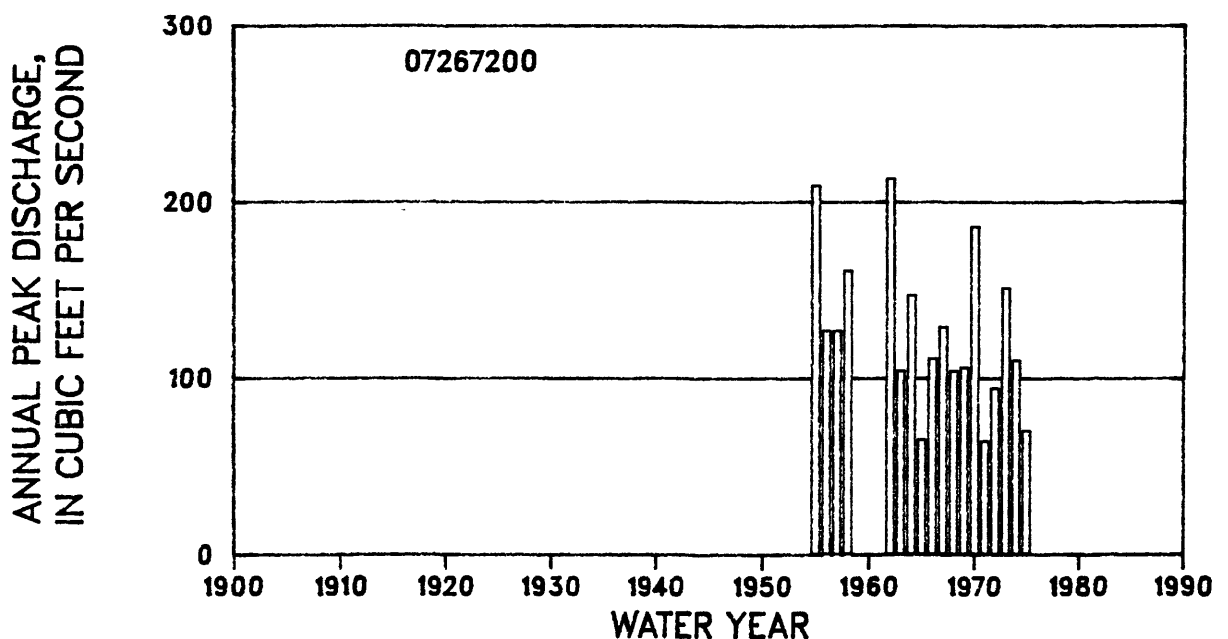
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.076  
STANDARD DEVIATION 0.157  
SKEW -0.113

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	120	162	188	221	245	268	291	320
REGIONAL	186	250	284	338	367	408	425	473
WEIGHTED	124	169	198	239	270	303	330	372

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	10	11	14	18	21	25	30
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	9	9	10	13	15	18	20	24

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 18

Graph of annual peak discharges is shown below.



## 07267200 Cracker Ditch near Pontotoc, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	3/21/55	7.01	209	1967	7/ 9/67	5.64	129
1956	4/30/56	5.59	127	1968	3/11/68	5.15	104
1957	unknown	5.59	127	1969	11/27/68	5.19	106
1958	9/20/58	6.22	161	1970	5/10/70	6.65	186
1962	4/11/62	7.08	213	1971	2/21/71	4.25	64
1963	3/11/63	5.14	104	1972	6/25/72	4.95	94
1964	3/14/64	5.96	147	1973	3/15/73	6.06	151
1965	3/26/65	4.28	65	1974	10/ 8/73	5.25	110
1966	2/10/66	5.28	111	1975	2/23/75	4.40	70

# 07268000 Little Tallahatchie River at Etta, MS

## LOCATION:

Lat 34°29'00", long 89°13'30", in SE 1/4 SW 1/4 sec.8, T.7 S., R.1 E., Chickasaw Meridian, Union County, Hydrologic Unit 08030201, on right bank at downstream side of bridge on State Highway 30, 0.8 mi northeast of Etta, 3.8 mi upstream from Puskus Creek, 5.0 mi downstream from Locks Creek, 12.3 mi west of New Albany, and 55.0 mi upstream from Panola-Quitman Floodway.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 273.48 ft above sea level. From Nov. 23, 1936, to May 31, 1937, nonrecording gage at datum 5.33 ft higher. From Sept. 24, 1938, to Sept. 30, 1952, at datum 5.00 ft higher than present datum.

DRAINAGE AREA: 526 mi<sup>2</sup>      SLOPE: 5.3 ft/mi      LENGTH: 32.0 mi

## STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:

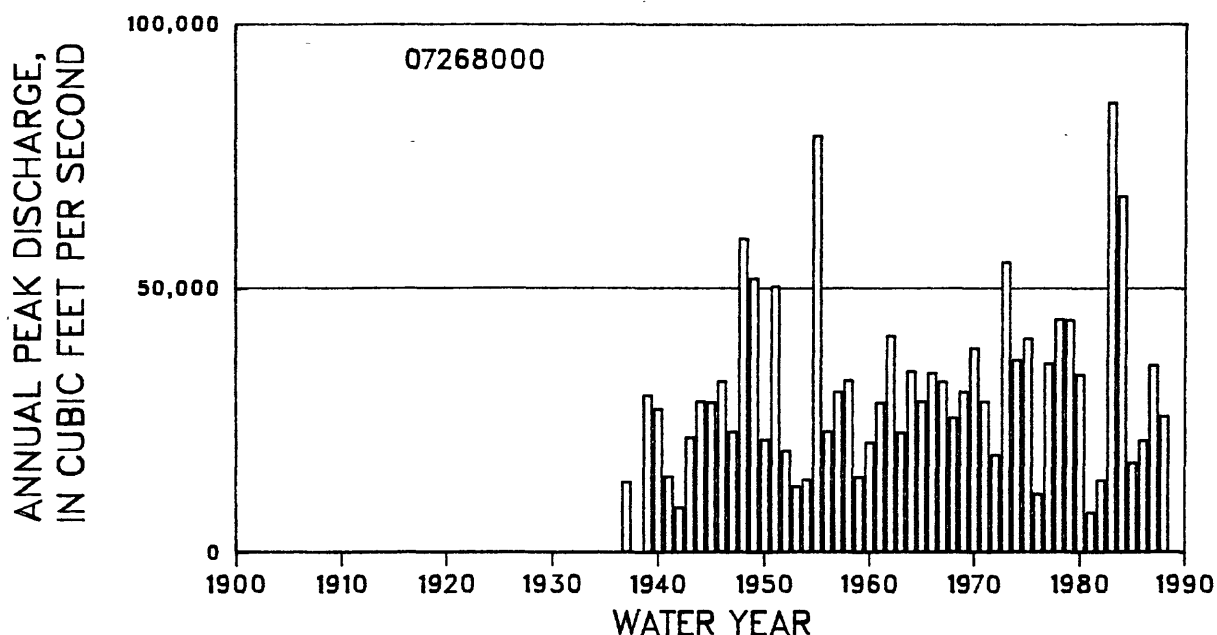
MEAN 4.439  
STANDARD DEVIATION 0.229  
SKEW -0.152

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	27,900	43,000	53,600	67,300	77,800	88,500	99,300	114,000
REGIONAL	26,300	44,700	58,500	77,200	89,100	106,000	117,000	134,000
WEIGHTED	27,800	43,100	54,000	68,600	79,800	92,200	104,000	120,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	8	8	9	12	15	18	21	26
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	8	8	9	11	13	16	18	21

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 51

Graph of annual peak discharges is shown below.



## 07268000 Little Tallahatchie River at Etta, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)		Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1937	1/ 3/37	18.10	ab	13,500	1964	3/15/64	25.64	34,400
1939	2/15/39	20.71	a	29,900	1965	3/26/65	25.04	28,700
1940	4/19/40	20.43	a	27,300	1966	2/10/66	25.61	34,100
1941	12/17/40	18.81	a	14,500	1967	5/ 7/67	25.45	32,500
1942	4/10/42	17.99	a	8,670	1968	3/12/68	24.70	25,600
1943	3/13/43	19.85	a	21,900	1969	11/28/68	25.25	30,600
1944	3/29/44	20.60	a	28,800	1970	5/11/70	26.08	38,800
1945	1/ 1/45	21.11	a	28,600	1971	2/22/71	25.04	28,700
1946	1/ 8/46	21.59	a	32,600	1972	1/ 2/72	23.83	18,600
1947	4/12/47	20.36	a	23,000	1973	3/16/73	27.54	55,000
1948	2/13/48	23.70	a	59,500	1974	11/28/73	25.86	36,600
1949	11/19/48	23.15	a	52,000	1975	3/30/75	26.56	40,700
1950	3/13/50	20.53	a	21,500	1976	3/27/76	23.40	11,200
1951	3/29/51	23.11	a	50,500	1977	3/ 4/77	26.16	35,900
1952	12/26/51	20.20	ab	19,400	1978	5/ 7/78	27.09	44,300
1953	2/21/53	21.66		12,600	1979	4/12/79	26.85	44,100
1954	1/22/54	22.41		13,900	1980	3/17/80	26.15	33,800
1955	3/22/55	29.32		79,000	1981	2/ 1/81	22.49	7,630
1956	2/ 4/56	23.89		23,100	1982	1/11/82	24.08	13,800
1957	2/ 1/57	24.93		30,600	1983	5/19/83	29.02	85,200
1958	11/14/57	25.62		32,700	1984	12/ 4/83	28.18	67,500
1959	6/11/59	22.35		14,400	1985	2/24/85	24.18	17,100
1960	3/ 3/60	23.64		21,000	1986	6/ 7/86	24.70	21,300
1961	3/ 8/61	24.80		28,500	1987	12/10/86	26.11	35,600
1962	4/12/62	26.20		41,100	1988	1/20/88	25.24	25,900
1963	3/12/63	23.86		22,800				

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

# 07268200 Fice Creek at Etta, MS

## LOCATION:

Lat 34°28'15", long 89°14'22", in SE 1/4 SW 1/4 sec.18, T.7 S., R.1 E., Chickasaw Meridian, Union County, Hydrologic Unit 08030201, at bridge on State Highway 30, 0.6 mi east from Lafayette-Union County line, and 0.8 mi west of Etta.

## GAGE:

Crest-stage gage. Datum of gage is assumed.

DRAINAGE AREA: 8.78 mi<sup>2</sup> SLOPE: 15.1 ft/mi LENGTH: 6.2 mi

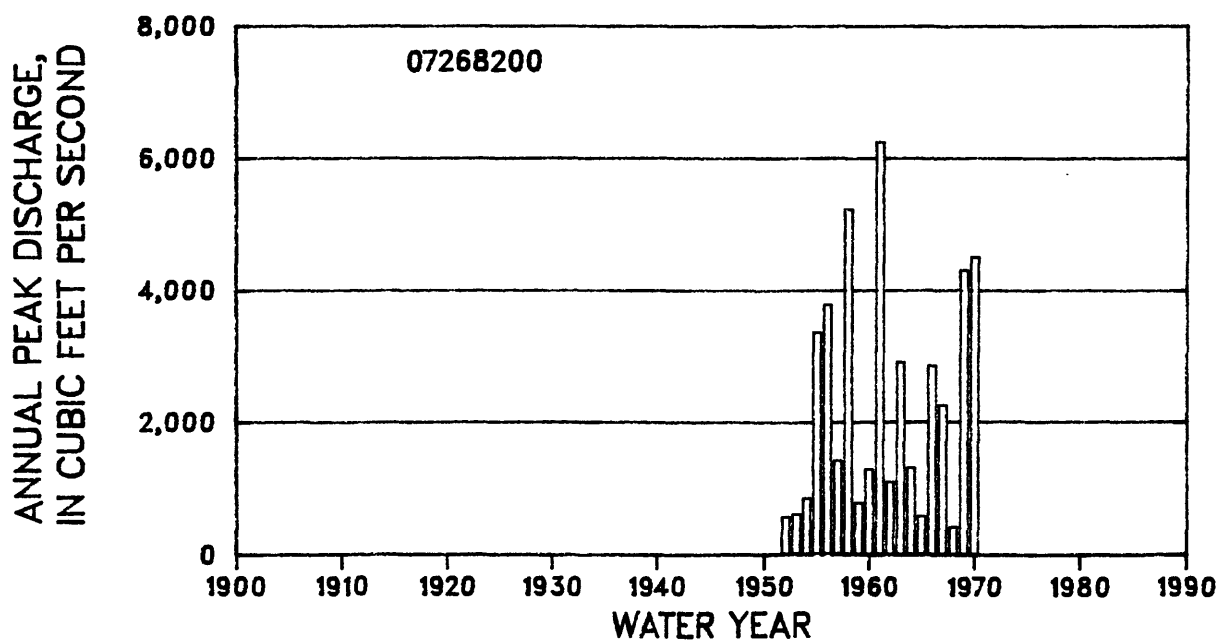
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.228  
STANDARD DEVIATION 0.374  
SKEW 0.052

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	1,680	3,480	5,120	7,750	10,100	12,900	16,200	21,300
REGIONAL	1,460	2,170	2,630	3,260	3,650	4,230	4,560	5,170
WEIGHTED	1,620	2,910	3,740	4,620	5,070	5,700	6,100	6,780

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	22	24	28	38	47	58	70	89
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	18	19	20	24	26	28	31	34

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 19

Graph of annual peak discharges is shown below.



## 07268200 Fice Creek at Etta, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1952	3/10/52	10.84	568	1962	4/11/62	11.42	1,100
1953	2/20/53	10.90	607	1963	4/29/63	12.32	2,900
1954	1/21/54	11.20	850	1964	4/27/64	11.55	1,310
1955	3/21/55	12.23	3,360	1965	1/10/65	10.86	581
1956	2/ 4/56	12.33	3,780	1966	2/10/66	12.27	2,850
1957	4/ 4/57	11.61	1,420	1967	5/ 6/67	12.08	2,250
1958	11/15/57	12.62	5,220	1968	1/ 9/68	10.56	417
1959	6/11/59	11.12	778	1969	11/28/68	13.34	4,300
1960	3/ 2/60	11.54	1,290	1970	5/11/70	13.51	4,500
1961	3/ 8/61	12.79	6,240				

# 07268500 Cypress Creek near Etta, MS

## LOCATION:

Lat 34°26'30", long 89°17'25", in SE 1/4 sec.27, T.7 S., R.1 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030201, at bridge on State Highway 30, 4.5 mi southwest of Etta, and 5.0 mi upstream from mouth.

## GAGE:

Crest-stage gage. Datum of gage is 319.90 ft above sea level. Prior to Oct. 1, 1965, at datum 10.00 ft higher. Water-stage recorder from February 1942, to December 1942.

DRAINAGE AREA: 28.5 mi<sup>2</sup> SLOPE: 9.4 ft/mi LENGTH: 8.8 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.675  
STANDARD DEVIATION 0.254  
SKEW -0.233

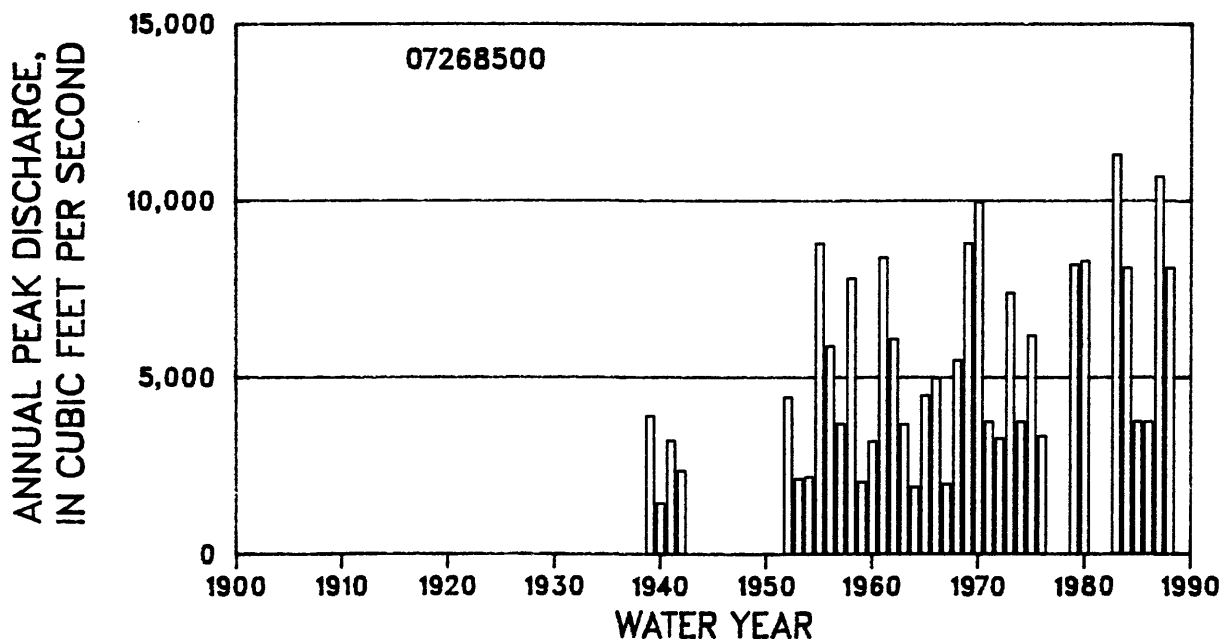
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	4,850	7,790	9,870	12,600	14,600	16,700	18,800	21,700

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	11	11	13	16	20	24	28	34

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 33

NOTE: The discharges are affected by channelization. The slope and length may not be fully representative of current conditions. The statistics of logarithms of annual peak discharge and the flood-frequency discharges are for current conditions. The discharges are unweighted station estimates.

Graph of annual peak discharges is shown below.





## 07268500 Cypress Creek near Etta, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1939	6/17/39	10.12 a	3,920	1967	5/ 6/67	12.88	2,000 j
1940	3/13/40	9.20 a	1,460	1968	3/11/68	16.83	5,500 j
1941	12/16/40	9.93 a	3,220	1969	11/28/68	19.16	8,800 j
1942	4/ 9/42	9.54 a	2,380	1970	5/11/70	18.78	9,970 j
1952	12/26/51	10.46 a	4,450	1971	unknown	--	3,760 hj
1953	4/29/53	9.48 a	2,150	1972	4/29/72	11.89	3,280 j
1954	5/28/54	9.52 a	2,200	1973	3/15/73	16.33	7,400 j
1955	3/21/55	11.58 a	8,800	1974	unknown	--	3,760 hj
1956	2 4/56	10.88 a	5,900	1975	3/13/75	15.13	6,200 j
1957	7/ 1/57	10.19 a	3,700	1976	5/14/76	12.00	3,350 j
1958	11/14/57	11.35 a	7,800	1979	4/12/79	17.19	8,200 j
1959	1/15/59	9.44 a	2,060	1980	3/17/80	17.29	8,300 j
1960	3/ 2/60	10.00 a	3,200	1983	5/19/83	19.94	11,300 cj
1961	3/ 8/61	11.51 a	8,400	1984	5/ 8/84	17.01	8,100 j
1962	4/11/62	10.94 a	6,100	1985	2/24/85	--	3,760 hj
1963	3/11/63	10.19 a	3,680	1986	6/ 7/86	--	3,760 hj
1964	3/14/64	9.38 ab	1,920	1987	11/ 9/86	19.28	10,700 j
1965	3/ 1/65	16.87	4,500 j	1988	1/19/88	17.03	8,100 j
1966	2/10/66	16.68	5,000 j				

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

c Estimated.

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

j Discharge affected by urbanization or channelization.

# 07269000 North Tippah Creek near Ripley, MS

## LOCATION:

Lat 34°44'00", long 89°01'34", in SW 1/4 sec.18, T.4 S., R.3 E., Chickasaw Meridian, Tippah County, Hydrologic Unit 08030201, at bridge on State Highway 4, 2.0 upstream from Tippah Creek, and 5.5 mi west of Ripley.

## GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Mar. 13, 1939, nonrecording gage and from Mar. 13, 1939, to September 1942, water-stage recorder. Prior to Oct. 1, 1963, datum of gage was 10.0 ft higher.

DRAINAGE AREA: 19.3 mi<sup>2</sup> SLOPE: 16.1 ft/mi LENGTH: 7.7 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.602  
STANDARD DEVIATION 0.165  
SKEW -0.190

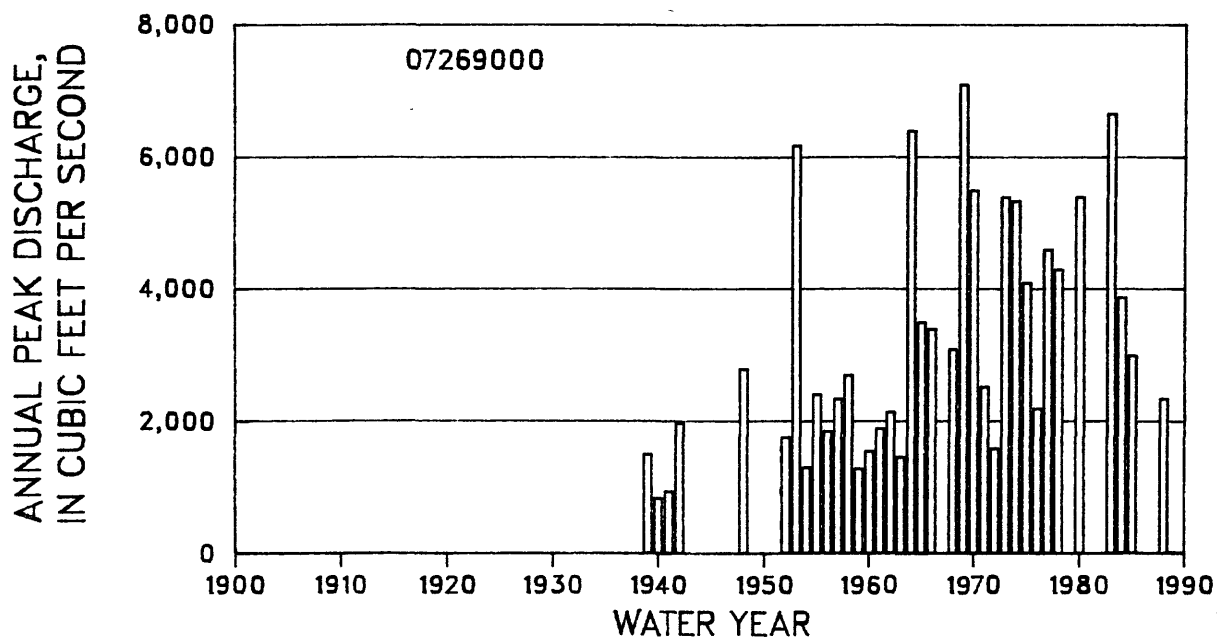
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	4,050	5,530	6,460	7,590	8,400	9,190	9,960	11,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	10	11	14	17	21	25	30

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 19

NOTE: The discharges are affected by channelization. The slope and length may not be fully representative of current conditions. The statistics of logarithms of annual peak discharge and the flood-frequency discharges are for current conditions. The discharges are unweighted station estimates, which may be more uncertain than is indicated by the standard error of estimate.

Graph of annual peak discharges is shown below.



## 07269000 North Tippah Creek near Ripley, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1939	6/17/39	11.40 a	1,510	1966	2/10/66	17.86	3,400 j
1940	4/18/40	10.23 a	845	1968	3/11/68	17.49	3,100 j
1941	12/16/40	10.47 a	945	1969	11/28/68	21.17	7,100 j
1942	4/ 9/42	11.53 a	1,980	1970	4/17/70	19.98	5,500 j
1948	unknown	12.10 a	2,800	1971	2/22/71	16.76	2,530 j
1952	1/27/52	11.59 a	1,770	1972	9/18/72	14.30	1,600 j
1953	7/21/53	13.63 a	6,180	1973	3/13/73	20.34	5,400 j
1954	2/20/54	11.14 a	1,310	1974	11/27/73	20.22	5,340 j
1955	3/21/55	12.10 a	2,420	1975	2/23/75	18.68	4,100 j
1956	2/ 4/56	11.67 a	1,860	1976	3/20/76	15.50	2,200 j
1957	4/ 4/57	12.05 a	2,350	1977	3/ 5/77	19.31	4,600 j
1958	11/16/57	12.29 a	2,710	1978	5/ 8/78	18.96	4,300 j
1959	2/13/59	11.12 a	1,290	1979	4/12/79	21.60	--
1960	3/ 2/60	11.40 a	1,560	1980	11/23/79	20.28	5,400 j
1961	3/ 8/61	11.70 a	1,900	1983	5/19/83	20.64	6,660 j
1962	12/14/61	11.90 a	2,150	1984	12/ 4/83	17.35	3,870 j
1963	3/11/63	11.31 ab	1,470	1985	5/ 8/85	15.81	3,000 j
1964	3/14/64	20.68	6,400 j	1988	5/24/88	14.41	2,350 j
1965	3/29/65	18.01	3,500 j				

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

j Discharge affected by urbanization or channelization.

07269990 Tippah Creek near Potts Camp, MS

LOCATION:

Lat 34°35'51", long 89°21'01", in NW 1/4 sec.6, T.6 S., R.1 W., Chickasaw Meridian, Marshall County, Hydrologic Unit 08030201, at bridge on county road, and 5 mi southwest of Potts Camp.

GAGE:

Continuous-stage gage, water-stage recorder. Datum of gage is 277.79 ft above sea level.

DRAINAGE AREA: 355 mi<sup>2</sup> SLOPE: 3.4 ft/mi LENGTH: 43.4 mi

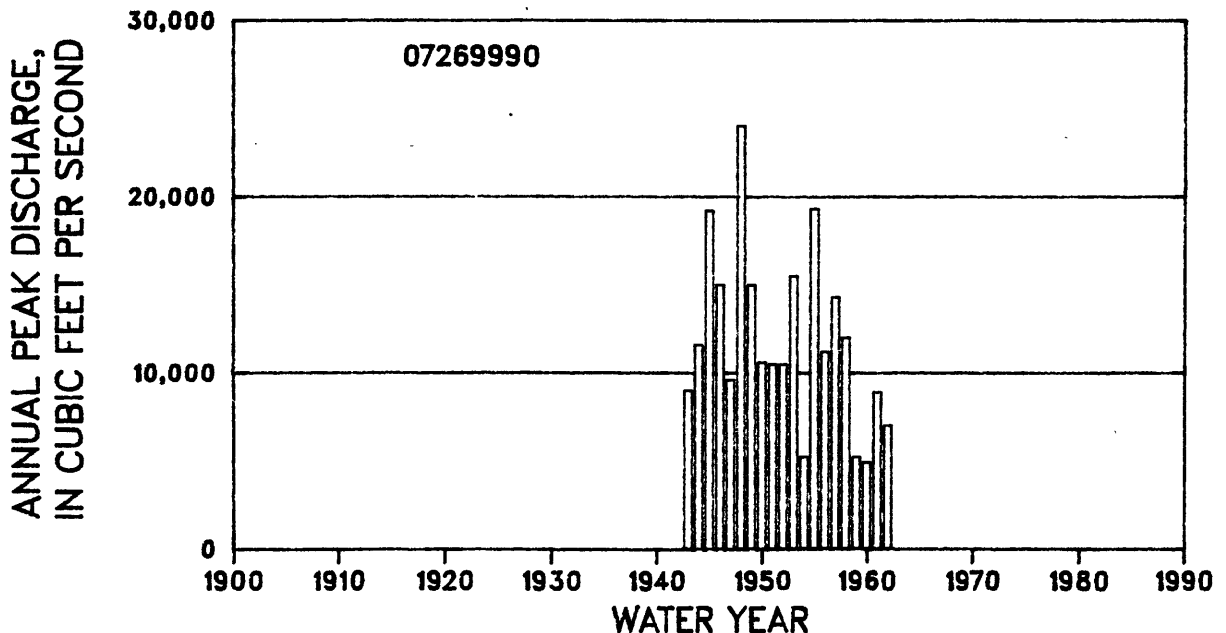
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.038  
STANDARD DEVIATION 0.192  
SKEW -0.239

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	11,100	15,900	19,000	22,800	25,600	28,200	30,900	34,300
REGIONAL	14,300	23,600	30,500	39,500	45,500	54,500	60,600	69,700
WEIGHTED	11,400	16,600	20,300	25,600	29,900	35,000	39,800	46,500

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	11	11	12	16	19	23	27	33
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	10	10	11	14	16	19	21	25

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 20

Graph of annual peak discharges is shown below.



## 07269990 Tippah Creek near Potts Camp, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1943	3/14/43	17.30	9,000	1964	3/16/64	16.60	--
1944	3/29/44	18.00	11,600	1965	12/ 4/64	17.00	--
1945	1/ 1/45	19.78	19,200	1966	2/10/66	9.10	--
1946	1/ 8/46	18.90	15,000	1967	7/ 9/67	16.20	--
1947	1/ 4/47	17.37	9,600	1968	3/12/68	15.30	--
1948	2/13/48	20.78	24,000	1969	11/28/68	18.00	--
1949	11/20/48	18.90	15,000 e	1970	4/ 2/70	19.13	--
1950	3/13/50	17.71	10,600	1971	2/22/71	17.08	--
1951	1/ 4/51	17.67	10,500	1972	7/ 3/72	16.30	--
1952	1/28/52	17.69	10,500	1973	3/15/73	19.96	--
1953	7/22/53	18.99	15,500	1974	11/27/73	19.60	--
1954	1/23/54	15.62	5,200	1975	3/13/75	19.80	--
1955	3/22/55	19.79	19,300	1976	2/18/76	16.55	--
1956	2/ 4/56	17.90	11,200	1977	3/ 4/77	19.40 q	--
1957	2/ 1/57	18.70	14,300	1978	5/ 7/78	21.13	--
1958	11/15/57	18.10	12,000	1979	4/ 2/79	20.00 q	--
1959	6/12/59	15.61	5,200	1980	11/25/79	19.50	--
1960	12/13/59	15.40	4,900	1981	3/31/81	17.00 q	--
1961	2/22/61	17.16	8,900	1982	3/21/82	17.80 q	--
1962	12/13/61	16.30	7,000	1983	5/19/83	20.80 q	--
1963	3/14/63	13.30	--				

e Discharge is a maximum daily average.

q Gage height is a daily reading and may not be the maximum gage height for the water year.

# 07271000 Clear Creek near Oxford, MS

## LOCATION:

Lat 34°21'20", long 89°39'30", in NW 1/4 SE 1/4 sec.30, T.8 S., R.4 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030201, near right bank on downstream side of pier of bridge on State Highway 6, 1.0 mi upstream from Hudson Creek, and 8.3 mi west of Oxford.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 273.47 ft above sea level. Prior to Oct. 1, 1962, at datum 2.00 ft higher.

DRAINAGE AREA: 10.4 mi<sup>2</sup> SLOPE: 25.4 ft/mi LENGTH: 4.2 mi

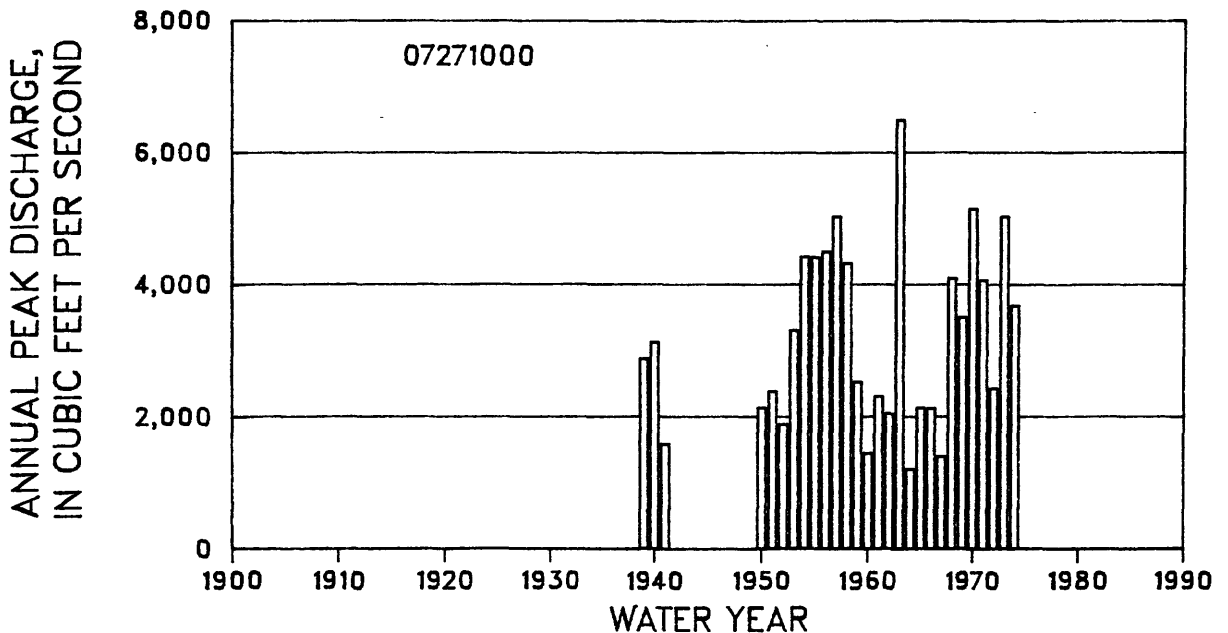
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.466  
STANDARD DEVIATION 0.195  
SKEW -0.153

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	2,960	4,280	5,170	6,270	7,100	7,910	8,730	9,820
REGIONAL	2,310	3,510	4,290	5,400	6,050	6,940	7,410	8,350
WEIGHTED	2,910	4,200	5,060	6,110	6,840	7,620	8,280	9,240

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	10	11	14	17	21	24	30
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	9	9	10	13	15	17	20	23

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 28

Graph of annual peak discharges is shown below.



## 07271000 Clear Creek near Oxford, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1939	6/27/39	8.70 a	2,890	1961	3/ 7/61	7.61 a	2,320
1940	7/12/40	9.17 a	3,140	1962	4/11/62	7.02 ab	2,060
1941	12/15/40	7.14 a	1,600	1963	4/29/63	14.34	6,500
1950	6/ 3/50	7.22 a	2,150	1964	7/12/64	7.32	1,220
1951	1/ 3/51	7.72 a	2,400	1965	2/11/65	9.22	2,150
1952	1/27/52	6.72 a	1,900	1966	4/30/66	9.19	2,140
1953	2/20/53	9.46 a	3,320	1967	12/28/66	7.74	1,410
1954	5/27/54	11.04 a	4,430	1968	5/14/68	12.57	4,100
1955	3/20/55	11.02 a	4,420	1969	11/27/68	11.75	3,520
1956	4/30/56	11.14 a	4,510	1970	3/19/70	13.73	5,160
1957	4/ 4/57	11.66 a	5,040	1971	2/21/71	12.53	4,070
1958	11/14/57	10.90 a	4,330	1972	6/25/72	9.81	2,440
1959	7/24/59	8.07 a	2,540	1973	3/14/73	13.66	5,040
1960	3/ 2/60	5.67 a	1,460	1974	5/15/74	11.98	3,690

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

07272500 Little Tallahatchie River at Sardis Dam, MS

LOCATION:

Lat 34°23'57", long 89°47'10", in NE 1/4 sec.11, T.8 S., R.6 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030102, in gatehouse of Sardis Dam, and 7.5 mi southeast of Sardis.

GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is sea level.

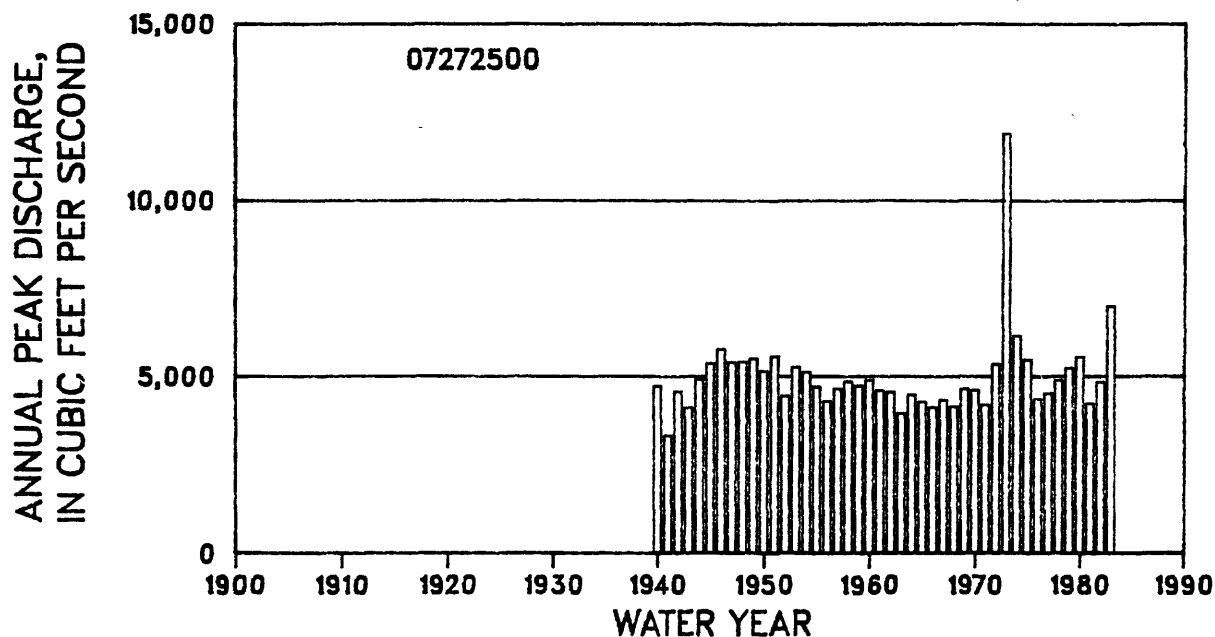
DRAINAGE AREA: 1,540 mi<sup>2</sup>      SLOPE: 2.9 ft/mi      LENGTH: 70.3 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:	MEAN	3.692
	STANDARD DEVIATION	--
	SKEW	--

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 19

NOTE: Discharges are substantially affected by the operation of Sardis Reservoir. Only the mean of logarithms of annual peak discharge for regulated conditions is presented. For additional information, contact the U.S. Army Corps of Engineers, Vicksburg District.

Graph of annual peak discharges is shown below.





## 07272500 Little Tallahatchie River at Sardis Dam, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1940	8/19/40	--	4,730 k	1962	4/19/62	--	4,570 k
1941	11/28/40	--	3,330 k	1963	10/25/62	--	3,970 k
1942	5/10/42	--	4,580 k	1964	9/16/64	--	4,500 k
1943	7/14/43	--	4,130 k	1965	4/13/65	--	4,300 k
1944	unknown	--	4,920 k	1966	5/24/66	--	4,140 k
1945	7/25/45	--	5,380 k	1967	8/18/67	--	4,350 k
1946	6/24/46	--	5,780 k	1968	5/29/68	--	4,170 k
1947	10/ 4/46	--	5,410 k	1969	10/24/68	--	4,660 k
1948	8/18/48	--	5,430 k	1970	5/29/70	--	4,630 k
1949	9/ 9/49	--	5,520 k	1971	10/ 6/70	--	4,210 ek
1950	6/ 8/50	--	5,160 k	1972	7/22/72	--	5,360 ek
1951	8/ 2/51	--	5,580 k	1973	4/28/73	--	11,900 ek
1952	6/23/52	--	4,470 k	1974	2/28/74	--	6,160 ek
1953	9/14/53	--	5,280 k	1975	3/ 3/75	--	5,480 k
1954	10/ 8/53	--	5,130 k	1976	10/30/75	--	4,370 ek
1955	9/26/55	--	4,710 k	1977	10/20/76	--	4,540 ek
1956	10/ 1/55	--	4,310 k	1978	10/21/77	--	4,900 k
1957	4/25/57	--	4,660 k	1979	9/ 6/79	--	5,250 ek
1958	2/ 4/58	--	4,860 k	1980	2/29/80	--	5,550 ek
1959	6/27/59	--	4,740 k	1981	12/25/80	--	4,250 ek
1960	4/12/60	--	4,900 k	1982	1/27/82	--	4,850 ek
1961	5/16/61	--	4,610 k	1983	2/25/83	--	7,000 ek

e Discharge is a maximum daily average.

k Discharge affected by regulation.

07273000 Little Tallahatchie River near Sardis, MS

LOCATION:

Lat 34°23'10", long 89°52'52", in NE 1/4 sec.13, T.8 S., R.7 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030102, at bridge on U.S. Highway 51, 3.5 mi upstream from Illinois Central Railroad bridge, 4 mi southeast of Sardis, and 9.5 mi downstream from Sardis Reservoir.

GAGE:

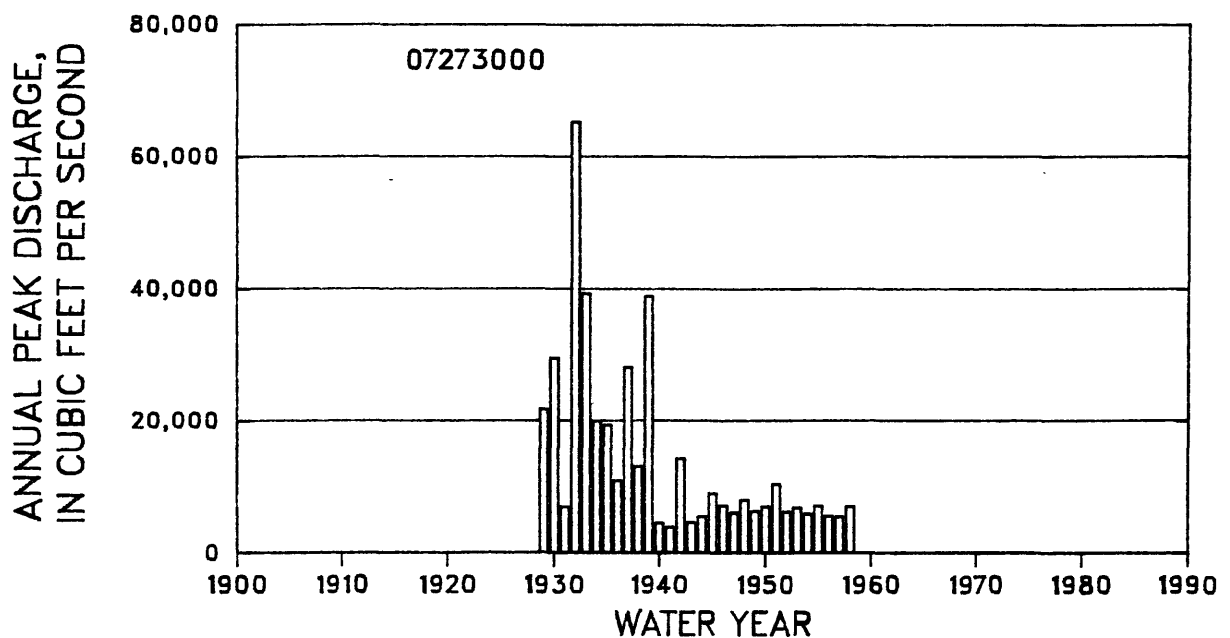
Continuous-discharge gage, water-stage recorder. Datum of gage is 187.84 ft above sea level. Prior to 1949, nonrecording gage.

DRAINAGE AREA: 1,600 mi<sup>2</sup>      SLOPE: 2.7 ft/mi      LENGTH: 77.9 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:	MEAN	3.825
	STANDARD DEVIATION	--
	SKEW	--

NOTE: Discharges are substantially affected by the operation of Sardis Reservoir. Only the mean of logarithms of annual peak discharge for regulated conditions is presented. For additional information, contact the U.S. Army Corps of Engineers, Vicksburg District.

Graph of annual peak discharges is shown below.



## 07273000 Tallahatchie River near Sardis, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1929	3/26/29	20.23	21,900	1945	12/31/44	15.80	9,100 k
1930	3/10/30	21.31	29,600	1946	7/ 8/46	14.10	7,200 k
1931	4/ 2/31	14.58	7,000	1947	4/11/47	12.82	6,200 k
1932	1/15/32	26.36	65,300	1948	2/13/48	14.98	8,100 k
1933	4/ 3/33	22.67	39,400	1949	1/ 3/49	13.16	6,400 k
1934	3/ 6/34	19.93	20,100	1950	3/13/50	14.03	7,100 k
1935	1/23/35	19.80	19,500	1951	1/ 3/51	16.70	10,500 k
1936	3/29/36	17.61	11,000	1952	1/27/52	12.90	6,300 k
1937	1/ 5/37	21.08	28,200	1953	5/ 4/53	13.72	6,900 k
1938	4/12/38	18.23	13,200	1954	5/28/54	12.50	6,000 k
1939	6/20/39	22.09	39,000	1955	3/21/55	14.10	7,200 k
1940	8/19/40	10.40	4,610 k	1956	4/ 6/56	12.11	5,700 k
1941	1/ 1/41	9.00	4,030 k	1957	2/ 1/57	12.00	5,600 k
1942	4/ 9/42	17.10	14,400 k	1958	11/14/57	14.00	7,100 k
1943	3/12/43	10.50	4,700 k	1959	2/12/59	11.60	--
1944	7/17/44	12.00	5,600 k	1960	3/ 2/60	12.92	--

k Discharge affected by regulation.

07273550 Little Tallahatchie River (Panola-Quitman  
Floodway) near Batesville, MS

LOCATION:

Lat 34°17'44", long 90°03'18", on South line of sec.17, T.9 S., R.8 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030102, at bridge on State Highway 6, and 6.4 mi west of Batesville.

GAGE:

Continuous-stage gage, water-stage recorder. Datum of gage is 163.46 ft above sea level. Prior to January 1946, nonrecording gage. Prior to June 26, 1941, at site 800 ft upstream.

DRAINAGE AREA: 1,770 mi<sup>2</sup> SLOPE: 2.3 ft/mi LENGTH: 94.8 mi

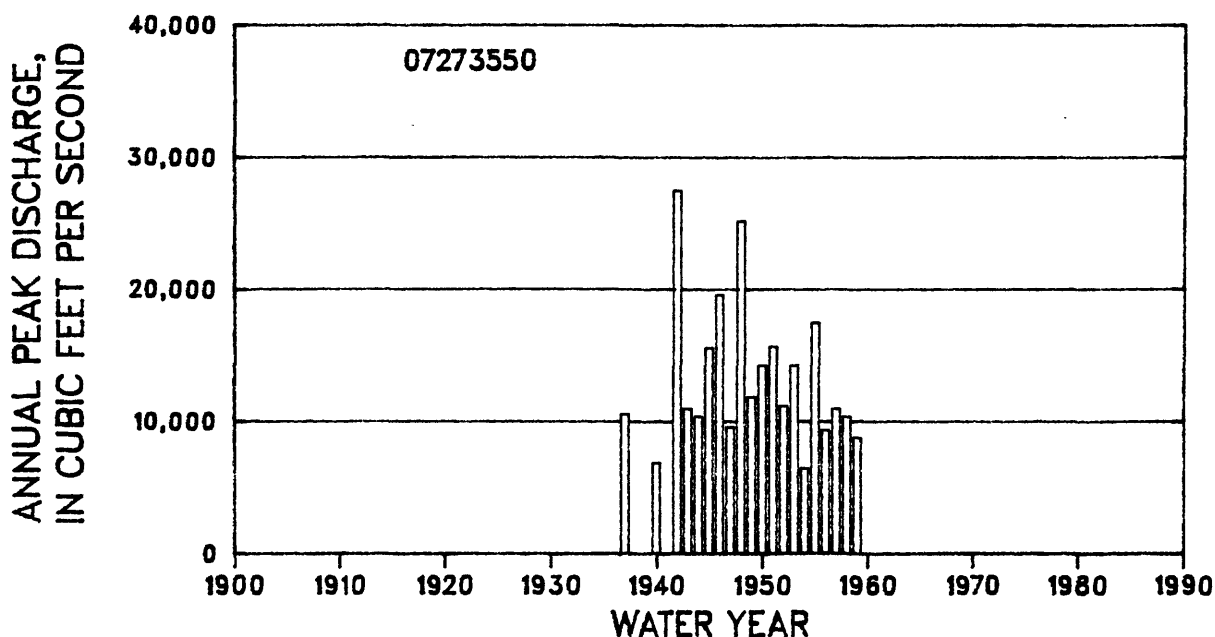
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.098  
STANDARD DEVIATION 0.169  
SKEW 0.400

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	12,200	17,200	21,000	26,100	30,300	34,800	39,600	46,600
T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	10	12	15	20	26	32	38	48

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 19

NOTE: The discharges are affected by regulation (Sardis Reservoir). The statistics of logarithms of annual peak discharge and flood-frequency discharges are for current conditions and are based on the pattern of regulation. If the pattern of regulation is altered, the flood-frequency for this station will be altered. The discharges are unweighted station estimates, which may be more uncertain than is indicated by the standard error of estimate. The logarithmic mean and standard deviation of the station record were computed after adjusting the record based on a correlation with long-term records at Station 07281000 using procedures described in Bulletin 17B (Interagency Advisory Committee on Water Data, 1982).

Graph of annual peak discharges is shown below.



07273550 Little Tallahatchie River (Panola-Quitman Floodway) near  
Batesville, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1937	1/ 9/37	18.00	10,600 f	1963	3/11/63	12.71	--
1940	4/18/40	14.91	6,890 k	1964	4/26/64	17.25	--
1942	4/ 9/42	21.16	27,500 k	1965	3/25/65	17.50	--
1943	3/13/43	18.20	11,000 k	1966	2/10/66	18.15	--
1944	3/28/44	17.60	10,400 k	1967	3/07/67	14.92	--
1945	12/31/44	19.98	15,600 k	1968	5/14/68	17.50 q	--
1946	7/ 8/46	19.36	19,600 k	1969	11/28/68	18.70	--
1947	1/30/47	17.33	9,600 k	1970	3/ 3/70	18.20	--
1948	2/13/48	20.12	25,200 k	1971	2/22/71	16.10	--
1949	1/ 3/49	18.52	11,900 k	1972	1/ 2/72	11.80 q	--
1950	3/13/50	19.35	14,300 k	1973	3/16/73	19.95	--
1951	1/ 3/51	19.66	15,700 k	1974	5/15/74	20.90	--
1952	3/10/52	18.30	11,200 k	1975	3/13/75	18.18	--
1953	5/ 4/53	19.36	14,300 k	1976	2/18/76	16.06	--
1954	5/13/54	15.15	6,500 k	1977	3/ 4/77	16.23	--
1955	3/21/55	20.00	17,500 k	1978	8/26/78	18.00 cq	--
1956	2/ 3/56	17.90	9,380 k	1979	4/12/79	16.90 q	--
1957	2/ 1/57	18.79	11,000 k	1980	3/17/80	17.50 q	--
1958	4/29/58	18.02	10,400 k	1981	6/ 6/81	13.90 q	--
1959	2/12/59	16.50	8,800 k	1982	2/ 9/82	13.40 q	--
1960	3/ 2/60	17.38	--	1983	10/ 7/82	19.10 q	--
1961	2/21/61	18.40	--	1984	5/ 3/84	15.60 q	--
1962	12/31/61	17.30	--				

c Estimated.

f Discharge is an historical peak.

k Discharge affected by regulation.

q Gage height is a daily reading and may not be the maximum gage height for the water year.

07274000 Yocona River near Oxford, MS

LOCATION:

Lat 34°16'23", long 89°31'11", in SE 1/4 NW 1/4 sec.28, T.9 S., R.3 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030203, near left bank on downstream end of pier cap of bridge on State Highway 7, 1.5 mi downstream from Burney Branch, 6 mi south of Oxford, and at mi 42.3.

GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 267.20 ft above sea level. Prior to Jan. 1, 1972, at datum 5.00 ft higher.

DRAINAGE AREA: 254 mi<sup>2</sup> SLOPE: 4.1 ft/mi LENGTH: 34.8 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.987  
STANDARD DEVIATION 0.289  
SKEW 0.111

ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft<sup>3</sup>/s)

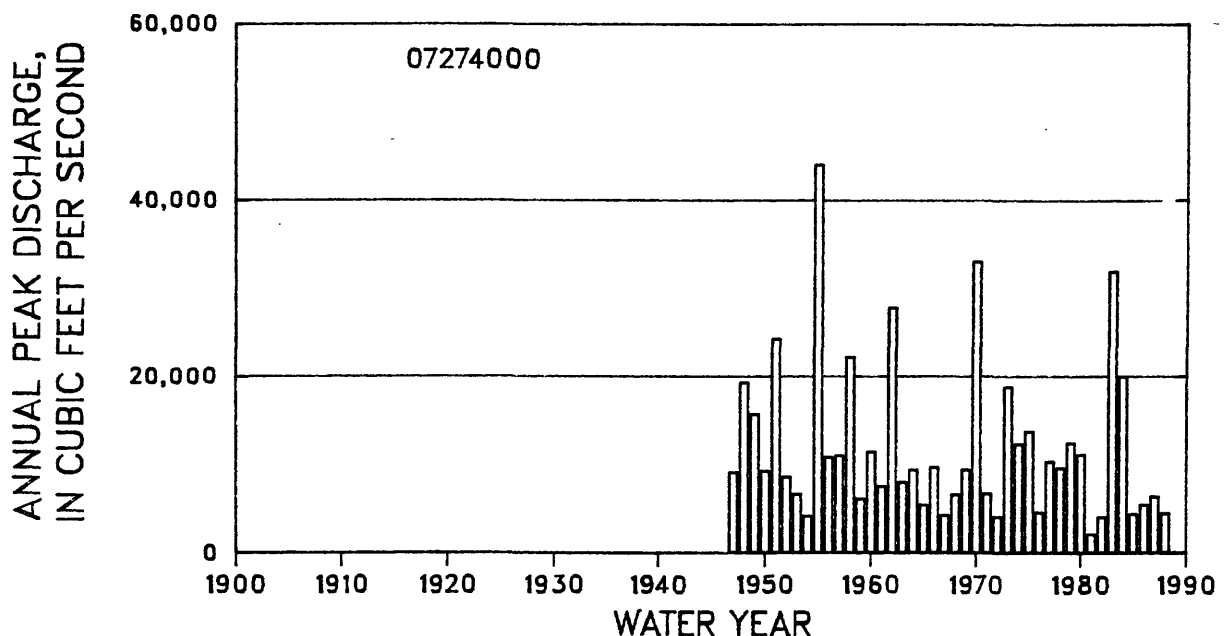
T	2	5	10	25	50	100	200	500
STATION	9,580	16,900	22,900	31,800	39,500	48,100	57,600	71,900
REGIONAL	12,000	19,700	25,300	32,600	37,500	44,700	49,600	56,900
WEIGHTED	9,800	17,300	23,400	32,000	38,700	46,600	53,500	63,200

STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE

T	2	5	10	25	50	100	200	500
STATION	11	12	15	20	25	30	35	43
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	11	11	13	17	19	22	25	28

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 42

Graph of annual peak discharges is shown below.



## 07274000 Yocona River near Oxford, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1947	4/11/47	21.78 a	9,210	1968	5/14/68	20.31 a	6,670
1948	2/13/48	22.60 a	19,400	1969	11/28/68	21.55 a	9,480
1949	1/ 4/49	22.23 a	15,800	1970	5/11/70	23.10 a	33,100
1950	3/13/50	21.46 a	9,350	1971	2/22/71	19.80 a	6,800
1951	3/29/51	23.10 a	24,400	1972	1/ 4/72	18.62 ab	4,150
1952	12/27/51	21.50 a	8,710	1973	3/16/73	27.51	18,900
1953	2/21/53	20.57 a	6,750	1974	11/27/73	26.80	12,400
1954	1/22/54	16.33 a	4,250	1975	3/13/75	26.97	13,800
1955	3/21/55	23.72 a	44,100	1976	1/ 3/76	20.39	4,660
1956	2/ 4/56	21.40 a	10,900	1977	3/ 4/77	26.50	10,400
1957	4/ 4/57	21.45 a	11,100	1978	5/ 8/78	26.33	9,710
1958	9/21/58	22.78 a	22,300	1979	4/12/79	26.82	12,500
1959	6/10/59	19.95 a	6,230	1980	3/21/80	26.61	11,200
1960	12/19/59	21.92 a	11,500	1981	3/30/81	12.33	2,190
1961	2/22/61	21.10 a	7,600	1982	8/28/82	17.99	4,120
1962	4/12/62	23.11 a	27,900	1983	12/26/82	28.38	32,000
1963	4/29/63	21.28 a	8,070	1984	12/ 4/83	27.54	20,100
1964	3/15/64	21.60 a	9,500	1985	2/24/85	18.74	4,480
1965	2/11/65	18.49 a	5,500	1986	6/ 6/86	21.61	5,560
1966	2/11/66	21.65 a	9,800	1987	2/28/87	24.00	6,500
1967	8/ 4/67	16.03 a	4,310	1988	1/19/88	19.23	4,580

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

07274250 Otoucalofa Creek at Water Valley, MS

LOCATION:

Lat 34°08'26", long 89°38'15", in SW 1/4 NE 1/4 sec.8, T.11 S., R.4 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08020203, at bridge on State Highway 7, 0.9 mi south of Water Valley, and 5.2 mi upstream from mouth.

GAGE:

Crest-stage gage. Datum of gage is 249.12 ft above sea level.

DRAINAGE AREA: 84.1 mi<sup>2</sup> SLOPE: 7.9 ft/mi LENGTH: 19.1 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.643  
STANDARD DEVIATION 0.239  
SKEW 0.251

ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft<sup>3</sup>/s)

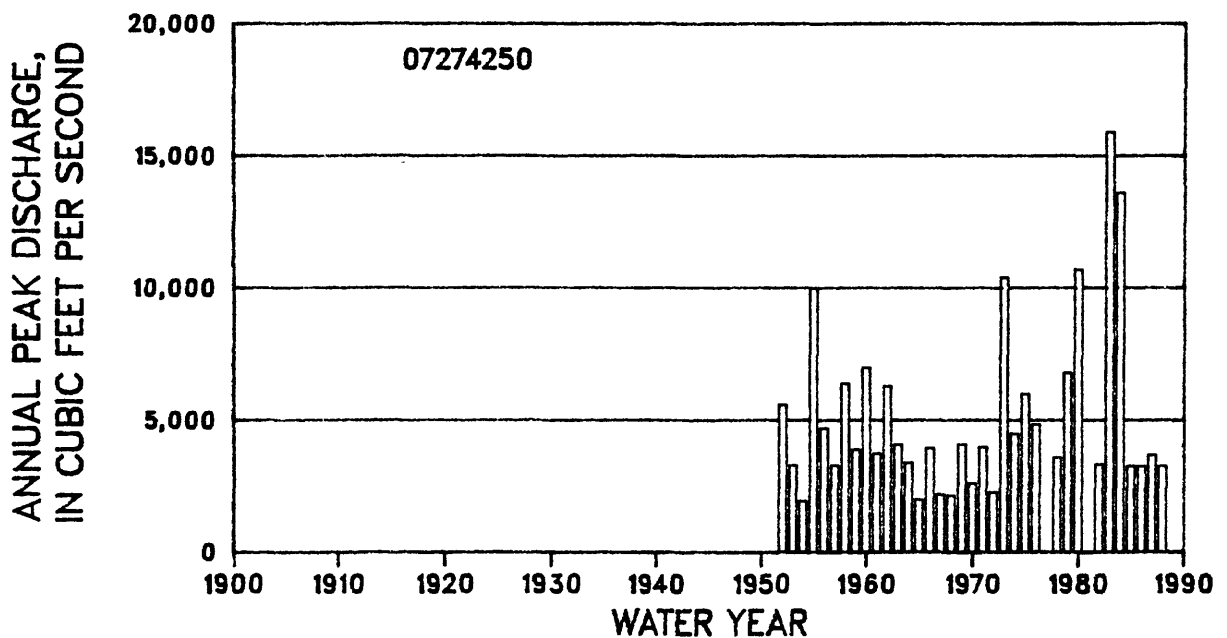
T	2	5	10	25	50	100	200	500
STATION	4,300	6,930	9,020	12,100	14,600	17,500	20,600	25,300
REGIONAL	6,790	10,800	13,500	17,200	19,500	23,000	25,100	28,600
WEIGHTED	4,470	7,340	9,740	13,400	16,300	19,700	22,700	27,100

STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE

T	2	5	10	25	50	100	200	500
STATION	10	12	14	20	24	30	35	44
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	10	11	13	16	19	22	25	28

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 35

Graph of annual peak discharges is shown below.





## 07274250 Otoucalofa Creek at Water Valley, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1952	12/23/51	25.90	5,600	1970	3/20/70	22.61	2,620
1953	2/20/53	23.84	3,300	1971	4/21/71	23.28	4,000
1954	1/20/54	20.75	1,950	1972	4/16/72	19.17	2,280
1955	3/21/55	27.36	10,000	1973	3/15/73	26.84	10,400
1956	2/ 4/56	25.49	4,700	1974	1/11/74	24.06	4,500
1957	9/14/57	23.84	3,300	1975	3/13/75	25.60	6,000
1958	9/20/58	26.30	6,400	1976	2/ 5/76	24.66	4,850
1959	6/11/59	24.53	3,900	1978	11/30/77	22.35	3,600
1960	12/27/59	26.56	7,000	1979	4/12/79	25.11	6,800
1961	2/21/61	24.45	3,750	1980	3/17/80	26.61	10,700
1962	4/11/62	26.25	6,300	1982	6/ 4/82	21.14	3,340
1963	3/11/63	24.80	4,080	1983	5/19/83	28.07	15,900
1964	3/14/64	23.92	3,400	1984	12/ 4/83	27.45	13,600
1965	2/12/65	21.00	2,000	1985	1/ 1/85	--	3,270 h
1966	2/10/66	24.61	3,950	1986	5/28/86	--	3,270 h
1967	8/ 3/67	21.53	2,200	1987	11/ 9/86	21.78	3,700
1968	3/11/68	21.41	2,150	1988	1/19/88	--	3,270 h
1969	4/ 5/69	24.86	4,100				

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

07275000 Yocona River at Enid Dam near Enid, MS

LOCATION:

Lat 34°09'29", long 89°54'14", in NE 1/4 sec.2, T.11 S., R.7 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203 in gatehouse of Enid Dam, 0.8 upstream from U.S. Highway 51, 2.8 mi upstream from Illinois Central Railroad bridge, and 3.2 northeast of Enid.

GAGE:

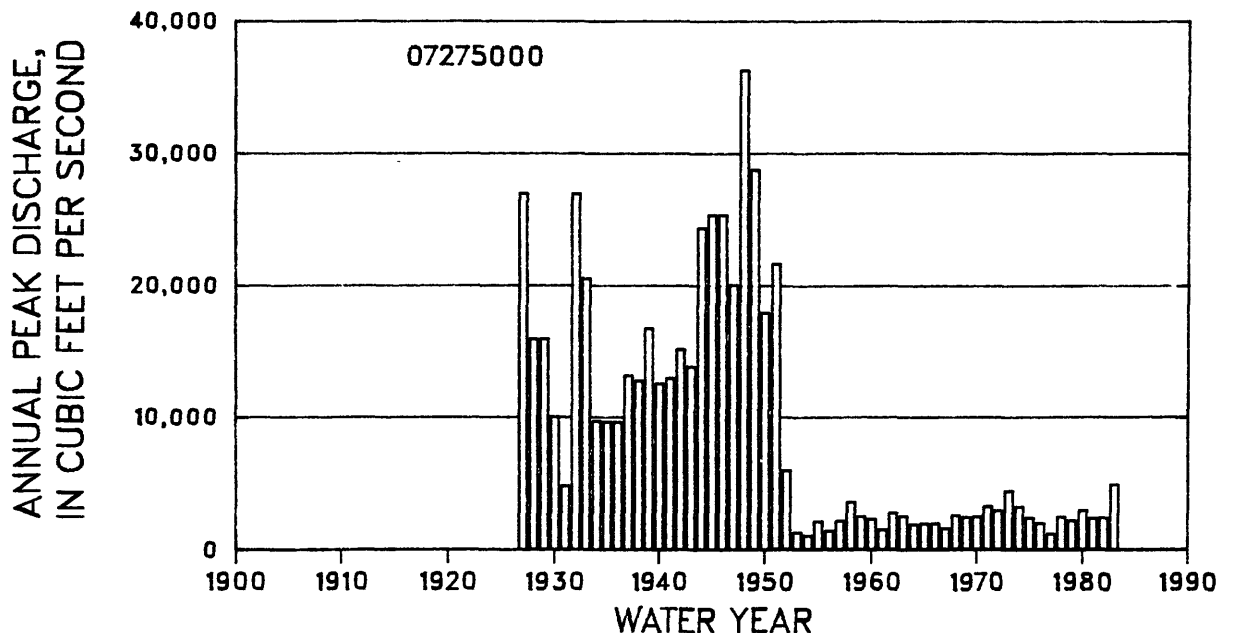
Continuous-discharge gage, water-stage recorder. Datum of gage is 200.00 ft above sea level. Prior to July 15, 1951, at site 0.8 mi downstream at datum 10.58 ft lower. Prior to July 14, 1939, and from July 16, 1951, to May 23, 1952, nonrecording gage. From July 14, 1939, to July 15, 1951, and after May 23, 1952, water-stage recorder.

DRAINAGE AREA: 606 mi<sup>2</sup> SLOPE: 3.2 ft/mi LENGTH: 63.5 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:	MEAN	3.384
	STANDARD DEVIATION	--
	SKEW	--

NOTE: Discharges are substantially affected by the operation of Enid Reservoir. Only the mean of logarithms of annual peak discharge for regulated conditions is presented. For additional information, contact the U.S. Army Corps of Engineers, Vicksburg District.

Graph of annual peak discharges is shown below.



## 07275000 Yocona River at Enid Dam near Enid, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1927	12/ /26	21.00 a	27,000	1956	10/ 1/55	--	1,480 k
1928	4/18/28	19.20 a	16,000	1957	9/19/57	--	2,240 k
1929	3/23/29	19.16 a	16,000	1958	1/21/58	--	3,670 k
1930	5/20/30	18.22 a	10,100	1959	12/12/58	--	2,560 k
1931	4/ 1/31	13.16 a	4,880	1960	1/ 1/60	--	2,370 k
1932	1/14/32	21.04 a	27,000	1961	1/17/61	--	1,580 k
1933	4/ 1/33	19.70 a	20,600	1962	12/ 5/61	--	2,850 k
1934	3/ 3/34	16.87 a	9,780	1963	10/19/62	--	2,580 k
1935	3/12/35	16.90 a	9,720	1964	8/24/64	--	1,960 k
1936	2/ 4/36	16.89 a	9,710	1965	11/16/64	--	2,020 k
1937	1/ 2/37	17.76 a	13,200	1966	5/27/66	--	2,040 k
1938	4/ 7/38	18.32 a	12,800	1967	8/ 2/67	--	1,650 k
1939	3/30/39	18.57 a	16,800	1968	9/20/68	--	2,650 k
1940	3/13/40	17.84 a	12,600	1969	10/ 8/68	--	2,510 k
1941	12/16/40	18.00 a	13,000	1970	5/13/70	--	2,560 k
1942	4/ 9/42	18.53 a	15,200	1971	9/14/71	--	3,350 ek
1943	3/13/43	18.55 a	13,900	1972	10/ 1/71	--	3,020 ek
1944	3/29/44	20.13 a	24,400	1973	4/27/73	--	4,510 ek
1945	1/ 1/45	20.20 a	25,400	1974	3/ 7/74	--	3,300 ek
1946	2/13/46	20.17 a	25,400	1975	4/ 3/75	--	2,480 k
1947	4/12/47	19.41 a	20,100	1976	11/18/75	--	2,060 ek
1948	2/14/48	21.61 a	36,300	1977	5/24/77	--	1,260 ek
1949	1/ 5/49	20.10 a	28,800	1978	9/ 8/78	--	2,530 k
1950	3/13/50	17.45 a	18,000	1979	8/ 9/79	--	2,250 ek
1951	3/30/51	18.63 ab	21,700	1980	4/30/80	--	3,050 ek
1952	12/28/51	--	6,060 k	1981	10/ 3/80	--	2,450 ek
1953	7/ 8/53	--	1,360 k	1982	1/26/82	--	2,500 ek
1954	10/ 1/53	--	1,100 k	1983	3/29/83	--	5,000 ek
1955	7/20/55	--	2,190 k				

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

e Discharge is a maximum daily average.

k Discharge affected by regulation.

# 07275500 Long Creek at Courtland, MS

## LOCATION:

Lat 34°13'40", long 89°56'20", near center of sec.9, T.10 S., R.7 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030203, at bridge on U.S. Highway 51, 1.0 mi south of Courtland, 5.5 mi upstream from mouth, and 6.0 mi south of Batesville.

## GAGE:

Crest-stage gage. Datum of gage is 205.33 ft above sea level. Nonrecording gage March 4-20, 1940; water-stage recorder Mar. 21, 1940, to Dec. 31, 1943; crest-stage gage after Nov. 18, 1951.

DRAINAGE AREA: 62.3 mi<sup>2</sup> SLOPE: 13.8 ft/mi LENGTH: 11.6 mi

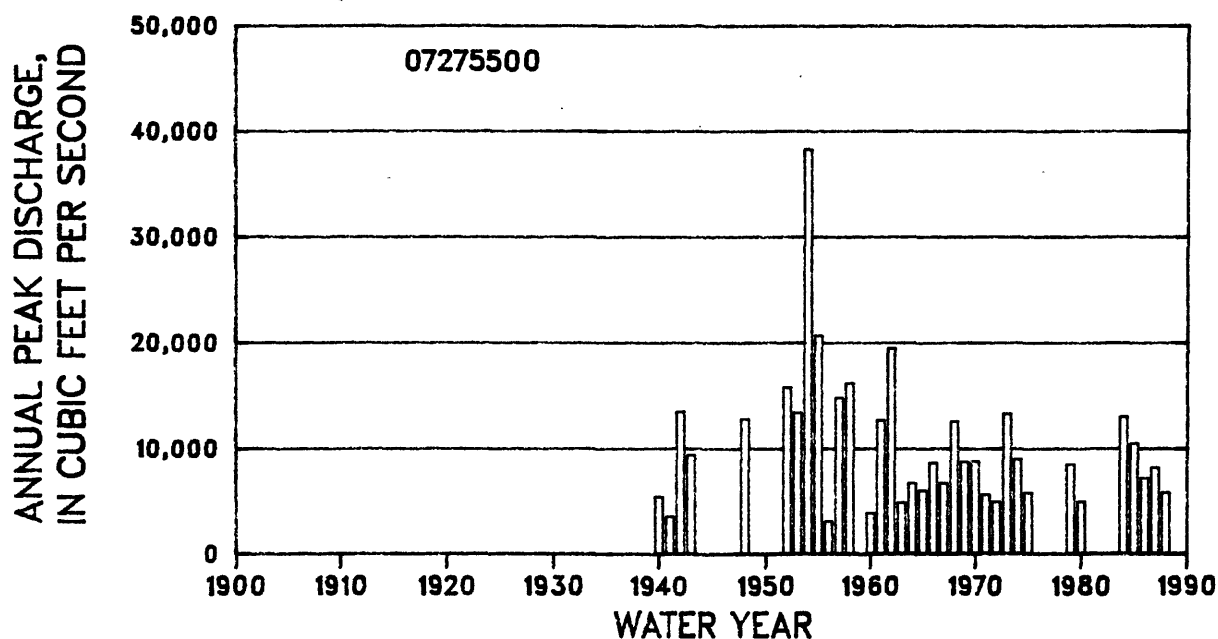
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.932  
STANDARD DEVIATION 0.226  
SKEW 0.075

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	8,500	13,200	16,700	21,600	25,400	29,500	33,900	40,100
REGIONAL	7,320	11,700	14,600	18,700	21,100	24,600	26,600	30,200
WEIGHTED	8,410	13,000	16,400	20,900	24,000	27,700	30,700	35,200

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	10	11	13	17	20	25	29	36
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	9	10	12	15	17	20	22	26

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 35

Graph of annual peak discharges is shown below.



## 07275500 Long Creek at Courtland, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1940	7/12/40	14.82	5,440	1967	5/ 1/67	16.55	6,720
1941	11/11/40	11.87	3,540	1968	1/ 9/68	19.90	12,600
1942	4/ 9/42	22.21	13,500	1969	4/ 5/69	17.89	8,760
1943	12/27/42	19.51	9,380	1970	4/ 2/70	17.90	8,780
1948	2/13/48	21.80	12,800 f	1971	10/13/70	15.60	5,620
1952	12/27/51	21.03	15,800	1972	4/16/72	14.00	4,950
1953	5/ 5/53	20.21	13,400	1973	3/15/73	20.15	13,300
1954	5/28/54	25.02	38,300	1974	5/15/74	18.04	9,010
1955	3/21/55	22.39	20,700	1975	2/23/75	15.22	5,800
1956	4/30/56	12.30	3,100	1979	3/ 3/79	7.52	8,500
1957	4/ 3/57	20.71	14,800	1980	3/17/80	4.77	4,950
1958	11/14/57	21.17	16,200	1982	6/ 4/82	9.90	--
1960	8/19/60	13.64	3,840	1983	5/19/83	17.71	--
1961	3/ 8/61	19.91	12,700	1984	12/ 3/83	12.60	13,000
1962	4/11/62	22.11	19,500	1985	8/ 6/85	10.63	10,500
1963	4/29/63	14.86	4,880	1986	6/ 4/86	7.53	7,200 c
1964	3/14/64	16.55	6,720	1987	3/18/87	8.39	8,200
1965	3/27/65	15.92	6,000	1988	12/28/87	6.18	5,800
1966	2/10/66	17.83	8,660				

HISTORICAL DATA: The 1954 peak is the highest known since 1907.

c Estimated.

f Discharge is an historical peak.

# 07276000 Coldwater River near Lewisburg, MS

## LOCATION:

Lat 34°50'27", long 89°49'32", in center of sec.10, T.3 S., R.6 W., Chickasaw Meridian, Desto County, Hydrologic Unit 08030204, at bridge on State Highway 305, 1.6 mi south of Lewisburg, and 4.0 mi upstream from Pigeon Roost Creek.

## GAGE:

Continuous-stage gage, water-stage recorder, from Sept. 3, 1942, to Aug. 25, 1948 and after Aug. 22, 1950. Datum of gage is 250.52 ft above sea level.

DRAINAGE AREA: 213 mi<sup>2</sup> SLOPE: 4.2 ft/mi LENGTH: 49.9 mi

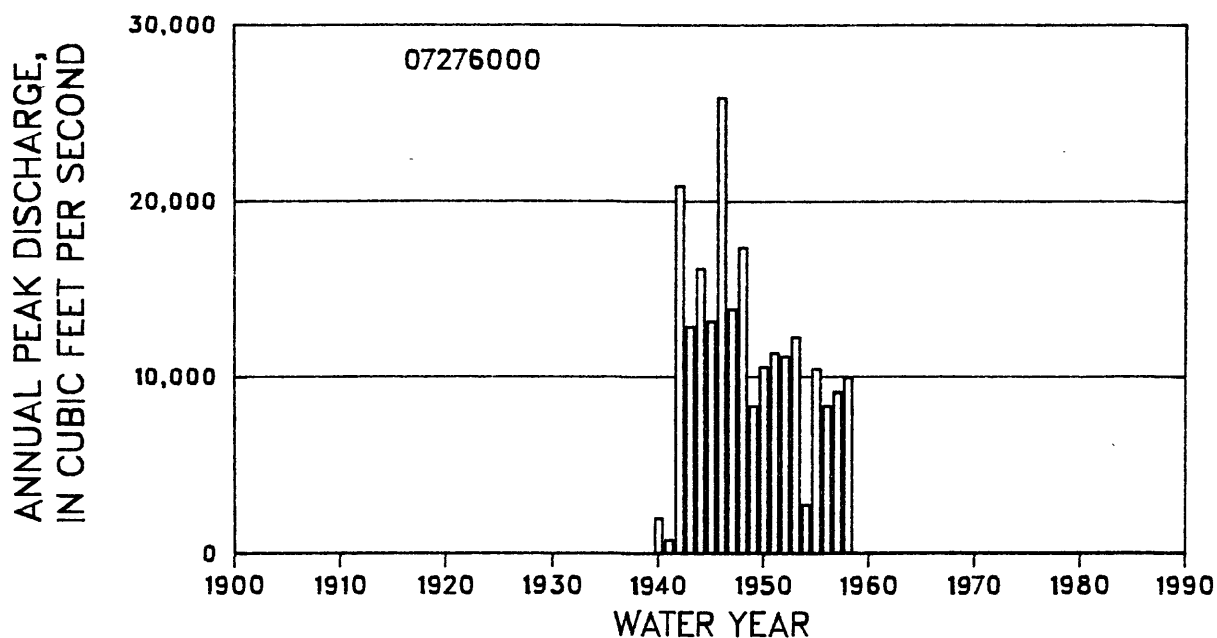
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.995  
STANDARD DEVIATION 0.295  
SKEW -0.570

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	10,500	17,700	22,400	28,100	32,100	35,900	39,600	44,100
REGIONAL	10,000	16,000	20,200	25,400	29,000	34,700	38,400	44,000
WEIGHTED	10,400	17,300	21,900	27,200	30,700	35,300	38,900	44,100

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	17	15	16	22	27	34	41	51
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	15	14	14	18	20	23	26	30

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 19

Graph of annual peak discharges is shown below.



## 07276000 Coldwater River near Lewisburg, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1940	6/29/40	10.80	2,020	1963	5/28/63	11.02	--
1941	1/ 6/41	9.30	790	1964	4/25/64	11.20 q	--
1942	4/ 9/42	14.56	20,900	1965	12/ 5/64	12.55	--
1943	3/13/43	12.97	12,900	1966	2/12/66	11.97	--
1944	3/29/44	12.41	16,200	1967	5/ 7/67	11.65	--
1945	1/ 1/45	12.95	13,200	1968	1/11/68	11.50 q	--
1946	1/ 8/46	15.60	25,900	1969	11/28/68	13.35	--
1947	6/23/47	13.20	13,900	1970	1/ 1/70	11.36	--
1948	2/13/48	14.02	17,400	1971	2/23/71	11.40	--
1949	6/15/49	11.98	8,400	1972	7/ 6/72	9.40 q	--
1950	1/13/50	12.53	10,600	1973	12/11/72	12.05	--
1951	1/ 3/51	12.90	11,400	1974	1/12/74	12.27	--
1952	1/27/52	12.84	11,200	1975	3/14/75	12.40 q	--
1953	5/19/53	13.10	12,300	1976	2/21/76	7.61	--
1954	2/18/54	10.77	2,800	1977	3/ 5/77	9.90 q	--
1955	3/21/55	12.68	10,500	1978	5/ 8/78	11.85	--
1956	2/ 4/56	12.18	8,400	1979	5/ 5/79	10.40 q	--
1957	2/ 1/57	12.38	9,200	1980	3/18/80	12.40 q	--
1958	9/22/58	12.60	10,000	1981	6/ 6/81	8.50 q	--
1959	2/15/59	11.21	--	1982	2/ 9/82	8.60 q	--
1960	3/11/60	10.50	--	1983	11/28/82	11.60 q	--
1961	2/22/61	11.69	--	1984	12/ 5/83	11.20 q	--
1962	2/25/62	11.70					

q Gage height is a daily reading and may not be the maximum gage height for the water year.

# 07277000 Pigeon Roost Creek near Lewisburg, MS

## LOCATION:

Lat 34°49'40", long 89°49'20", in NW 1/4 sec.15, T.3 S., R.6 W., Chickasaw Meridian, Desoto County, Hydrologic Unit 08030204, at bridge on State Highway 305, 1.6 mi upstream from mouth, and 2.4 mi south of Lewisburg.

## GAGE:

Continuous-stage gage, water-stage recorder, since Dec. 17, 1949. Datum of gage is 253.14 ft above sea level. Nonrecording gage prior to Sept. 3, 1942, and from July 12, 1948, to Dec. 17, 1949. Water-stage recorder from Sept. 3, 1942, to July 11, 1948.

DRAINAGE AREA: 229 mi<sup>2</sup> SLOPE: 8.7 ft/mi LENGTH: 26.8 mi

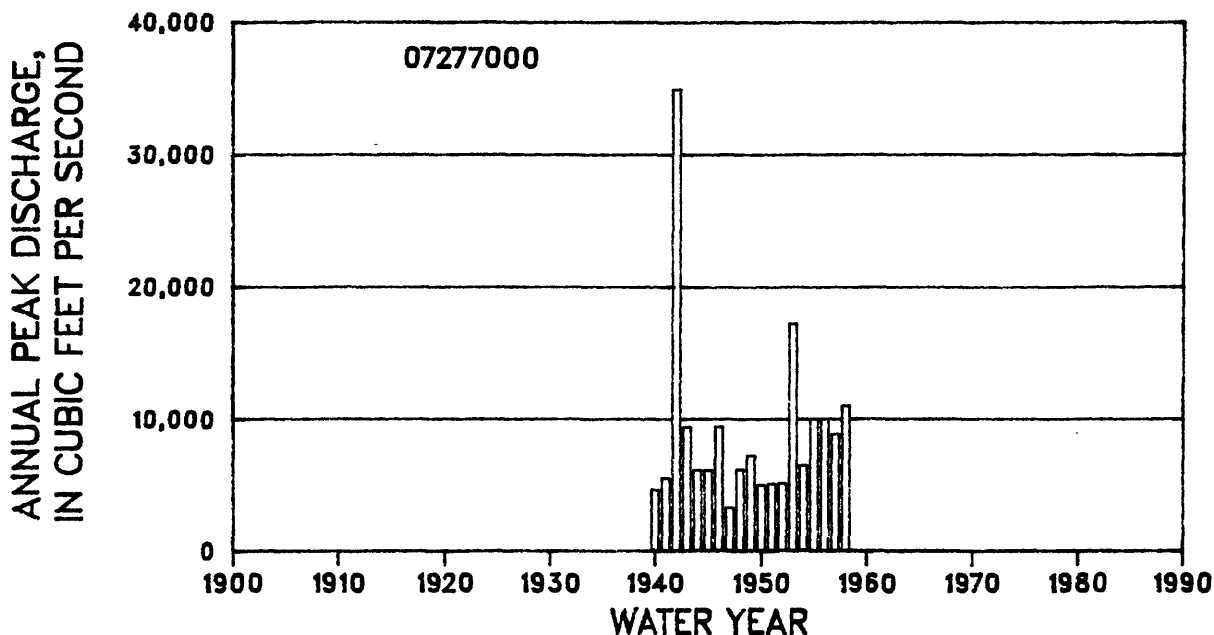
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.882  
STANDARD DEVIATION 0.232  
SKEW 0.360

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	7,380	11,800	15,400	20,700	25,300	30,400	36,200	45,000
T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	13	16	20	28	35	43	52	66

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 19

NOTE: The discharges are affected by channelization. The slope and length may not be fully representative of current conditions. The statistics of logarithms of annual peak discharge and the flood-frequency discharges are for current conditions. The discharges are unweighted station estimates, which may be more uncertain than is indicated by the standard error of estimate.

Graph of annual peak discharges is shown below.





## 07277000 Pigeon Roost Creek near Lewisburg, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1940	6/29/40	10.00	4,600 j	1963	3/11/63	13.48	--
1941	1/ 2/41	10.40	5,480 j	1964	4/23/64	15.00	--
1942	4/ 9/42	12.20	34,900 j	1965	12/ 4/64	15.10	--
1943	3/13/43	11.01	9,390 j	1966	2/10/66	15.05	--
1944	4/23/44	10.96	6,110 j	1967	5/ 7/67	15.40 c	--
1945	2/27/45	11.08	6,100 j	1968	1/10/68	13.90 q	--
1946	1/ 8/46	12.85	9,430 j	1969	11/28/68	14.90	--
1947	6/22/47	12.70	3,250 j	1970	3/ 3/70	8.75	--
1948	2/13/48	12.68	6,160 j	1971	2/21/71	7.20	--
1949	11/19/48	13.05	7,210 j	1972	7/ 3/72	11.50	--
1950	3/13/50	12.30	4,960 j	1973	12/10/72	10.60	--
1951	1/ 3/51	12.52	5,060 j	1974	11/27/73	9.80	--
1952	1/27/52	12.64	5,100 j	1975	2/23/75	8.55	--
1953	5/19/53	16.74	17,200 j	1976	2/18/76	5.93	--
1954	2/20/54	13.10	6,450 j	1977	3/ 3/77	9.21	--
1955	4/13/55	14.32	10,000 j	1978	5/ 7/78	11.92	--
1956	1/29/56	14.30	10,000 j	1979	4/12/79	5.60 q	--
1957	2/ 1/57	13.89	8,850 j	1980	3/17/80	8.00 q	--
1958	9/20/58	14.60	11,000 j	1981	6/ 6/81	7.50 q	--
1959	1/21/59	13.10	--	1982	2/ 9/82	9.40 q	--
1960	3/ 9/60	13.65	--	1983	12/26/82	10.00 q	--
1961	2/21/61	14.53	--	1984	12/ 3/83	8.80 q	--
1962	2/24/62	14.80	--				

c Estimated.

j Discharge affected by urbanization or channelization.

q Gage height is a daily reading and may not be the maximum gage height for the water year.

# 07277500 Coldwater River near Coldwater, MS

## LOCATION:

Lat 34°43'00", long 89°59'00", in SW 1/4 sec.19, T.4 S., R.7 W., Chickasaw Meridian, Desoto-Tate County line, Hydrologic Unit 08030204, at bridge on U.S. Highway 51, 1.2 mi northwest of Coldwater, 3.0 mi downstream from Beartail Creek, and 3.8 mi upstream from Hickahala Creek.

## GAGE:

Nonrecording gage. Datum of gage is 208.29 ft above sea level.

DRAINAGE AREA: 634 mi<sup>2</sup>      SLOPE: 3.2 ft/mi      LENGTH: 70.0 mi

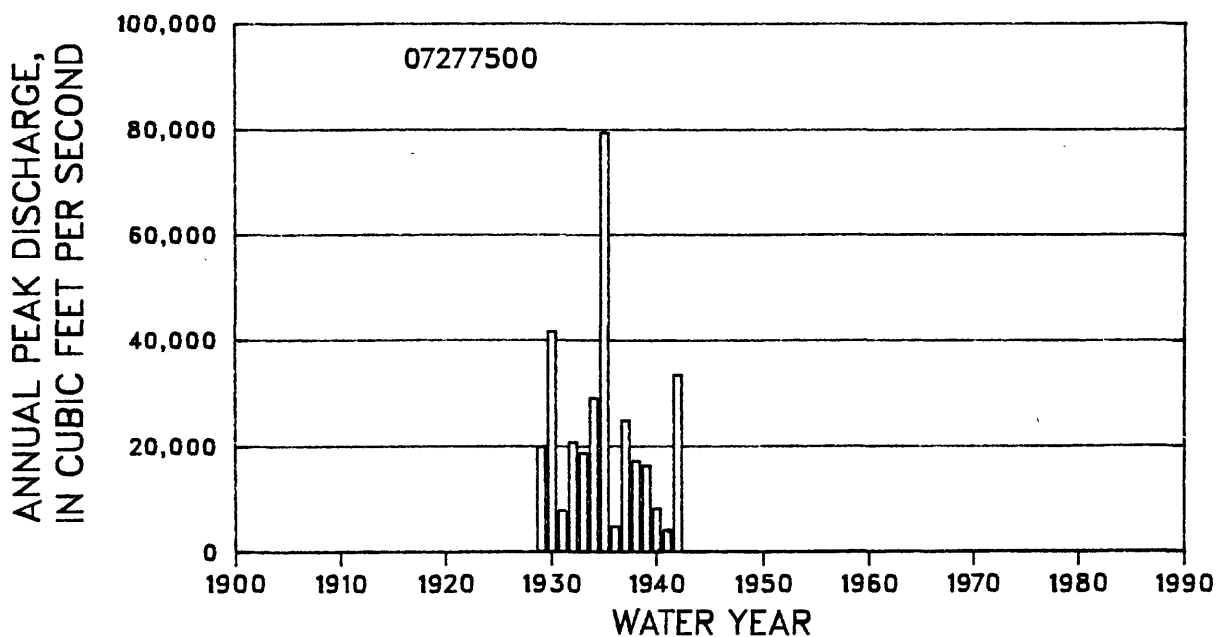
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN      4.243  
    STANDARD DEVIATION      0.355  
    SKEW      -0.249

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	18,100	35,100	48,800	68,200	84,100	101,000	119,000	144,000
REGIONAL	21,900	36,600	47,100	60,700	69,800	84,100	93,600	108,000
WEIGHTED	19,300	35,700	48,000	63,900	74,600	88,800	99,500	115,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	24	24	27	35	44	53	64	81
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	20	19	20	23	25	28	31	34

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 14

Graph of annual peak discharges is shown below.



## 07277500 Coldwater River near Coldwater, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1929	2/27/29	15.89	20,000	1936	10/24/35	13.97	4,900
1930	1/ 9/30	18.86	41,800	1937	1/25/37	17.00	25,000
1931	7/26/31	14.18	7,940	1938	1/23/38	16.49	17,300
1932	1/14/32	16.03	20,900	1939	2/ 3/39	16.14	16,500
1933	4/ 1/33	16.10	18,800	1940	6/30/40	14.64	8,300
1934	12/19/33	17.75	29,200	1941	1/ 4/41	13.95	4,280
1935	1/21/35	21.00	79,500	1942	4/ 9/42	20.40	33,600

07277550 James Wolf Creek tributary near Looxahoma, MS

LOCATION:

Lat 34°36'45", long 89°50'30", on line between SW 1/4 sec.28 and NW 1/4 sec.33, T.5 S., R.6 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, at culvert on State Highway 4, 1.2 mi north of Looxahoma, and 7.8 mi east of Senatobia.

GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Oct. 1, 1973, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.29 mi<sup>2</sup> SLOPE: 149 ft/mi LENGTH: 0.6 mi

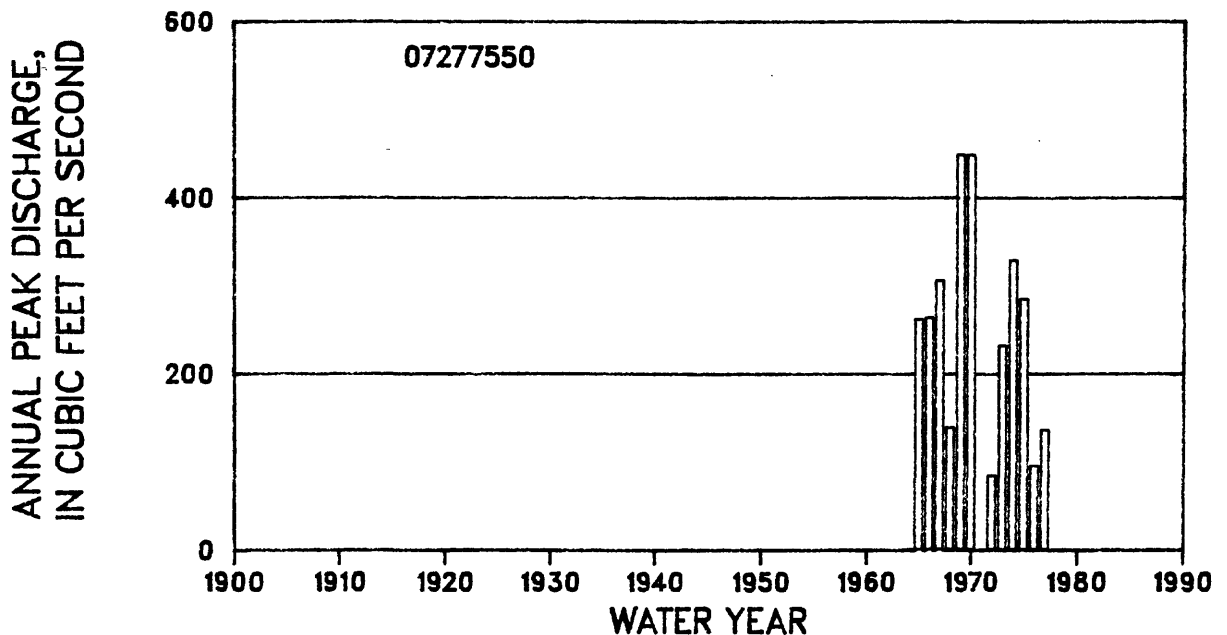
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.345  
STANDARD DEVIATION 0.245  
SKEW -0.309

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	228	358	446	558	640	722	803	909
REGIONAL	302	415	476	572	620	685	706	782
WEIGHTED	242	372	455	563	630	701	743	823

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	18	18	20	25	31	38	45	56
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	16	15	16	19	22	25	27	31

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 12

Graph of annual peak discharges is shown below.



07277550 James Wolf Creek tributary near Looxahoma, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1965	3/30/65	5.40	262	1972	12/ 6/71	3.61	84
1966	3/ 4/66	5.42	264	1973	4/20/73	5.14	232
1967	6/ 1/67	5.77	306	1974	6/ 8/74	5.96	329
1968	1/ 9/68	4.24	139	1975	3/13/75	5.59	285
1969	4/17/69	6.86	448	1976	3/20/76	3.75	95
1970	5/11/70	6.86	448	1977	3/ 3/77	4.21	136

# 07277700 Hickahala Creek near Senatobia, MS

## LOCATION:

Lat 34°37'54", long 89°55'30", in NE 1/4 SW 1/4, sec.22, T.5 S., R.7 W., Chickasaw Meridian, Tate County, at bridge on county road, 1.5 upstream from confluence of Hickahala Creek and Senatobia Creek, and 3 mi northeast of Senatobia.

## GAGE:

Continuous stage-gage, water-stage recorder. Datum of gage is 233.02 ft above sea level.

DRAINAGE AREA: 122 mi<sup>2</sup>      SLOPE: 9.9 ft/mi      LENGTH: 19.6 mi

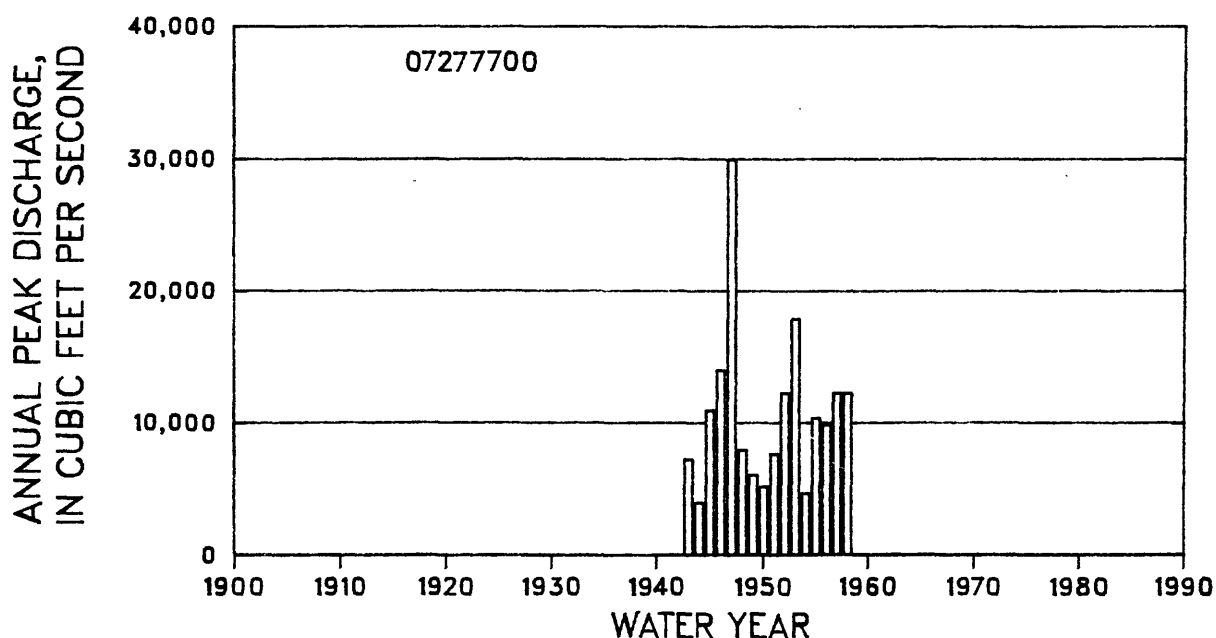
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN    3.977  
    STANDARD DEVIATION    0.226  
    SKEW    -0.027

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	9,500	14,700	18,400	23,400	27,400	31,400	35,700	41,600
REGIONAL	10,500	17,000	21,500	27,400	31,100	36,600	39,800	45,300
WEIGHTED	9,650	15,100	19,200	24,800	29,000	34,000	38,000	43,800

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	14	15	18	23	29	35	41	51
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	13	14	15	18	21	24	27	30

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 16

Graph of annual peak discharges is shown below.



## 07277700 Hickahala Creek near Senatobia, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1943	12/27/42	15.40	7,300	1964	9/28/64	16.30	--
1944	2/26/44	14.30	4,000	1965	12/ 3/64	17.75	--
1945	12/31/44	16.40	11,000	1966	2/10/66	16.85	--
1946	7/ 8/46	17.10	14,000	1967	5/ 7/67	17.19	--
1947	6/22/47	20.60	30,000	1968	1/10/68	16.10 q	--
1948	3/13/48	15.60	8,000	1969	11/28/68	17.42	--
1949	11/19/48	15.10	6,100	1970	3/ 3/70	17.70	--
1950	3/13/50	14.76	5,200	1971	2/22/71	15.77	--
1951	1/ 3/51	15.50	7,700	1972	6/25/72	15.80	--
1952	1/27/52	16.70	12,300	1973	11/ 7/72	19.29	--
1953	5/19/53	18.00	17,900	1974	11/27/73	18.00	--
1954	5/ 3/54	14.61	4,700	1975	2/23/75	17.80	--
1955	3/21/55	16.25	10,400	1976	2/18/76	16.62	--
1956	2/ 3/56	16.10	9,900	1977	3/ 3/77	17.86	--
1957	2/ 1/57	16.67	12,300	1978	5/ 7/78	19.70	--
1958	9/20/58	16.70	12,300	1979	5/ 4/79	18.20	--
1959	9/27/59	16.00	--	1980	3/17/80	18.40 q	--
1960	12/12/59	16.09	--	1981	2/10/81	15.20 q	--
1961	2/21/61	17.05	--	1982	2/10/82	17.30 q	--
1962	2/23/62	17.63	--	1983	12/ 3/82	19.10 q	--
1963	3/11/63	15.60	--	1984	5/ 3/84	18.20 q	--

q Gage height is a daily reading and may not be the maximum gage height for the water year.

07277730 Senatobia Creek near Senatobia, MS

LOCATION:

Lat 34°37'02", long 89°56'30", in NW 1/4 SE 1/4 sec.28, T.5 S., R.7 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, at bridge on State Highway 4, 1.4 mi upstream from mouth, and 1.5 mi east of Senatobia.

GAGE:

Continuous-stage gage, water-stage recorder. Datum of gage is 233.80 ft above sea level.

DRAINAGE AREA: 82.0 mi<sup>2</sup> SLOPE: 10.3 ft/mi LENGTH: 15.8 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:

MEAN 4.155

STANDARD DEVIATION 0.096

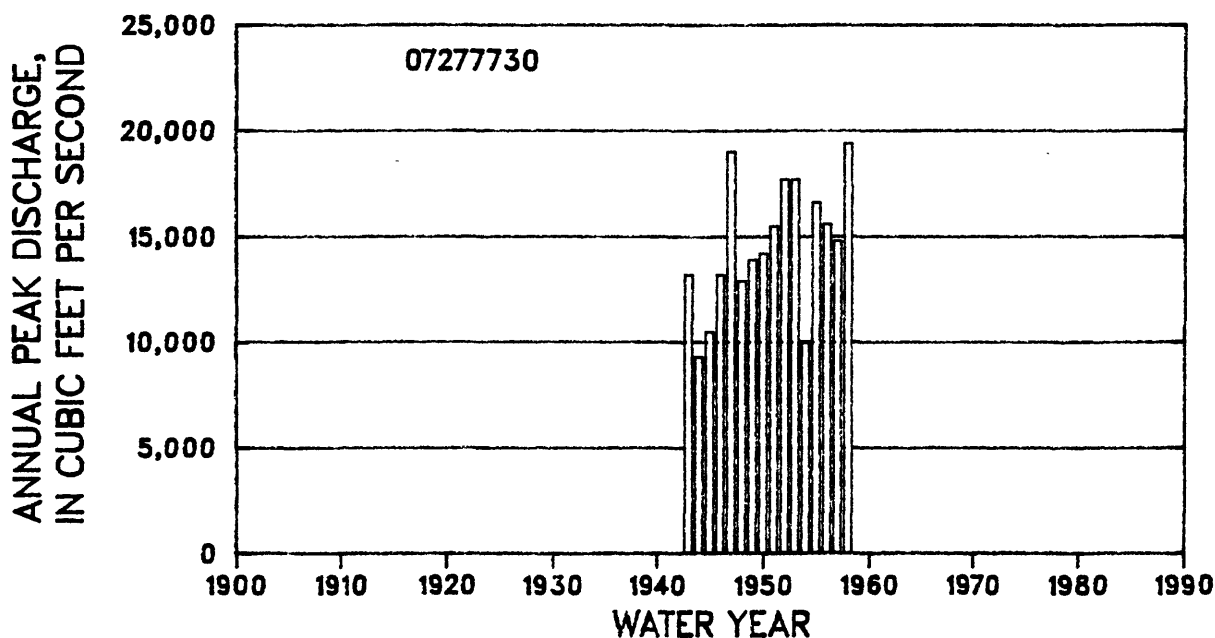
SKEW -0.330

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	14,400	17,200	18,800	20,500	21,600	22,600	23,600	24,700
REGIONAL	7,760	12,400	15,600	19,900	22,500	26,400	28,700	32,600
WEIGHTED	14,100	17,000	18,600	20,500	21,700	23,000	24,300	26,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	6	6	7	8	10	12	15	18
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	6	6	6	8	10	11	13	16

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 16

Graph of annual peak discharges is shown below.





## 07277730 Senatobia Creek near Senatobia, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1943	12/27/42	16.70	13,200	1964	4/ 4/64	17.60	--
1944	4/23/44	15.60	9,300	1965	12/ 3/64	18.40	--
1945	12/31/44	16.00	10,500	1966	2/10/66	18.25	--
1946	7/ 8/46	16.70	13,200	1967	7/ 6/67	18.30	--
1947	6/22/47	17.85	19,000	1968	3/11/68	15.80	--
1948	2/12/48	16.60	12,900	1969	4/17/69	17.85	--
1949	1/ 3/49	16.85	13,900	1970	3/ 3/70	17.96	--
1950	4/30/50	16.92	14,200	1971	2/21/71	16.70	--
1951	1/ 3/51	17.20	15,500	1972	5/ 8/72	14.90	--
1952	1/27/52	17.60	17,700	1973	11/ 7/72	20.00	--
1953	4/29/53	17.60	17,700	1974	11/28/73	20.52	--
1954	5/28/54	15.85	10,000	1975	7/11/75	20.15	--
1955	3/20/55	17.40	16,600	1976	2/18/76	19.35	--
1956	4/ 6/56	17.24	15,600	1977	3/ 3/77	19.36	--
1957	4/ 4/57	17.00	14,800	1978	5/ 7/78	19.35	--
1958	9/19/58	17.90	19,400	1979	4/ 2/79	19.00	--
1959	9/27/59	18.00	--	1980	4/12/80	16.80	--
1960	3/ 2/60	17.15	--	1981	7/ 5/81	14.90 q	--
1961	3/ 7/61	18.00	--	1982	3/21/82	18.60 q	--
1962	2/23/62	18.21	--	1983	11/28/82	26.10	--
1963	7/21/63	17.65	--	1984	3/28/84	19.20 q	--

q Gage height is a daily reading and may not be the maximum gage height for the water year.

07278500 Coldwater River at Arkabutla Dam, MS

LOCATION:

Lat 34°45'31", long 90°07'30", in SW 1/4 sec.2, T.4 S., R.9 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, in gatehouse of Arkabutla Dam, and 4 mi north of Arkabutla.

GAGE:

Continuous-discharge gage, water-stage recorder from Oct. 1, 1939, to Nov. 28, 1941, and after June 30, 1942. Datum of gage is 191.18 ft above sea level. Nonrecording gage prior to Oct. 1, 1939, and from Jan. 1 to June 30, 1942. Prior to Oct. 1, 1941, at site 1.7 mi downstream at datum 3.64 ft lower and from Jan. 1, 1942, to Dec. 31, 1947, at site 370 ft downstream from outlet tunnel at datum 19.90 ft lower.

DRAINAGE AREA: 1,000 mi<sup>2</sup>

SLOPE: 2.9 ft/mi

LENGTH: 80.6 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:

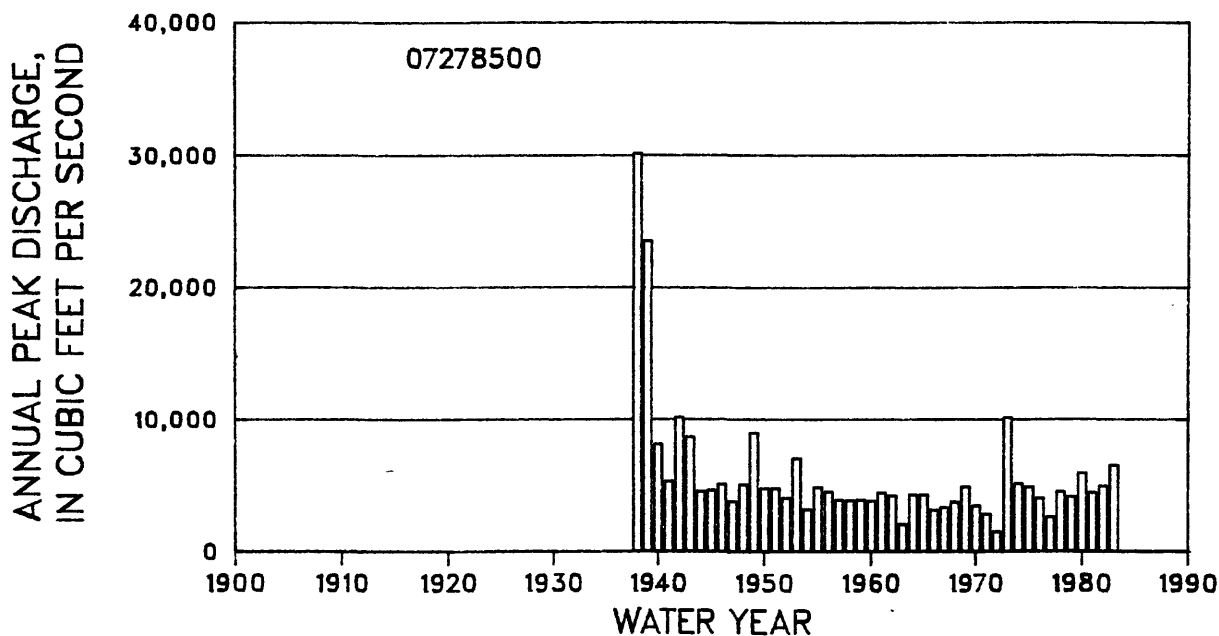
MEAN 3.659

STANDARD DEVIATION --

SKEW --

NOTE: Discharges are substantially affected by the operation of Arkabutla Reservoir. Only the mean of logarithms of annual peak discharge for regulated conditions is presented. For additional information, contact the U.S. Army Corps of Engineers, Vicksburg District.

Graph of annual peak discharges is shown below.



## 07278500 Coldwater River at Arkabutla Dam, MS---Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1938	1/22/38	12.90 a	30,200	1961	3/10/61	--	4,500 k
1939	2/ 4/39	12.50 a	23,600	1962	1/30/62	--	4,270 k
1940	6/29/40	10.20 a	8,170	1963	3/18/63	--	2,110 k
1941	1/ 4/41	10.00 a	5,360	1964	5/ 1/64	--	4,340 k
1942	4/12/42	--	10,200 k	1965	4/ 1/65	--	4,340 k
1943	3/14/43	--	8,720 k	1966	2/21/66	--	3,190 k
1944	5/21/44	--	4,610 k	1967	5/11/67	--	3,380 k
1945	4/20/45	--	4,700 k	1968	4/12/68	--	3,810 k
1946	1/13/46	--	5,150 k	1969	4/21/69	--	4,950 k
1947	6/27/47	--	3,850 k	1970	4/27/70	--	3,500 k
1948	3/ 8/48	--	5,110 k	1971	2/27/71	--	2,880 ek
1949	5/19/49	--	9,030 k	1972	6/ 9/72	--	1,560 ek
1950	2/16/50	--	4,850 k	1973	4/25/73	--	10,200 ek
1951	12/16/50	--	4,830 k	1974	1/23/74	--	5,180 ek
1952	3/13/52	--	4,100 k	1975	4/ 7/75	--	4,950 k
1953	5/21/53	--	7,120 k	1976	3/21/76	--	4,090 k
1954	2/26/54	--	3,230 k	1977	3/15/77	--	2,670 ek
1955	4/22/55	--	4,900 k	1978	12/12/77	--	4,580 ek
1956	2/20/56	--	4,580 k	1979	4/23/79	--	4,200 ek
1957	2/ 8/57	--	3,950 k	1980	5/ 4/80	--	6,000 k
1958	12/23/57	--	3,920 k	1981	4/ 7/81	--	4,500 ek
1959	10/21/58	--	3,960 k	1982	2/13/82	--	5,000 ek
1960	1/ 5/60	--	3,870 k	1983	3/ 1/83	--	6,600 ek

a Gage height at different site and (or) datum.

e Discharge is a maximum daily average.

k Discharge affected by regulation.

07279300 Coldwater River at Prichard, MS

LOCATION:

Lat 34°41'58", long 90°13'54", in SW 1/4 sec.26, T.4 S., R.10 W., Chickasaw Meridian, Tunica-Tate County line, Hydrologic Unit 08030204, and at bridge on county road 0.3 mi southeast of Prichard.

GAGE:

Continuous-stage gage, water-stage recorder. Datum of gage is 156.22 ft above sea level.

DRAINAGE AREA: 1,210 mi<sup>2</sup>

SLOPE: --

LENGTH: --

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:

MEAN 3.772

STANDARD DEVIATION 0.067

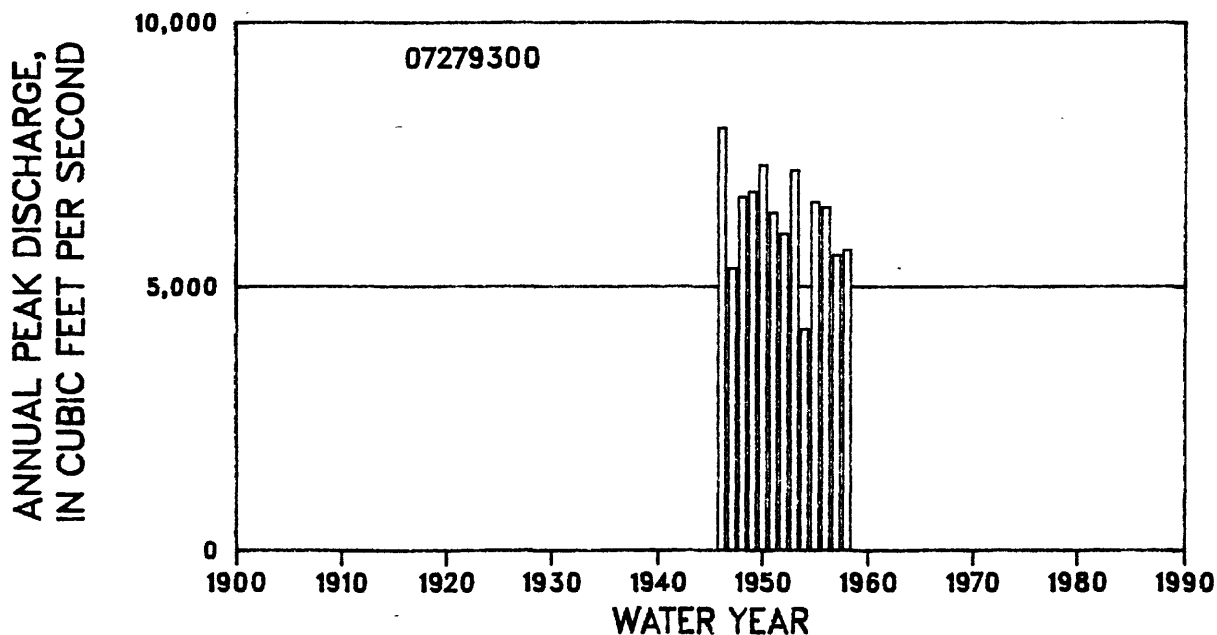
SKEW -0.450

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	5,980	6,750	7,140	7,550	7,810	8,040	8,240	8,480
T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	5	4	5	6	8	9	11	13

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 13

NOTE: The discharges are affected by regulation (Arkabutla Reservoir). The statistics of logarithms of annual peak discharge and flood-frequency discharges are for current conditions and are based on the pattern of regulation. If the pattern of regulation is altered, the flood-frequency for this station will be altered. The discharges are unweighted station estimates, which may be more uncertain than is indicated by the standard error of estimate. The logarithmic mean and standard deviation of the station record were computed after adjusting the record based on a correlation with long-term records at Station 07280000 using procedures described in Bulletin 17B (Interagency Advisory Committee on Water Data, 1982).

Graph of annual peak discharges is shown below.



07279300 Coldwater River at Prichard, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1946	1/12/46	31.34	8,000 k	1965	12/ 4/64	26.00	--
1947	6/28/47	25.78	5,350 k	1966	2/10/66	26.01	--
1948	2/14/48	28.93	6,700 k	1967	5/ 7/67	25.80	--
1949	4/13/49	29.05	6,800 k	1968	1/10/68	24.30 q	--
1950	2/14/50	29.87	7,300 k	1969	4/10/69	28.21	--
1951	1/14/51	28.10	6,400 k	1970	3/ 4/70	26.67	--
1952	3/11/52	27.32	6,000 k	1971	2/22/71	27.20	--
1953	5/21/53	29.79	7,200 k	1972	7/ 3/72	18.50 q	--
1954	2/20/54	23.19	4,200 k	1973	4/27/73	32.00	--
1955	4/22/55	28.47	6,600 k	1974	5/16/74	29.60	--
1956	2/18/56	28.26	6,500 k	1975	3/29/75	28.31	--
1957	2/ 1/57	26.40	5,600 k	1976	3/31/76	25.85	--
1958	11/14/57	26.61	5,700 k	1977	3/ 4/77	26.05	--
1959	2/15/59	24.00	--	1978	1/25/78	27.80 q	--
1960	12/12/59	24.43	--	1979	5/ 4/79	29.50 q	--
1961	3/31/61	27.98	--	1980	3/17/80	29.40 q	--
1962	2/24/62	26.68	--	1981	6/ 6/81	23.00 q	--
1963	3/11/63	21.80	--	1982	2/17/82	29.90 q	--
1964	4/27/64	28.10					

k Discharge affected by regulation.

q Gage height is a daily reading and may not be the maximum gage height for the water year.

07279500 Coldwater River at Savage, MS

LOCATION:

Lat 34°38'00", long 90°13'50", in SW 1/4 sec.23, T.5 S., R.10 W., Chickasaw Meridian Tunica-Tate County line, Hydrologic Unit 08030204, at bridge on county road, 0.2 mi downstream from Yazoo and Mississippi Valley Railroad, 0.2 mi west of Savage, 7.8 mi upstream from Arkabutla Canal, and 9.5 mi southeast of Tunica.

GAGE:

Nonrecording gage. From May 25, 1942, to Sept. 23, 1942, datum of gage was 164.74 ft above sea level. Prior to May 25, 1942, at datum 5.0 ft higher. From Oct. 1, 1908, to Oct. 31, 1912, at site 1,000 ft upstream.

DRAINAGE AREA: 1,230 mi<sup>2</sup>

SLOPE: 2.8 ft/mi

LENGTH: 94.9 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:

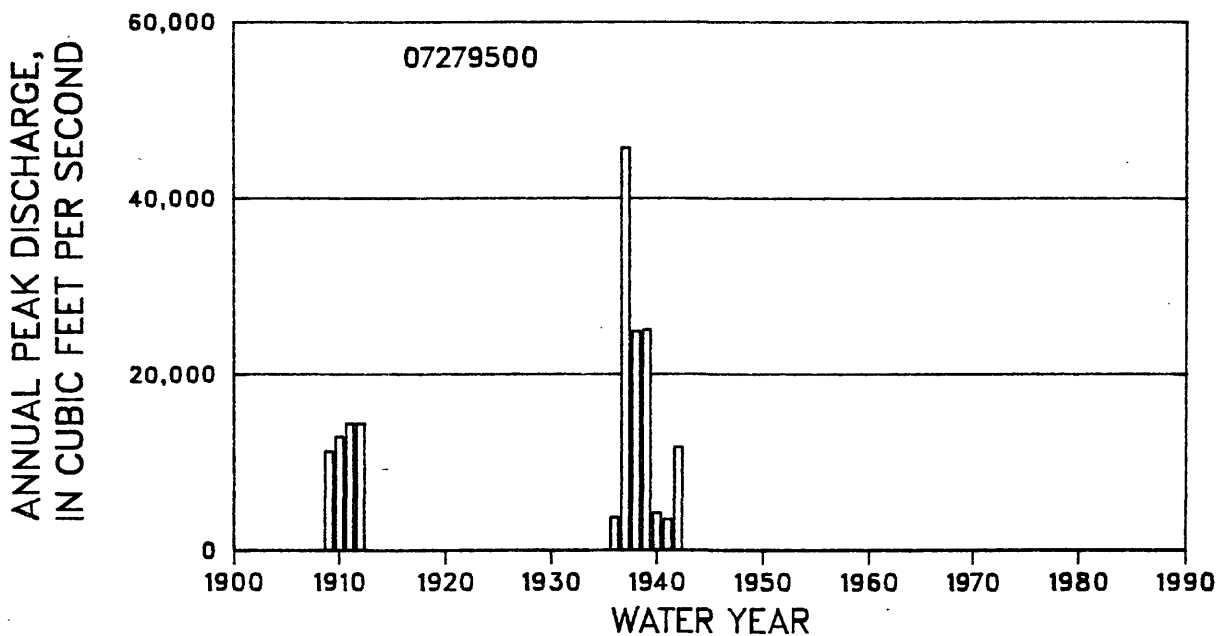
MEAN 4.072

STANDARD DEVIATION 0.377

SKEW -0.262

NOTE: The discharges are affected by regulation (Arkabutla Reservoir). Statistics of logarithms of annual peak discharge are for natural conditions. The post-regulation period of record is insufficient for flood-frequency analysis.

Graph of annual peak discharges is shown below.



## 07279500 Coldwater River at Savage, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1909	6/ 3/ 9	16.36 a	11,300	1938	1/25/38	17.46 a	24,900
1910	4/18/10	17.26 a	13,000	1939	2/ 5/39	17.35 a	25,100
1911	4/ 7/11	17.16 a	14,500	1940	7/ 3/40	15.39 ad	4,320
1912	5/ 1/12	17.16 a	14,500	1941	4/28/41	15.11 a	3,590
1936	3/31/36	15.51 ab	3,800	1942	4/12/42	21.66 b	11,800 k
1937	1/25/37	18.05 a	45,800				

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

d Gage height not the maximum daily average.

k Discharge affected by regulation.

07279600 Arkabutla Creek near Arkabutla, MS

LOCATION:

Lat 34°39'10", long 90°09'40", in SW 1/4 NW 1/4 sec.16, T.5 S., R.9 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, at bridge on county road, 0.5 mi downstream from Hoover Creek, 4 mi southwest of Arkabutla, and 7.9 mi upstream from mouth.

GAGE:

Continuous-stage gage, water-stage recorder. Datum of gage is 185.73 ft above sea level.

DRAINAGE AREA: 98.1 mi<sup>2</sup> SLOPE: 7.5 ft/mi LENGTH: 21.0 mi

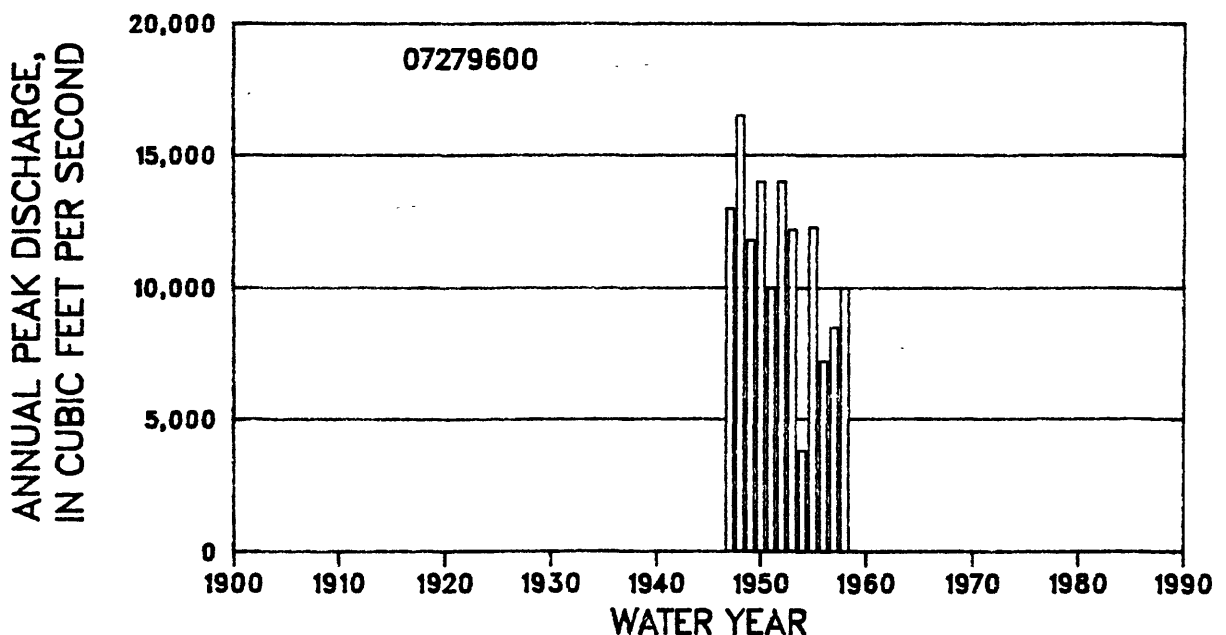
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.045  
STANDARD DEVIATION 0.115  
SKEW -0.342

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	11,300	13,900	15,400	17,100	18,200	19,200	20,200	21,400
REGIONAL	7,490	11,900	15,000	19,100	21,700	25,600	28,000	31,900
WEIGHTED	11,000	13,800	15,400	17,300	18,700	20,400	21,900	24,100

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	8	8	9	11	14	17	20	25
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	8	8	9	11	13	15	17	20

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 12

Graph of annual peak discharges is shown below.





## 07279600 Arkabutla Creek near Arkabutla, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1947	5/24/47	21.20	13,000	1964	4/23/64	20.70	--
1948	2/13/48	22.26	16,500	1965	12/ 3/64	21.91	--
1949	1/ 3/49	20.80	11,800	1966	2/10/66	21.00	--
1950	3/13/50	21.60	14,000	1967	5/ 6/67	20.01	--
1951	1/ 2/51	20.15	10,000	1968	5/14/68	17.50	--
1952	1/27/52	21.60	14,000	1969	4/17/69	20.55	--
1953	5/ 4/53	21.00	12,200	1970	3/ 3/70	20.68	--
1954	2/20/54	17.30	3,800	1971	2/21/71	16.45	--
1955	4/12/55	21.03	12,300	1972	4/29/72	14.70	--
1956	2/ 3/56	19.00	7,200	1973	4/20/73	22.60	--
1957	1/30/57	19.50	8,500	1974	6/ 8/74	21.37	--
1958	11/18/57	20.12	10,000	1975	2/23/75	20.08	--
1959	6/11/59	19.90	--	1976	2/18/76	16.52	--
1960	12/11/59	20.29	--	1977	3/ 3/77	19.84	--
1961	2/21/61	21.05	--	1978	5/ 7/78	20.10	--
1962	2/22/62	21.22	--	1979	4/12/79	21.10	--
1963	3/ 5/63	18.97	--	1980	6/24/80	19.40 q	--

q Gage height is a daily reading and may not be the maximum gage height for the water year.

07279970 Bobo Bayou at Bobo, MS

LOCATION:

Lat 34°17'00", long 90°10'32", in SE 1/4 sec.22, T.28 N., R.1 E., Choctaw Meridian, Coahoma County, Hydrologic Unit 08030207, at bridge on State Highway 6 in Bobo, and 7 mi east of Marks.

GAGE:

Continuous-stage gage, water-stage recorder. Datum of gage is 140.92 ft above sea level.

DRAINAGE AREA: 92.0 mi<sup>2</sup> SLOPE: 7.1 ft/mi LENGTH: 19.6 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.228  
STANDARD DEVIATION 0.041  
SKEW -0.722

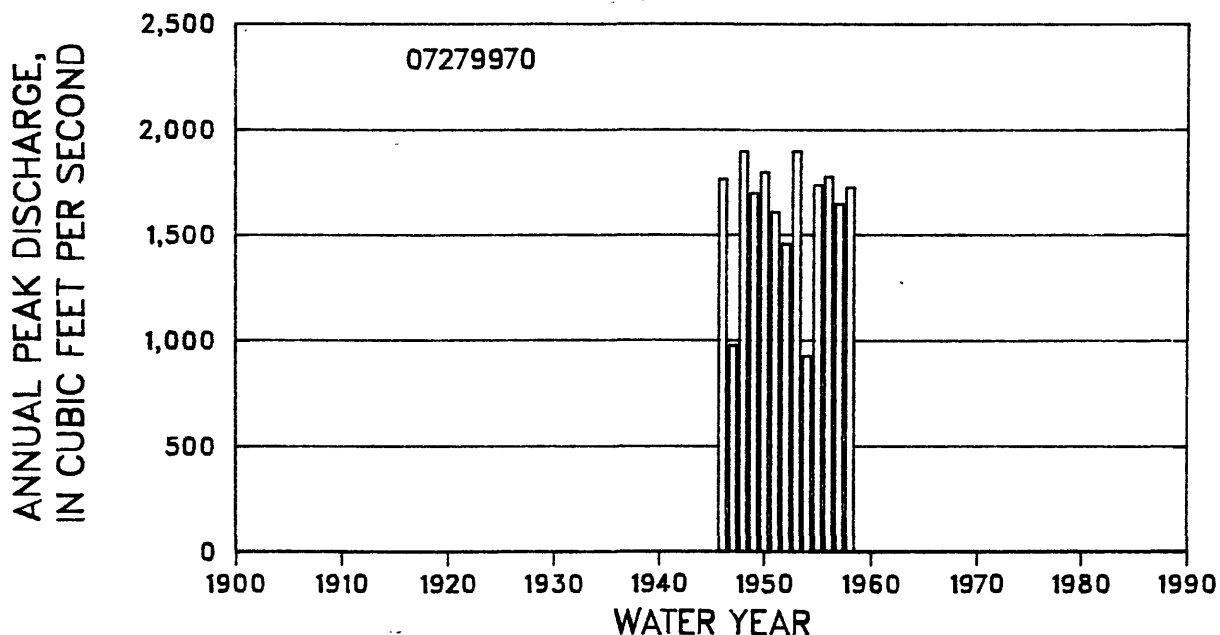
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	1,710	1,830	1,890	1,940	1,970	2,000	2,020	2,040

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	3	2	3	3	5	6	7	8

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 13

NOTE: The flood-frequency discharges are unweighted station estimates because the watershed characteristics are not typical of the data used to develop the regional equations, as presented by Landers and Wilson (1991). The discharges may be more uncertain than is indicated by the standard error of estimate.

Graph of annual peak discharges is shown below.



## 07279970 Bobo Bayou at Bobo, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1946	7/11/46	16.50	1,770	1966	2/11/66	14.55	--
1947	1/20/47	13.90	980	1967	5/ 7/67	11.02	--
1948	2/19/48	16.70	1,900	1968	1/11/68	13.70 q	--
1949	1/ 6/49	16.23	1,700	1969	2/ 3/69	14.80	--
1950	1/18/50	16.62	1,800	1970	3/ 4/70	14.33	--
1951	1/ 6/51	16.04	1,610	1971	2/22/71	12.81	--
1952	3/13/52	15.56	1,460	1972	1/ 5/72	9.30 q	--
1953	5/19/53	16.71	1,900	1973	3/17/73	16.48	--
1954	5/ 3/54	13.69	930	1974	5/16/74	16.37	--
1955	3/23/55	16.44	1,740	1975	3/14/75	15.50	--
1956	2/ 6/56	16.54	1,780	1976	3/ 9/76	13.12	--
1957	2/ 3/57	16.12	1,650	1977	3/ 4/77	13.50 q	--
1958	5/ 2/58	16.42	1,730	1978	5/ 8/78	14.63	--
1959	2/16/59	15.26	--	1979	4/13/79	15.50 q	--
1960	12/20/59	14.30	--	1980	3/21/80	15.60 q	--
1961	2/23/61	16.31	--	1981	5/27/81	13.80 q	--
1962	2/28/62	15.37	--	1982	8/15/82	14.20 q	--
1963	4/30/63	9.50	--	1983	12/28/82	16.20 q	--
1964	4/27/64	14.00 q	--	1984	11/ 5/83	16.50 q	--
1965	2/12/65	14.88					

q Gage height is a daily reading and may not be the maximum gage height for the water year.

07280000 Tallahatchie River near Lambert, MS

LOCATION:

Lat 34°10'50", long 90°12'55", in NE 1/4 SW 1/4 sec.29, T.27 N., R.1 E., Choctaw Meridian, Quitman County, Hydrologic Unit 08030202, near center of span on downstream side of State Highway 322 bridge, 0.2 mi downstream from confluence of Old Little Tallahatchie River and Coldwater River, 3.5 mi southeast of Lambert, and 26.2 mi upstream from Panola-Quitman Floodway.

**GAGE :**

Continuous-stage gage, water-stage recorder. Datum of gage is 123.83 ft above sea level. Prior to Sept. 5, 1946, nonrecording gage. Since Sept. 11, 1946, auxiliary water-stage recorder 5.8 mi downstream from base gage at datum 2.66 ft higher.

DRAINAGE AREA: 1,980 mi<sup>2</sup>      SLOPE: 2.0 ft/mi      LENGTH: 135.2 mi

### STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:

MEAN 4.046

STANDARD DEVIATION 0.092

SKEW -0.300

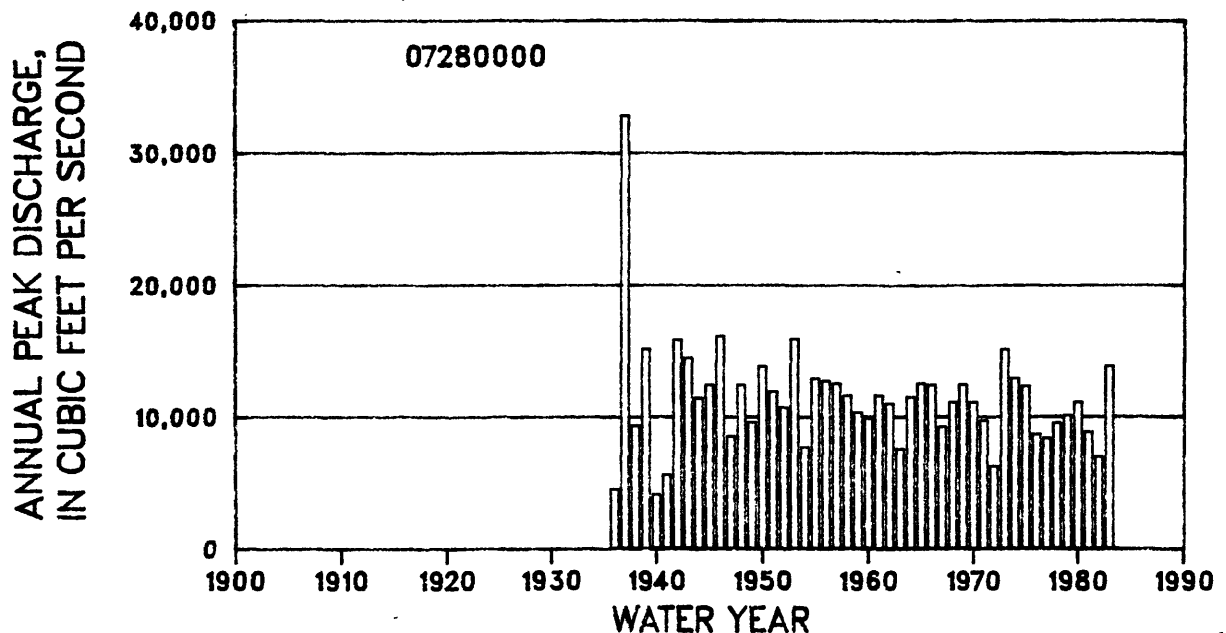
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	11,200	13,300	14,400	15,700	16,500	17,300	18,000	18,900

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	4	4	4	5	6	7	9	10

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 42

NOTE: The discharges are affected by regulation (Arkabutla Reservoir). The statistics of logarithms of annual peak discharge and flood-frequency discharges are for current conditions and are based on the pattern of regulation. If the pattern of regulation is altered, the flood-frequency for this station will be altered. The discharges are unweighted station estimates, which may be more uncertain than is indicated by the standard error of estimate.

**Graph of annual peak discharges is shown below.**



## 07280000 Tallahatchie River near Lambert, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1936	3/31/36	--	4,500	1960	12/ 9/59	28.20	9,860 k
1937	1/30/37	35.50	32,800	1961	2/23/61	--	11,600 k
1938	2/ 6/38	33.60	9,320	1962	2/28/62	29.90	11,000 k
1939	2/20/39	34.64	15,100	1963	4/30/63	25.96	7,540 k
1940	7/ 8/40	25.37 d	4,090	1964	4/28/64	30.22	11,500 k
1941	4/27/41	24.50	5,590	1965	2/13/65	30.80	12,500 k
1942	4/14/42	31.50	15,800 k	1966	2/14/66	30.57	12,400 k
1943	3/19/43	31.27	14,400 k	1967	5/ 8/67	27.40	9,230 k
1944	4/ 3/44	30.27 d	11,400 k	1968	1/11/68	29.52	11,100 k
1945	1/ 7/45	31.45 d	12,400 k	1969	2/ 4/69	30.91	12,400 k
1946	1/16/46	33.50	16,100 k	1970	1/ 1/70	30.06	11,100 k
1947	1/ 5/47	28.98	8,510 k	1971	2/23/71	29.26 d	9,700 ek
1948	2/18/48	32.01	12,400 k	1972	1/ 5/72	25.64	6,220 ek
1949	2/ 3/49	29.65 d	9,570 k	1973	5/ 3/73	33.04	15,100 ek
1950	1/18/50	33.16	13,800 k	1974	1/14/74	31.99	12,900 ek
1951	1/18/51	30.42	11,900 k	1975	3/15/75	31.49	12,300 k
1952	1/29/52	29.10	10,700 k	1976	3/10/76	28.90	8,650 k
1953	5/23/53	32.67 d	15,900 k	1977	3/ 5/77	28.71	8,350 k
1954	1/23/54	26.25	7,680 k	1978	5/10/78	30.16	9,500 k
1955	4/17/55	30.76	12,900 k	1979	4/ 5/79	31.00 q	10,100 ek
1956	2/ 9/56	30.81	12,700 k	1980	3/22/80	31.80 q	11,100 ek
1957	2/ 3/57	30.30	12,500 k	1981	5/28/81	29.20 q	8,830 ek
1958	5/ 3/58	30.54	11,600 k	1982	4/21/82	27.50 q	6,960 ek
1959	2/16/59	28.88	10,300 k	1983	1/ 1/83	32.60 dq	13,800 ek

d Gage height not the maximum for the water year.

e Discharge is a maximum daily average.

k Discharge affected by regulation.

q Gage height is a daily reading and may not be the maximum gage height for the water year.

07280270 Tillatoba Creek below Oakland, MS

LOCATION:

Lat 33°59'40", long 89°57'10", in NE 1/4 sec.35, T.25 N., R.3 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202 near right bank on downstream side of bridge on county road, 3.3 mi west of Tillatoba, and 4.6 mi southwest of Oakland.

GAGE:

Continuous-discharge gage, water-stage recorder. Elevation of gage is about 220 ft above sea level (from topographic map).

DRAINAGE AREA: 37.1 mi<sup>2</sup> SLOPE: 11.7 ft/mi LENGTH: 12.3 mi

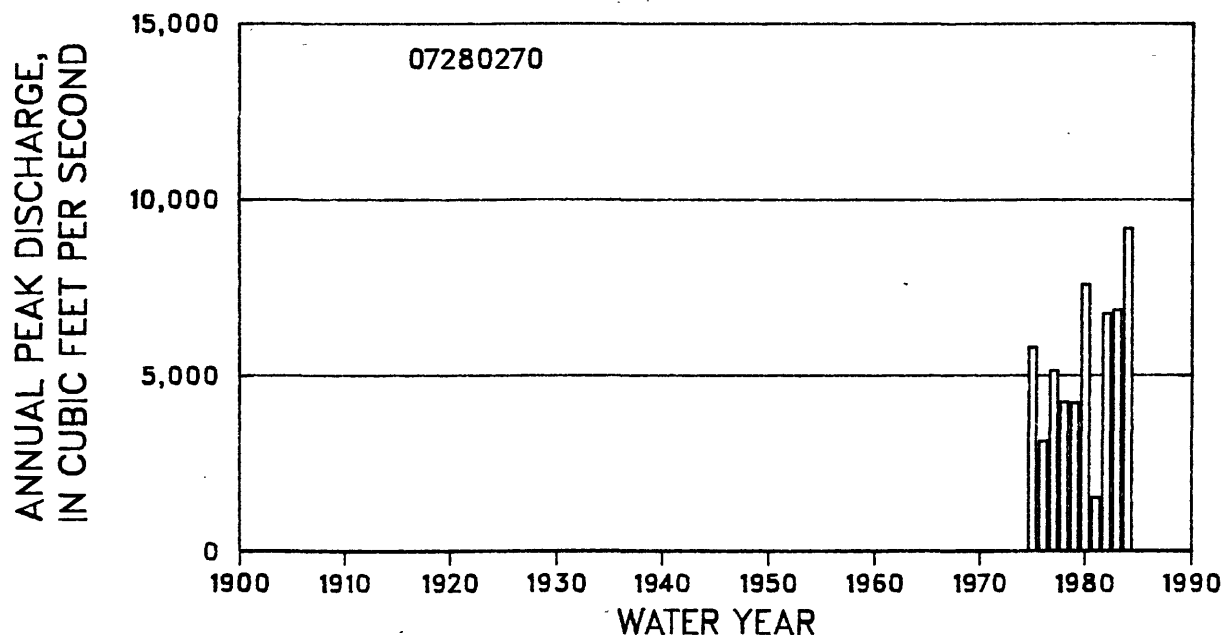
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.725  
STANDARD DEVIATION 0.163  
SKEW -0.190

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	5,370	7,300	8,510	9,970	11,000	12,000	13,000	14,300
REGIONAL	4,230	6,560	8,120	10,200	11,500	13,400	14,600	16,600
WEIGHTED	5,210	7,180	8,430	10,000	11,200	12,600	13,700	15,500

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	13	13	15	19	24	29	34	41
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	12	12	13	16	19	21	24	28

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 10

Graph of annual peak discharges is shown below.



## 07280270 Tillatoba Creek below Oakland, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1975	3/29/75	17.72	5,820	1980	6/24/80	14.93	7,600
1976	1/ 2/76	16.47	3,150	1981	3/29/81	8.16	1,540
1977	3/ 4/77	17.44	5,160	1982	4/ 4/82	14.29	6,770
1978	5/ 1/78	16.73	4,260	1983	12/26/82	14.38	6,870
1979	4/ 2/79	15.33 d	4,240	1984	5/ 7/84	16.20	9,200

d Gage height not the maximum for the water year.

07280340 South Fork Tillatoba Creek near Charleston, MS

LOCATION:

Lat 33°58'42", long 89°58'45", in NE 1/4 sec.4, T.24 N., R.3 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, on left bank, 80 ft downstream from left end of bridge on county road, 1.9 mi south from intersection of county road and State Highway 32, 4.8 mi west of Tillatoba, and 4.8 mi southeast of Charleston.

GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 189.37 ft above sea level.

DRAINAGE AREA: 53.9 mi<sup>2</sup> SLOPE: 9.7 ft/mi LENGTH: 15.2 mi

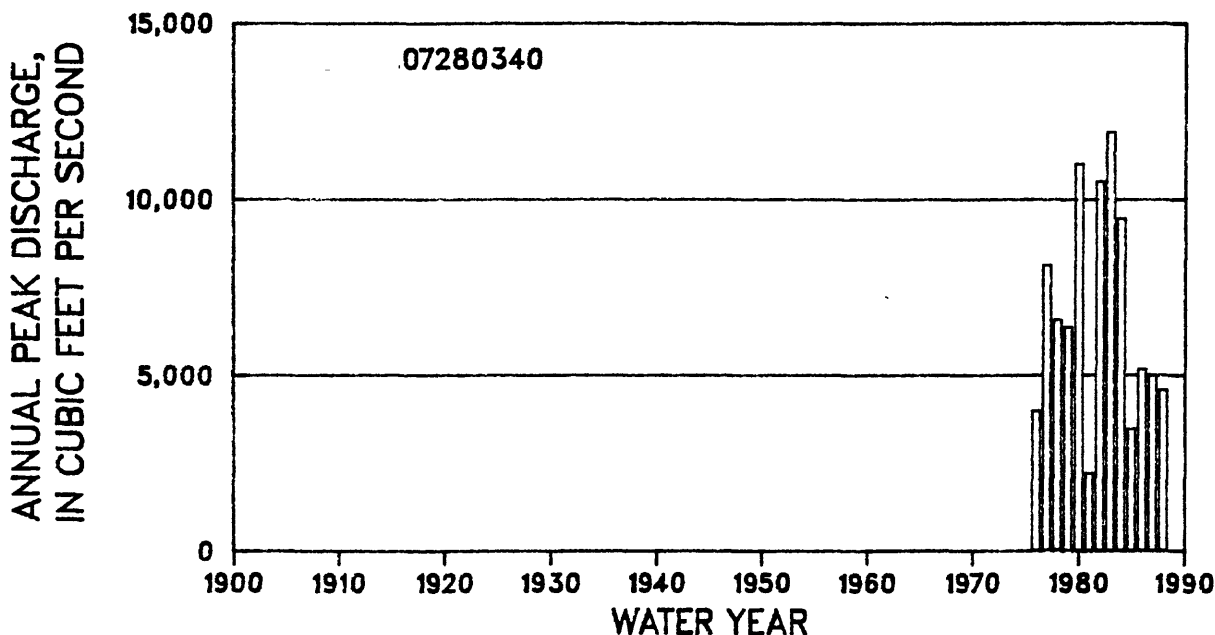
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.784  
STANDARD DEVIATION 0.219  
SKEW -0.208

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	6,200	9,350	11,500	14,200	16,200	18,200	20,200	22,900
REGIONAL	5,220	8,180	10,200	12,900	14,500	17,100	18,600	21,100
WEIGHTED	6,020	9,090	11,100	13,700	15,500	17,600	19,300	21,800

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	15	16	18	23	28	34	40	49
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	14	14	15	18	21	23	26	30

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 13

Graph of annual peak discharges is shown below.





## 07280340 South Fork Tillatoba Creek near Charleston, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1976	1/ 2/76	13.96	3,980	1983	12/26/82	23.96	11,900
1977	3/ 4/77	19.64	8,110	1984	12/ 3/83	22.32	9,440
1978	5/ 7/78	17.72	6,570	1985	8/ 6/85	13.50	3,470
1979	3/ 3/79	17.49	6,360	1986	6/ 4/86	17.80	5,170
1980	6/24/80	23.47	11,000	1987	11/23/86	17.34	4,990
1981	2/ 1/81	10.00	2,200	1988	1/19/88	19.23	4,580
1982	4/ 2/82	21.86	10,500				

# 07281000 Tallahatchie River at Swan Lake, MS

## LOCATION:

Lat 33°51'35", long 90°16'35", on line between secs.14 and 15, T.23 N., R.1 W., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, on downstream side of left pier of highway bridge, 1.0 mi southeast of Swan Lake, 3.0 mi downstream from Cassidy Bayou, and 18.0 mi downstream from Panola-Quitman Floodway.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 113.38 ft above sea level. Prior to Oct. 11, 1934, nonrecording gage at datum 2.00 ft higher; from Oct. 11, 1934, to Sept. 18, 1944, nonrecording gage at present datum; from Sept. 19, 1944, to Dec. 31, 1958, water-stage recorder at present datum; all at site 1.3 mi upstream.

DRAINAGE AREA: 5,130 mi<sup>2</sup>      SLOPE: 1.8 ft/mi      LENGTH: 133.6 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN      4.258  
    STANDARD DEVIATION      0.131  
    SKEW      0.300

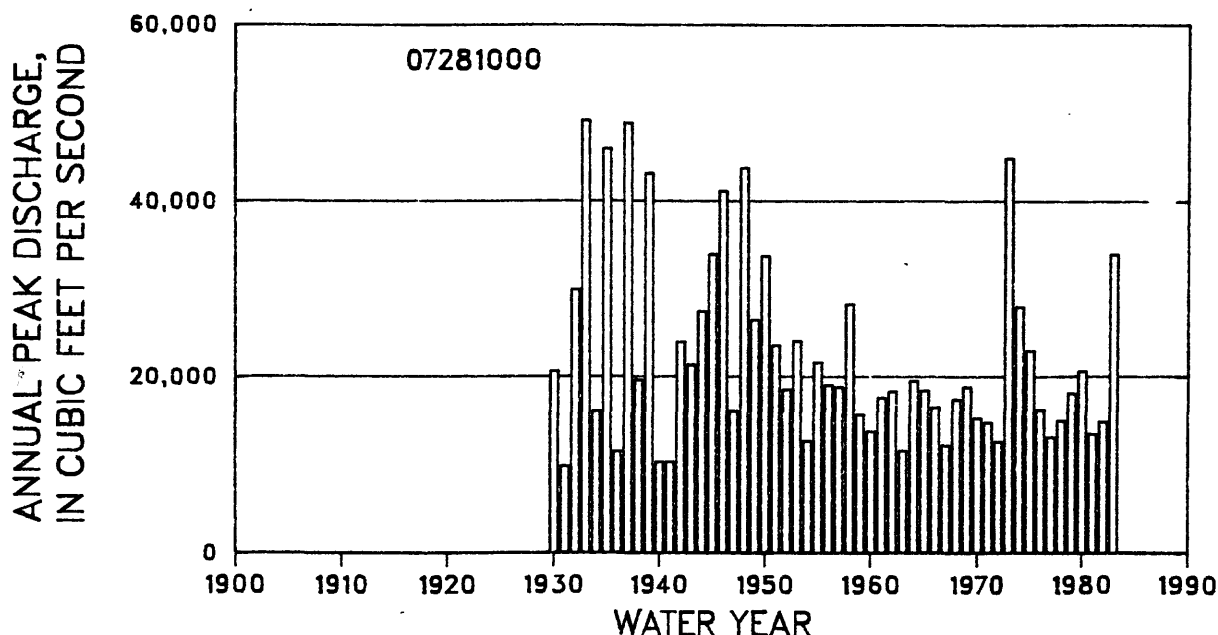
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	17,900	23,300	26,900	31,700	35,300	39,100	42,900	48,300

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	6	7	8	11	14	17	21	25

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 32

NOTE: The discharges are affected by regulation (flood control reservoirs). The statistics of logarithms of annual peak discharge and flood-frequency discharges are for current conditions (1952-83) and are based on the pattern of regulation. If the pattern of regulation is altered, the flood-frequency for this station will be altered. The discharges are unweighted station estimates, which may be more uncertain than is indicated by the standard error of estimate.

Graph of annual peak discharges is shown below.



## 07281000 Tallahatchie River at Swan Lake, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1907	12/ 2/06	29.30 a	--	1948	2/17/48	32.20 a	43,800 k
1911	4/25/11	29.90 a	--	1949	1/ 9/49	30.53 a	26,500 k
1914	4/19/14	24.80 a	--	1950	3/17/50	31.30 a	33,800 k
1915	2/15/15	29.10 a	--	1951	1/ 8/51	29.37 ad	23,600 k
1916	2/11/16	29.10 a	--	1952	1/ 1/52	28.20 a	18,600 k
1917	4/13/17	29.60 a	--	1953	5/21/53	29.71 a	24,100 k
1918	5/ 4/18	21.90 a	--	1954	1/26/54	23.74 ad	12,800 k
1919	3/26/19	29.80 a	--	1955	3/26/55	28.31 ad	21,700 k
1920	5/ 3/20	29.10 a	--	1956	2/10/56	28.28 a	19,100 k
1921	4/25/21	29.80 a	--	1957	2/ 5/57	27.95 ad	18,900 k
1922	3/19/22	29.20 a	--	1958	5/ 4/58	30.40 a	28,300 k
1923	5/26/23	29.00 a	--	1959	2/19/59	26.02	15,800 k
1924	1/18/24	28.40 a	--	1960	3/ 6/60	--	13,900 k
1925	3/25/25	18.90 a	--	1961	4/ 4/61	28.41	17,700 k
1926	11/20/25	26.40 a	--	1962	1/30/62	--	18,400 k
1927	3/22/27	31.80 a	--	1963	5/ 1/63	--	11,700 k
1928	5/ 3/28	30.60 a	--	1964	4/29/64	--	19,600 k
1929	3/29/29	31.70 a	--	1965	2/15/65	27.86	18,500 k
1930	1/27/30	31.90 a	20,700	1966	2/15/66	26.04 d	16,600 k
1931	3/13/31	23.20 a	9,920	1967	5/ 9/67	22.11	12,300 k
1932	1/15/32	35.00 a	30,000	1968	1/14/68	27.35	17,500 k
1933	4/ 9/33	33.20 a	49,200	1969	2/ 8/69	27.42	18,900 k
1934	3/14/34	27.70 a	16,200	1970	3/24/70	26.24	15,400 k
1935	1/31/35	34.10 ab	46,000	1971	2/27/71	25.70	14,900 ek
1936	4/13/36	27.60 a	11,600	1972	1/ 6/72	23.68	12,700 ek
1937	2/ 2/37	33.80 a	48,900	1973	3/17/73	31.59	44,900 ek
1938	4/11/38	31.00 a	19,700	1974	1/14/74	30.28	28,000 ek
1939	2/22/39	32.97 a	43,200	1975	3/18/75	29.27	23,000 k
1940	7/19/40	-- a	10,400 k	1976	3/14/76	26.99	16,300 k
1941	12/21/40	22.41 a	10,400 k	1977	3/ 7/77	25.00 q	13,200 ek
1942	4/14/42	-- a	24,000 k	1978	12/ 3/77	26.44	15,100 ek
1943	3/21/43	29.02 a	21,400 k	1979	4/15/79	28.60 q	18,200 ek
1944	4/ 2/44	30.01 ad	27,500 k	1980	3/23/80	29.20 q	20,700 ek
1945	1/ 6/45	30.79 a	34,000 k	1981	5/30/81	23.50 q	13,600 ek
1946	2/14/46	31.97 ad	41,200 k	1982	4/22/82	24.40 q	15,000 ek
1947	1/24/47	28.08 ad	16,200 k	1983	12/29/82	30.30 q	34,000 ek

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

d Gage height not the maximum for the water year.

e Discharge is a maximum daily average.

k Discharge affected by regulation.

q Gage height is a daily reading and may not be the maximum gage height for the water year.

# 07282000 Yalobusha River at Calhoun City, MS

## LOCATION:

Lat 33°50'20", long 89°18'55", in SE 1/4 SE 1/4 sec.23, T.23 N., R.9 E., Choctaw Meridian, Calhoun County, Hydrologic Unit 08030205, at downstream side of bridge on State Highway 9, 0.8 mi upstream from Topashaw Creek, 1.2 mi south of Calhoun City, 1.5 mi upstream from old channel, and 4.8 mi upstream from Topashaw Creek Canal. Records include flow in Canal and all supplemental channels.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 226.06 ft above sea level. Prior to Jan. 1, 1972, datum of gage was 10.00 ft higher. Prior to Nov. 15, 1950, nonrecording gage at site 75 ft downstream. Water-stage recorder on Topashaw Creek Canal, 2.5 mi southwest from base gage. Prior to Aug. 16, 1963, nonrecording gage and crest-stage gage on Canal.

DRAINAGE AREA: 305 mi<sup>2</sup>      SLOPE: 3.0 ft/mi      LENGTH: 30.2 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN      4.393  
    STANDARD DEVIATION      0.258  
    SKEW      -0.273

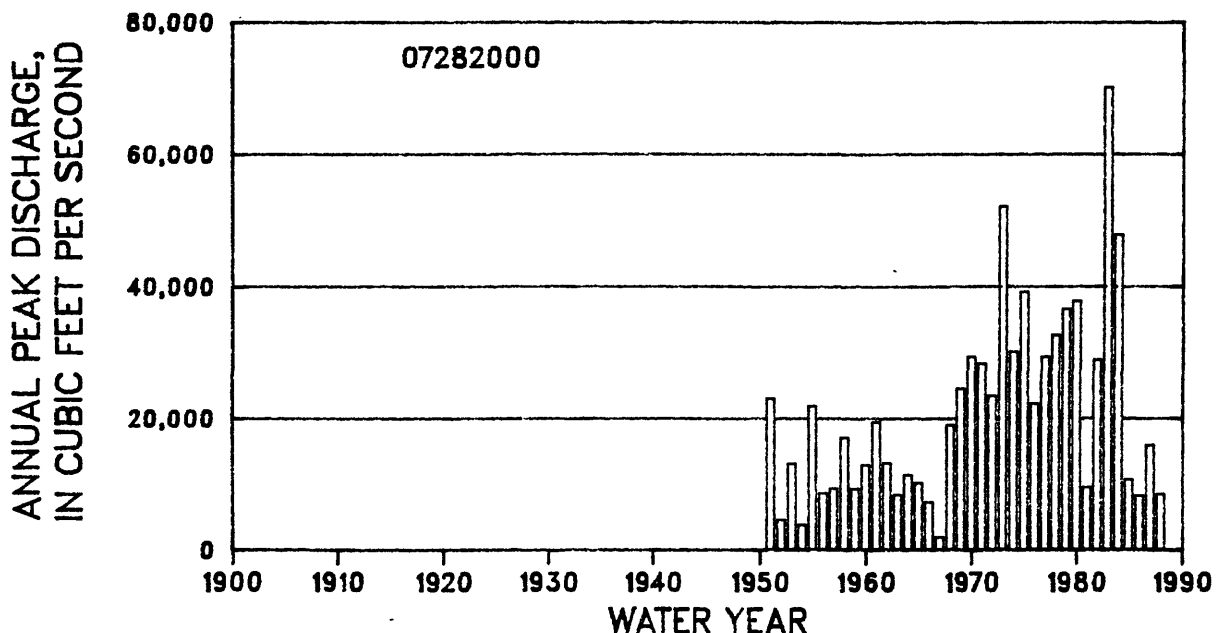
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	25,400	41,000	52,000	66,100	76,800	87,500	98,300	113,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	14	14	16	20	25	30	36	44

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 21

NOTE: The discharges are affected by channelization. The slope and length may not be fully representative of current conditions. The statistics of logarithms of annual peak discharge and the flood-frequency discharges are for current conditions. The discharges are unweighted station estimates, which may be more uncertain than is indicated by the standard error of estimate.

Graph of annual peak discharges is shown below.



## 07282000 Yalobusha River at Calhoun City, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1949	1/ 4/49	14.35 a	--	1969	4/14/69	10.39 a	24,500 j
1950	2/14/50	13.42 a	--	1970	12/30/69	11.57 a	29,300 j
1951	3/29/51	15.22 a	23,000	1971	2/21/71	10.81 a	28,300 j
1952	12/21/51	12.07 a	4,570	1972	5/ 8/72	21.45 b	23,400 j
1953	2/21/53	13.38 a	13,100	1973	3/16/73	24.58	52,100 j
1954	1/16/54	--	3,760	1974	11/27/73	21.71	30,100 j
1955	3/22/55	14.19 a	21,900	1975	3/13/75	23.74	39,200 j
1956	2/ 4/56	12.57 a	8,600	1976	3/21/76	20.00	22,200 j
1957	2/ 1/57	11.54 a	9,350	1977	3/ 4/77	23.69	29,300 j
1958	11/14/57	13.78 a	17,100	1978	11/21/77	22.01	32,600 j
1959	2/13/59	13.00 a	9,310	1979	1/20/79	23.18	36,600 j
1960	3/ 3/60	13.42 a	12,900	1980	11/25/79	23.79	37,800 j
1961	2/21/61	14.88 a	19,500	1981	3/30/81	18.03	9,560 j
1962	12/18/61	14.12 a	13,200	1982	4/ 2/82	23.12	28,900 j
1963	7/15/63	13.00 a	8,380	1983	12/26/82	25.75	70,100 j
1964	4/13/64	13.40 a	11,400	1984	12/ 3/83	24.99	47,800 j
1965	2/12/65	13.23 a	10,200	1985	2/11/85	19.55	10,700 j
1966	2/11/66	12.66 a	7,270	1986	unknown	--	8,220 j
1967	2/21/67	11.20 a	1,900	1987	2/27/87	21.03	15,900 j
1968	1/10/68	--	19,000 j	1988	4/ 2/88	18.28	8,460 j

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

j Discharge affected by urbanization or channelization.

07282300 Sabougla Creek tributary at Sabougla, MS

LOCATION:

Lat 33°46'10", long 89°27'30", in SE 1/4 sec.16, T.22 N., R.8 E., Choctaw Meridian, Calhoun County, Hydrologic Unit 08030205, at culvert on State Highway 8, and 0.5 mi south of Sabougla.

GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Oct. 1, 1973, rain-gage and water-stage recorders also.

DRAINAGE AREA: 0.50 mi<sup>2</sup> SLOPE: 38.2 ft/mi LENGTH: 1.0 mi

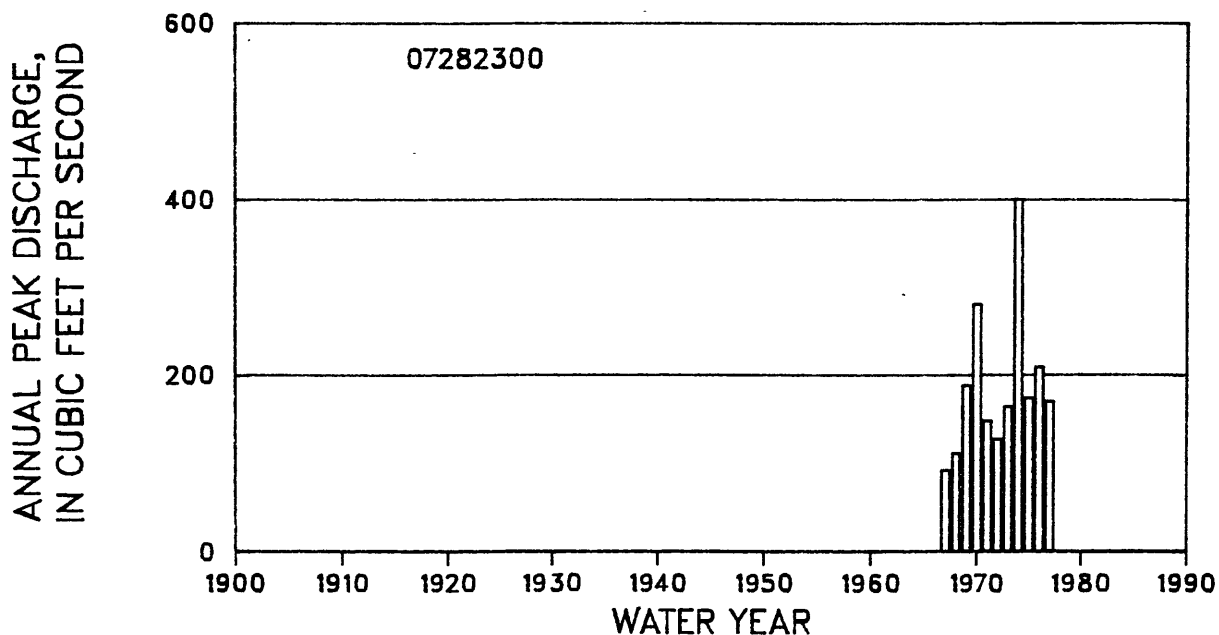
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.240  
STANDARD DEVIATION 0.178  
SKEW 0.102

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	173	245	295	361	412	465	519	595
REGIONAL	231	319	374	458	507	571	605	679
WEIGHTED	180	258	314	395	454	519	568	647

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	13	15	18	24	30	36	43	53
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	12	13	15	19	21	24	27	30

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 11

Graph of annual peak discharges is shown below.



07282300 Sabougla Creek tributary at Sabougla, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1967	8/ 2/67	4.22	93	1973	3/16/73	6.16	165
1968	5/ 8/68	4.49	112	1974	7/11/74	7.69	401
1969	4/13/69	5.49	189	1975	3/13/75	5.31	175
1970	3/19/70	6.51	281	1976	11/ 6/75	6.57	210
1971	4/21/71	4.99	149	1977	1/ 9/77	5.26	171
1972	3/ 7/72	5.73	128				

07282500 Yalobusha River at Graysport, MS

LOCATION:

Lat 33°49'00", long 89°37'00", in E 1/2 sec.36, T.23 N., R.6 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, at bridge on State Highway 8, 0.5 mi north of Graysport, 0.5 mi downstream from Butputter Creek, 4.5 mi upstream from Redgrass Creek, 11 mi east of Grenada, and 11.2 mi upstream from Skuna River.

GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 179.91 ft above sea level.

DRAINAGE AREA: 607 mi<sup>2</sup>

SLOPE: 2.3 ft/mi

LENGTH: 56.9 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:

MEAN 4.259

STANDARD DEVIATION 0.275

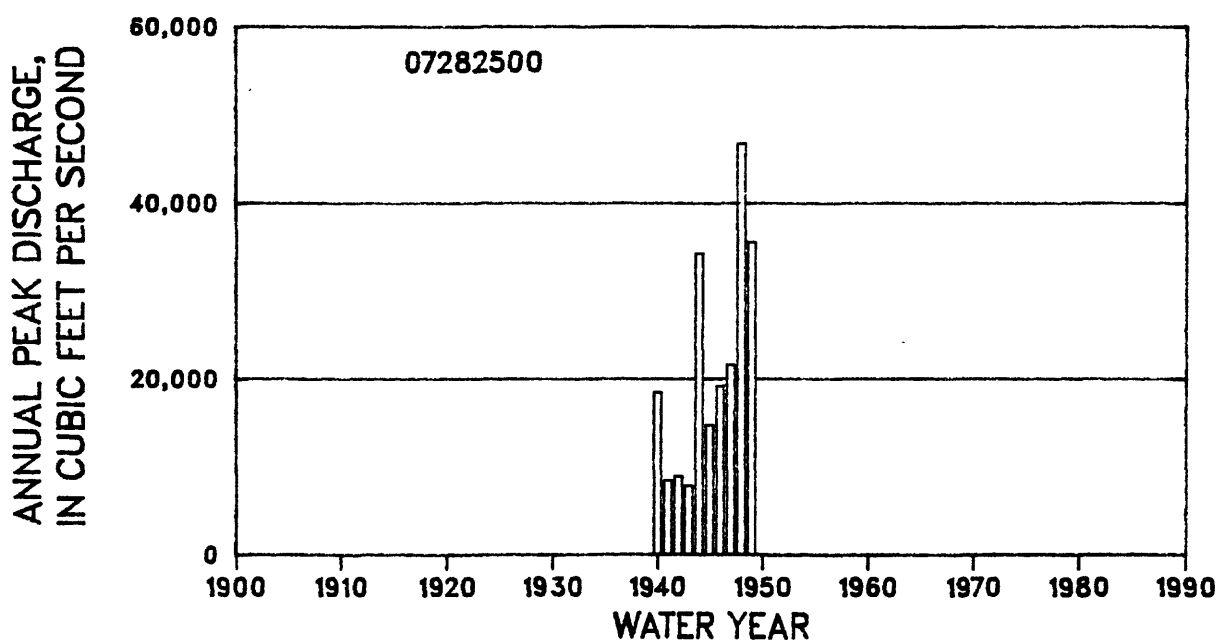
SKEW -0.066

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	18,300	31,000	40,700	54,200	65,200	76,900	89,300	107,000
REGIONAL	18,300	30,600	40,000	52,400	60,800	73,300	82,200	94,800
WEIGHTED	18,300	30,900	40,400	53,100	62,300	74,400	83,900	97,300

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	22	23	27	36	44	54	65	82
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	18	18	20	23	25	28	31	34

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 10

Graph of annual peak discharges is shown below.





## 07282500 Yalobusha River at Graysport, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1940	4/19/40	24.76	18,500	1945	3/ 5/45	24.39	14,800
1941	12/17/40	23.54	8,470	1946	1/ 9/46	25.52	19,200
1942	11/23/41	23.63	8,940	1947	4/12/47	25.89	21,600
1943	3/14/43	23.44	7,840	1948	2/13/48	28.25	46,800
1944	3/29/44	27.00	34,300	1949	1/ 5/49	27.56	35,600

# 07283000 Skuna River at Bruce, MS

## LOCATION:

Lat 33°58'25", long 89°20'50", in SW 1/4 SW 1/4 sec.6, T.13 S., R.1 W., Chickasaw Meridian, Calhoun County, Hydrologic Unit 08030205, on left (revised) bank on downstream side of bridge on State Highway 9, and 1.0 mi south of Bruce.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 228.45 ft above sea level. Prior to Jan. 1, 1972, at datum 10.30 ft higher. From Oct. 1947, to Aug. 30, 1948, nonrecording gage; from Aug. 31, 1948, to Mar. 23, 1955, water-stage recorder; from Mar. 24, 1955, to Sept. 12, 1958, nonrecording gage.

DRAINAGE AREA: 254 mi<sup>2</sup> SLOPE: 3.6 ft/mi LENGTH: 31.2 mi

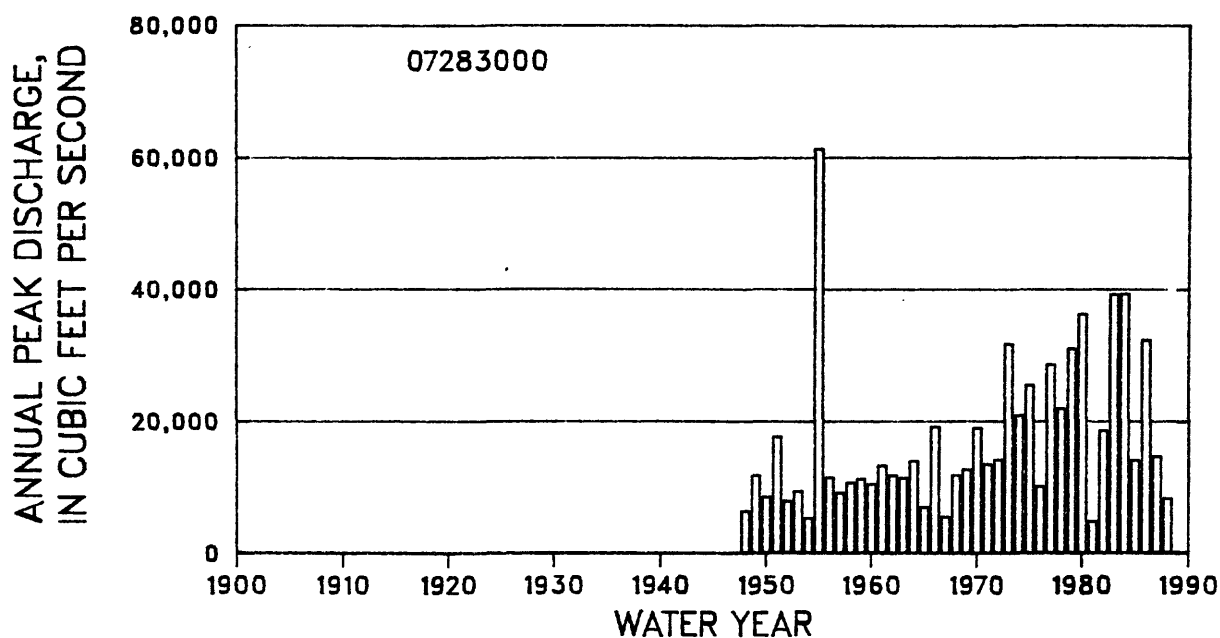
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.252  
STANDARD DEVIATION 0.255  
SKEW -0.277

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	18,300	29,400	37,100	47,100	54,500	62,000	69,500	79,500
T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	13	13	15	19	23	28	34	41

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 23

NOTE: The discharges are affected by channelization. The slope and length may not be fully representative of current conditions. The statistics of logarithms of annual peak discharge and the flood-frequency discharges are for current conditions. The discharges are unweighted station estimates, which may be more uncertain than is indicated by the standard error of estimate.

Graph of annual peak discharges is shown below.



## 07283000 Skuna River at Bruce, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1948	3/17/48	--	6,500 c	1969	4/14/69	19.21 a	12,800 j
1949	1/ 5/49	21.14 a	11,900	1970	4/26/70	18.91 a	19,100 j
1950	3/14/50	20.63 a	8,650	1971	2/21/71	16.15 a	13,600 j
1951	3/29/51	21.62 a	17,800	1972	1/ 4/72	22.48 b	14,300 j
1952	12/26/51	20.48 a	8,050	1973	3/16/73	30.47	31,800 j
1953	2/21/53	20.83 a	9,480	1974	5/15/74	24.20	21,000 j
1954	2/20/54	18.96 a	5,400	1975	3/14/75	26.12	25,600 j
1955	3/21/55	24.11 a	61,400	1976	10/17/75	18.89	10,200 j
1956	4/30/56	21.21 a	11,600	1977	3/ 4/77	28.36	28,700 j
1957	2/ 1/57	20.53 a	9,250	1978	5/ 7/78	25.84	22,000 j
1958	9/20/58	19.78 a	10,800	1979	4/12/79	29.19	31,100 j
1959	6/10/59	20.18 a	11,400	1980	11/25/79	28.90	36,300 j
1960	12/18/59	19.58 a	10,600	1981	3/ 4/81	14.53	4,900 j
1961	2/20/61	20.24 a	13,400	1982	4/ 2/82	22.49	18,700 j
1962	4/11/62	19.59 a	11,900	1983	12/26/82	29.81	39,300 j
1963	3/12/63	18.36 a	11,500	1984	12/ 3/83	29.83	39,400 j
1964	3/15/64	19.89 a	14,100	1985	2/24/85	20.34	14,200 j
1965	2/11/65	14.87 a	7,060	1986	6/ 6/86	27.66	32,400 j
1966	2/10/66	20.64 a	19,300 j	1987	2/18/87	20.69	14,800 j
1967	8/ 4/67	13.11 a	5,580 j	1988	4/ 2/88	17.16	8,410 j
1968	1/10/68	18.58 a	11,900 j				

HISTORICAL DATA: The 1955 peak appears to be the highest known since 1892.

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

c Estimated.

j Discharge affected by urbanization or channelization.

07283490 Caney Creek near Coffeeville, Ms

LOCATION:

Lat 33°55'40", long 89°38'20", in SE 1/4 NE 1/4 SW 1/4 sec.23, T.24 N., R.6 E.,  
Choctaw Meridian, Yalobusha County, Hydrologic Unit 08030205, at culvert on  
State Highway 330, and 4.2 mi east of Coffeeville.

GAGE:

Crest-stage gage. Datum of gage is assumed. From May 26, 1965, to Sept. 29, 1971,  
rain-gage and water-stage recorder also.

DRAINAGE AREA: 1.97 mi<sup>2</sup> SLOPE: 33.5 ft/mi LENGTH: 2.8 mi

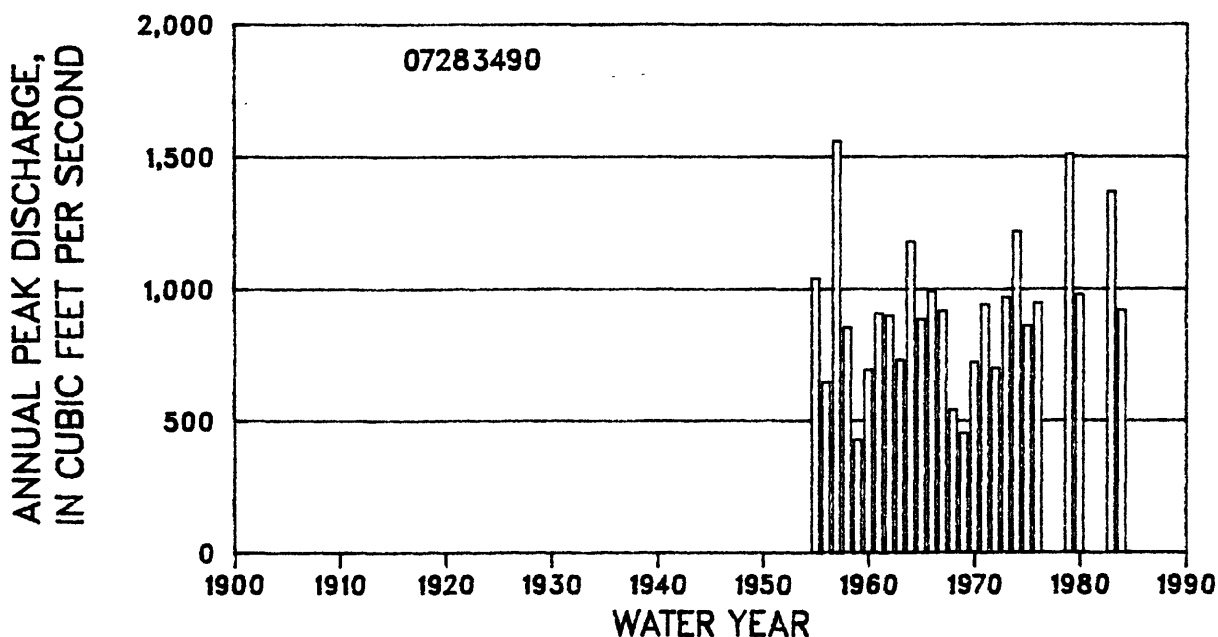
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.942  
STANDARD DEVIATION 0.139  
SKEW -0.246

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	887	1,150	1,310	1,490	1,620	1,740	1,860	2,000
REGIONAL	644	914	1,070	1,310	1,440	1,640	1,740	1,960
WEIGHTED	876	1,140	1,290	1,470	1,600	1,720	1,840	1,990

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	7	7	8	10	12	14	17	21
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	7	7	7	9	11	13	15	18

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 26

Graph of annual peak discharges is shown below.



## 07283490 Caney Creek near Coffeeville, Ms

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	3/21/55	7.70	1,040	1969	2/ 2/69	6.41	451
1956	unknown	6.42	645	1970	4/26/70	7.46	721
1957	7/ 1/57	10.00	1,560	1971	4/21/71	7.16	942
1958	9/20/58	10.21	854	1972	3/ 2/72	6.66	700
1959	2/12/59	5.66	428	1973	1/21/73	8.13	969
1960	10/14/59	5.89	692	1974	5/15/74	8.98	1,220
1961	2/21/61	6.99	908	1975	3/13/75	7.76	860
1962	12/18/61	7.99	900	1976	3/27/76	8.06	948
1963	3/11/63	6.25	730	1979	9/13/79	9.94	1,510
1964	3/14/64	8.52	1,180	1980	4/12/80	8.16	978
1965	2/12/65	6.88	886	1981	6/ 3/81	6.08	--
1966	2/10/66	7.39	992	1982	8/11/82	8.18	--
1967	9/11/67	7.04	918	1983	5/18/83	10.03	1,370
1968	1/10/68	6.76	540	1984	5/ 8/84	7.33	920

07283500 Skuna River near Coffeeville, MS

LOCATION:

Lat 33°34'35", long 89°38'30", in NW 1/4 sec.35, T.24 N., R.6 E., Choctaw Meridian, Yalobusha County, Hydrologic Unit 08030205, at bridge on county road, 1 mi south of Gums, 3.2 mi upstream from Turkey Creek, 5 mi south of Coffeeville, and 9.2 mi upstream from mouth.

GAGE:

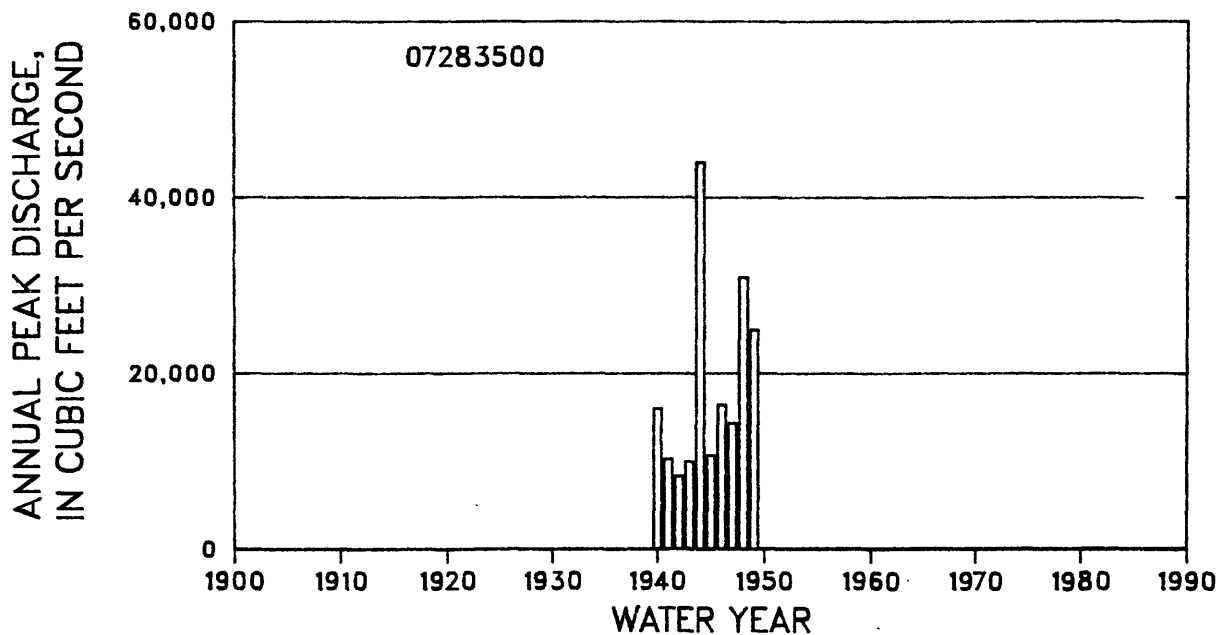
Continuous-discharge gage, water-stage recorder. Datum of gage is 188.46 ft above sea level.

DRAINAGE AREA: 435 mi<sup>2</sup>      SLOPE: 2.9 ft/mi      LENGTH: 52.0 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:	MEAN	4.182
	STANDARD DEVIATION	0.208
	SKEW	0.218

NOTE: The discharges are affected by channelization. The statistics of logarithms of annual peak discharge are for natural conditions. No estimates of flood-frequency discharges for current conditions are presented in this report.

Graph of annual peak discharges is shown below.



## 07283500 Skuna River near Coffeerville, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1940	4/20/40	20.58	16,100	1945	3/ 5/45	20.16	10,700
1941	12/17/40	19.78	10,300	1946	1/ 9/46	21.07	16,500
1942	3/19/42	19.46	8,350	1947	4/12/47	20.87	14,400
1943	3/14/43	19.76	10,000	1948	2/14/48	22.15	31,000
1944	3/29/44	23.22	44,000	1949	1/ 4/49	21.75	25,000

HISTORICAL DATA: The 1940 peak is the highest known since 1928.

07285000 Yalobusha River at Grenada Dam near Grenada, MS

LOCATION:

Lat 33°48'31", long 89°46'14", in NE 1/4 NE 1/4 sec.4, T.22 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, in gatehouse of Grenada Dam, 2.2 mi upstream from Batupan Bogue, 2.7 mi northeast of Grenada, and 63.6 mi upstream from mouth.

GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is sea level. Prior to Dec. 19, 1953, nonrecording gage. Prior to Oct. 1, 1958, at datum 160.00 ft above sea level.

DRAINAGE AREA: 1,320 mi<sup>2</sup>

SLOPE: 2.2 ft/mi

LENGTH: 66.1 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:

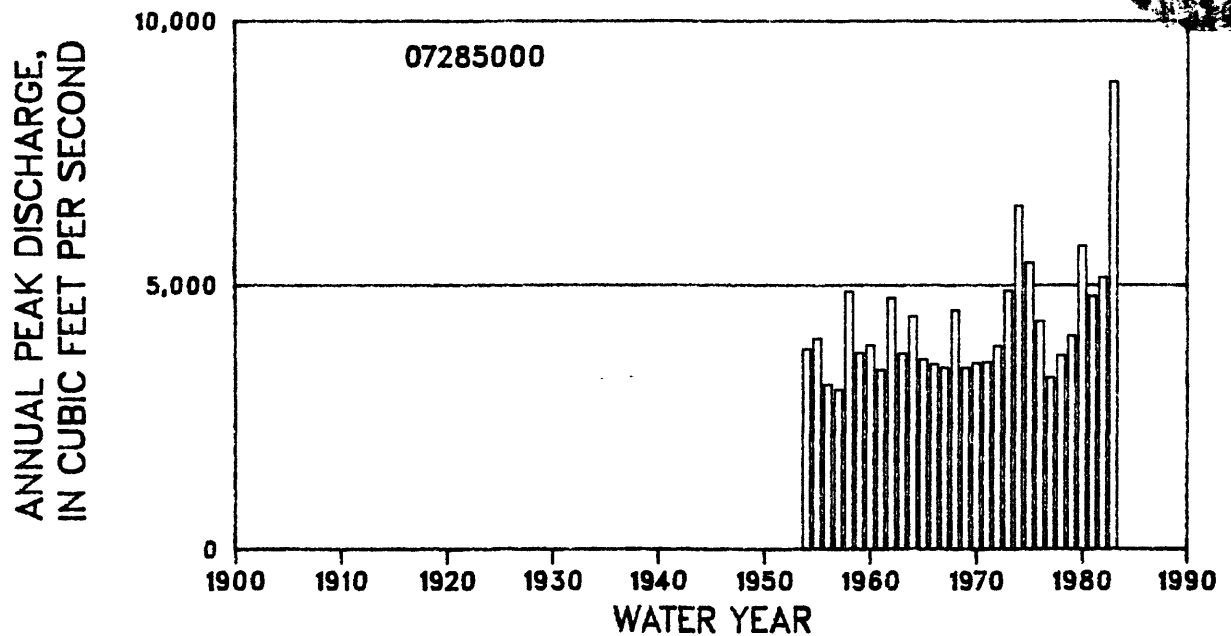
MEAN 3.620

STANDARD DEVIATION --

SKEW --

NOTE: Discharges are substantially affected by the operation of Grenada Reservoir. Only the mean of logarithms of annual peak discharge for regulated conditions is presented. For additional information, contact the U.S. Army Corps of Engineers, Vicksburg District.

Graph of annual peak discharges is shown below.





## 07285000 Yalobusha River at Grenada Dam near Grenada, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1954	3/ 9/54	--	3,790 k	1969	9/ 4/69	--	3,440 k
1955	3/31/55	--	3,990 k	1970	1/13/70	--	3,530 k
1956	5/ 7/56	--	3,120 k	1971	9/30/71	--	3,550 ek
1957	9/19/57	--	3,020 k	1972	9/24/72	--	3,850 ek
1958	1/ 3/58	--	4,880 k	1973	4/27/73	--	4,900 ek
1959	11/ 3/58	--	3,720 ek	1974	2/12/74	--	6,510 ek
1960	2/19/60	--	3,870 k	1975	2/28/75	--	5,430 ek
1961	6/17/61	--	3,400 k	1976	10/ 3/75	--	4,330 ek
1962	4/20/62	--	4,760 k	1977	9/21/77	--	3,260 ek
1963	7/19/63	--	3,710 k	1978	8/ 2/78	--	3,680 ek
1964	8/24/64	--	4,420 k	1979	6/26/79	--	4,050 ek
1965	9/28/65	--	3,600 k	1980	4/24/80	--	5,750 ek
1966	1/ 3/66	--	3,510 k	1981	2/ 4/81	--	4,800 ek
1967	6/ 7/67	--	3,440 k	1982	1/ 7/82	--	5,150 ek
1968	1/24/68	--	4,530 k	1983	5/22/83	--	8,850 ek

e Discharge is a maximum daily average.

k Discharge affected by regulation.

07285100 Tie Plant Branch near Grenada, MS

LOCATION:

Lat 33°43'40", long 89°47'20", in SE 1/4 NE 1/4 SE 1/4 sec.32, T.22 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, at culvert on U.S. Highway 51, and 3.3 mi south of Grenada.

GAGE:

Crest-stage gage. From June 15, 1965, to Sept. 30, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.17 mi<sup>2</sup> SLOPE: 93.7 ft/mi LENGTH: 0.6 mi

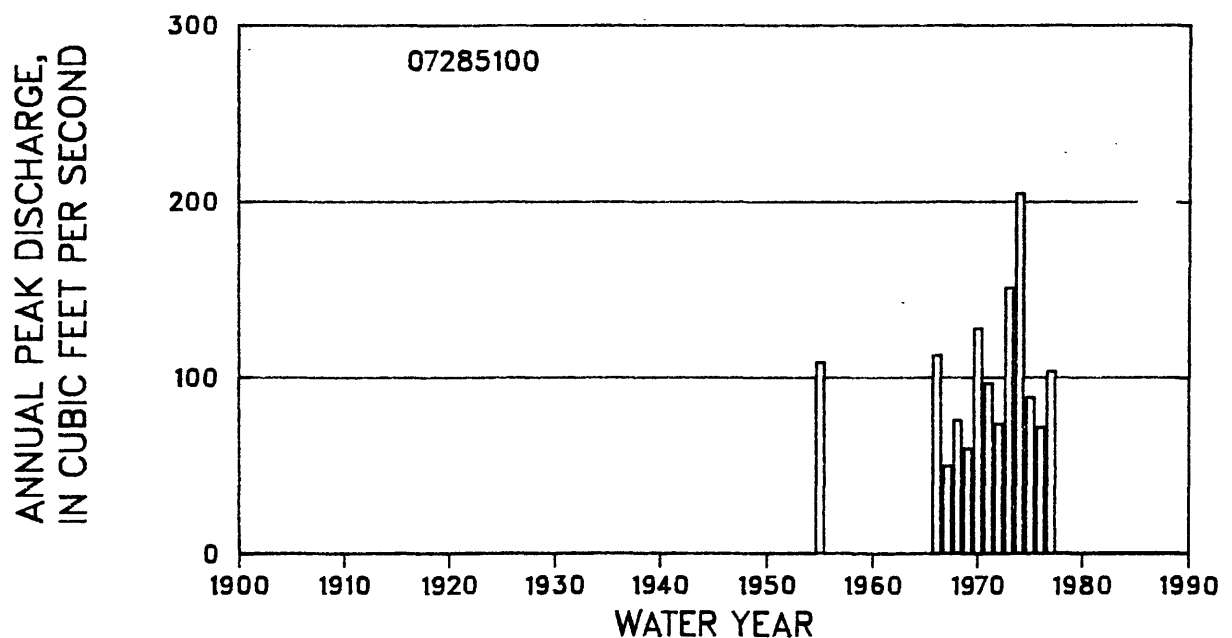
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 1.967  
STANDARD DEVIATION 0.153  
SKEW 0.028

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	92	125	146	172	192	212	232	259
REGIONAL	149	199	227	271	295	328	341	379
WEIGHTED	97	133	158	194	221	251	275	313

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	11	12	14	18	22	27	32	39
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	10	11	12	15	18	21	23	27

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 13

Graph of annual peak discharges is shown below.



07285100 Tie Plant Branch near Grenada, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	3/21/55	4.79	109	1972	6/14/72	4.17	74
1966	2/10/66	4.86	113	1973	1/21/73	5.46	151
1967	8/ 2/67	3.70	50	1974	6/ 7/74	6.23	205
1968	3/11/68	4.23	76	1975	3/13/75	4.47	89
1969	9/ 3/69	3.89	60	1976	10/ 1/75	4.14	72
1970	4/ 1/70	5.12	128	1977	9/20/77	4.72	104
1971	8/ 9/71	4.60	97				

HISTORICAL DATA: The 1974 peak is the highest known since 1955.

# 07285500 Yalobusha River at Grenada, MS

## LOCATION:

Lat 33°47'19". long 89°48'36", in NE 1/4 sec.7, T.22 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, at bridge on U.S. Highway 51 in Grenada, 0.8 mi downstream from Illinois Central Railroad bridge, and 1 mi downstream from Batupan Bogue.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 152.03 ft above sea level. Nonrecording gage prior to Oct. 30, 1944. Prior to July 23, 1941, at site 0.1 mi downstream.

DRAINAGE AREA: 1,550 mi<sup>2</sup> SLOPE: 2.2 ft/mi LENGTH: 69.3 mi

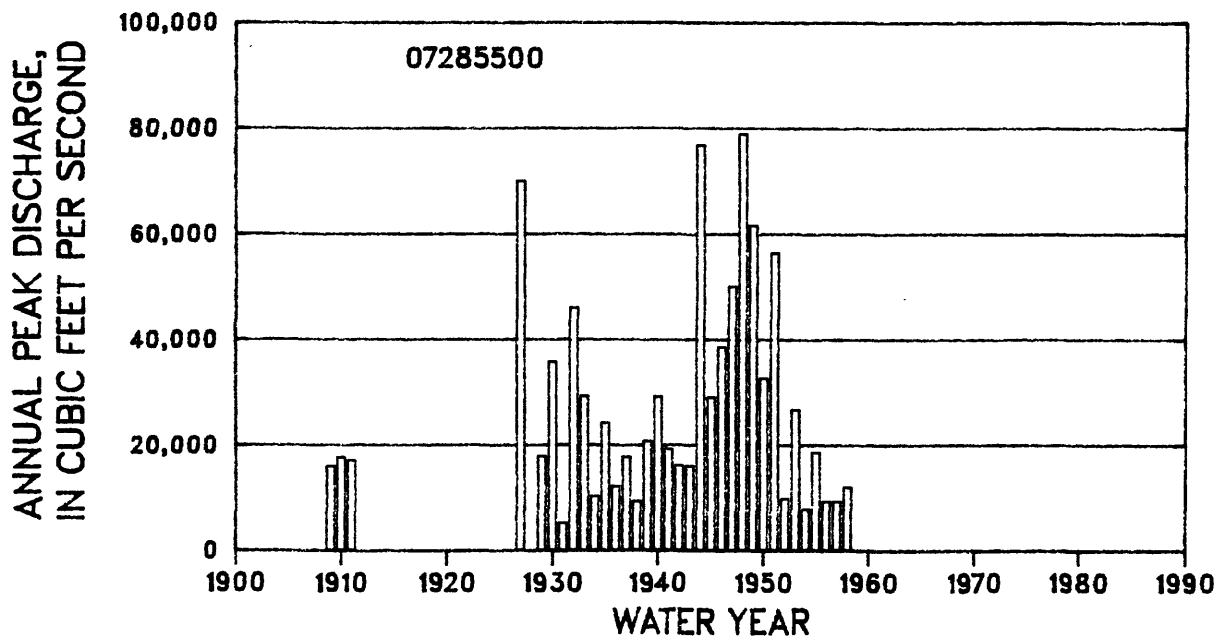
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.036  
STANDARD DEVIATION 0.147  
SKEW 0.400

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	10,600	14,300	--	--	--	--	--	--
T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	17	20	--	--	--	--	--	--

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 5

NOTE: The discharges are affected by regulation (Grenada Reservoir). The statistics of logarithms of annual peak discharge and flood-frequency discharges are for current conditions and are based on the pattern of regulation. If the pattern of regulation is altered, the flood-frequency for this station will be altered. The discharges are unweighted station estimates, which may be more uncertain than is indicated by the standard error of estimate. The period of record for current conditions is insufficient for station estimates of large recurrence interval floods.

Graph of annual peak discharges is shown below.



## 07285500 Yalobusha River at Grenada, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1909	5/27/ 9	24.60 a	15,900 e	1956	2/ 4/56	20.36	9,300 k
1910	7/ 9/10	25.70 a	17,600 e	1957	2/ 4/56	20.36	9,300 k
1911	4/22/11	25.40 a	17,000 e	1958	11/14/57	22.10	12,000 k
1927	unknown	30.10 a	70,000	1959	2/13/59	20.30	--
1929	3/25/29	25.42 a	17,800	1960	12/17/59	22.30	--
1930	5/20/30	27.49 a	35,700	1961	2/20/61	21.90	--
1931	4/ 1/31	20.64 a	5,180	1962	11/14/61	25.40	--
1932	1/13/32	28.40 a	46,000	1963	3/ 5/63	13.52	--
1933	12/14/32	26.90 a	29,200	1964	4/27/64	20.40	--
1935	3/12/35	26.33 a	24,100	1965	3/29/65	19.05	--
1936	4/ 9/36	24.68 a	12,100	1966	2/10/66	22.45	--
1937	1/25/37	25.43 a	17,700	1967	2/20/67	12.40	--
1938	4/12/38	24.10 a	9,300	1968	1/10/68	21.45	--
1939	3/30/39	26.30 a	20,700	1969	3/23/69	18.60	--
1940	4/21/40	27.26 a	29,100	1970	4/16/70	21.95	--
1941	12/18/40	26.16 a	19,200	1971	2/22/71	17.68	--
1942	11/23/42	25.35	16,100	1972	1/ 4/72	20.10	--
1943	3/16/43	25.65	16,000	1973	3/16/73	25.59	--
1944	3/29/44	30.53	76,800	1974	12/25/73	21.70 q	--
1945	3/ 4/45	27.24	29,000	1975	3/13/75	22.79	--
1946	1/10/46	28.40	38,500	1976	3/ 9/76	18.74	--
1947	4/11/47	29.35	50,100	1977	3/ 4/77	22.50 q	--
1948	2/14/48	30.78	78,900	1978	11/21/77	23.63	--
1949	1/ 5/49	30.30	61,600	1979	1/20/79	20.80 q	--
1950	3/15/50	27.88	32,600	1980	3/17/80	22.20 q	--
1951	3/30/51	29.72	56,400	1981	3/30/81	12.80 q	--
1952	12/21/51	24.60	9,800	1982	4/20/82	21.30 q	--
1953	2/23/53	25.71	26,600	1983	12/28/82	27.30 q	--
1954	2/20/54	19.91	7,800 k	1984	12/ 3/83	27.70 q	--
1955	4/13/55	--	18,600 k				

a Gage height at different site and (or) datum.

e Discharge is a maximum daily average.

k Discharge affected by regulation.

q Gage height is a daily reading and may not be the maximum gage height for the water year.

07285700 Long Creek near Cascilla, MS

LOCATION:

Lat 33°51'40", long 89°59'05", in NE 1/4 sec.16, T.23 N., R.3 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030205, at culvert on county highway, and 1.1 mi east of Cascilla.

GAGE:

Crest-stage gage. Datum of gage is assumed. From May 27, 1965, to Sept. 28, 1971, water-stage and rain-gage recorder also.

DRAINAGE AREA: 1.64 mi<sup>2</sup> SLOPE: 45.1 ft/mi LENGTH: 1.5 mi

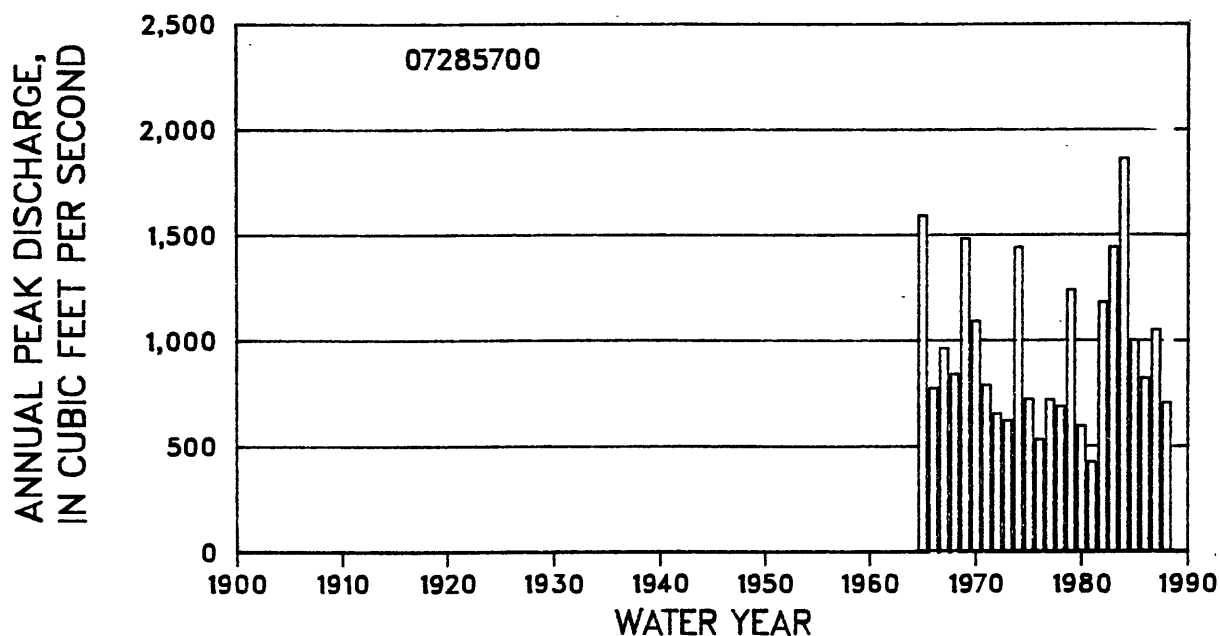
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.955  
STANDARD DEVIATION 0.166  
SKEW 0.007

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	901	1,240	1,470	1,760	1,980	2,190	2,410	2,710
REGIONAL	683	985	1,170	1,450	1,610	1,820	1,920	2,150
WEIGHTED	886	1,220	1,430	1,700	1,890	2,080	2,240	2,480

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	8	9	11	14	17	21	25	30
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	8	9	10	13	15	18	20	23

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 24

Graph of annual peak discharges is shown below.



## 07285700 Long Creek near Cascilla, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1965	8/ 8/65	11.58	1,590	1977	4/ 4/77	7.44	719
1966	4/21/66	7.75	775	1978	1/25/78	7.26	687
1967	12/ 9/66	8.73	962	1979	4/12/79	10.09	1,240
1968	7/22/68	8.10	841	1980	4/12/80	6.73	594
1969	11/27/68	11.19	1,480	1981	3/ 4/81	5.70	423
1970	3/19/70	9.38	1,090	1982	4/ 2/82	10.40	1,180
1971	10/12/70	7.82	788	1983	12/26/82	10.99	1,440
1972	3/ 2/72	7.07	653	1984	5/ 8/84	12.70	1,860
1973	4/24/73	6.88	620	1985	8/ 7/85	8.97	1,000
1974	5/15/74	11.00	1,440	1986	6/ 4/86	9.57	820
1975	12/24/74	7.45	721	1987	3/18/87	10.03	1,050
1976	3/ 8/76	6.35	530	1988	11/17/87	9.25	705

07286000 Askalmore Creek near Charleston, MS

LOCATION:

Lat 33°55'05", long 90°04'10", in SE 1/4 sec.27, T.24 N., R.2 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030205, at bridge on county highway from Charleston to Holcomb, 0.4 mi downstream from Shook Creek, 1.4 mi downstream from Young Creek, 6.5 mi south of Charleston, and 12.2 mi upstream from mouth.

GAGE:

Continuous-stage gage, water-stage recorder. Prior to Sept. 3, 1941, nonrecording gage. From Sept. 3, 1941 to Sept. 30, 1942; from May 20, 1946, to March 24, 1948; and from March 1957, to September 1958; water-stage recorder. From Nov. 1, 1951, to February 1957, crest-stage gage. Datum of gage is 161.95 ft above sea level. Prior to May 20, 1946, at datum 0.45 ft lower.

DRAINAGE AREA: 31.0 mi<sup>2</sup> SLOPE: 14.3 ft/mi LENGTH: 11.1 mi

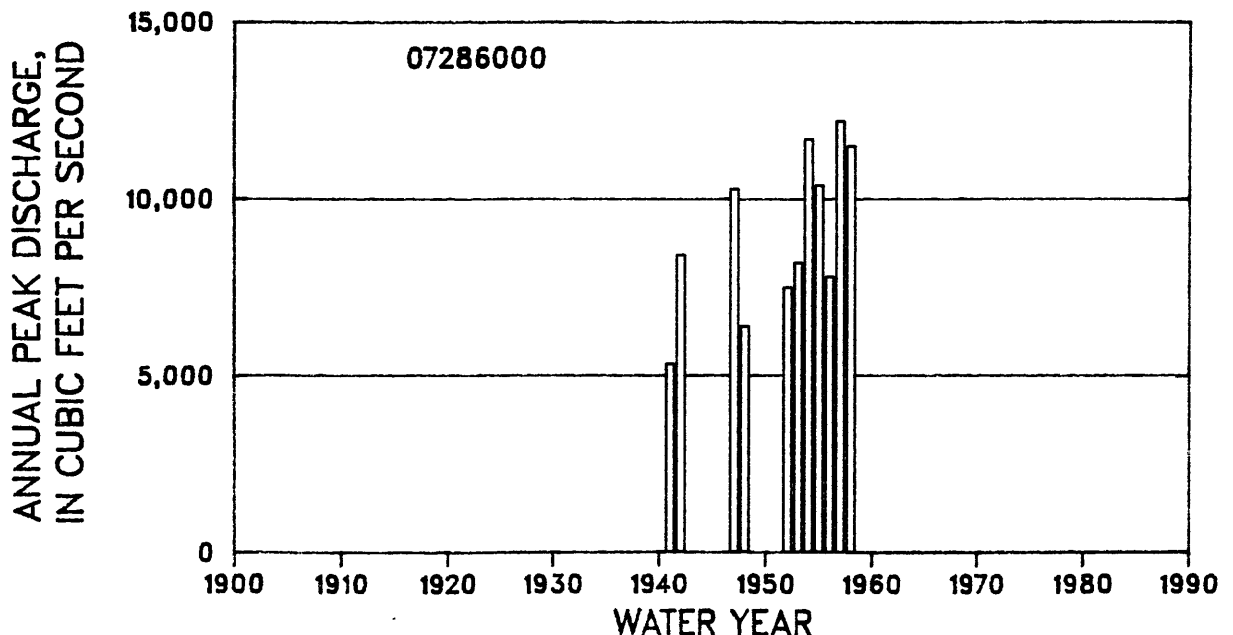
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.952  
STANDARD DEVIATION 0.105  
SKEW -0.171

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	9,010	11,000	12,100	13,400	14,400	15,200	16,000	17,000
REGIONAL	4,050	6,250	7,680	9,630	10,800	12,600	13,600	15,400
WEIGHTED	8,640	10,600	11,600	12,800	13,700	14,600	15,300	16,500

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	8	8	9	12	15	17	21	25
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	8	8	9	11	13	15	18	21

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 11

Graph of annual peak discharges is shown below.





## 07286000 Askalmore Creek near Charleston, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1941	8/ 1/41	10.50 a	5,350	1966	2/10/66	7.69	--
1942	5/14/42	12.90 a	8,420	1967	4/25/67	7.45	--
1947	4/11/47	14.80	10,300	1968	5/16/68	9.20 q	--
1948	2/12/48	11.90	6,400	1969	11/27/68	12.69	--
1952	4/24/52	12.83	7,500	1970	3/19/70	12.45	--
1953	2/20/53	13.33	8,200	1971	2/21/71	13.30	--
1954	5/27/54	15.80	11,700	1972	3/ 8/72	8.12	--
1955	3/21/55	14.80	10,400	1973	4/24/73	12.75	--
1956	2/ 4/56	13.05	7,800	1974	11/27/73	11.90	--
1957	4/ 4/57	16.10	12,200	1975	3/29/75	10.57	--
1958	11/16/57	15.60	11,500	1976	2/ 5/76	6.29	--
1959	2/12/59	11.42	--	1977	3/ 3/77	8.60	--
1960	3/ 2/60	8.30	--	1978	5/ 7/78	8.63	--
1961	2/20/61	14.04	--	1979	4/11/79	9.30 q	--
1962	4/11/62	13.15	--	1980	6/24/80	13.00 q	--
1963	4/28/63	10.29	--	1981	2/ 2/81	25.80 q	--
1964	4/23/64	8.32	--	1983	1/ 4/83	28.30 q	--
1965	2/11/65	10.40	--	1984	12/11/83	27.40 q	--

a Gage height at different site and (or) datum.

q Gage height is a daily reading and may not be the maximum gage height for the water year.

07286010 Brushy Creek tributary near Oxberry, MS

LOCATION:

Lat 33°50'45", long 90°03'10", in NE 1/4 sec.23, T.23 N., R.2 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, at culvert on State Highway 35, and 4.5 mi north of Oxberry.

GAGE:

Crest-stage gage. Datum of gage is assumed. From July 8, 1964, to Sept. 28, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 1.49 mi<sup>2</sup> SLOPE: 70.1 ft/mi LENGTH: 1.7 mi

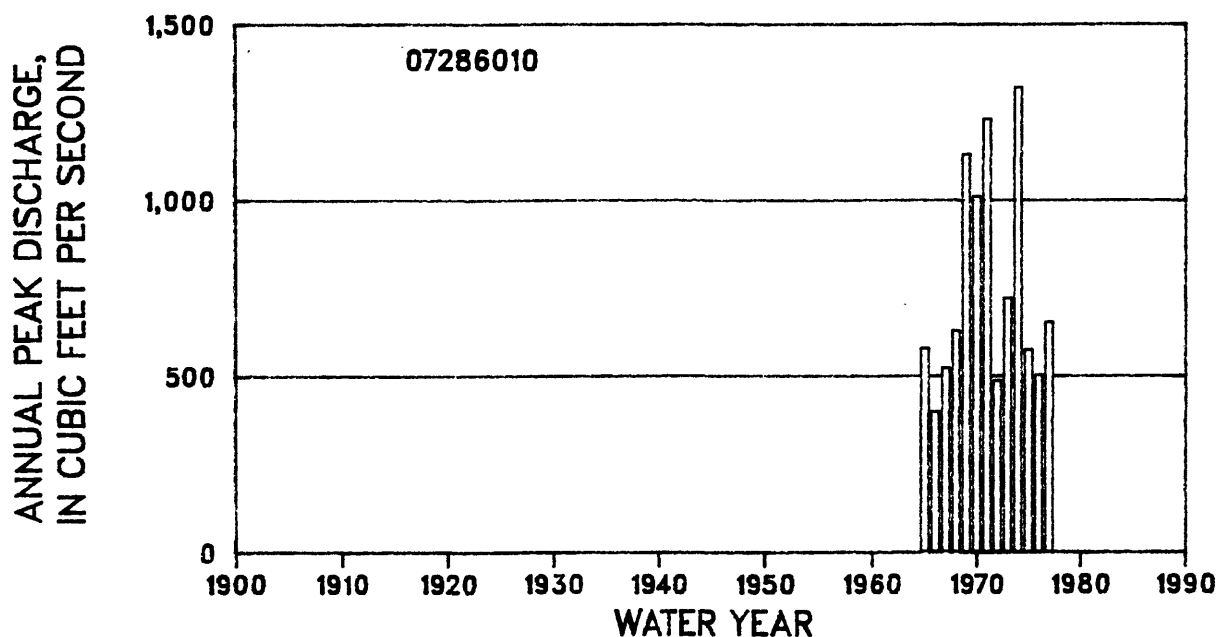
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.844  
STANDARD DEVIATION 0.169  
SKEW 0.096

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	694	967	1,150	1,400	1,580	1,770	1,970	2,240
REGIONAL	775	1,110	1,300	1,580	1,730	1,950	2,040	2,270
WEIGHTED	702	988	1,180	1,450	1,640	1,850	2,000	2,260

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	12	13	16	21	26	31	37	45
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	11	12	14	17	20	22	25	29

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 13

Graph of annual peak discharges is shown below.



07286010 Brushy Creek tributary near Oxberry, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1965	3/26/65	5.90	579	1972	3/ 2/72	4.96	487
1966	4/30/66	4.52	399	1973	4/24/73	6.05	722
1967	12/ 9/66	5.13	522	1974	11/27/73	8.31	1,320
1968	4/ 8/68	5.63	629	1975	5/15/75	5.38	575
1969	11/27/68	7.66	1,130	1976	10/16/75	5.04	503
1970	3/19/70	7.19	1,010	1977	4/ 4/77	5.74	653
1971	2/21/71	7.99	1,230				

# 07286047 Tipppo Bayou tributary at Phillip, MS

## LOCATION:

Lat 33°45'30", long 90°11'30", in NE 1/4 sec.21, T.22 N., R.1 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, at culvert on State Highway 8, and 0.8 mi east from Illinois Central Railroad in Phillip.

## GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Oct. 1, 1973, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.04 mi<sup>2</sup> SLOPE: 31.7 ft/mi LENGTH: 0.3 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 1.256  
STANDARD DEVIATION 0.115  
SKEW 0.273

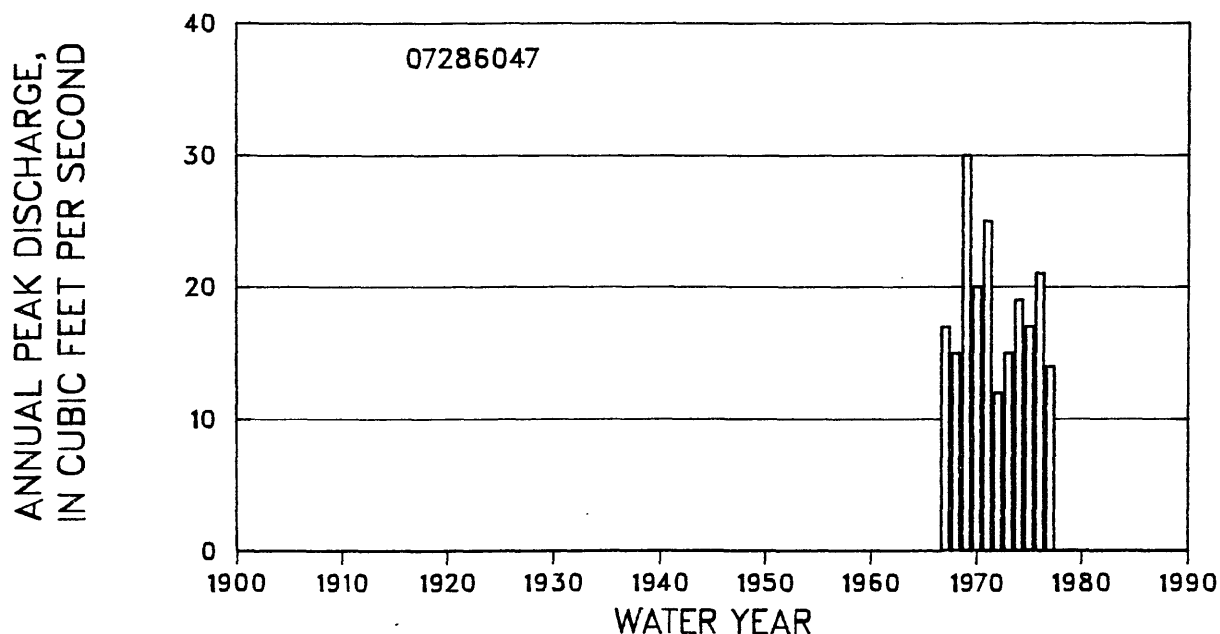
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	18	22	26	29	32	35	38	42

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	10	12	17	21	26	31	38

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 11

NOTE: The flood-frequency discharges are unweighted station estimates because the drainage area, slope and length are outside the limitations of the regional equations, as presented by Landers and Wilson (1991). The discharges may be more uncertain than is indicated by the standard error of estimate.

Graph of annual peak discharges is shown below.



## 07286047 Tippo Bayou tributary at Phillip, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1967	12/ 9/66	3.87	17	1973	1/20/73	3.74	15
1968	1/10/68	3.76	15	1974	6/ 8/74	3.94	19
1969	11/27/68	4.43	30	1975	5/15/75	4.11	17
1970	3/19/70	3.98	20	1976	10/16/75	4.06	21
1971	2/21/71	4.26	25	1977	7/29/77	3.68	14
1972	7/28/72	3.58	12				

# 07286200 Yalobusha River at Whaley, MS

## LOCATION:

Lat 33°37'33", long 90°06'27", in NE 1/4 sec.5, T.20 N., R.2 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, at bridge on county road at Whaley, and 10.2 mi upstream from mouth.

## GAGE:

Continuous-stage gage, water-stage recorder. Datum of gage is 107.80 ft above sea level. Nonrecording gage prior to Jan. 1, 1947.

DRAINAGE AREA: 1,960 mi<sup>2</sup>      SLOPE: 2.0 ft/mi      LENGTH: 102.9 mi

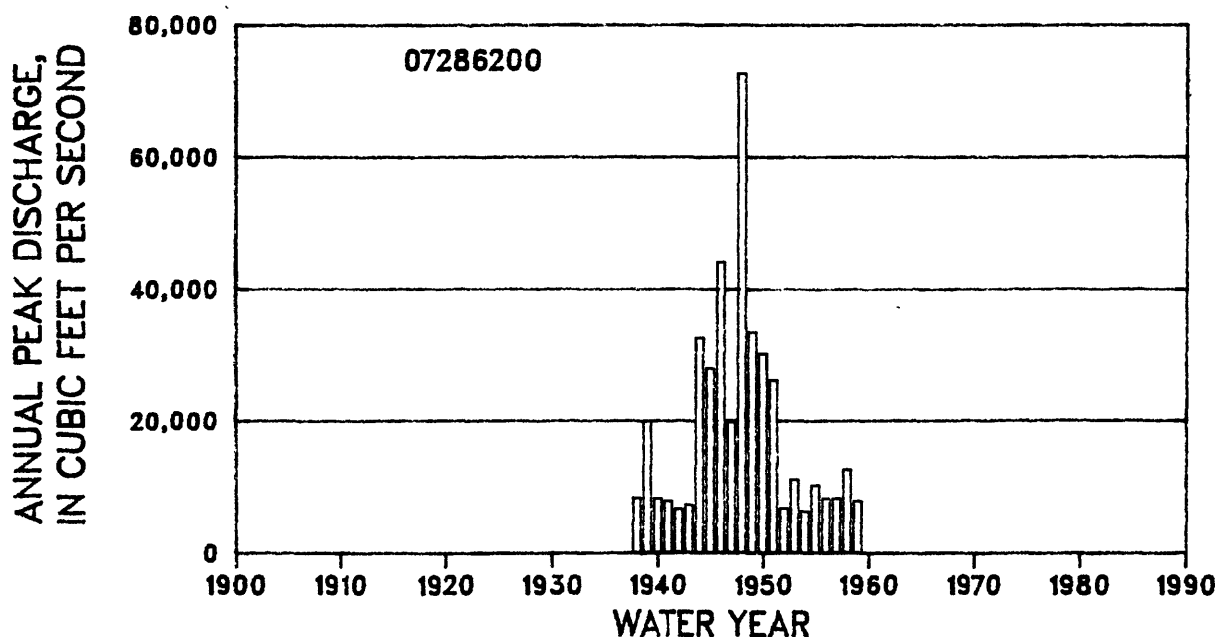
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN    3.938  
    STANDARD DEVIATION    0.105  
    SKEW        0.450

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	8,510	10,500	11,900	--	--	--	--	--
T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	11	13	16	--	--	--	--	--

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 6

NOTE: The discharges are affected by regulation (Grenada Reservoir). The statistics of logarithms of annual peak discharge and flood-frequency discharges are for current conditions and are based on the pattern of regulation. If the pattern of regulation is altered, the flood-frequency for this station will be altered. The discharges are unweighted station estimates, which may be more uncertain than is indicated by the standard error of estimate. The period of record for current conditions is insufficient for station estimates of large recurrence interval floods.

Graph of annual peak discharges is shown below.



## 07286200 Yalobusha River at Whaley, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1938	4/16/38	--	8,290	1962	1/29/62	24.03	--
1939	2/28/39	26.30	20,000	1963	7/16/63	20.15	--
1940	4/25/40	--	8,170	1964	4/26/64	24.25	--
1941	12/24/40	--	7,810	1965	2/11/65	23.06	--
1942	4/18/42	23.40	6,620	1966	2/10/66	22.77	--
1943	3/21/43	--	7,230	1967	2/21/67	18.50 q	--
1944	4/ 1/44	27.70	32,600	1968	1/11/68	24.08	--
1945	3/ 9/45	27.00	28,000	1969	2/ 2/69	21.08	--
1946	2/14/46	27.60	44,100	1970	4/16/70	22.53	--
1947	4/17/47	26.20	19,800	1971	2/21/71	22.18	--
1948	2/18/48	27.79	72,600	1972	1/ 4/72	22.44	--
1949	1/ 8/49	--	33,500	1973	3/19/73	26.52	--
1950	3/20/50	27.09	30,200	1974	1/26/74	25.98	--
1951	4/ 3/51	27.19	26,200	1975	3/31/75	24.73	--
1952	1/ 4/52	23.58	6,740	1976	1/ 2/76	22.18	--
1953	5/21/53	25.13	11,100	1977	3/ 6/77	22.30 q	--
1954	5/ 3/54	21.15	6,260 k	1978	11/21/77	24.05	--
1955	4/15/55	23.62	10,200 k	1979	1/26/79	27.30 q	--
1956	2/ 4/56	--	8,200 k	1980	4/15/80	25.60 q	--
1957	2/ 1/57	22.75	8,200 k	1981	2/ 6/81	19.70 q	--
1958	5/ 5/58	24.35	12,600 k	1982	4/21/82	22.90 q	--
1959	2/12/59	22.59	7,800 k	1983	12/28/82	27.00 q	--
1960	3/ 2/60	22.50	--	1984	1/ 1/84	24.90 q	--
1961	3/31/61	24.18	--				

k Discharge affected by regulation.

q Gage height is a daily reading and may not be the maximum gage height for the water year

07286500 Thompson Creek at McCarley, MS

LOCATION:

Lat 33°31'25", long 89°50'40", in NW 1/4 SE 1/4 sec.11, T.19 N., R.4 E., Choctaw Meridian, Carroll County, Hydrologic Unit 08030205, at county road, and 0.6 mi west of McCarley.

GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 251.86 ft above sea level.

DRAINAGE AREA: 14.4 mi<sup>2</sup> SLOPE: 19.5 ft/mi LENGTH: 8.4 mi

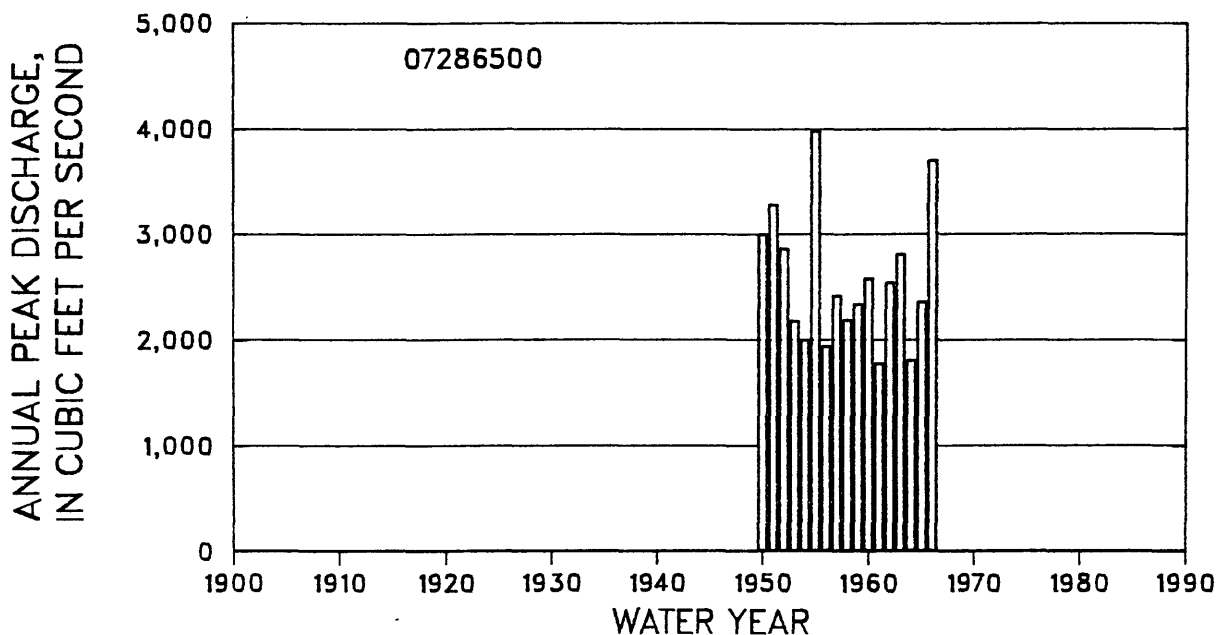
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.399  
STANDARD DEVIATION 0.102  
SKEW 0.097

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	2,500	3,050	3,400	3,820	4,120	4,410	4,700	5,080
REGIONAL	2,490	3,740	4,520	5,570	6,210	7,190	7,720	8,720
WEIGHTED	2,500	3,080	3,470	3,990	4,390	4,850	5,270	5,890

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	6	7	8	11	13	16	19	23
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	6	7	8	10	12	14	17	20

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 17

Graph of annual peak discharges is shown below.





## 07286500 Thompson Creek at McCarley, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1950	8/28/50	12.58	3,000	1959	5/30/59	11.91	2,340
1951	3/27/51	12.96	3,280	1960	12/17/59	12.48	2,580
1952	12/20/51	12.42	2,860	1961	3/30/61	10.26	1,780
1953	2/20/53	11.26	2,180	1962	11/13/61	12.40	2,540
1954	4/29/54	10.84	2,000	1963	7/16/63	13.18	2,810
1955	4/12/55	14.05	3,980	1964	4/12/64	10.49	1,810
1956	2/ 4/56	10.58	1,940	1965	2/12/65	12.02	2,360
1957	1/ 4/57	12.06	2,420	1966	2/10/66	15.26	3,700
1958	6/20/58	11.49	2,190				

07286520 Big Sand Creek trib. near North Carrollton, MS

LOCATION:

Lat 33°31'30", long 89°52'50", on line between SE 1/4 and NE 1/4 sec.9, T.19 N., R.4 E., Choctaw Meridian, Carroll County, Hydrologic Unit 08030205, at culvert on county highway, and 2.4 mi east of North Carrollton.

GAGE:

Crest-stage gage. Datum of gage is assumed. From July 22, 1964, to Sept. 28, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.06 mi<sup>2</sup> SLOPE: 106 ft/mi LENGTH: 0.5 mi

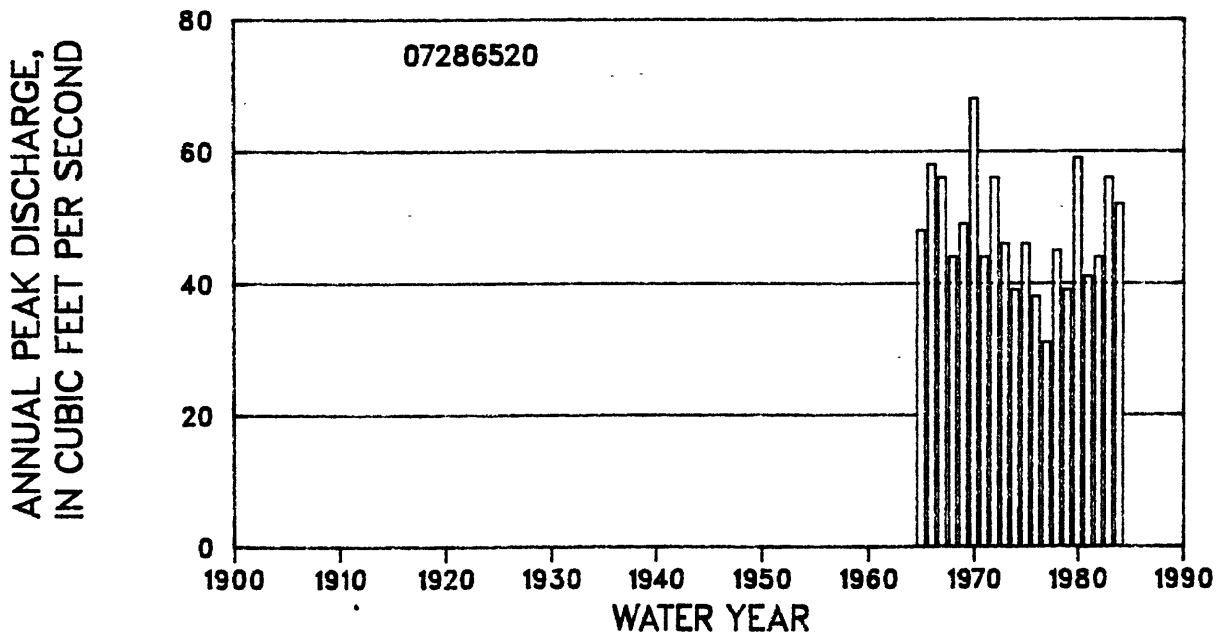
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 1.674  
STANDARD DEVIATION 0.081  
SKEW -0.122

	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
T	2	5	10	25	50	100	200	500
STATION	47	55	60	65	68	72	75	78
REGIONAL	65	83	92	107	115	128	133	147
WEIGHTED	48	56	61	66	71	75	79	85

	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
T	2	5	10	25	50	100	200	500
STATION	5	5	5	7	9	10	12	15
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	4	5	5	7	8	10	11	14

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 20

Graph of annual peak discharges is shown below.



## 07286520 Big Sand Creek trib. near North Carrollton, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1965	2/12/65	5.75	48	1975	2/23/75	5.61	46
1966	2/10/66	6.43	58	1976	10/16/75	5.13	38
1967	7/ 1/67	6.30	56	1977	3/ 3/77	4.76	31
1968	3/21/68	5.49	44	1978	7/25/78	5.55	45
1969	4/13/69	5.82	49	1979	1/20/79	5.23	39
1970	12/30/69	7.25	68	1980	6/24/80	6.19	59
1971	10/13/70	5.49	44	1981	6/ 3/81	5.31	41
1972	7/ 3/72	6.28	56	1982	4/19/82	5.49	44
1973	1/21/73	5.63	46	1983	12/26/82	6.27	56
1974	6/ 8/74	5.21	39	1984	12/ 3/83	6.01	52

# 07286700 Big Sand Creek at Carrollton, MS

## LOCATION:

Lat 33°00'45", long 89°55'10", in SW 1/4 NW 1/4 sec.18, T.19 N., R.4 E., Choctaw Meridian, Carroll County, Hydrologic Unit 08030205, and at bridge between Carrollton and North Carrollton.

## GAGE:

Crest-stage gage. Datum of gage is assumed.

DRAINAGE AREA: 74.1 mi<sup>2</sup> SLOPE: 10.6 ft/mi LENGTH: 13.6 mi

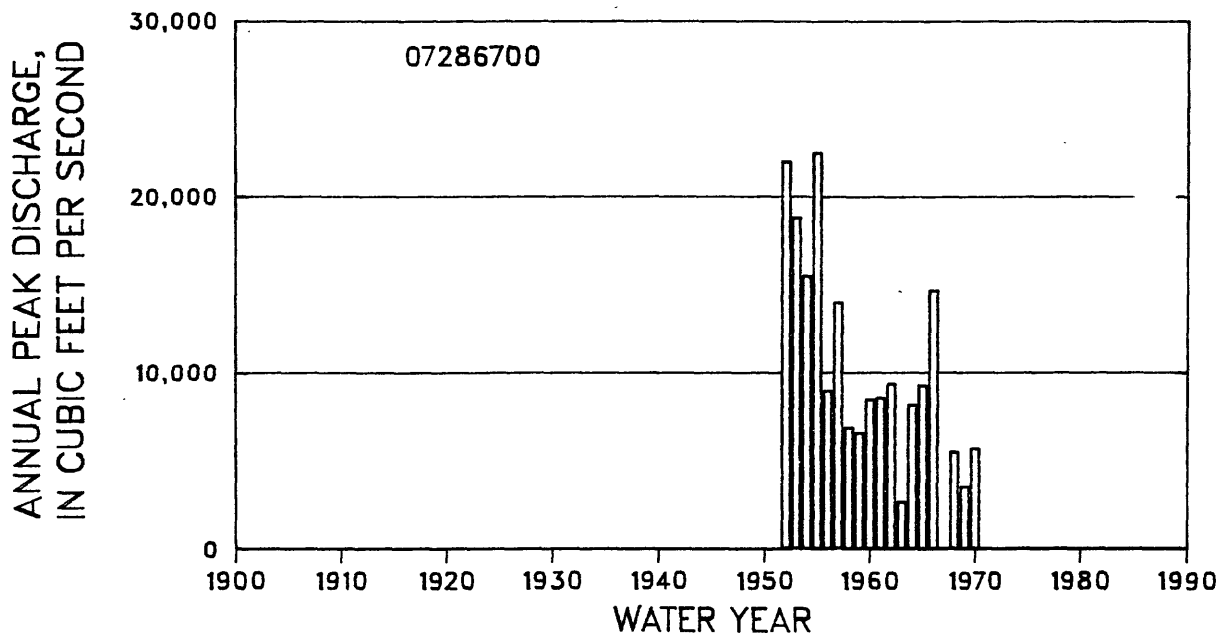
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.960  
STANDARD DEVIATION 0.256  
SKEW -0.174

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	9,270	15,000	19,200	24,700	28,900	33,300	37,800	44,000
REGIONAL	7,320	11,700	14,700	18,900	21,400	25,100	27,200	31,000
WEIGHTED	8,910	14,200	17,900	22,400	25,300	28,900	31,500	35,500

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	15	16	18	23	28	34	40	50
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	14	14	15	18	21	24	26	30

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 18

Graph of annual peak discharges is shown below.



## 07286700 Big Sand Creek at Carrollton, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1952	12/20/51	17.64	22,000	1961	3/31/61	14.08	8,600
1953	2/20/53	16.97	18,800	1962	5/29/62	14.43	9,400
1954	5/ 3/54	16.17	15,500	1963	3/11/63	10.69	2,650
1955	4/12/55	17.78	22,500	1964	4/26/64	13.79	8,200
1956	2/ 4/56	14.20	9,000	1965	3/ 2/65	14.25	9,300
1957	12/12/56	15.94	14,000	1966	2/10/66	15.56	14,700
1958	4/29/58	13.29	6,900	1968	5/16/68	12.71	5,520
1959	2/12/59	13.20	6,600	1969	5/ 9/69	11.41	3,520
1960	12/17/59	14.00	8,500	1970	3/20/70	12.80	5,700

# 07286800 Big Sand Creek at Valley Hill, MS

## LOCATION:

Lat 33°31'07", long 90°02'58", in SW 1/4 SW 1/4 sec.12, T.19 N., R.2 E., Choctaw Meridian, Carroll County, Hydrologic Unit 08030205, at bridge on Columbus and Greenville Railroad at Valley Hill, and 8 mi east of Greenwood.

## GAGE:

Continuous-stage gage, water-stage recorder. Datum of gage is 148.38 ft above sea level.

DRAINAGE AREA: 11.0 mi<sup>2</sup> / SLOPE: 6.8 ft/mi LENGTH: 23.0 mi

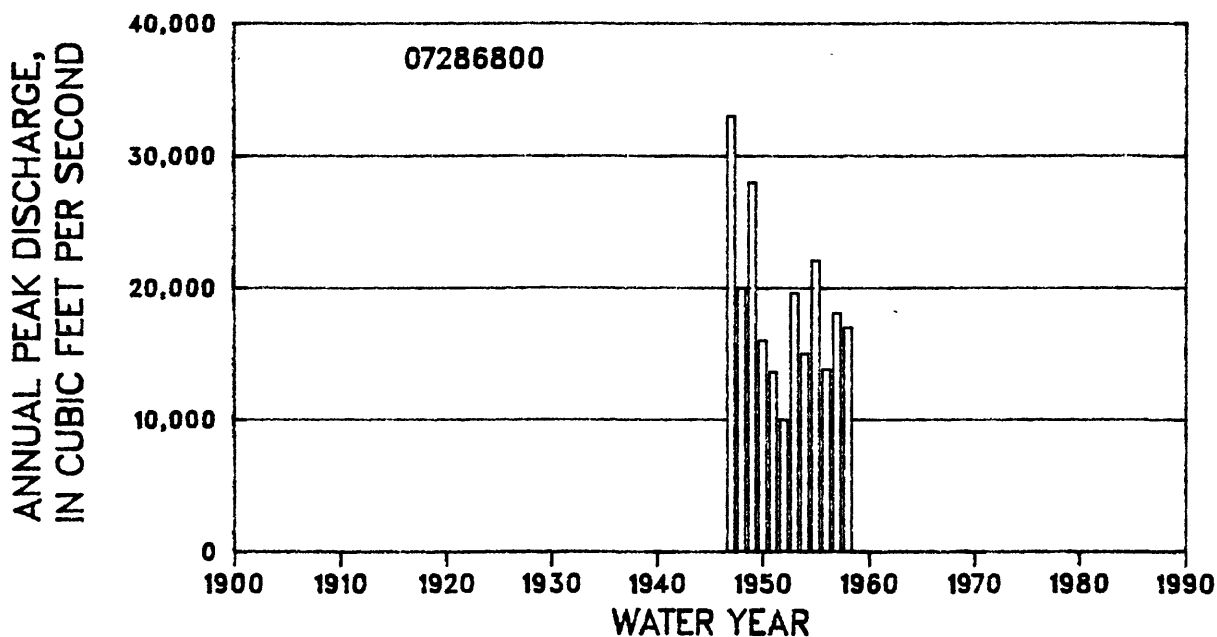
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.254  
STANDARD DEVIATION 0.142  
SKEW 0.012

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	17,900	23,600	27,200	31,800	35,100	38,400	41,700	46,000
REGIONAL	7,800	12,400	15,700	20,000	22,700	26,900	29,400	33,600
WEIGHTED	16,700	21,900	24,900	28,400	30,600	33,600	36,000	39,600

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	10	11	13	17	21	25	30	37
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	10	10	12	15	17	20	23	26

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 12

Graph of annual peak discharges is shown below.



## 07286800 Big Sand Creek at Valley Hill, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1947	4/11/47	21.91	33,000	1964	4/12/64	12.95	--
1948	2/13/48	15.40	20,000	1965	2/11/65	12.80	--
1949	1/ 3/49	19.00	28,000	1966	2/10/66	15.50	--
1950	9/17/50	13.40	16,000	1967	2/20/67	8.20	--
1951	1/ 3/51	12.20	13,600	1968	5/17/68	10.50	--
1952	3/10/52	10.35	10,000	1969	4/10/69	7.50 q	--
1953	2/20/53	15.20	19,600	1970	3/19/70	10.60	--
1954	5/ 1/54	12.75	15,000	1971	10/12/70	10.60	--
1955	4/12/55	16.43	22,100	1972	1/ 4/72	12.20	--
1956	3/13/56	12.30	13,800	1973	3/16/73	14.15	--
1957	12/13/56	14.44	18,100	1974	12/25/73	11.20	--
1958	9/21/58	13.86	17,000	1975	3/13/75	9.20	--
1959	2/12/59	15.20	--	1976	2/ 6/76	10.66	--
1960	12/17/59	14.40	--	1977	3/ 3/77	13.86	--
1961	3/28/61	13.10	--	1978	5/ 8/78	11.93	--
1962	5/30/62	14.05	--	1979	1/20/79	12.90	--
1963	7/16/63	12.40					

q Gage height is a daily reading and may not be the maximum gage height for the water year.

# 07287000 Yazoo River at Greenwood, MS

## LOCATION:

Lat 33°31'17", long 90°11'03", in NE 1/4 SW 1/4 sec.10, T.19 N., R.1 E., Choctaw Meridian, Leflore County, Hydrologic Unit 08030206, on left bank 110 ft downstream from bridge on U.S. Highway 49E and 82 in Greenwood, 0.4 mi downstream from Palusha Bayou, 3.0 mi downstream from confluence of Tallahatchie and Yalobusha Rivers, and at mi 170.8.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 92.07 ft above sea level. Prior to Oct. 1, 1940, nonrecording gage.

DRAINAGE AREA: 7,450 mi<sup>2</sup>      SLOPE: 1.3 ft/mi      LENGTH: 187.3 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN      4.361  
    STANDARD DEVIATION      0.114  
    SKEW      0.050

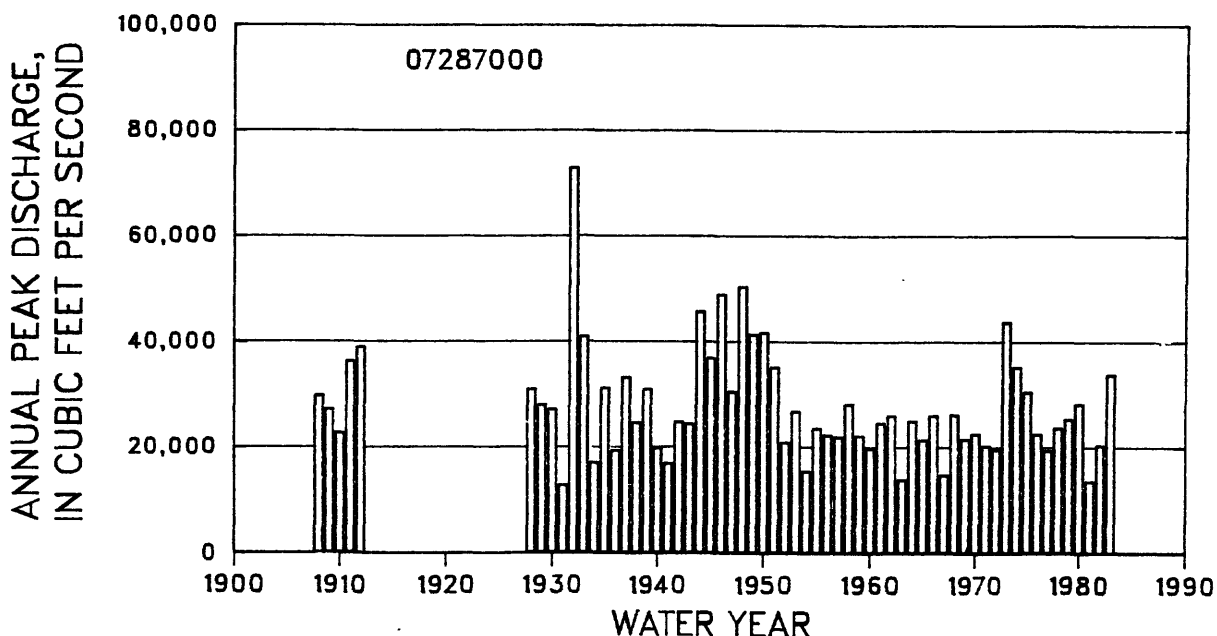
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	22,900	28,600	32,100	36,400	39,500	42,600	45,600	49,500

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	5	6	7	9	11	13	15	19

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 30

NOTE: The discharges are affected by regulation (flood-control reservoirs). The statistics of logarithms of annual peak discharge and flood-frequency discharges are for current conditions (1954-83) and are based on the pattern of regulation. If the pattern of regulation is altered, the flood frequency for this station will be altered. The discharges are unweighted station estimates, which may be more uncertain than is indicated by the standard error of estimate.

Graph of annual peak discharges is shown below.





## 07287000 Yazoo River at Greenwood, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1908	2/26/ 8	32.00	29,800	1954	5/ 5/54	24.16	15,400 k
1909	3/27/ 9	30.22	27,200	1955	4/15/55	--	23,600 k
1910	7/21/10	26.80	22,700	1956	2/22/56	29.74	22,300 k
1911	5/ 1/11	36.40	36,300	1957	2/ 4/57	29.15	22,000 k
1912	4/ 6/12	38.20	39,000	1958	5/10/58	34.15	28,200 k
1928	5/ 4/28	32.50	31,000	1959	10/ 1/58	30.82	22,200 k
1929	4/ 5/29	32.20	28,000	1960	3/17/60	29.49	19,800 k
1930	5/29/30	34.20	27,200	1961	4/ 2/61	33.46	24,600 ek
1931	4/11/31	22.00	12,800	1962	1/30/62	33.73	26,000 ek
1932	1/19/32	40.10	72,900	1963	3/13/63	23.95	13,900 ek
1933	4/14/33	38.10	41,000	1964	4/29/64	31.65	25,000 ek
1934	3/16/34	26.00	17,100	1965	3/ 1/65	30.53	21,400 ek
1935	3/19/35	35.60	31,200	1966	2/16/66	31.04	26,000 ek
1936	4/16/36	--	19,300	1967	5/ 8/67	23.86	14,800 ek
1937	2/ 9/37	36.40	33,200	1968	1/13/68	33.16	26,200 ek
1938	4/19/38	--	24,600	1969	2/ 8/69	--	21,600 ek
1939	4/12/39	35.90	31,000	1970	1/ 2/70	29.86 d	22,600 ek
1940	7/22/40	25.74	19,800 k	1971	2/28/71	29.86	20,300 ek
1941	12/24/40	--	16,900 k	1972	1/ 6/72	29.93	19,600 ek
1942	4/20/42	29.72	24,800 k	1973	3/21/73	38.37	43,800 ek
1943	3/23/43	--	24,400 k	1974	1/28/74	36.35	35,200 ek
1944	4/ 4/44	38.47	45,700 k	1975	3/31/75	33.72	30,500 ek
1945	3/13/45	37.06	36,900 k	1976	3/10/76	28.64	22,500 ek
1946	2/17/46	39.78	48,900 k	1977	3/ 8/77	29.10 q	19,400 ek
1947	4/19/47	--	30,500 k	1978	5/13/78	31.90 q	23,700 ek
1948	2/21/48	39.99	50,400 k	1979	4/15/79	33.60 q	25,300 ek
1949	1/10/49	--	41,400 k	1980	4/16/80	35.50 q	28,200 ek
1950	3/21/50	38.67	41,800 k	1981	2/ 7/81	23.60 q	13,600 ek
1951	4/ 5/51	--	35,200 k	1982	4/22/82	28.80 q	20,400 ek
1952	1/ 4/52	--	20,900 k	1983	1/ 1/83	37.40 q	33,800 ek
1953	5/22/53	33.71	26,800 k				

d Gage height not the maximum for the water year.

e Discharge is a maximum daily average.

k Discharge affected by regulation.

q Gage height is a daily reading and may not be the maximum gage height for the water year.

07287050 Pelucia Creek tributary near Carrollton, MS

LOCATION:

Lat 33°28'00", long 89°57'00", in SE 1/4 sec.35, T.19 N., R.3 E., Choctaw Meridian, Carroll County, Hydrologic Unit 08030205, at culvert on State Highway 17, and 3.4 mi south of Carrollton.

GAGE:

Crest-stage gage. From July 22, 1964, to Sept. 28, 1971, rain-gage and water-stage recorder also. Datum of gage is assumed.

DRAINAGE AREA: 0.43 mi<sup>2</sup> SLOPE: 75.2 ft/mi LENGTH: 1.7 mi

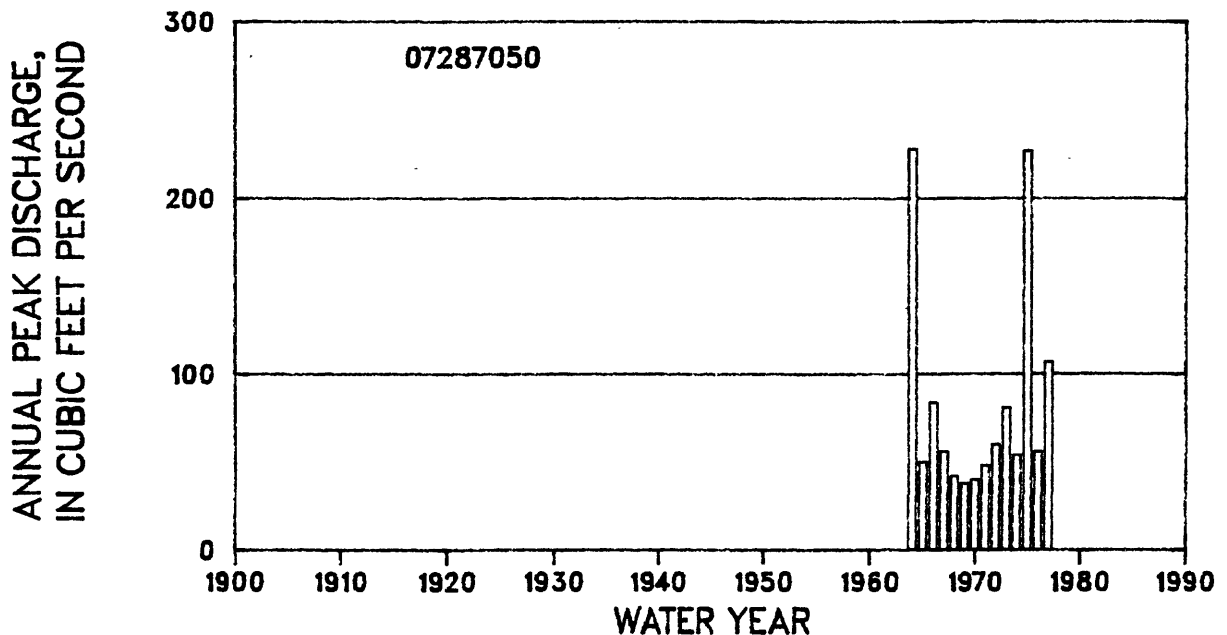
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 1.841  
STANDARD DEVIATION 0.253  
SKEW 0.242

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	68	112	148	201	247	297	354	439
REGIONAL	269	361	407	477	516	580	606	675
WEIGHTED	89	158	220	319	391	470	525	613

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	17	20	24	33	42	51	62	79
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	15	16	19	22	25	28	30	34

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 14

Graph of annual peak discharges is shown below.



## 07287050 Pelucia Creek tributary near Carrollton, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1964	8/16/64	6.24	228	1971	10/13/70	3.28	48
1965	2/12/65	3.33	50	1972	1/ 4/72	3.53	60
1966	2/10/66	3.99	84	1973	1/21/73	3.94	81
1967	7/ 1/67	3.45	56	1974	11/27/73	3.39	54
1968	5/17/68	3.15	42	1975	2/23/75	6.22	227
1969	3/23/69	3.08	38	1976	10/16/75	3.44	56
1970	12/ 6/69	3.13	40	1977	3/ 3/77	4.45	107

07287140 Martin Lake tributary at Sidon, MS

LOCATION:

Lat 33°27'10", long 90°12'30", in SW 1/4 sec.4, T.18 N., R.1 E., Choctaw Meridian, Leflore County, Hydrologic Unit 08030206, at culvert on U.S. Highway 49E., 3.1 mi north of Sidon, and 4.2 mi south of Greenwood.

GAGE:

Crest-stage gage. Rain-gage and water-stage recorders also. Datum of gage is assumed.

DRAINAGE AREA: 0.26 mi<sup>2</sup> SLOPE: 15.4 ft/mi LENGTH: 0.7 mi

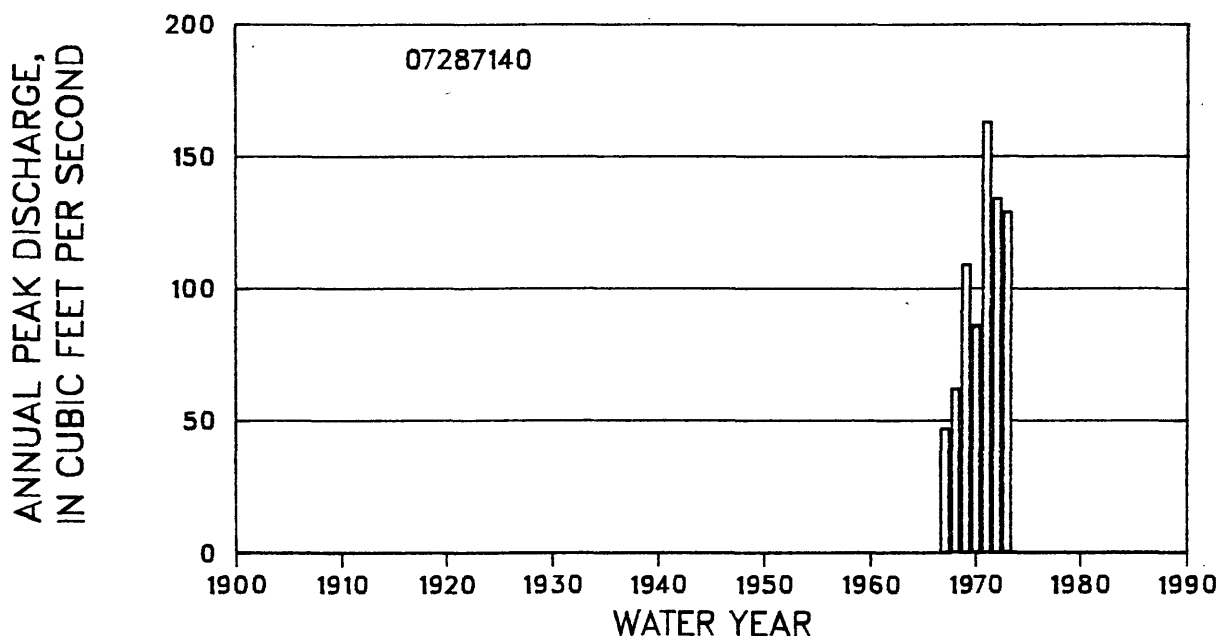
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 1.984  
STANDARD DEVIATION 0.195  
SKEW 0.015

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	96	140	171	--	--	--	--	--
T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	18	20	24	--	--	--	--	--

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 7

NOTE: The period of record is insufficient for station estimates of large recurrence interval floods. The flood-frequency discharges are unweighted station estimates because the slope is outside the limitations of the regional equations, as presented by Landers and Wilson (1991). The discharges may be more uncertain than is indicated by the standard error of estimate.

Graph of annual peak discharges is shown below.



## 07287140 Martin Lake tributary at Sidon, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1967	5/21/67	4.13	47	1971	10/13/70	5.78	163
1968	1/10/68	4.34	62	1972	6/15/72	5.37	134
1969	7/26/69	5.02	109	1973	3/17/73	5.30 d	129
1970	3/19/70	4.68	86				

d Gage height not the maximum for the water year.

07287165 Mosquito Lake tributary no.1 at Itta Bena, MS

LOCATION:

Lat 33°28'55", long 90°19'30", in SE 1/4 NW 1/4 sec.29, T.19 N., R.1 W., Choctaw Meridian, Leflore County, Hydrologic Unit 08030206, on State Highway 7, and 0.5 mi south of Itta Bena.

GAGE:

Crest-stage gage. From June 4, 1965, to Sept. 28, 1971, rain-gage and water-stage recorder also. Datum of gage is assumed.

DRAINAGE AREA: 0.11 mi<sup>2</sup> SLOPE: 10.6 ft/mi LENGTH: 0.5 mi

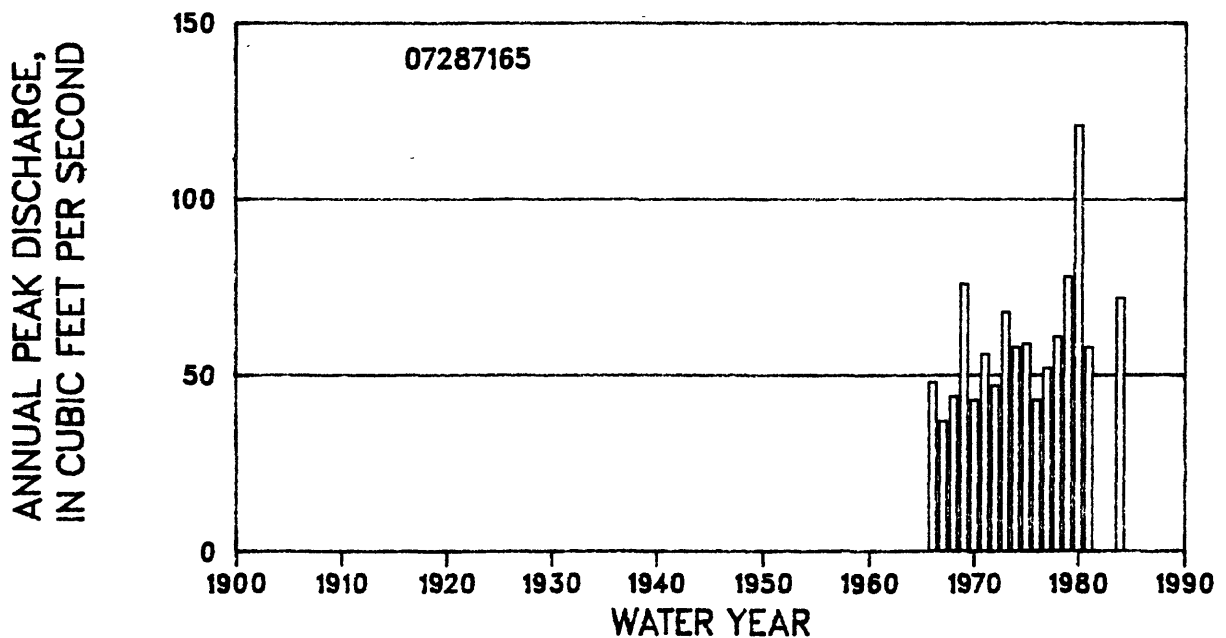
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 1.754  
STANDARD DEVIATION 0.126  
SKEW 0.338

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	56	72	83	98	109	120	132	148
REGIONAL	65	86	98	117	129	146	160	178
WEIGHTED	56	73	84	101	113	126	140	159

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	8	9	11	16	19	24	28	35
REGIONAL	34	34	36	38	38	40	42	45
WEIGHTED	7	9	11	14	17	20	23	27

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 17

Graph of annual peak discharges is shown below.



## 07287165 Mosquito Lake tributary no.1 at Itta Bena, MS---Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1966	4/20/66	4.36	48	1975	5/15/75	4.72	59
1967	4/14/67	4.01	37	1976	5/28/76	4.19	43
1968	3/21/68	4.22	44	1977	3/ 3/77	4.49	52
1969	7/26/69	5.28	76	1978	6/23/78	4.81	61
1970	10/ 7/69	4.19	43	1979	1/20/79	5.33	78
1971	2/21/71	4.62	56	1980	11/10/79	6.46	121
1972	7/ 3/72	4.33	47	1981	6/ 3/81	4.69	58
1973	3/15/73	5.02	68	1984	12/ 3/83	5.14	72
1974	3/19/74	4.69	58				

07287170 Mosquito Lake tributary no.2 at Itta Bena, MS

LOCATION:

Lat 33°28'45", long 90°19'20", in NE 1/4 NW 1/4 sec.29, T.19 N., R.1 W., Choctaw Meridian, Leflore County, Hydrologic Unit 08030206, on State Highway 7, and 0.8 mi south of Itta Bena.

GAGE:

Crest-stage gage. Datum of gage is assumed. From June 4, 1965, to Sept. 28, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.13 mi<sup>2</sup> SLOPE: 10.6 ft/mi LENGTH: 0.6 mi

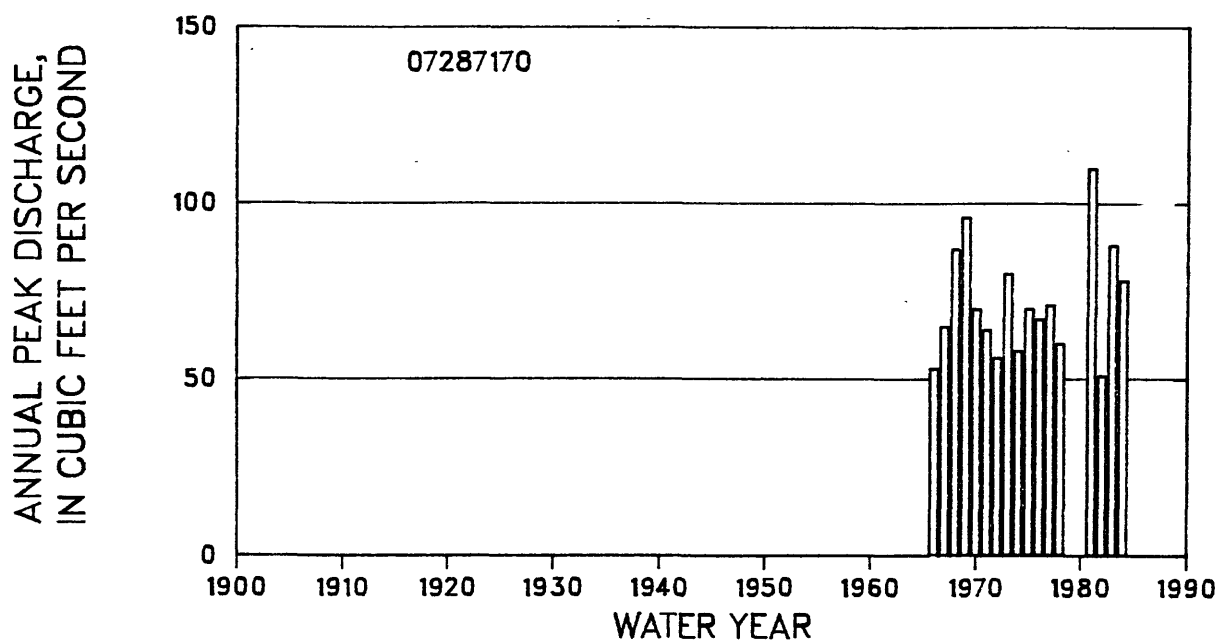
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 1.845  
STANDARD DEVIATION 0.095  
SKEW 0.168

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	70	84	93	104	112	120	128	138
REGIONAL	68	91	104	124	138	156	172	191
WEIGHTED	70	84	93	105	115	124	135	148

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	6	7	8	11	13	16	19	23
REGIONAL	34	34	36	38	38	40	42	45
WEIGHTED	6	6	8	10	12	15	17	20

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 17

Graph of annual peak discharges is shown below.





## 07287170 Mosquito Lake tributary no.2 at Itta Bena, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1966	9/11/66	3.79	53	1975	5/15/75	4.07	70
1967	4/14/67	3.98	65	1976	10/ 1/75	4.02	67
1968	4/28/68	4.38	87	1977	10/29/76	4.09	71
1969	7/26/69	4.56	96	1978	6/23/78	3.90	60
1970	4/16/70	4.06	70	1981	10/27/80	5.00	110
1971	2/21/71	3.97	64	1982	5/25/82	3.75	51
1972	7/ 3/72	3.84	56	1983	10/ 7/82	4.40	88
1973	3/15/73	4.23	80	1984	12/ 3/83	4.20	78
1974	3/19/74	3.87	58				

07287350 Fannegusha Creek near Tchula, MS

LOCATION:

Lat 33°10'00", long 90°10'12", on line between secs.11 and 14, T.15 N., R.1 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, and on State Highway 12, east of Tchula.

GAGE:

Crest-stage gage located 200 ft downstream from bridge on right bank.  
Datum of gage is assumed.

DRAINAGE AREA: 100 mi<sup>2</sup> SLOPE: 6.9 ft/mi LENGTH: 28.2 mi

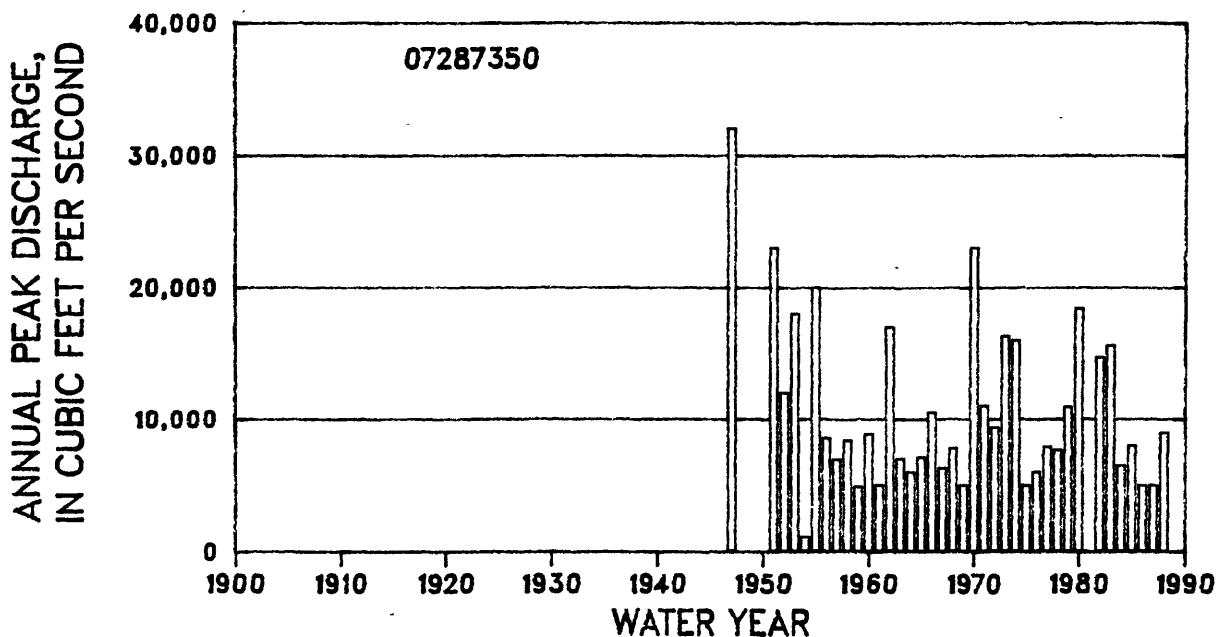
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.976  
STANDARD DEVIATION 0.232  
SKEW 0.124

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	9,370	14,800	18,900	24,600	29,300	34,400	39,800	47,600
REGIONAL	7,070	11,100	13,900	17,400	19,700	23,300	25,600	29,200
WEIGHTED	9,180	14,400	18,000	22,700	25,900	29,800	33,100	37,800

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	10	13	17	21	25	30	37
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	9	10	12	15	17	20	23	26

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 38

Graph of annual peak discharges is shown below.



## 07287350 Fannegusha Creek near Tchula, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1947	4/11/47	25.10	32,000 f	1969	4/12/69	--	5,000 h
1951	3/28/51	24.10	23,000	1970	4/26/70	24.54	23,000
1952	12/20/51	--	12,000 c	1971	7/17/71	22.08	11,000
1953	4/29/53	--	18,000 c	1972	1/ 4/72	21.18	9,350
1954	1/20/54	--	1,100 c	1973	3/15/73	23.15	16,300
1955	4/12/55	23.70	20,000	1974	11/27/73	22.99	16,000
1956	2/ 4/56	20.55	8,550	1975	unknown	--	5,000 h
1957	12/12/56	19.28	6,950	1976	2/ 6/76	18.46	6,000
1958	11/18/57	20.43	8,400	1977	3/ 4/77	20.03	7,900
1959	2/ 9/59	17.65	4,900	1978	11/30/77	18.94	7,650
1960	12/17/59	20.78	8,850	1979	1/20/79	21.94	10,900
1961	3/30/61	--	5,000 h	1980	6/24/80	24.02	18,400
1962	11/13/61	23.31	17,000	1982	5/25/82	23.29	14,700
1963	3/11/63	--	7,000 c	1983	5/19/83	23.49	15,600
1964	8/16/64	--	6,000 c	1984	3/ 5/84	17.76	6,470
1965	2/12/65	19.40	7,100	1985	10/22/84	19.28	8,000
1966	2/10/66	21.88	10,500	1986	unknown	--	5,000 h
1967	2/20/67	18.75	6,280	1987	3/18/87	--	5,000 h
1968	5/10/68	20.05	7,800	1988	11/17/87	20.18	8,960

HISTORICAL DATA: The 1947 peak is the highest known.

c Estimated.

f Discharge is an historical peak.

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

07287355 Fannegusha Creek near Howard, MS

LOCATION:

Lat 33°08'15", long 90°11'40", in NW 1/4 NE 1/4 sec.28, T.15 N., R.1 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, at steel girder bridge on county road, 1 mi north of Howard, and 3.2 mi southeast of Tchula.

GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 123.79 ft above sea level. Prior to March 1987, crest-stage gage, and datum of gage was sea level.

DRAINAGE AREA: 103 mi<sup>2</sup> SLOPE: 6.6 ft/mi LENGTH: 31.7 mi

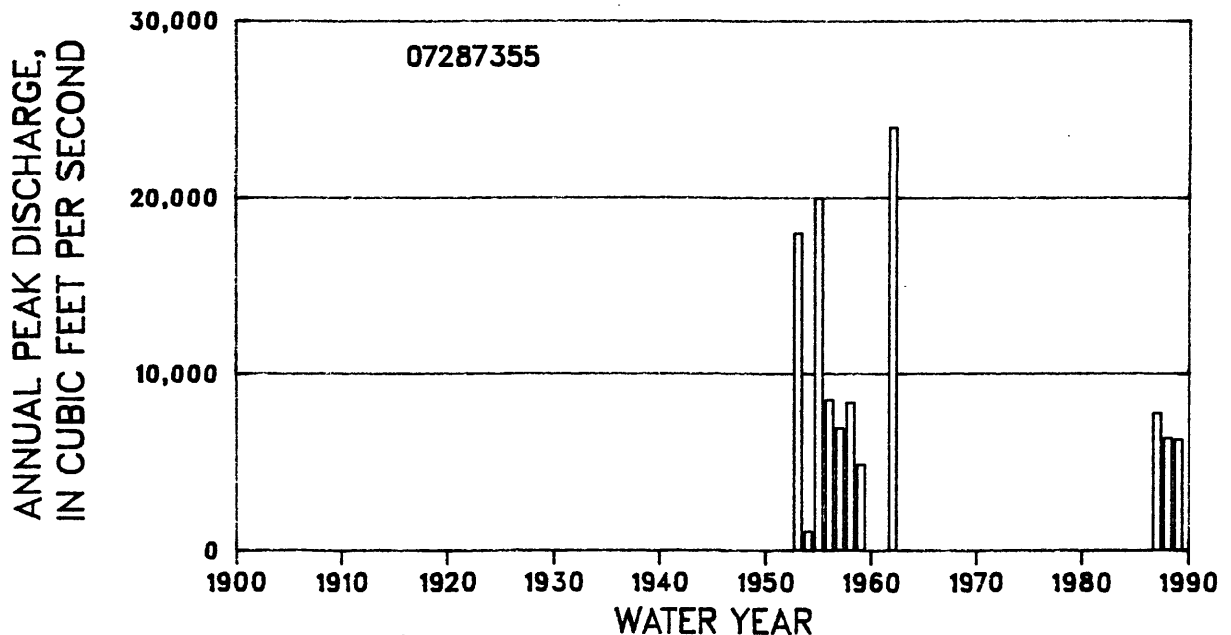
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.950  
STANDARD DEVIATION 0.256  
SKEW 0.110

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	8,810	14,600	19,100	25,500	30,900	36,700	43,100	52,400
REGIONAL	7,000	11,000	13,600	17,100	19,300	22,900	25,100	28,700
WEIGHTED	8,320	13,300	16,500	20,400	22,800	26,300	28,800	32,600

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	19	22	26	35	44	54	65	82
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	17	18	20	23	25	28	31	34

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 11

Graph of annual peak discharges is shown below.



## 07287355 Fannegusha Creek near Howard, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1953	4/29/53	137.70 a	18,000	1962	11/13/61	142.87 a	24,000
1954	1/20/54	131.70 a	1,100	1963	3/11/63	140.52 a	--
1955	4/12/55	142.10 a	20,000	1964	8/16/64	140.28 a	--
1956	2/ 4/56	138.80 a	8,550	1965	2/12/65	140.74 a	--
1957	12/12/56	138.84 a	6,950	1966	2/10/66	141.35 a	--
1958	11/14/57	140.64 a	8,400	1987	3/18/87	17.57 b	7,780 i
1959	2/ 9/59	138.80 a	4,900	1988	11/17/87	16.93	6,360
1960	12/17/59	141.77 a	--	1989	1/12/89	17.99	6,280

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

i Only annual maximum peak available for the water year.

07287480 Piney Creek near Yazoo City, MS

LOCATION:

Lat 32°54'25", long 90°22'55", in NE 1/4 sec.10, T.12 N., R.2 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030206, at bridge on U.S. Highway 49E., 75 ft upstream from Illinois Central Railroad, 3 mi upstream from mouth, and 3 mi northeast from north city limits of Yazoo City.

GAGE:

Crest-stage gage. Datum of gage is sea level.

DRAINAGE AREA: 70.3 mi<sup>2</sup> SLOPE: 9.0 ft/mi LENGTH: 20.4 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:

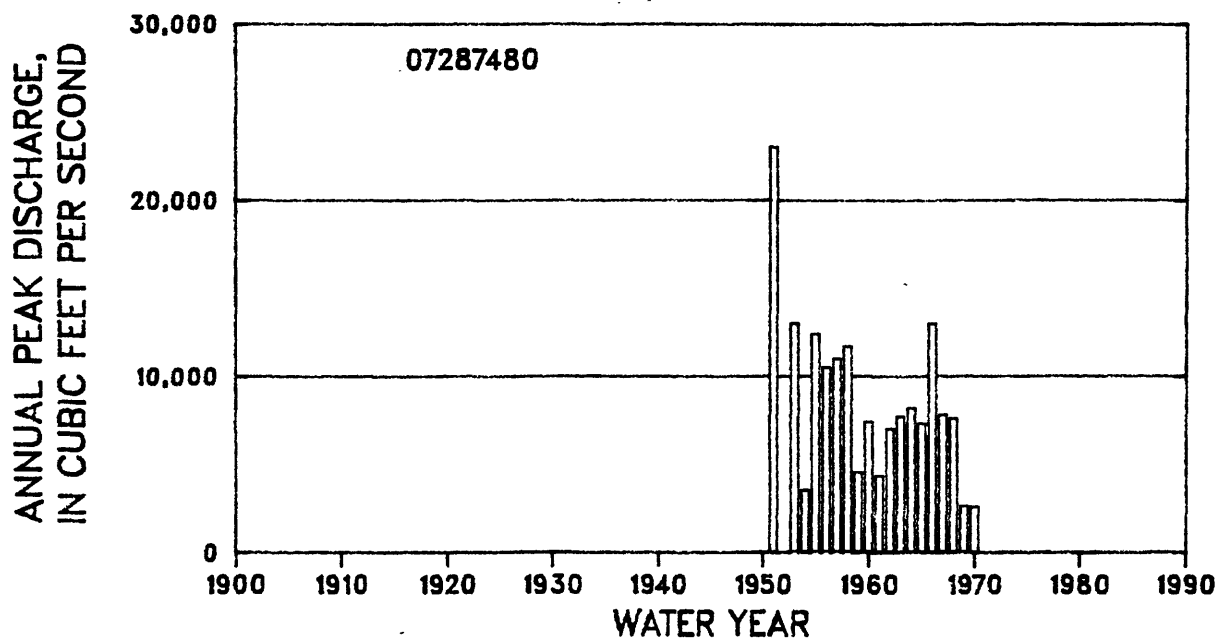
MEAN 3.861  
STANDARD DEVIATION 0.236  
SKEW -0.355

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	7,490	11,500	14,200	17,500	19,900	22,200	24,500	27,500
REGIONAL	6,150	9,640	12,000	15,000	17,000	20,000	21,800	24,800
WEIGHTED	7,290	11,200	13,700	16,800	18,800	21,300	23,200	26,100

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	14	13	15	19	23	28	33	41
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	13	12	13	16	18	21	24	28

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 19

Graph of annual peak discharges is shown below.



## 07287480 Piney Creek near Yazoo City, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1951	3/28/51	117.00	23,000 f	1963	7/30/63	112.68	7,700
1953	4/29/53	114.52	13,000	1964	3/ 4/64	112.98	8,200
1954	5/ 3/54	112.40	3,500	1965	3/ 1/65	111.20	7,300
1955	4/12/55	114.43	12,400	1966	2/10/66	113.96	13,000
1956	2/ 4/56	113.90	10,500	1967	5/21/67	111.45	7,800
1957	12/12/56	114.05	11,000	1968	5/ 9/68	111.35	7,600
1958	9/22/58	114.23	11,700	1969	11/30/68	108.45	2,600
1959	4/18/59	111.00	4,500	1970	12/30/69	108.25	2,580
1960	3/ 2/60	112.55	7,400	1979	3/ /79	114.10	--
1961	3/31/61	110.81	4,300	1980	6/25/80	113.88	--
1962	12/17/61	112.83	7,000	1981	10/27/80	114.44	--

HISTORICAL DATA: The 1951 peak is the highest known since 1942.

f Discharge is an historical peak.

07287505 Broad Lake tributary no.1 near Yazoo City, MS

LOCATION:

Lat 32°52'50", long 90°29'40", in SE 1/4 SW 1/4 sec.15, T.12 N., R.3 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030206, on U.S. Highway 49W, and 3.6 mi northwest from Yazoo River bridge near Yazoo City.

GAGE:

Crest-stage gage. From June 4, 1965, to July 19, 1971, rain-gage and water-stage recorder. Datum of gage is assumed.

DRAINAGE AREA: 0.11 mi<sup>2</sup> SLOPE: 10.6 ft/mi LENGTH: 0.4 mi

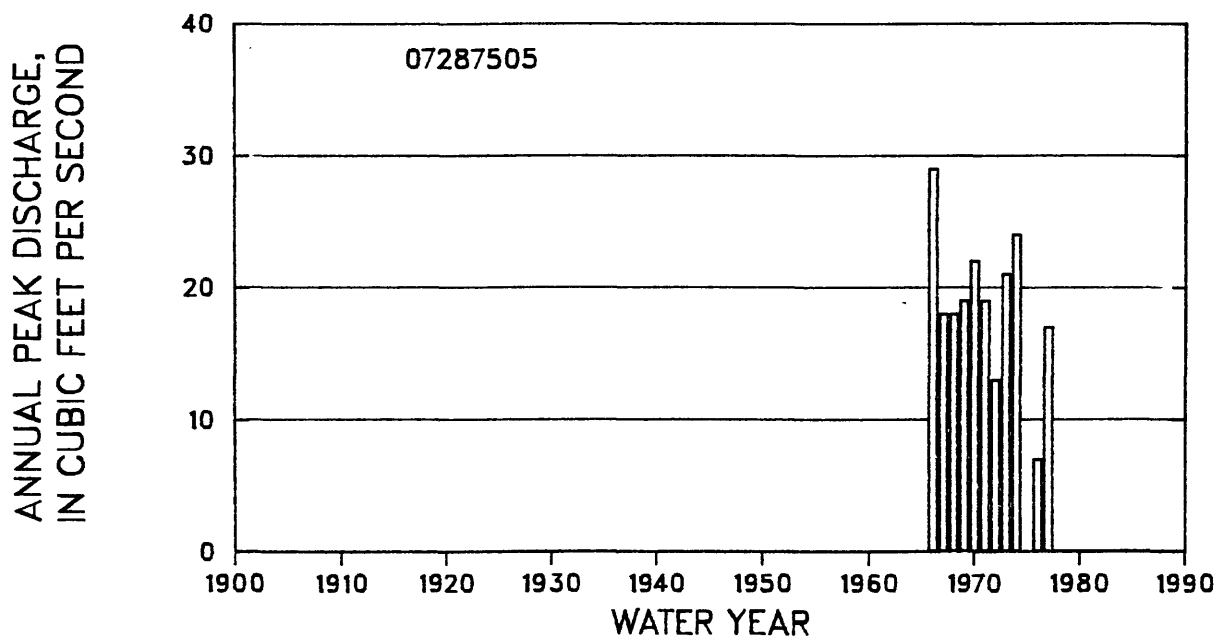
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 1.278  
STANDARD DEVIATION 0.102  
SKEW -0.171

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	19	23	26	28	30	32	33	36
T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	8	8	9	12	14	17	20	24

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 11

NOTE: The flood-frequency discharges are unweighted station estimates because the length is outside the limitations of the regional equations, as presented by Landers and Wilson (1991). The discharges may be more uncertain than is indicated by the standard error of estimate.

Graph of annual peak discharges is shown below.





07287505 Broad Lake tributary no.1 near Yazoo City, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1966	2/10/66	6.06	29	1972	2/14/72	4.12	13
1967	5/21/67	4.71	18	1973	3/16/73	4.95	21
1968	4/ 8/68	4.64	18	1974	2/ 6/74	5.22	24
1969	11/27/68	4.78	19	1976	10/16/75	3.57	7
1970	12/29/69	5.09	22	1977	4/ 4/77	4.57	17
1971	2/19/71	4.74	19				

07287510 Broad Lake tributary no.2 near Yazoo City, MS

LOCATION:

Lat 32°52'45", long 90°29'25", in NW 1/4 NE 1/4 sec.22, T.12 N., R.3 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030206, at culvert on U.S. Highway 49W., and 3.4 mi northwest from Yazoo River bridge at Yazoo City.

GAGE:

Crest-stage gage. From June 4, 1965, to July 19, 1971, rain-gage and water-stage recorder also. Datum of gage is assumed.

DRAINAGE AREA: 0.05 mi<sup>2</sup> SLOPE: 10.6 ft/mi LENGTH: 0.4 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 1.274  
STANDARD DEVIATION 0.111  
SKEW -0.047

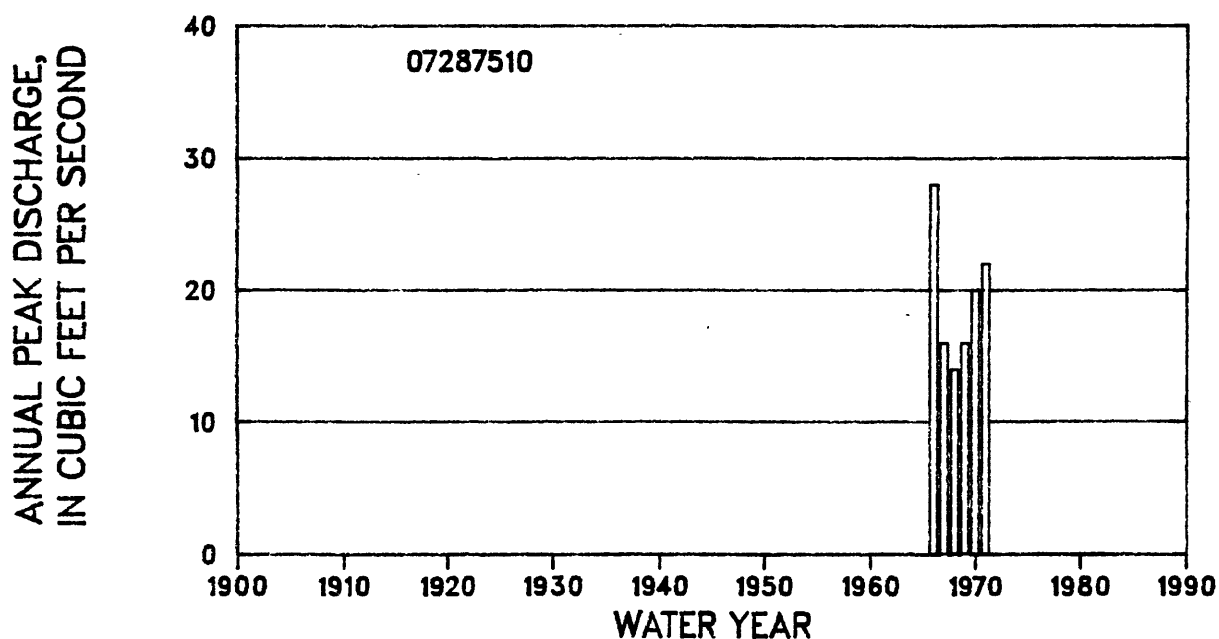
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	19	23	26	--	--	--	--	--

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	11	12	14	--	--	--	--	--

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 6

NOTE: The period of record is insufficient for station estimates of large recurrence interval floods. The flood-frequency discharges are unweighted station estimates because the drainage area and length are outside the limitations of the regional equations, as presented by Landers and Wilson (1991). The discharges may be more uncertain than is indicated by the standard error of estimate.

Graph of annual peak discharges is shown below.



07287510 Broad Lake tributary no.2 near Yazoo City, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1966	2/10/66	5.80	28	1969	11/27/68	4.47	16
1967	5/21/67	4.45	16	1970	4/26/70	4.93	20
1968	4/ 8/68	4.33	14	1971	7/17/71	5.15	22

07287520 Short Creek tributary near Yazoo City, MS

LOCATION:

Lat 32°48'15", long 90°22'20", in NE 1/4 sec.14, T.11 N., R.2 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030206, at culvert on U.S. Highway 49, and 3.5 mi southeast of Yazoo City.

GAGE:

Crest-stage gage. Datum of gage is assumed. From July 1, 1964, to Sept. 30, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 1.49 mi<sup>2</sup> SLOPE: 48.7 ft/mi LENGTH: 2.5 mi

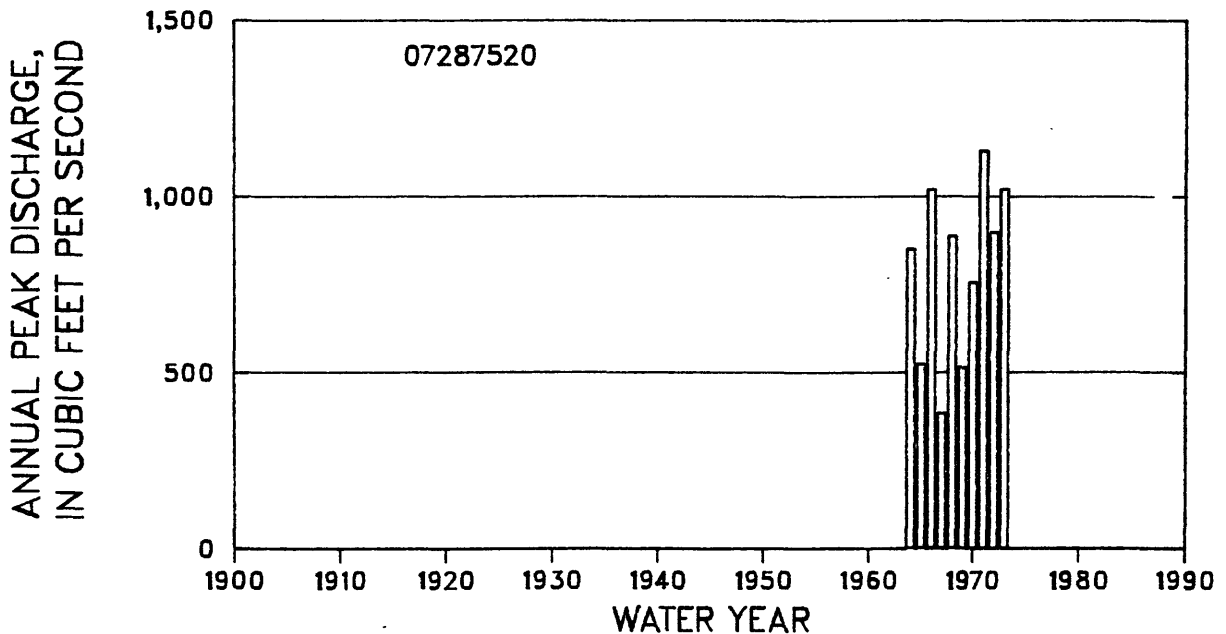
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.880  
STANDARD DEVIATION 0.155  
SKEW -0.426

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	777	1,030	1,170	1,340	1,450	1,550	1,650	1,760
REGIONAL	617	868	1,010	1,210	1,330	1,510	1,590	1,780
WEIGHTED	756	1,010	1,140	1,310	1,410	1,530	1,620	1,770

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	12	12	13	16	20	25	29	36
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	12	11	12	14	17	20	22	26

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 10

Graph of annual peak discharges is shown below.



07287520 Short Creek tributary near Yazoo City, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1964	9/28/64	8.50	850	1969	4/13/69	6.53	515
1965	3/ 1/65	6.59	525	1970	12/29/69	7.94	755
1966	2/10/66	9.47	1,020	1971	2/21/71	10.06	1,130
1967	8/25/67	5.70	385	1972	1/10/72	8.78	898
1968	1/ 9/68	8.72	887	1973	3/24/73	9.50	1,020

# 07288500 Big Sunflower River at Sunflower, MS

## LOCATION:

Lat 33°32'50", long 90°32'35", in NE 1/4 sec.6, T.19 N., R.3 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, near right bank on downstream side of highway bridge, 0.5 mi northwest of Sunflower, 2.5 mi downstream from Jones Bayou, and 19.0 mi upstream from Quiver River.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 92.95 ft above sea level. Prior to Nov. 28, 1934, nonrecording gage on upstream side of bridge. From Nov. 28, 1934, to June 30, 1947, nonrecording gage on upstream side of bridge.

DRAINAGE AREA: 767 mi<sup>2</sup>      SLOPE: 0.5 ft/mi      LENGTH: 103.5 mi

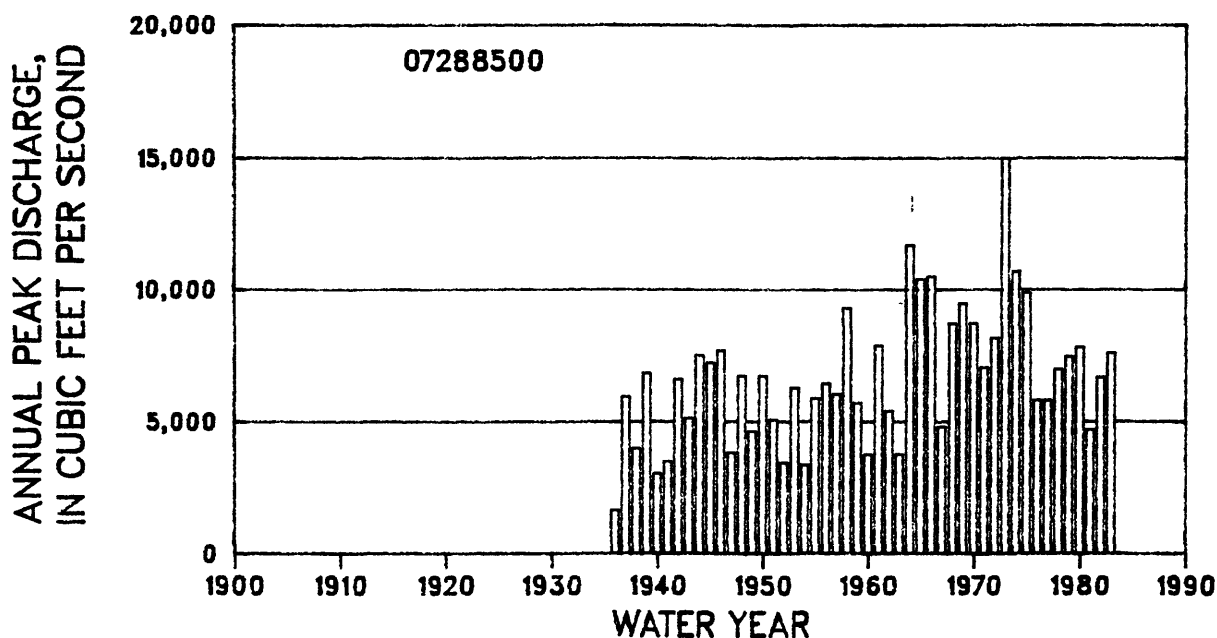
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN    3.802  
    STANDARD DEVIATION    0.164  
    SKEW    -0.155

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	6,390	8,720	10,200	12,000	13,300	14,600	15,800	17,500
REGIONAL	4,170	5,840	6,700	7,820	8,820	9,500	10,000	11,000
WEIGHTED	6,310	8,610	10,000	11,700	12,900	14,000	14,900	16,200

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	6	6	7	9	11	13	15	19
REGIONAL	34	34	36	38	38	40	42	45
WEIGHTED	6	6	7	9	10	12	14	17

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 48

Graph of annual peak discharges is shown below.



## 07288500 Big Sunflower River at Sunflower, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1936	2/ 6/36	10.10	1,660	1960	3/ 6/60	19.62	3,760
1937	1/28/37	23.76	5,960	1961	2/25/61	27.28	7,890
1938	4/11/38	18.69	4,000	1962	1/29/62	20.04	5,410
1939	4/ 3/39	25.00	6,850	1963	3/13/63	14.59	3,770
1940	4/22/40	15.42	3,040	1964	4/28/64	25.45	11,700
1941	12/19/40	16.50	3,490	1965	2/13/65	23.56	10,400
1942	4/13/42	25.35	6,620	1966	2/14/66	24.10	10,500
1943	3/19/43	21.06	5,140	1967	5/ 9/67	17.41	4,820
1944	4/ 1/44	26.26	7,520	1968	1/11/68	24.54	8,710
1945	1/ 3/45	26.33 d	7,240	1969	12/ 2/68	24.70	9,480
1946	1/16/46	27.43	7,700	1970	1/ 1/70	23.31	8,720
1947	1/ 8/47	20.82 d	3,830	1971	2/24/71	21.38	7,070 e
1948	2/16/48	26.65	6,740	1972	1/ 5/72	22.79	8,180 e
1949	3/30/49	23.20 d	4,650	1973	3/18/73	28.37	15,000 e
1950	2/18/50	24.24 d	6,740	1974	1/15/74	25.95	10,700 e
1951	1/ 8/51	24.24	5,080	1975	3/16/75	25.22	9,880
1952	1/31/52	19.17	3,450	1976	3/11/76	20.59	5,820
1953	5/21/53	25.94	6,300	1977	3/ 7/77	21.88	5,820
1954	1/26/54	19.27 d	3,370	1978	5/10/78	24.81	7,000
1955	3/26/55	25.42	5,910	1979	4/14/79	25.04	7,470
1956	2/10/56	26.13	6,460	1980	3/22/80	25.70	7,820
1957	2/ 5/57	25.65	6,060	1981	10/ 3/80	18.60 q	4,700 e
1958	5/ 5/58	28.31	9,300	1982	4/22/82	22.40 q	6,690 e
1959	10/ 1/58	26.33	5,730	1983	1/ 1/83	27.60 q	7,610 e

d Gage height not the maximum for the water year.

e Discharge is a maximum daily average.

q Gage height is a daily reading and may not be the maximum gage height for the water year.

07288568 Quiver River tributary near Schlater, MS

LOCATION:

Lat 33°38'30", long 90°24'30", in SE 1/4 sec.33, T.21 N., R.2 W., Choctaw Meridian, Leflore County, Hydrologic Unit 08030207, at culvert on State Highway 442, and 3.4 mi west of Schlater.

GAGE:

Crest-stage gage. From Aug. 26, 1966, to Sept. 23, 1971, rain-gage and water-stage recorders also. Datum of gage is assumed.

DRAINAGE AREA: 0.18 mi<sup>2</sup> SLOPE: 10.0 ft/mi LENGTH: 0.5 mi

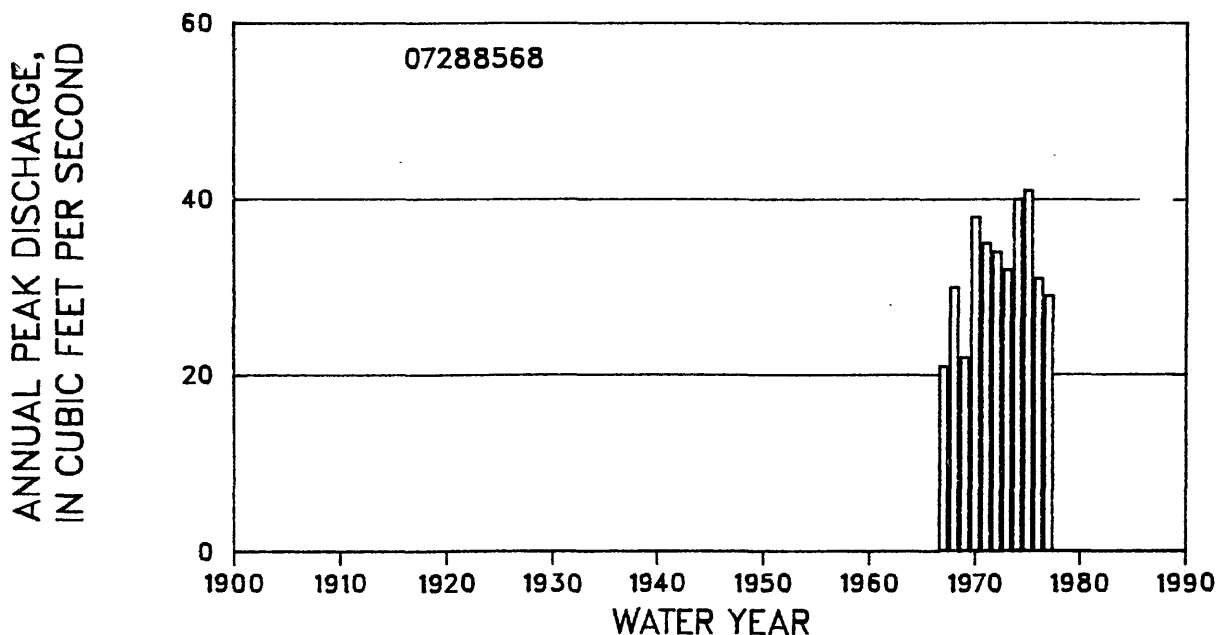
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 1.516  
STANDARD DEVIATION 0.065  
SKEW 0.022

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	33	37	40	43	45	47	48	51
REGIONAL	98	133	153	185	205	231	253	281
WEIGHTED	34	38	42	46	50	54	58	64

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	5	5	6	8	10	12	14	17
REGIONAL	34	34	36	38	38	40	42	45
WEIGHTED	5	5	6	8	10	12	13	16

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 11

Graph of annual peak discharges is shown below.





## 07288568 Quiver River tributary near Schlater, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1967	7/ 2/67	4.52	21	1974	2/21/74	5.89	40
1968	3/11/68	4.96	30	1975	3/13/75	5.97	41
1969	12/ 2/68	6.07 m	22	1976	10/16/75	5.03	31
1970	4/ 1/70	5.69	38	1977	10/29/76	4.92	29
1971	7/25/71	5.37	35	1978	7/25/78	6.43	--
1972	1/ 4/72	5.28	34	1979	12/ 3/78	5.65	--
1973	1/21/73	5.11	32				

m Gage height affected by backwater.

07288570 Quiver River near Doddsville, MS

LOCATION:

Lat 33°38'25", long 90°24'05", in SE 1/4 sec.33, T.21 N., R.2 W., Choctaw Meridian, Leflore County, Hydrologic Unit 08030207, at bridge on State Highway 442, 3.1 mi west of Schlater, and 7.5 mi east of Doddsville.

GAGE:

Continuous-stage gage, water-stage recorder. Datum of gage is 97.26 ft above sea level. Prior to Oct. 19, 1945 at site 1 mi downstream at datum 1.84 ft lower.

DRAINAGE AREA: 292 mi<sup>2</sup>      SLOPE: 0.7 ft/mi      LENGTH: 55.2 mi

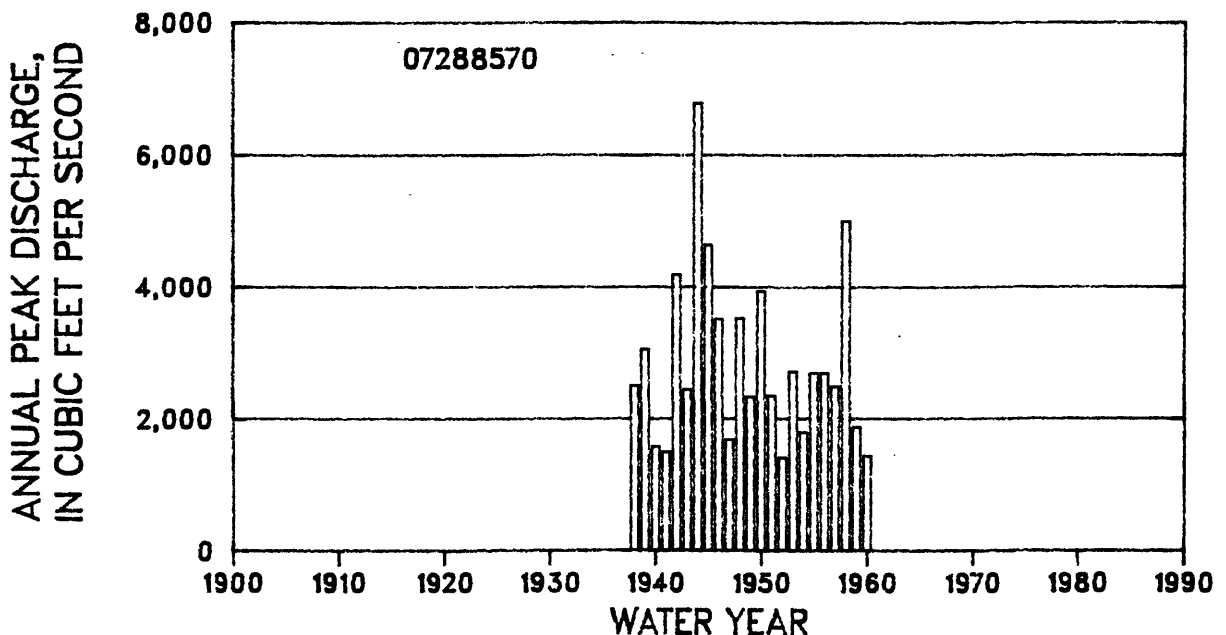
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN    3.420  
    STANDARD DEVIATION    0.186  
    SKEW      0.128

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	2,610	3,760	4,580	5,670	6,520	7,400	8,330	9,630
REGIONAL	2,710	3,790	4,340	5,090	5,720	6,190	6,570	7,190
WEIGHTED	2,620	3,760	4,550	5,560	6,310	7,020	7,650	8,510

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	10	11	13	17	22	26	31	38
REGIONAL	34	34	36	38	38	40	42	45
WEIGHTED	9	10	12	16	19	22	25	28

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 23

Graph of annual peak discharges is shown below.



## 07288570 Quiver River near Doddsville, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1938	4/10/38	23.60 a	2,510	1962	12/18/61	22.40	--
1939	3/ 2/39	25.30 a	3,060	1963	3/13/63	18.61	--
1940	7/17/40	20.00 a	1,580	1964	4/28/64	23.39	--
1941	12/17/40	15.70 a	1,500	1965	2/12/65	22.50	--
1942	4/11/42	24.50 a	4,190	1966	2/13/66	22.00	--
1943	3/15/43	19.80 a	2,450	1967	5/ 7/67	15.85	--
1944	3/30/44	26.20 a	6,790	1968	1/11/68	23.30 q	--
1945	1/ 5/45	25.60 a	4,640	1969	12/ 2/68	23.40	--
1946	1/21/46	24.64 b	3,520	1970	12/31/69	21.00 q	--
1947	4/14/47	22.02	1,690	1971	2/23/71	21.15	--
1948	2/15/48	24.73	3,530	1972	1/15/72	22.66	--
1949	3/28/49	--	2,340	1973	3/22/73	25.27	--
1950	3/15/50	24.90	3,940	1974	1/12/74	23.10	--
1951	1/15/51	23.04	2,350	1975	3/15/75	23.23	--
1952	12/22/51	19.70	1,410	1976	1/ 4/76	20.89	--
1953	5/19/53	23.62	2,720	1977	3/ 5/77	21.60 q	--
1954	5/ 5/54	22.49	1,800	1978	5/ 9/78	23.79	--
1955	3/25/55	23.85	2,700	1979	1/ 8/79	23.00 q	--
1956	2/ 7/56	23.84	2,700	1980	3/22/80	23.80 q	--
1957	2/ 4/57	23.60	2,500	1981	5/27/81	18.20 q	--
1958	5/ 6/58	25.29	5,000	1982	4/21/82	21.60 q	--
1959	2/15/59	22.40	1,880	1983	12/29/82	26.10 q	--
1960	12/20/59	20.01	1,440	1984	12/ 6/83	25.00 q	--
1961	2/22/61	23.00					

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

q Gage height is a daily reading and may not be the maximum gage height for the water year.

07288650 Bogue Phalia near Leland, MS

LOCATION:

Lat 33°23'47", long 90°50'47", in NW 1/4 sec.20, T.18 N., R.6 W., Choctaw Meridian, Washington County, at bridge on State Highway 10, 0.7 mi upstream from Bogue Phalia cut-off, and 3.2 mi east of Leland.

GAGE:

Continuous-stage gage, water-stage recorder. Datum of gage is 86.21 ft above sea level.

DRAINAGE AREA: 484 mi<sup>2</sup> SLOPE: 0.8 ft/mi LENGTH: 61.8 mi

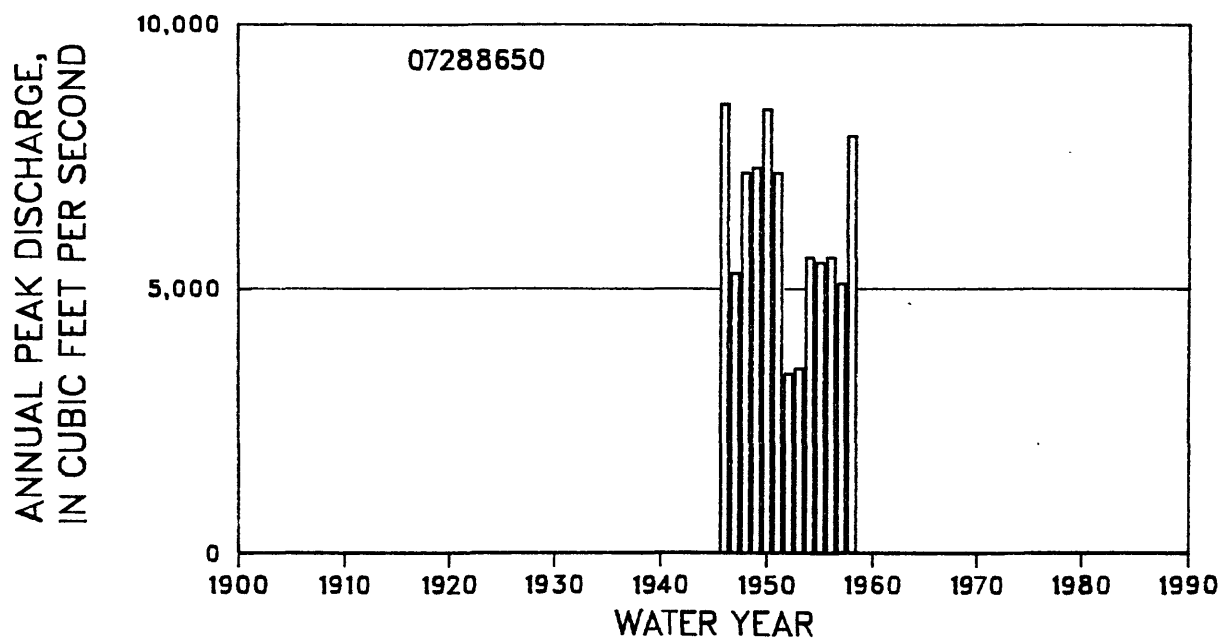
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.775  
STANDARD DEVIATION 0.131  
SKEW -0.412

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	6,080	7,700	8,620	9,640	10,300	10,900	11,500	12,200
REGIONAL	4,100	5,990	7,010	8,370	9,530	10,400	11,100	12,200
WEIGHTED	5,910	7,580	8,500	9,510	10,200	10,800	11,400	12,200

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	9	9	12	15	18	22	26
REGIONAL	34	34	36	38	38	40	42	45
WEIGHTED	9	8	9	11	14	16	19	22

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 13

Graph of annual peak discharges is shown below.



## 07288650 Bogue Phalia near Leland, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1946	1/12/46	28.00	8,500	1966	2/12/66	26.31	--
1947	6/ 3/47	24.90	5,300	1967	2/21/67	19.51	--
1948	2/16/48	26.63	7,200	1968	1/11/68	25.50 q	--
1949	3/30/49	26.74	7,300	1969	12/ 1/68	26.05	--
1950	3/17/50	27.81	8,400	1970	12/31/69	24.75	--
1951	1/ 7/51	26.58	7,200	1971	5/14/71	25.95	--
1952	2/ 4/52	22.56	3,400	1972	1/ 4/72	25.85	--
1953	5/20/53	22.74	3,500	1973	3/18/73	28.50	--
1954	5/ 3/54	25.24	5,600	1974	1/12/74	26.39	--
1955	3/22/55	25.08	5,500	1975	3/14/75	26.98	--
1956	2/ 8/56	25.19	5,600	1976	1/ 3/76	24.58	--
1957	2/ 1/57	24.70	5,100	1977	3/ 5/77	25.75	--
1958	5/ 5/58	27.11	7,900	1978	5/10/78	26.09	--
1959	2/13/59	23.26	--	1979	1/ 1/79	26.40 q	--
1960	3/ 4/60	19.70	--	1980	3/21/80	25.80 q	--
1961	2/24/61	26.80	--	1981	10/ 1/80	20.60 q	--
1962	12/12/61	24.50	--	1982	4/20/82	22.70 q	--
1963	7/17/63	22.45	--	1983	12/27/82	28.20 q	--
1964	4/27/64	26.01	--	1984	12/ 6/83	28.10 q	--
1965	2/12/65	25.49					

q Gage height is a daily reading and may not be the maximum gage height for the water year.

07288680 Big Sunflower River at Little Callao Landing, MS

LOCATION:

Lat 33°11'02", long 90°41'10", on south line of sec.35, T.16 N., R.5 W., Choctaw Meridian, Humphreys-Washington County line, Hydrologic Unit 08030207, at bridge on State Highway 12, 6.3 mi downstream from Beasley Bayou, 10.5 mi east of Hollandale, and at mi 62.2 (1947).

GAGE:

Continuous-stage gage, water-stage recorder. Datum of gage is 66.02 ft above sea level.

DRAINAGE AREA: 2,290 mi<sup>2</sup>

SLOPE: 0.4 ft/mi

LENGTH: 157 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:

MEAN 4.176

STANDARD DEVIATION 0.086

SKEW -0.140

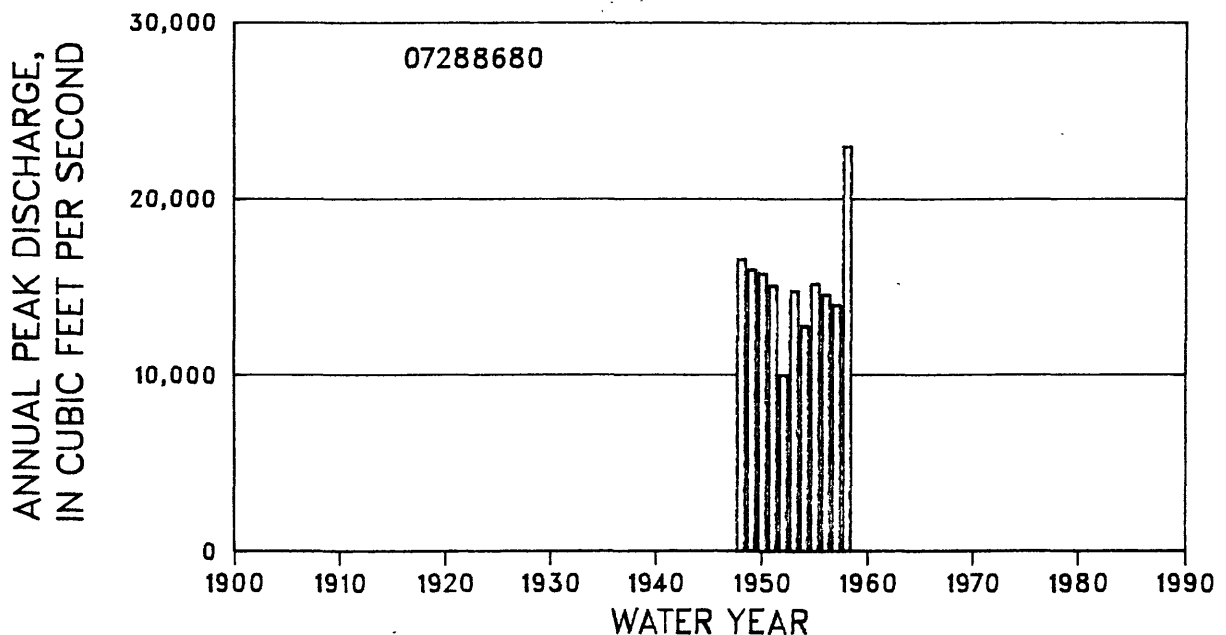
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	15,100	17,700	19,300	21,000	22,200	23,300	24,400	25,700

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	6	7	8	10	12	15	17	21

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 11

NOTE: The flood-frequency discharges are unweighted station estimates because the drainage area is outside the limitations of the regional equations, as presented by Landers and Wilson (1991). The discharges may be more uncertain than is indicated by the standard error of estimate.

Graph of annual peak discharges is shown below.



## 07288680 Big Sunflower River at Little Callao Landing, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1948	2/16/48	34.99	16,600	1967	5/24/67	24.70 q	--
1949	1/ 6/49	34.54	16,000	1968	1/12/68	35.32	--
1950	3/22/50	34.48	15,800	1969	12/ 3/68	35.20 q	--
1951	1/14/51	34.00	15,100	1970	4/27/70	32.79	--
1952	2/ 3/52	29.94	10,000	1971	2/27/71	32.61	--
1953	5/18/53	33.78	14,800	1972	1/ 6/72	34.93	--
1954	5/ 5/54	32.41	12,800	1973	3/21/73	37.53	--
1955	4/15/55	34.12	15,200	1974	1/28/74	35.53	--
1956	2/11/56	33.60	14,600	1975	3/16/75	35.44	--
1957	2/ 3/57	33.20	14,000	1976	3/11/76	30.96	--
1958	5/11/58	36.87	23,000	1977	3/ 6/77	33.31	--
1959	2/15/59	32.71	--	1978	5/13/78	35.48	--
1960	3/ 4/60	28.50	--	1979	4/14/79	35.50 q	--
1961	2/28/61	35.50	--	1980	3/31/80	35.30 q	--
1962	12/19/61	35.77	--	1981	10/ 2/80	22.80 q	--
1963	7/18/63	24.27	--	1982	4/22/82	30.60 q	--
1964	4/29/64	34.35	--	1983	12/31/82	38.80 q	--
1965	2/14/65	33.71	--	1984	12/ 7/83	36.90 q	--
1966	2/14/66	34.63					

q Gage height is a daily reading and may not be the maximum gage height for the water year.

07288690 Mills Bayou tributary near Hollandale, MS

LOCATION:

Lat 33°11'00", long 90°41'50", on line between SE 1/4 sec.34, T.16 N., R.5 W., and NE 1/4 sec.3, T.15 N., R.5 W. Washington County, Hydrologic Unit 08030207, at culvert on State Highway 12, and 10 mi east of Hollandale.

GAGE:

Crest-stage gage. Rain-gage and water-stage recorders also. Datum of gage is assumed.

DRAINAGE AREA: 0.05 mi<sup>2</sup> SLOPE: 12.2 ft/mi LENGTH: 0.6 mi

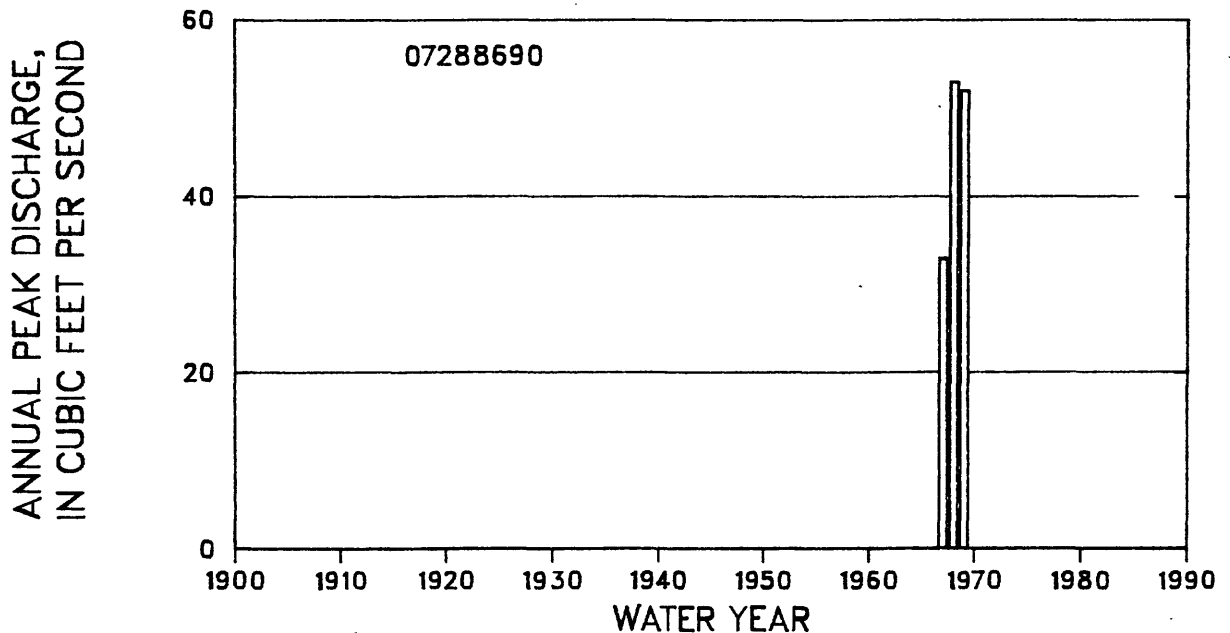
Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1967	7/ 6/67	4.54 d	33	1969	11/28/68	5.45	52
1968	1/10/68	5.46 d	53				

d Gage height not the maximum for the water year.

NOTE: The period of record is insufficient for station flood-frequency analysis. No regional flood-frequency discharges are presented in this report because the drainage area and slope are outside the limitations of the regional equations, as presented by Landers and Wilson (1991).

Graph of annual peak discharges is shown below.





07288690 Mills Bayou tributary near Hollandale, MS

Only limited peak stage and discharge data are available for this site.

07288770 Deer Creek near Hollandale, MS

LOCATION:

Lat 33°08'59", long 90°50'47", in NW 1/4 sec.17, T.15 N., R.6 W., Choctaw Meridian, Washington County, Hydrologic Unit 08030209, and at bridge 1 mi south of Hollandale.

GAGE:

Continuous-stage gage, water-stage recorder. Datum of gage is 93.57 ft above sea level. Prior to January, 1948, nonrecording gage.

DRAINAGE AREA: 98.0 mi<sup>2</sup> SLOPE: 0.4 ft/mi LENGTH: 69.8 mi

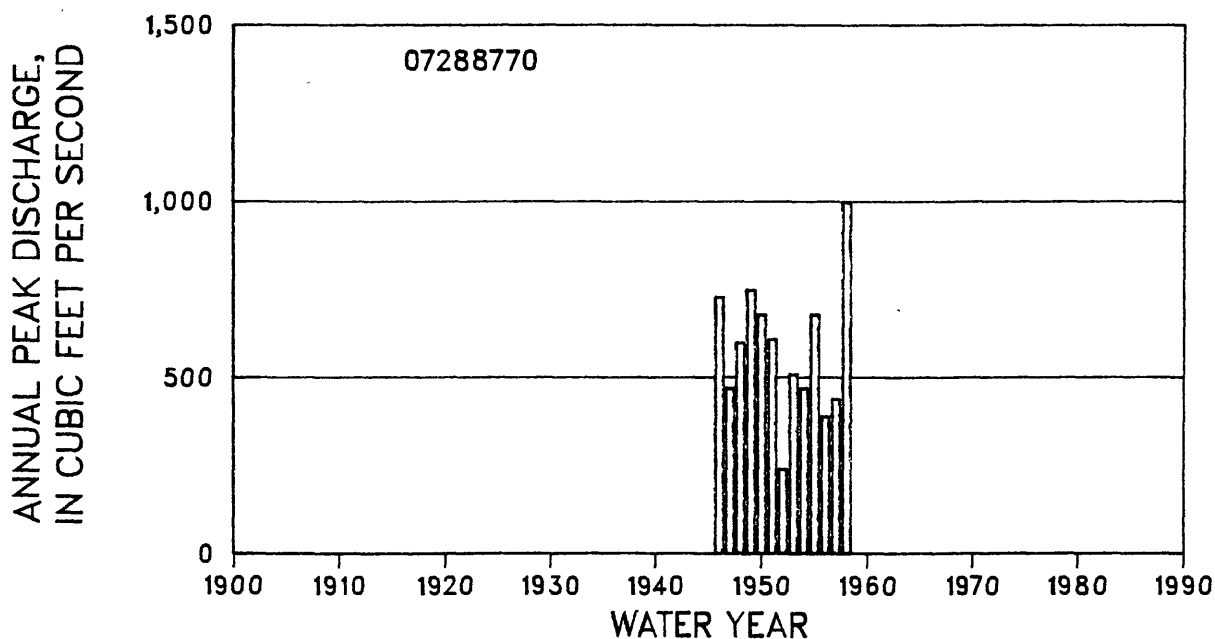
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.757  
STANDARD DEVIATION 0.125  
SKEW -0.017

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	572	729	827	945	1,030	1,110	1,200	1,300
REGIONAL	807	982	1,060	1,150	1,260	1,330	1,390	1,490
WEIGHTED	585	745	845	970	1,070	1,160	1,250	1,360

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	9	11	14	18	21	25	30
REGIONAL	34	34	36	38	38	40	42	45
WEIGHTED	8	9	10	13	16	19	21	25

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 13

Graph of annual peak discharges is shown below.



## 07288770 Deer Creek near Hollandale, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1946	2/17/46	15.50	730	1966	2/18/66	13.06	--
1947	4/16/47	12.72	470	1967	7/ 6.67	7.63	--
1948	2/19/48	14.12	600	1968	1/13/68	13.60 q	--
1949	4/ 3/49	15.70	750	1969	12/ 5/68	14.88	--
1950	3/24/50	15.03	680	1970	3/26/70	11.71	--
1951	1/13/51	14.26	610	1971	5/21/71	12.63	--
1952	2/ 3/52	9.24	240	1972	1/11/72	13.00 q	--
1953	5/24/53	13.17	510	1973	3/18/73	17.97	--
1954	5/ 6/54	12.70	470	1974	1/25/74	15.34	--
1955	3/25/55	15.05	680	1975	3/24/75	15.73	--
1956	2/10/56	11.64	390	1976	3/15/76	13.26	--
1957	2/ 6/57	12.30	440	1977	3/12/77	11.62	--
1958	5/ 6/58	18.18	1,000	1978	5/14/78	16.00 q	--
1959	2/17/59	14.28	--	1979	5/ 5/79	16.60 q	--
1960	3/21/60	9.81	--	1980	3/30/80	16.40 q	--
1961	2/28/61	16.99	--	1981	6/12/81	8.20 q	--
1962	12/18/61	14.50	--	1982	4/24/82	9.80 q	--
1963	7/26/63	11.70	--	1983	1/ 3/83	18.10 q	--
1964	5/ 4/64	11.76	-	1984	12/13/83	16.90 q	--
1965	2/18/65	11.30					

q Gage height is a daily reading and may not be the maximum gage height for the water year.

# 07289000 Mississippi River at Vicksburg, MS

## LOCATION:

Lat 32°18'45", long 90°54'25", in sec.32, T.16 N., R.3 E., Washington Meridian, Warren County, Hydrologic Unit 08060100, on left bank at downstream side of U.S. Interstate 20 bridge, and at mi 435.3.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 46.22 ft above sea level. Prior to April 1930, at mouth of Yazoo diversion Canal 1.5 mi upstream. From Sept. 1, 1934, to Dec. 31, 1962, nonrecording gage at bridge; from Jan. 1, 1963, to Dec. 31, 1967, water-stage recorder on left bank at downstream side of bridge; and from Jan. 1, 1968, to Dec. 31, 1976, on left bank at site 1.1 mi upstream.

DRAINAGE AREA: 1,140,400 mi<sup>2</sup>

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:	MEAN	6.132
	STANDARD DEVIATION	0.104
	SKEW	-0.583

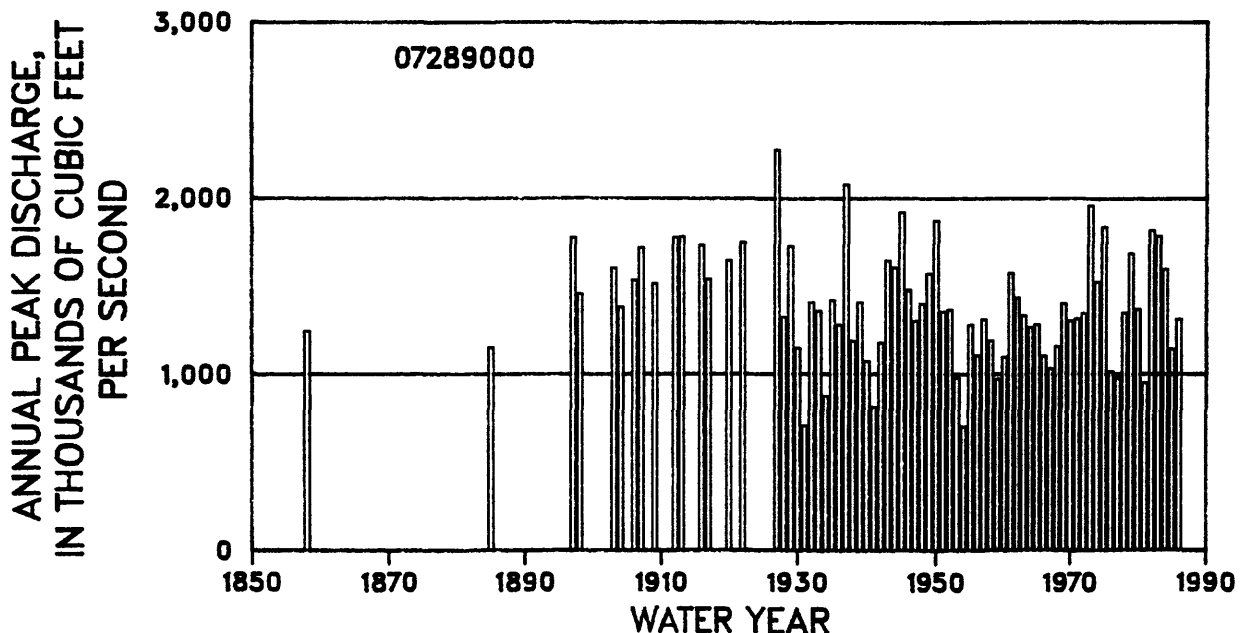
	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN THOUSANDS OF CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
T	2	5	10	25	50	100	200	500
STATION	1,390	1,660	1,810	1,960	2,050	2,130	2,200	2,290

	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
T	2	5	10	25	50	100	200	500
STATION	3	2	3	3	4	5	6	8

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 96

NOTE: The flood-frequency discharges are unweighted station estimates; the watershed characteristics are outside the limitations of the regional equations, as presented by Landers and Wilson (1991).

Graph of annual peak discharges is shown below.



## 07289000 Mississippi River at Vicksburg, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1858	6/24/58	--	1,244,000 f	1950	2/23/50	--	1,876,000
1885	1/22/85	--	1,151,000	1951	3/12/51	36.20	1,356,000
1897	4/15/97	--	1,777,000	1952	4/10/52	38.49	1,368,000
1898	4/23/98	49.40 a	1,456,000	1953	5/27/53	--	983,000
1903	3/31/03	--	1,606,000	1954	5/ 8/54	--	706,000
1904	4/23/04	--	1,382,000	1955	4/ 7/55	--	1,282,000
1906	4/25/06	--	1,536,000	1956	3/ 3/56	--	1,108,000
1907	2/12/07	49.65 a	1,721,000	1957	6/ 7/57	40.10	1,312,000 e
1909	3/29/09	--	1,516,000 f	1958	5/16/58	--	1,191,000 e
1912	4/12/12	51.65 a	1,780,000	1959	3/ 1/59	--	977,000 e
1913	5/ 2/13	--	1,783,000	1960	4/25/60	35.08	1,100,000 e
1916	2/16/16	--	1,735,000	1961	5/30/61	44.90	1,578,000 e
1917	4/20/17	--	1,541,000	1962	4/ 2/62	--	1,435,000 e
1920	4/17/20	--	1,649,000	1963	4/ 2/63	--	1,334,000 e
1922	4/20/22	--	1,752,000	1964	4/ 2/64	36.05	1,267,000 e
1927	5/ 1/27	--	2,278,000 c	1965	4/22/65	--	1,284,000 e
1928	7/12/28	49.30 a	1,325,000 e	1966	2/28/66	--	1,105,000 e
1929	6/ 6/29	55.10 a	1,730,000 e	1967	5/29/67	--	1,035,000 e
1930	2/ 3/30	45.70 a	1,148,000 e	1968	4/12/68	--	1,158,000 e
1931	4/20/31	--	711,000 e	1969	2/19/69	38.60 a	1,404,000 e
1932	2/26/32	--	1,410,000	1970	5/16/70	--	1,304,000 e
1933	6/10/33	47.50	1,360,000	1971	3/14/71	37.24 a	1,317,000 e
1934	4/13/34	34.56	877,000	1972	5/ 8/72	--	1,347,000 e
1935	4/15/35	46.75	1,420,000	1973	5/12/73	--	1,962,000 e
1936	4/29/36	42.54	1,280,000	1974	2/ 9/74	--	1,526,000 e
1937	2/17/37	--	2,080,000	1975	4/13/75	--	1,839,000 e
1938	4/23/38	--	1,190,000	1976	3/ 7/76	33.60 a	1,016,000 e
1939	3/ 9/39	--	1,410,000	1977	4/19/77	--	980,000 e
1940	5/11/40	33.67	1,075,000	1978	4/ 6/78	--	1,350,000 e
1941	4/30/41	24.11	814,000	1979	4/28/79	--	1,690,000 e
1942	4/20/42	--	1,178,000	1980	4/12/80	--	1,370,000 e
1943	6/ 6/43	--	1,648,000	1981	6/ 2/81	--	956,000 e
1944	5/13/44	--	1,609,000	1982	3/ 8/82	--	1,820,000 e
1945	4/ 8/45	--	1,922,000	1983	5/27/83	49.30	1,789,000 e
1946	1/26/46	--	1,481,000	1984	5/26/84	45.80	1,600,000 e
1947	5/ 4/47	--	1,301,000	1985	3/15/85	42.20	1,143,000 e
1948	4/13/48	--	1,401,000	1986	12/16/85	38.70	1,312,000 e
1949	2/10/49	--	1,574,000				

HISTORICAL DATA: The 1927 peak is the highest known since 1858.

a Gage height at different site and (or) datum.

c Estimated.

e Discharge is a maximum daily average.

f Discharge is an historical peak.

07289010 Durden Creek at Vicksburg, MS

LOCATION:

Lat 32°17'50", long 90°52'10", in SE 1/4 sec.1, T.15 N., R.3 E., Washington Meridian, Warren County, Hydrologic Unit 08060100, at Waterways Experiment Station Lake (U.S. Army Corps of Engineers), upstream from Halls Ferry county road, and 2.3 mi south from this road's intersection with U.S. Highway 80 Bypass in Vicksburg.

GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is sea level.

DRAINAGE AREA: 5.50 mi<sup>2</sup> SLOPE: 17.6 ft/mi LENGTH: 5.4 mi

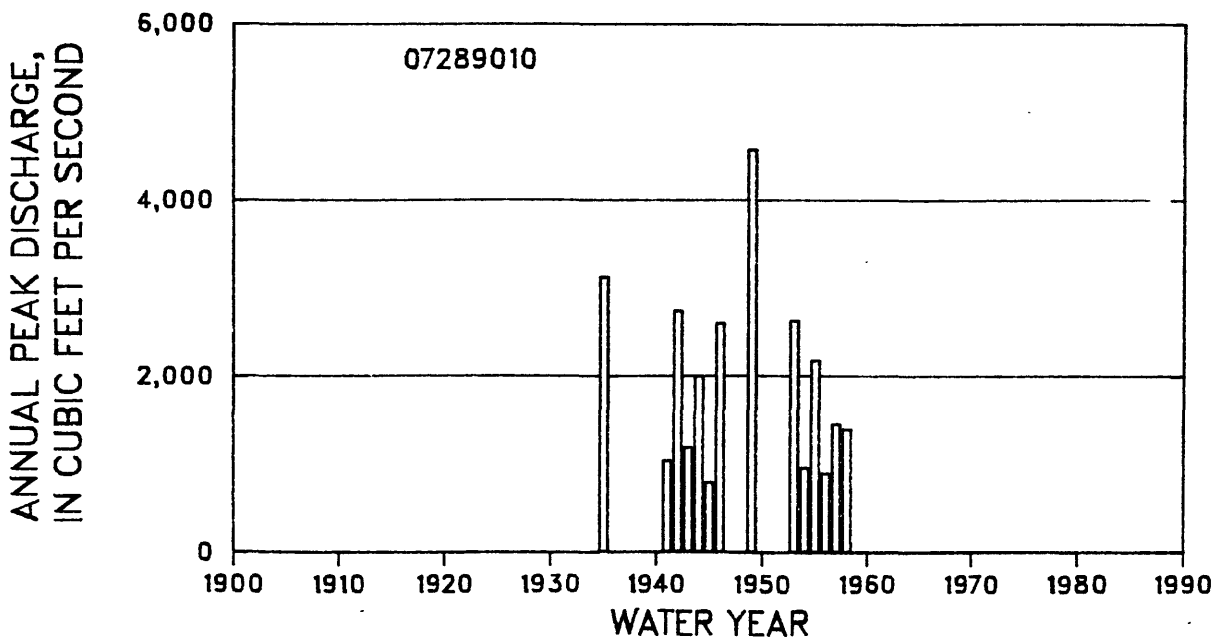
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.213  
STANDARD DEVIATION 0.217  
SKEW 0.090

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	1,620	2,480	3,110	3,970	4,660	5,390	6,160	7,250
REGIONAL	1,060	1,550	1,850	2,280	2,540	2,930	3,150	3,570
WEIGHTED	1,520	2,240	2,670	3,160	3,440	3,820	4,070	4,510

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	15	16	19	26	32	39	46	57
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	13	14	16	20	22	25	28	31

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 14

Graph of annual peak discharges is shown below.



07289010 Durden Creek at Vicksburg, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1935	5/ 5/35	--	3,120 f	1949	11/18/48	--	4,570 f
1941	11/23/40	--	1,040	1953	4/29/53	--	2,630
1942	5/14/42	--	2,740	1954	5/ 3/54	--	964
1943	3/19/43	--	1,190	1955	5/14/55	--	2,180
1944	3/28/44	--	2,000	1956	2/ 8/56	--	904
1945	3/17/45	--	795	1957	11/ 6/56	--	1,460
1946	6/26/46	--	2,600	1958	4/30/58	--	1,400

HISTORICAL DATA: The 1949 peak is the highest known between 1935 and 1958.

f Discharge is an historical peak.

07289100 Big Black River tributary near Eupora, MS

LOCATION:

Lat 33°32'00", long 89°17'40", in SW 1/4 sec.6, T.19 N., R.10 E., Webster County,  
Hydrologic Unit 08060201, at culvert on U.S. Highway 82, and 1.8 mi southwest of Eupora.

GAGE:

Crest-stage gage. From July 23, 1964, to Sept. 30, 1971, rain-gage and water stage  
recorder also. Datum of gage is assumed.

DRAINAGE AREA: 2.29 mi<sup>2</sup> SLOPE: 27.8 ft/mi LENGTH: 2.8 mi

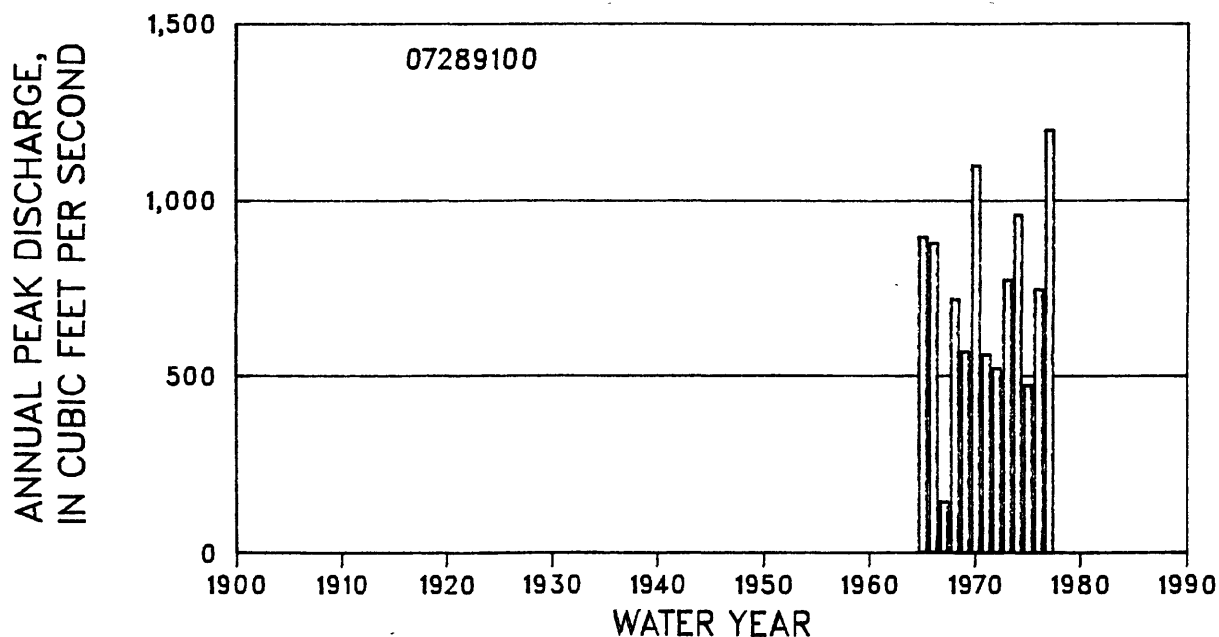
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.861  
STANDARD DEVIATION 0.140  
SKEW -0.116

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	731	953	1,090	1,260	1,380	1,490	1,610	1,750
REGIONAL	668	956	1,130	1,390	1,540	1,760	1,870	2,110
WEIGHTED	726	953	1,100	1,290	1,420	1,570	1,700	1,890

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	10	10	12	15	18	22	26	32
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	9	10	11	14	16	18	21	24

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 13

Graph of annual peak discharges is shown below.





## 07289100 Big Black River tributary near Eupora, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1965	2/11/65	7.11	898	1972	5/ 7/72	5.82	523
1966	4/26/66	7.05	880	1973	3/15/73	6.70	775
1967	2/20/67	4.01	145	1974	8/13/74	7.32	961
1968	5/25/68	7.04	721	1975	2/ 3/75	5.65	475
1969	3/23/69	5.99	570	1976	2/ 6/76	6.61	748
1970	3/19/70	7.79	1,100	1977	3/ 3/77	8.13	1,200
1971	2/26/71	5.96	562				

07289170 Mulberry Creek at Kilmichael, MS

LOCATION:

Lat 33°26'17", long 89°32'44", in SE 1/4 sec.10, T.18 N., R.7 E., Choctaw Meridian, Montgomery County, at bridge on U.S. Highway 82, 0.9 mi east of Kilmichael, and 2 mi upstream from mouth.

GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 296.85 ft above sea level. Prior to January 1948, nonrecording gage.

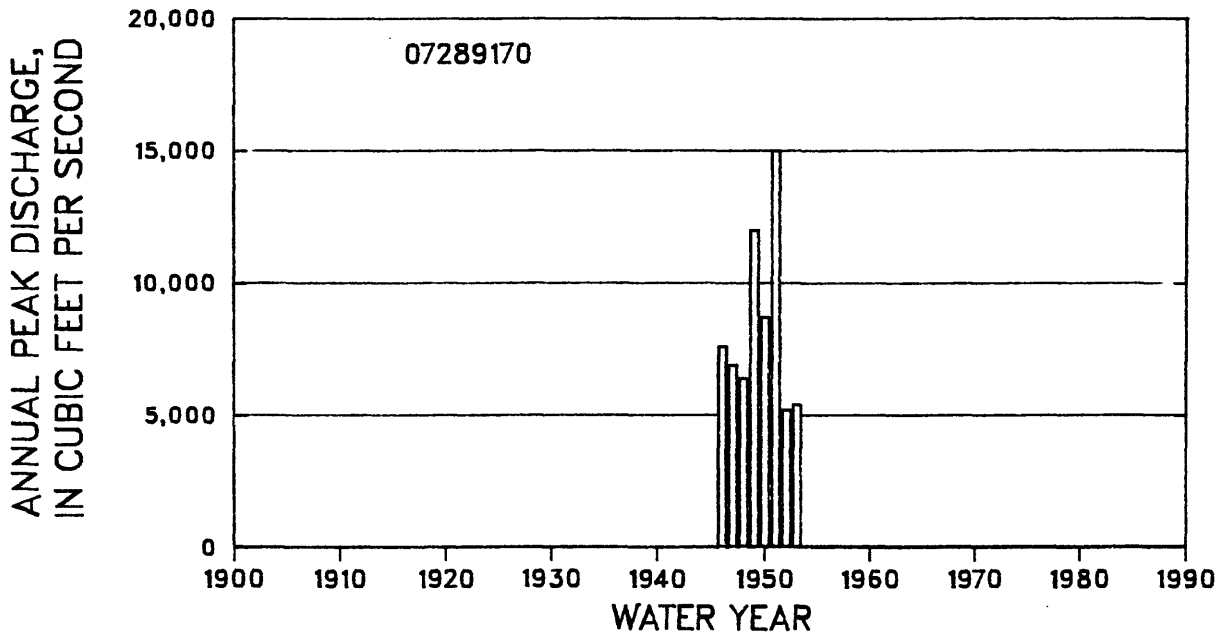
DRAINAGE AREA: 43.2 mi<sup>2</sup> SLOPE: 7.1 ft/mi LENGTH: 12.6 mi

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
REGIONAL	3,740	5,840	7,320	9,330	10,600	12,500	13,700	15,600

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
REGIONAL	35	31	30	31	32	34	36	39

NOTE: The period of record is insufficient for station flood-frequency analysis; therefore, only regional flood-frequency discharges are presented in this report.

Graph of annual peak discharges is shown below.



## 07289170 Mulberry Creek at Kilmichael, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1946	2/10/46	14.50	7,600	1950	3/14/50	14.89	8,700
1947	6/ 3/47	14.16	6,900	1951	3/29/51	16.45	15,000
1948	2/13/48	14.00	6,400	1952	12/21/51	13.50	5,200
1949	1/ 5/49	15.90	12,000	1953	2/22/53	13.63	5,400

# 07289180 Big Black River near Kilmichael, MS

## LOCATION:

Lat 33°25'30", long 89°34'30", in SW 1/4 sec.15, T.18 N., R.7 E., Choctaw Meridian, Montgomery County, Hydrologic Unit 08060201, and at bridge 1.5 southeast of Kilmichael.

## GAGE:

Continuous-stage gage, water-stage recorder. Datum of gage is 296.55 ft above sea level. Prior to Jan. 1, 1948, nonrecording gage.

DRAINAGE AREA: 564 mi<sup>2</sup>      SLOPE: 3.5 ft/mi      LENGTH: 41.7 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN    4.183  
    STANDARD DEVIATION    0.252  
    SKEW    -0.160

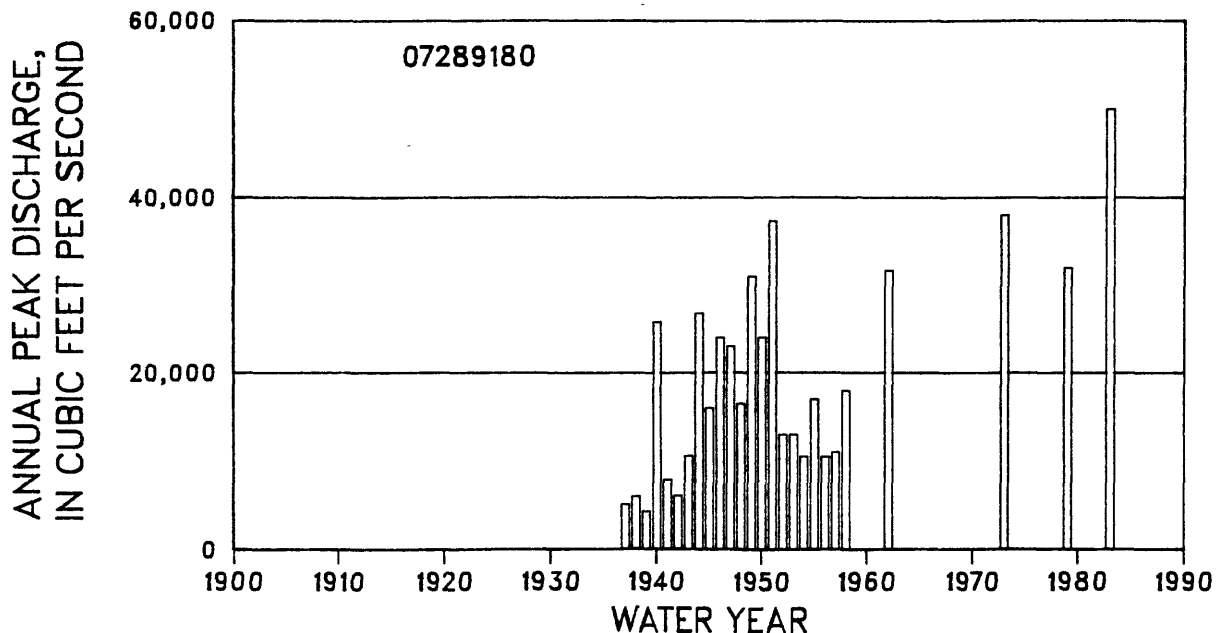
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	15,500	25,000	31,800	40,800	47,800	55,000	62,400	72,600
REGIONAL	21,900	37,100	48,600	63,900	74,000	88,600	98,400	113,000
WEIGHTED	16,200	26,700	34,800	46,700	56,400	67,900	78,100	92,700

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	13	14	16	20	25	30	35	43
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	12	12	14	17	19	22	25	28

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 23

NOTE: The logarithmic mean and standard deviation of the station record were computed after adjusting the record based on a correlation with long-term records at Station 07289350 using procedures described in Bulletin 17B (Interagency Advisory Committee on Water Data, 1982).

Graph of annual peak discharges is shown below.



## 07289180 Big Black River near Kilmichael, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1937	1/25/37	12.80	5,100	1960	3/ 4/60	14.08	--
1938	4/ 9/38	13.20	6,000	1962	12/17/61	16.40	31,700
1939	2/ 5/39	12.45	4,300	1964	4/27/64	13.84	--
1940	7/ 4/40	15.20	25,800	1965	2/12/65	15.40	--
1941	12/16/40	12.80	7,900	1966	2/13/66	14.45	--
1942	11/23/41	12.50	6,100	1967	5/24/67	13.30 q	--
1943	12/29/42	13.20	10,600	1968	1/11/68	15.24	--
1944	5/ 5/44	15.10	26,800	1969	4/15/69	15.10 q	--
1945	3/ 5/45	13.90	16,000	1970	1/ 1/70	15.73	--
1946	2/10/46	15.20	24,000	1971	2/28/71	14.80	--
1947	4/11/47	15.10	23,000	1972	1/ 4/72	16.00	--
1948	2/13/48	14.20	16,500	1973	3/16/73	17.53	38,000 cf
1949	1/ 5/49	16.30	31,000	1974	1/26/74	14.26	--
1950	3/14/50	15.32	24,000	1975	3/14/75	16.76	--
1951	3/29/51	17.23	37,300	1976	4/ 1/76	14.18	--
1952	12/21/51	14.00	13,000	1977	3/ 5/77	16.21	--
1953	2/22/53	14.01	13,000	1978	5/ 9/78	16.04	--
1954	5/ 3/54	13.71	10,500	1979	4/ /79	16.40	32,000 cf
1955	4/14/55	14.56	17,000	1980	4/14/80	16.00 q	--
1956	3/16/56	13.70	10,500	1981	4/ 1/81	13.80 q	--
1957	2/ 2/57	13.80	11,000	1982	1/ 5/82	15.40 q	--
1958	11/15/57	14.68	18,000	1983	5/ /83	18.10 q	50,000 cf
1959	2/13/59	13.20	--				

HISTORICAL DATA: The 1983 peak is the highest known since 1892.

c Estimated.

f Discharge is an historical peak.

q Gage height is a daily reading and may not be the maximum gage height for the water year.

# 07289225 Downing Branch near French Camp, MS

## LOCATION:

Lat 33°19'00", long 89°25'00", in SW 1/4 sec.24, T.17 N., R.8 E., Choctaw Meridian, Choctaw County, Hydrologic Unit 08060201, at a culvert on State Highway 413, and 2.0 mi north of French Camp.

## GAGE:

Crest-stage gage. From July 27, 1964, to Sept. 20, 1971, rain-gage and water-stage recorder also. Datum of gage is assumed.

DRAINAGE AREA: 1.74 mi<sup>2</sup> SLOPE: 24.5 ft/mi LENGTH: 2.5 mi

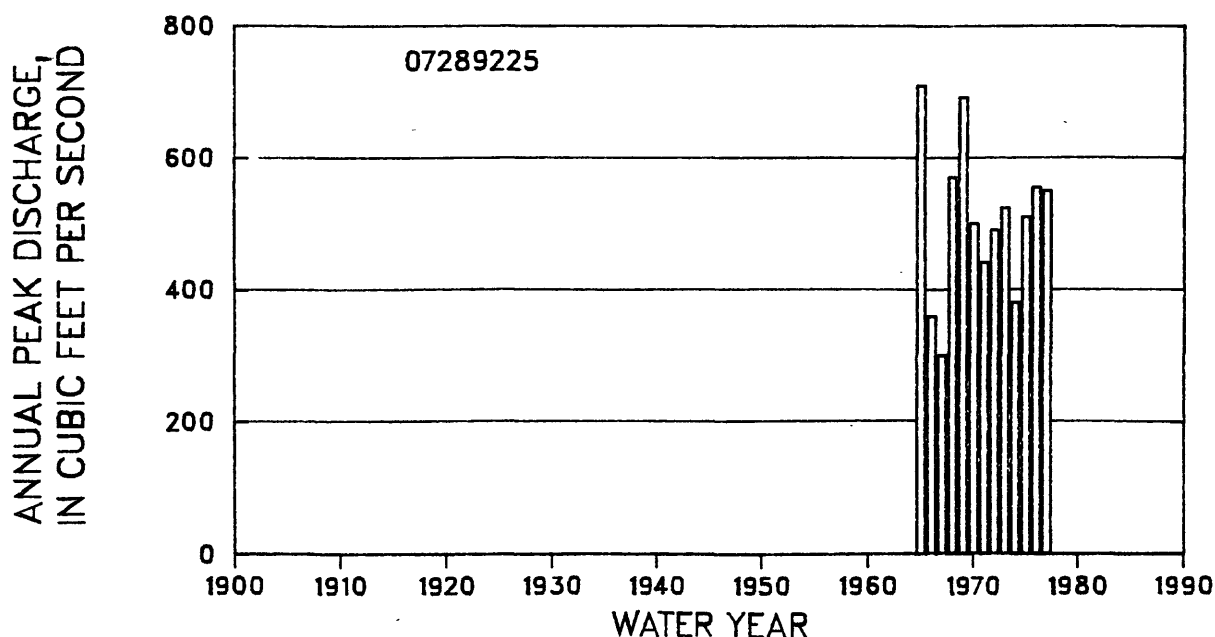
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.693  
STANDARD DEVIATION 0.107  
SKEW -0.236

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	498	607	670	742	791	836	879	932
REGIONAL	498	706	836	1,020	1,140	1,300	1,390	1,570
WEIGHTED	498	612	681	769	836	909	973	1,070

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	7	7	8	11	13	16	19	23
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	7	7	8	10	12	14	16	19

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 13

Graph of annual peak discharges is shown below.



07289225 Downing Branch near French Camp, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1965	2/11/65	8.95	709	1972	1/10/72	8.42	490
1966	4/26/66	7.35	360	1973	3/15/73	8.11	524
1967	5/22/67	7.60	300	1974	1/24/74	7.72	380
1968	12/18/67	8.60	570	1975	3/13/75	8.40	510
1969	4/13/69	8.87	691	1976	10/16/75	8.25	555
1970	4/16/70	8.27	500	1977	3/ 3/77	8.47	550
1971	2/26/71	8.12	441				

07289265 Hays Creek tributary no.1 near Vaiden, MS

LOCATION:

Lat 33°23'10", long 89°46'07", in SE 1/4 SW 1/4 sec.27, T.18 N., R.5 E., Choctaw Meridian, Carroll County, Hydrologic Unit 08060201, at bridge on U.S. Highway 51, and 3.9 mi north of Vaiden.

GAGE:

Crest-stage gage. Datum of gage is assumed.

DRAINAGE AREA: 14.6 mi<sup>2</sup> SLOPE: 15.5 ft/mi LENGTH: 6.0 mi

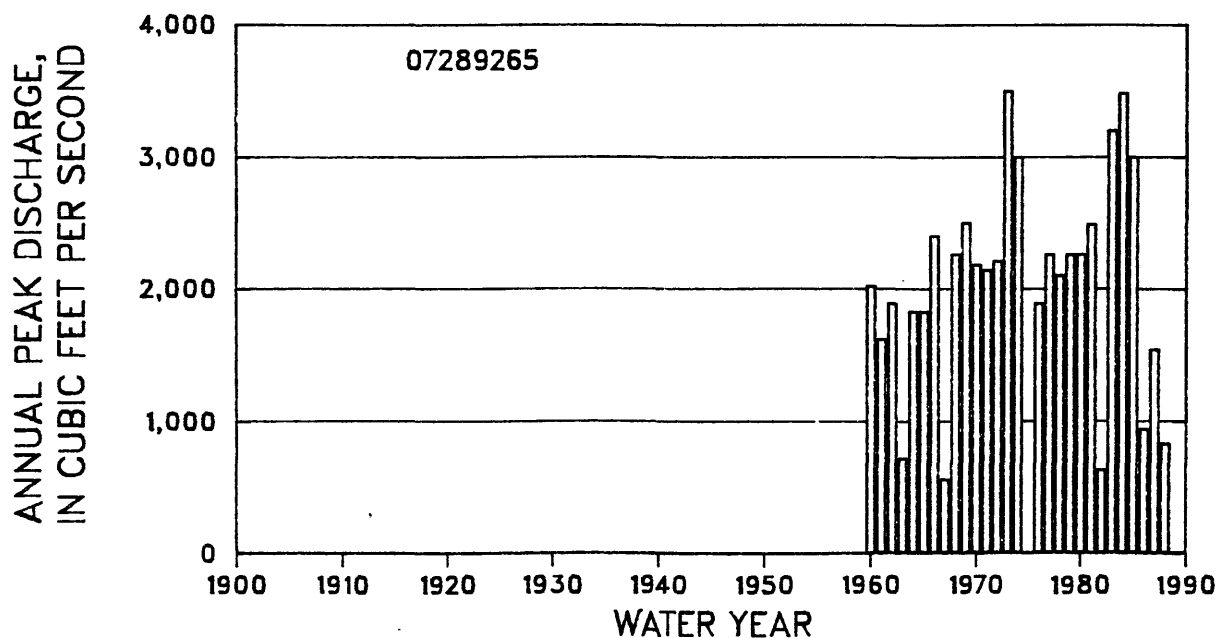
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.277  
STANDARD DEVIATION 0.207  
SKEW -0.205

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	1,920	2,840	3,440	4,210	4,770	5,330	5,890	6,620
REGIONAL	2,330	3,540	4,360	5,500	6,200	7,170	7,730	8,750
WEIGHTED	1,950	2,900	3,550	4,420	5,080	5,820	6,460	7,390

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	10	10	11	15	18	21	25	31
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	9	9	11	13	15	18	20	24

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 28

Graph of annual peak discharges is shown below.





## 07289265 Hays Creek tributary no.1 near Vaiden, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1960	12/17/59	25.39	2,020	1974	11/27/73	26.35	3,000
1961	2/21/61	24.85	1,620	1976	3/31/76	25.17	1,890
1962	12/17/61	25.18	1,890	1977	3/ 4/77	25.69	2,260
1963	3/12/63	22.58	720	1978	5/ 8/78	25.46	2,100
1964	3/ 2/64	25.12	1,830	1979	1/20/79	25.66	2,260
1965	3/ /65	25.13	1,830	1980	6/24/80	25.69	2,260
1966	2/10/66	25.79	2,400	1981	4/ 2/81	25.86	2,490
1967	unknown	--	560 h	1982	4/20/82	22.19	630
1968	5/16/68	25.67	2,260	1983	5/19/83	26.47	3,200
1969	4/10/69	25.89	2,500	1984	12/ 3/83	26.67	3,480
1970	4/16/70	25.55	2,180	1985	10/22/84	26.37	3,000
1971	4/30/71	25.50	2,140	1986	3/19/86	23.33	940
1972	1/ 4/72	25.60	2,210	1987	3/18/87	24.67	1,540
1973	3/16/73	26.68	3,500	1988	11/17/87	22.94	830

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

07289268 Hurricane Creek tributary near Vaiden, MS

LOCATION:

Lat 33°21'20", long 89°48'00", in NW 1/4 NW 1/4 sec.8, T.17 N., R.5 E., Choctaw Meridian, Carroll County, Hydrologic Unit 08060201, at culvert on State Highway 35, and 4.3 mi northwest from intersection of Highways 35 and 51 at Vaiden.

GAGE:

Crest-stage gage. From June 29, 1965, to Sept. 28, 1971, rain-gage and water-stage recorder also. Datum of gage is assumed.

DRAINAGE AREA: 0.40 mi<sup>2</sup> SLOPE: 71.8 ft/mi LENGTH: 1.0 mi

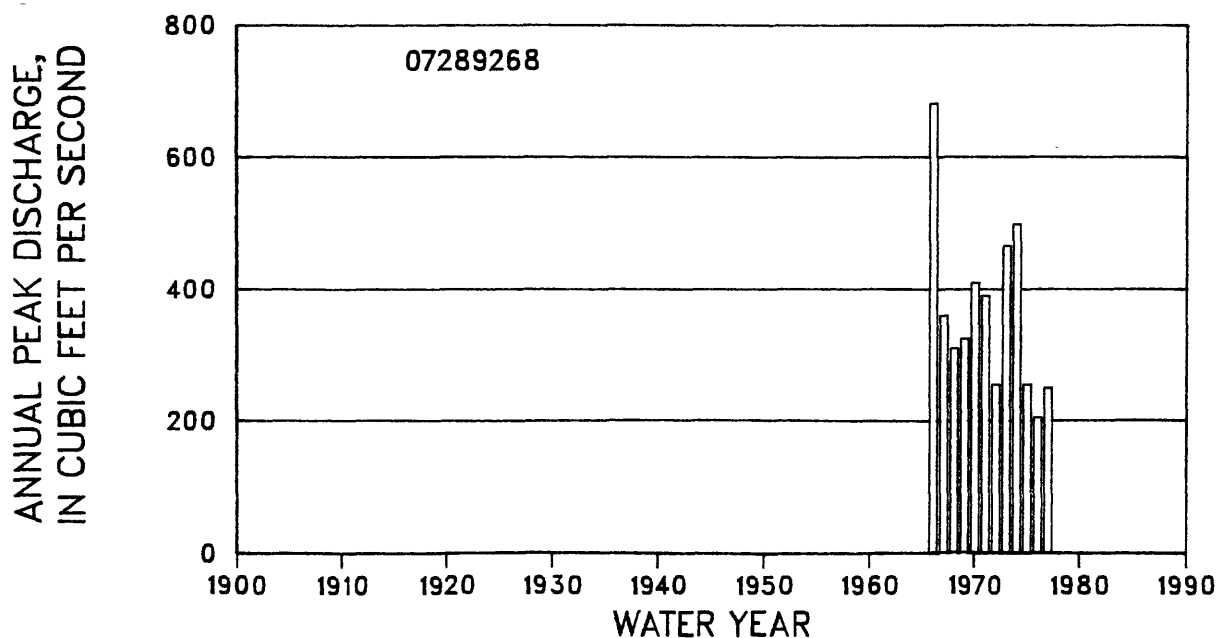
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.540  
STANDARD DEVIATION 0.150  
SKEW 0.051

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	346	464	541	639	711	784	858	957
REGIONAL	261	357	411	494	539	603	631	704
WEIGHTED	337	448	514	596	646	704	745	816

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	11	12	14	19	23	28	33	40
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	10	11	13	16	18	21	24	27

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 12

Graph of annual peak discharges is shown below.



07289268 Hurricane Creek tributary near Vaiden, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1966	4/26/66	9.54	681	1972	1/ 4/72	8.01	255
1967	6/23/67	7.72	360	1973	3/15/73	7.97	466
1968	5/ 8/68	7.26	310	1974	4/12/74	8.24	499
1969	4/10/69	7.49	325	1975	12/ 7/74	6.02	255
1970	12/30/69	7.49	410	1976	10/16/75	5.49	205
1971	2/26/71	8.62	390	1977	3/ 3/77	7.73	250

07289330 Zilpha Creek near Kosciusko, MS

LOCATION:

Lat 33°14'18", long 89°39'40", in NW 1/4 sec.23, T.16 N., R.6 E., Choctaw Meridian, Attala County, Hydrologic Unit 08060201, at bridge on State Highway 35, and 12.5 mi north of Kosciusko.

GAGE:

Crest-stage gage. Datum of gage is 270.69 ft above sea level.

DRAINAGE AREA: 86.6 mi<sup>2</sup> SLOPE: 6.8 ft/mi LENGTH: 19.1 mi

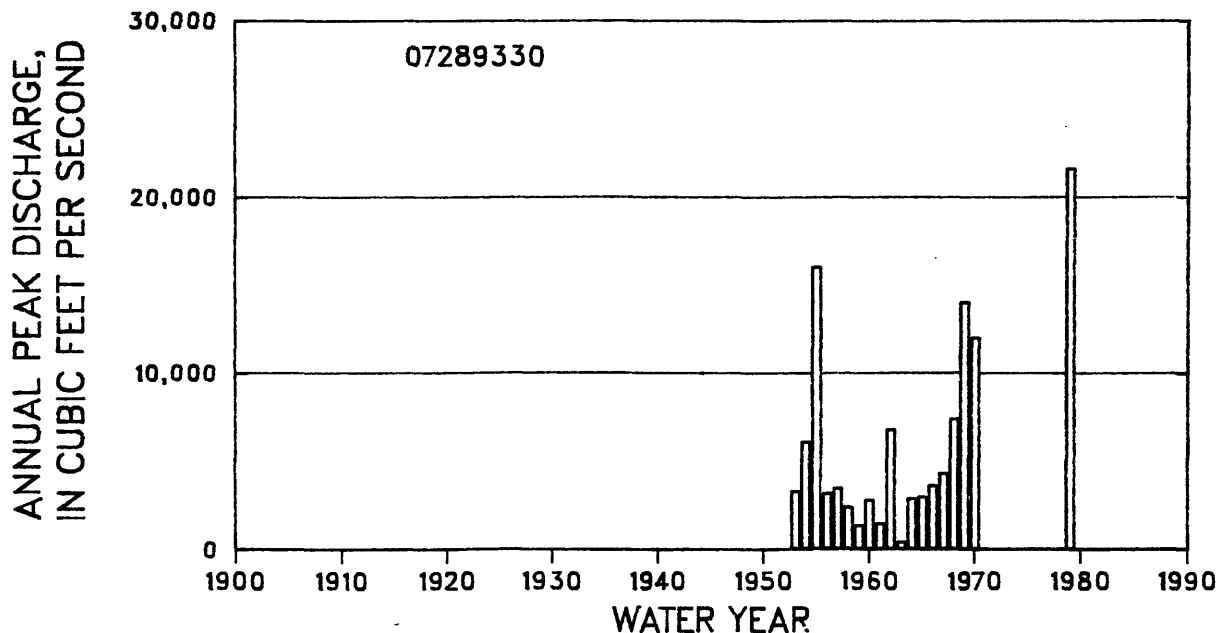
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.633  
STANDARD DEVIATION 0.349  
SKEW 0.124

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	4,220	8,390	12,100	18,100	23,500	29,900	37,200	48,800
REGIONAL	6,450	10,200	12,900	16,500	18,800	22,100	24,300	27,700
WEIGHTED	4,710	9,010	12,500	17,100	20,200	24,100	26,900	31,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	20	23	27	37	46	57	69	87
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	17	18	20	23	26	28	31	34

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 19

Graph of annual peak discharges is shown below.



## 07289330 Zilpha Creek near Kosciusko, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1953	2/20/53	25.11	3,300	1963	3/12/63	21.11	405
1954	5/ 4/54	25.96	6,100	1964	4/ 5/64	24.76	2,900
1955	4/13/55	27.49	16,000	1965	2/10/65	24.79	2,980
1956	2/ 4/56	25.10	3,200	1966	4/27/66	25.03	3,600
1957	12/15/56	25.21	3,500	1967	5/21/67	25.22	4,300
1958	11/14/57	24.75	2,400	1968	12/17/67	26.04	7,400
1959	unknown	24.13	1,350	1969	4/10/69	26.61	14,000
1960	3/13/60	24.94	2,800	1970	4/26/70	26.84	12,000
1961	3/31/61	24.20	1,460	1979	4/12/79	28.70	21,600 f
1962	12/17/61	25.87	6,800				

HISTORICA DATA: The 1979 peak is the highest known since 1953.

f Discharge is an historical peak.

# 07289350 Big Black River at West, MS

## LOCATION:

Lat 33°11'39", long 89°46'15", in NW 1/4 sec.3, T.15 N., R.5, E., Choctaw Meridian, Attala County, Hydrologic Unit 08060201, near right bank on downstream side of bridge on State Highway 19, 0.2 mi east of West, 5.2 mi upstream from Jordan Creek, and 7.1 mi downstream from Zilpha Creek.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 249.74 ft above sea level. Prior to June 10, 1948, nonrecording gage; from June 10, 1948, to Nov. 2, 1967, water-stage recorder at site about 2,000 ft downstream from present site.

DRAINAGE AREA: 1,030 mi<sup>2</sup>      SLOPE: 2.3 ft/mi      LENGTH: 76.8 mi

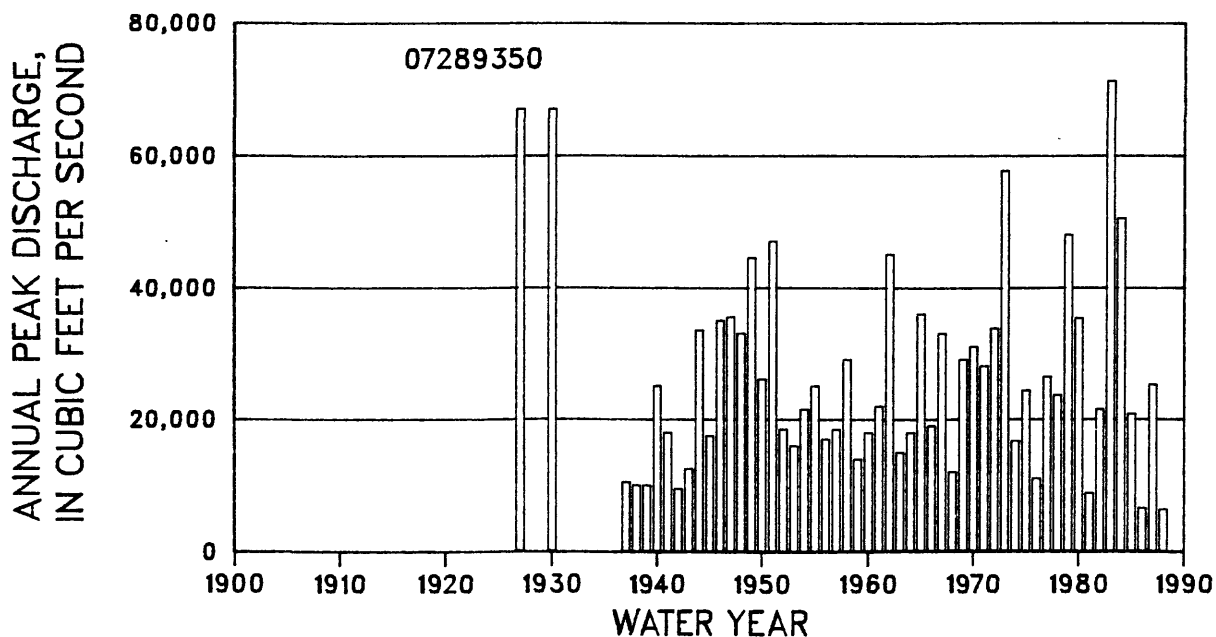
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN      4.357  
    STANDARD DEVIATION      0.230  
    SKEW      -0.047

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	22,900	35,600	44,700	57,000	66,600	76,500	86,900	101,000
REGIONAL	17,000	29,400	39,600	52,000	64,300	78,100	83,700	106,000
WEIGHTED	22,100	34,500	43,400	55,000	65,400	77,500	84,800	104,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	8	8	10	13	15	19	22	27
REGIONAL	22	19	17	16	15	15	16	17
WEIGHTED	7	8	8	10	11	12	13	14

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 54

Graph of annual peak discharges is shown below.



## 07289350 Big Black River at West, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1927	12/ /26	26.00	67,000 cf	1962	12/19/61	24.03 a	45,000
1930	5/ /30	26.00	67,000 cf	1963	7/20/63	19.36 a	15,000
1937	1/23/37	19.28	10,500	1964	4/28/64	19.97 a	18,000
1938	4/ 8/38	19.00	10,000	1965	2/12/65	22.77 a	36,000
1939	4/ 7/39	19.00	10,000	1966	4/30/66	20.20 a	19,000
1940	7/ 6/40	21.20	25,000	1967	1/10/67	22.25 a	33,000
1941	12/17/40	20.00	18,000	1968	5/23/68	18.90	12,000
1942	11/24/41	18.30	9,500	1969	12/19/68	21.80	29,000
1943	12/30/42	18.90	12,500	1970	12/31/69	22.10	31,000
1944	3/30/44	22.36	33,500	1971	2/22/71	21.48	28,000
1945	3/ 5/45	19.92	17,500	1972	1/ 5/72	23.08	33,800
1946	2/10/46	22.60	35,000	1973	3/16/73	25.11	57,700
1947	4/12/47	22.64	35,500	1974	12/25/73	21.20	16,700
1948	2/14/48	22.33	33,000	1975	3/15/75	22.12	24,300
1949	1/ 5/49	23.81 a	44,500	1976	3/31/76	20.00	11,000
1950	3/15/50	21.35 a	26,000	1977	3/ 4/77	22.36	26,400
1951	3/30/51	24.09 a	47,000	1978	5/ 9/78	22.04	23,600
1952	12/22/51	20.10 a	18,500	1979	4/13/79	24.27	48,000
1953	2/24/53	19.58 a	16,000	1980	11/26/79	23.13	35,300
1954	5/ 3/54	20.61 a	21,500	1981	4/ 2/81	19.03	8,800
1955	4/14/55	21.16 a	25,000	1982	4/22/82	21.15	21,500
1956	3/17/56	19.80 a	17,000	1983	5/21/83	26.08	71,200
1957	2/ 2/57	20.10 a	18,500	1984	12/ 5/83	24.48	50,500
1958	11/18/57	21.86 a	29,000	1985	10/25/84	21.20	20,800
1959	2/14/59	19.30 a	14,000	1986	3/22/86	18.28	6,520
1960	3/ 3/60	20.00 a	18,000	1987	3/ 1/87	21.82	25,200
1961	4/ 1/61	20.60 a	22,000	1988	4/ 3/88	18.22	6,330

HISTORICAL DATA: The 1927 peak is the highest known since 1892.

a Gage height at different site and (or) datum.

c Estimated.

f Discharge is an historical peak.

07289395 Sharkey Creek tributary near West, MS

LOCATION:

Lat 33°08'47", long 89°44'27", in NW 1/4 sec.24, T.15 N., R.5 E., Choctaw Meridian, Attala County, Hydrologic Unit 08060201, at culvert on State Highway 19, and 4.7 mi southeast of West.

GAGE:

Crest-stage gage. Datum of gage is assumed. From Aug. 10, 1966, to Sept. 14, 1971, rain-gage and water-stage recorders also.

DRAINAGE AREA: 0.30 mi<sup>2</sup> SLOPE: 50.6 ft/mi LENGTH: 1.0 mi

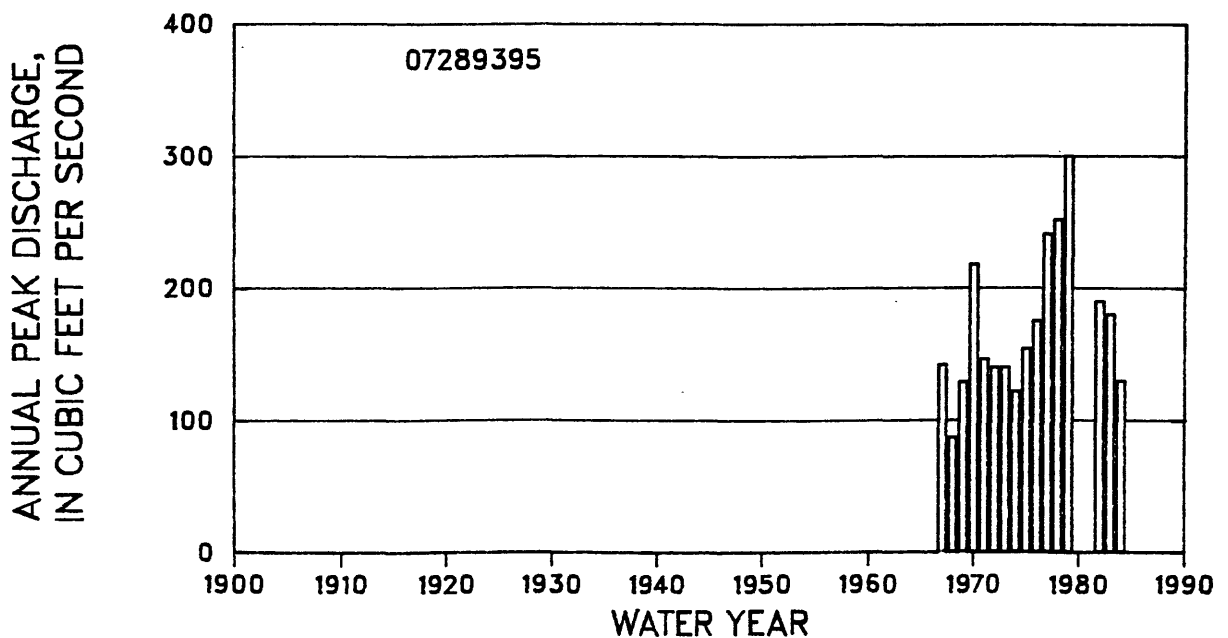
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.214  
STANDARD DEVIATION 0.137  
SKEW -0.007

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	164	214	245	285	313	341	369	406
REGIONAL	170	229	263	315	346	388	409	457
WEIGHTED	164	215	247	290	320	354	382	425

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	9	11	14	17	21	25	30
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	8	9	10	13	15	18	20	23

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 16

Graph of annual peak discharges is shown below.





## 07289395 Sharkey Creek tributary near West, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1967	6/ 1/67	6.17	142	1975	2/16/75	6.88	154
1968	2/ 1/68	5.16	87	1976	10/16/75	6.64	175
1969	4/10/69	6.56	129	1977	3/ 3/77	7.96	241
1970	4/26/70	7.67	218	1978	5/ 8/78	8.10	252
1971	2/21/71	6.78	146	1979	1/20/79	9.53	300
1972	1/ 4/72	6.93	140	1982	5/25/82	7.79	190
1973	12/14/72	6.04	140	1983	12/ 3/82	7.61	180
1974	4/12/74	6.14	122	1984	12/ 3/83	7.27	130

# 07289470 Tacketts Creek tributary near Pickens, MS

## LOCATION:

Lat 32°55'49", long 89°58'23", on line between NE 1/4 and SE 1/4 sec.34, T.13 N., R.3 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08060201, at culvert on State Highway 17, and 3.6 mi north of Pickens.

## GAGE:

Crest-stage gage. Datum of gage is assumed. From May 20, 1965, to Sept. 30, 1971, rain-gage and water-stage recorder also..

DRAINAGE AREA: 0.15 mi<sup>2</sup> SLOPE: 110 ft/mi LENGTH: 0.5 mi

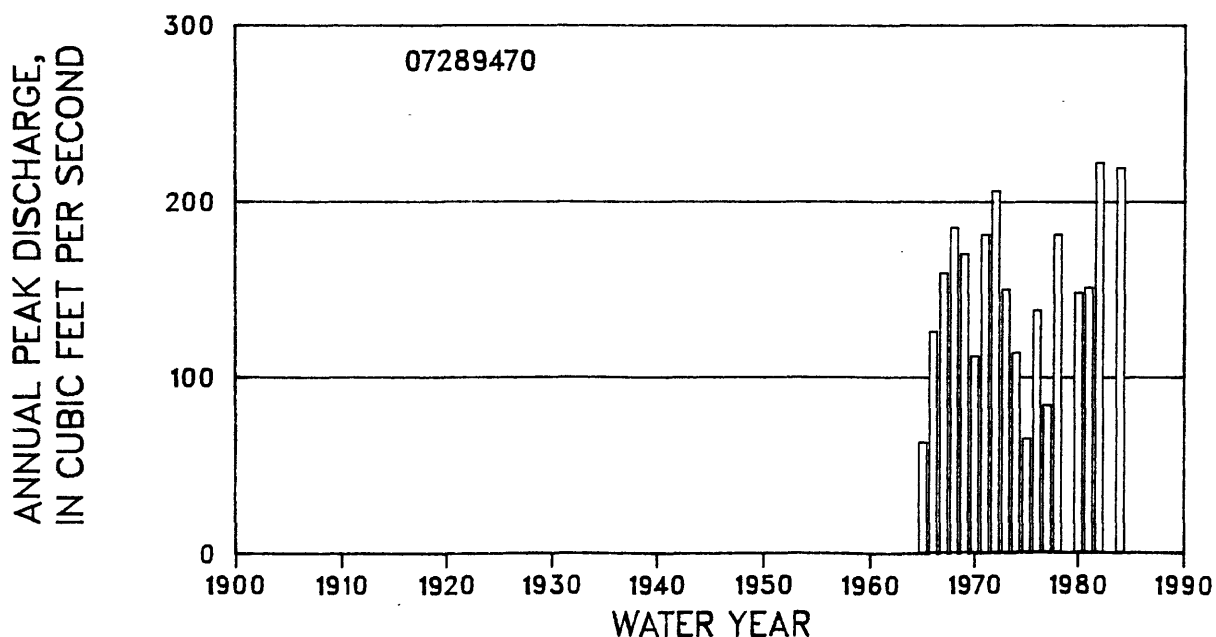
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.146  
STANDARD DEVIATION 0.164  
SKEW -0.417

	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
T	2	5	10	25	50	100	200	500
STATION	144	193	223	256	279	300	320	344
REGIONAL	148	198	225	270	293	325	337	374
WEIGHTED	144	193	223	258	282	306	325	354

	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
T	2	5	10	25	50	100	200	500
STATION	10	9	10	13	16	19	23	28
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	9	9	10	12	14	17	19	22

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 18

Graph of annual peak discharges is shown below.



## 07289470 Tacketts Creek tributary near Pickens, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1965	10/ 4/64	4.72	63	1975	8/ 1/75	4.30	65
1966	2/10/66	5.52	126	1976	3/27/76	5.71	138
1967	7/ 5/67	6.07	159	1977	3/ 3/77	5.06	84
1968	7/ 3/68	6.50	185	1978	6/19/78	6.43	181
1969	4/13/69	6.25	170	1979	4/12/79	7.90	--
1970	4/26/70	5.24	112	1980	3/17/80	5.89	148
1971	2/21/71	6.43	181	1981	4/ 2/81	5.94	151
1972	1/ 4/72	6.84	206	1982	1/23/82	7.07	222
1973	3/15/73	5.92	150	1983	4/ 6/83	6.49 m	--
1974	5/26/74	5.29	114	1984	5/ 3/84	7.03	219

m Gage height affected by backwater.

# 07289500 Big Black River at Pickens, MS

## LOCATION:

Lat 32°52'50", long 89°57'58", in SW 1/4 sec.14, T.2 N., R.3 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08060201, at bridge on old U.S. Highway 51, 0.5 mi southeast of Pickens, 6 mi downstream from Seneasha Creek, 6 mi upstream from Cypress Creek, and at mi 160.3.

## GAGE:

Continuous-stage gage, water-stage recorder. Datum of gage is 196.26 ft above sea level. Prior to Aug. 20, 1939, nonrecording gage.

DRAINAGE AREA: 1,490 mi<sup>2</sup> SLOPE: 1.7 ft/mi LENGTH: 120 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.256  
STANDARD DEVIATION 0.323  
SKEW -0.257

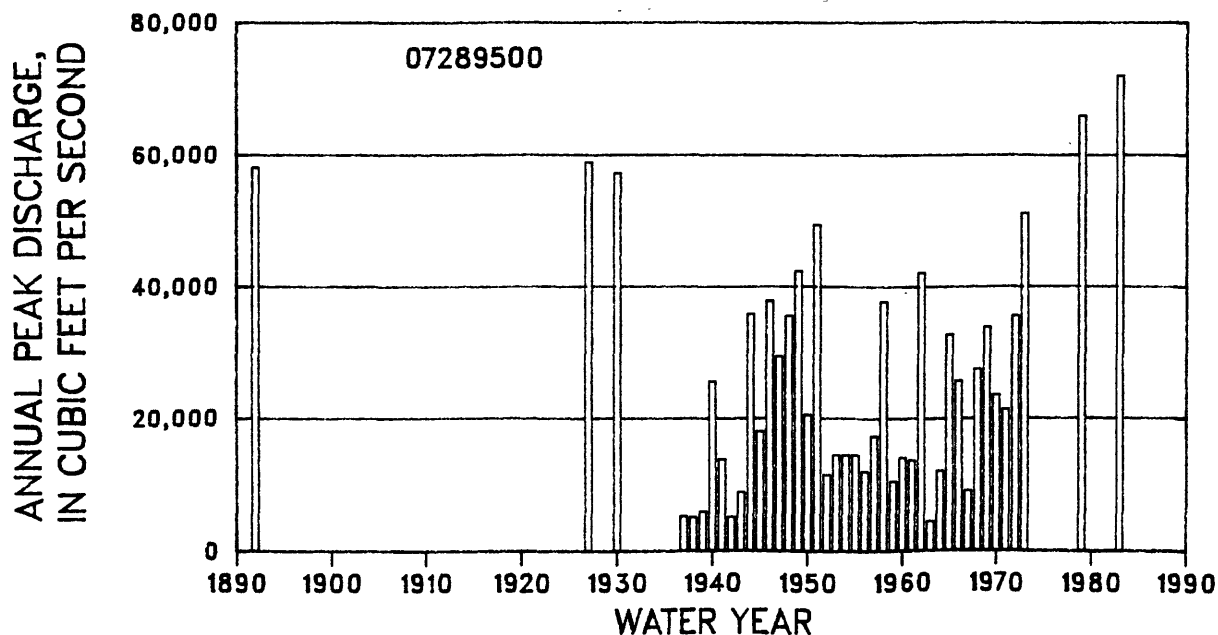
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	18,600	34,000	45,700	62,000	74,900	88,300	102,000	122,000
REGIONAL	18,500	30,900	41,200	53,200	65,300	78,600	83,200	104,000
WEIGHTED	18,600	33,000	43,800	56,800	68,100	80,800	86,600	107,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	13	13	14	18	23	27	32	40
REGIONAL	22	19	17	16	15	15	16	17
WEIGHTED	11	11	11	12	12	13	14	16

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 40

NOTE: The logarithmic mean and standard deviation of the station record were computed after adjusting the record based on a correlation with long-term records at Station 07289350 using procedures described in Bulletin 17B (Interagency Advisory Committee on Water Data, 1982).

Graph of annual peak discharges is shown below.



## 07289500 Big Black River at Pickens, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1892	unknown	23.60	58,100 f	1959	2/16/59	18.21	10,600
1927	12/29/26	23.70	58,900 f	1960	3/ 6/60	18.41	14,200
1930	5/ /30	23.50	57,300 f	1961	4/ 3/61	18.70	13,800
1937	1/26/37	18.80	5,300	1962	12/18/61	21.52	42,200
1938	4/10/38	18.70	5,160	1963	7/25/63	14.62	4,540
1939	2/11/39	18.07	6,000	1964	4/30/64	18.50	12,200
1940	7/ 8/40	19.92	25,600	1965	2/14/65	20.36	32,800
1941	12/19/40	18.97	13,900	1966	2/14/66	19.72	25,700
1942	1/ 1/42	17.35	5,180	1967	5/23/67	18.07	9,150
1943	1/ 2/43	18.45	8,950	1968	1/12/68	19.80 q	27,500
1944	3/31/44	20.34	35,900	1969	4/16/69	20.47	33,900
1945	2/22/45	19.17	18,100	1970	4/28/70	19.45	23,600
1946	2/11/46	20.85	37,900	1971	3/ 1/71	19.27	21,400
1947	4/13/47	20.16	29,400	1972	1/ 6/72	20.66	35,600
1948	2/15/48	20.52	35,600	1973	3/18/73	22.74	51,200
1949	1/ 7/49	21.95	42,400	1974	1/30/74	19.20	--
1950	3/17/50	19.37	20,600	1975	3/17/75	19.88	--
1951	3/28/51	22.20	49,400	1976	4/ 1/76	18.60 q	--
1952	12/26/51	18.47	11,600	1977	3/ 7/77	19.70 q	--
1953	2/26/53	18.62	14,600	1978	12/ 2/77	20.40 q	--
1954	5/ 5/54	18.82	14,600	1979	4/13/79	23.60	66,000 cf
1955	4/16/55	18.82	14,600	1980	3/19/80	19.20 q	--
1956	3/18/56	18.46	12,100	1981	3/31/81	16.50 q	--
1957	2/ 3/57	18.56	17,400	1982	4/24/82	18.70 q	--
1958	5/ 2/58	20.15	37,800	1983	5/ /83	--	72,000 cf

HISTORICAL DATA: The 1927, 1930, 1979, and 1983 peaks are the highest known since 1892.

c Estimated.

f Discharge is an historical peak.

q Gage height is a daily reading and may not be the maximum gage height for the water year.

07289505 Big Cypress Creek near Vaughn, MS

LOCATION:

Lat 32°50'00", long 90°02'10", in NW1 /4 sec.6, T.11 N., R.3 E., Choctaw Meridian, Yazoo County, Hydrologic Unit 08060202, on county road, and 1.8 mi north of Vaughn.

GAGE:

Crest-stage gage. Datum of gage is 182.70 ft above sea level.

DRAINAGE AREA: 86.6 mi<sup>2</sup> SLOPE: 3.4 ft/mi LENGTH: 28.7 mi

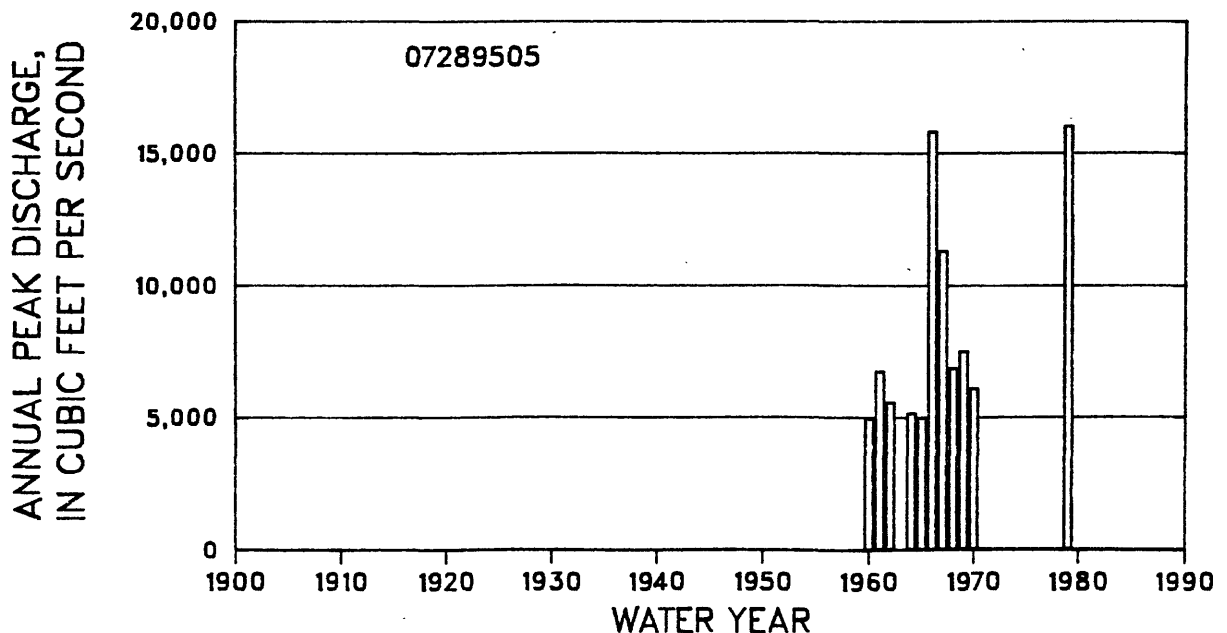
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.843  
STANDARD DEVIATION 0.161  
SKEW 0.229

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	6,870	9,480	11,300	13,700	15,600	17,600	19,600	22,500
REGIONAL	4,330	6,770	8,510	10,800	12,400	14,700	16,400	18,800
WEIGHTED	6,520	8,940	10,500	12,600	14,000	16,000	17,700	20,100

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	12	14	17	23	29	35	42	53
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	11	13	15	18	21	24	27	30

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 11

Graph of annual peak discharges is shown below.



## 07289505 Big Cypress Creek near Vaughn, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1960	12/17/59	30.15	4,960	1966	2/10/66	33.25	15,800
1961	3/31/61	31.02	6,750	1967	8/25/67	32.32	11,300
1962	12/17/61	30.48	5,570	1968	12/18/67	31.08	6,870
1963	3/12/63	20.70	--	1969	4/13/69	31.29	7,500
1964	3/ 2/64	30.26	5,160	1970	12/30/69	30.74	6,100
1965	3/ 1/65	30.16	4,970	1979	4/13/79	33.30	16,000 f

HISTORICAL DATA: The 1966 and 1979 peaks are the highest known since 1960.

f Discharge is an historical peak.

07289530 Doaks Creek near Canton, MS

LOCATION:

Lat 32°44'00", long 90°00'00", in NE 1/4 sec.9, T.10 N., R.3 E., Choctaw Meridian, Madison County, Hydrologic Unit 08060202, at bridge on U.S. Highway 51, 3.5 mi upstream from mouth, and 8.5 mi north of Canton.

GAGE:

Crest-stage gage. Datum is assumed.

DRAINAGE AREA: 164 mi<sup>2</sup> SLOPE: 4.4 ft/mi LENGTH: 31.4 mi

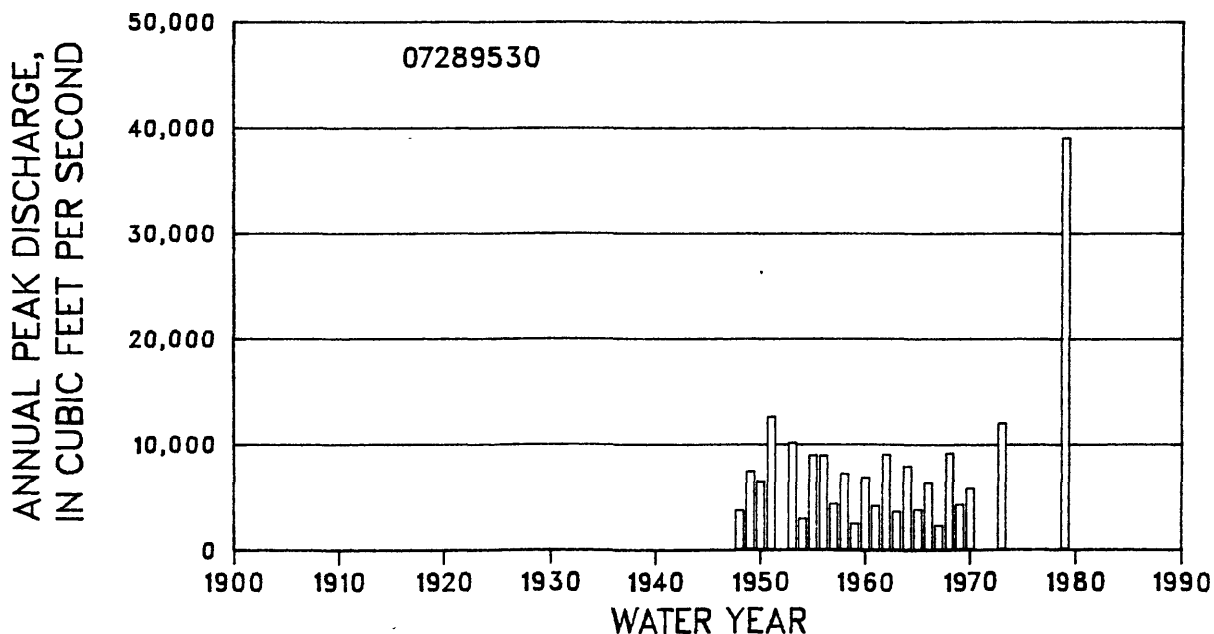
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.795  
STANDARD DEVIATION 0.254  
SKEW 0.283

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	6,070	10,100	13,400	18,300	22,600	27,400	32,800	41,000
REGIONAL	8,580	13,800	17,500	22,400	25,700	30,600	33,800	38,800
WEIGHTED	6,350	10,700	14,500	19,900	24,100	29,200	33,400	39,500

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	13	15	19	26	32	40	48	59
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	12	13	16	20	22	25	28	32

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 24

Graph of annual peak discharges is shown below.





## 07289530 Doaks Creek near Canton, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1948	2/13/48	15.35	3,760	1961	3/31/61	15.55	4,200
1949	unknown	16.81	7,400	1962	12/18/61	17.41	9,000
1950	2/13/50	16.47	6,460	1963	3/12/63	15.30	3,660
1951	1/ 7/51	18.46	12,600	1964	3/15/64	16.98	7,890
1953	4/30/53	17.71	10,100	1965	2/12/65	15.39	3,850
1954	5/ 1/54	14.93	2,930	1966	4/26/66	16.45	6,400
1955	4/13/55	17.32	8,900	1967	5/21/67	14.59	2,340
1956	4/ 6/56	17.31	8,870	1968	12/17/67	17.40	9,140
1957	4/ 5/57	15.62	4,360	1969	4/13/69	15.61	4,330
1958	5/ 2/58	16.73	7,170	1970	12/30/69	16.22	5,840
1959	5/22/59	14.69	2,500	1973	3/ /73	18.20	12,000
1960	3/ 3/60	16.60	6,820	1979	4/13/79	23.30	39,000 cf

HISTORICAL DATA: The 1979 peak is the highest known since 1948.

c Estimated.

f Discharge is an historical peak.

07289560 Bear Creek near Madison, MS

LOCATION:

Lat 32°30'50", long 90°05'10", in NW 1/4 sec.27, T.8 N., R.2 E., Choctaw Meridian, Madison County, Hydrologic Unit 08060202, at bridge on U.S. Highway 51, and 4 mi northeast of Madison.

GAGE:

Crest-stage gage located about 180 ft upstream from bridge. Datum of gage is 240.68 ft above sea level.

DRAINAGE AREA: 24.4 mi<sup>2</sup> SLOPE: 7.5 ft/mi LENGTH: 9.1 mi

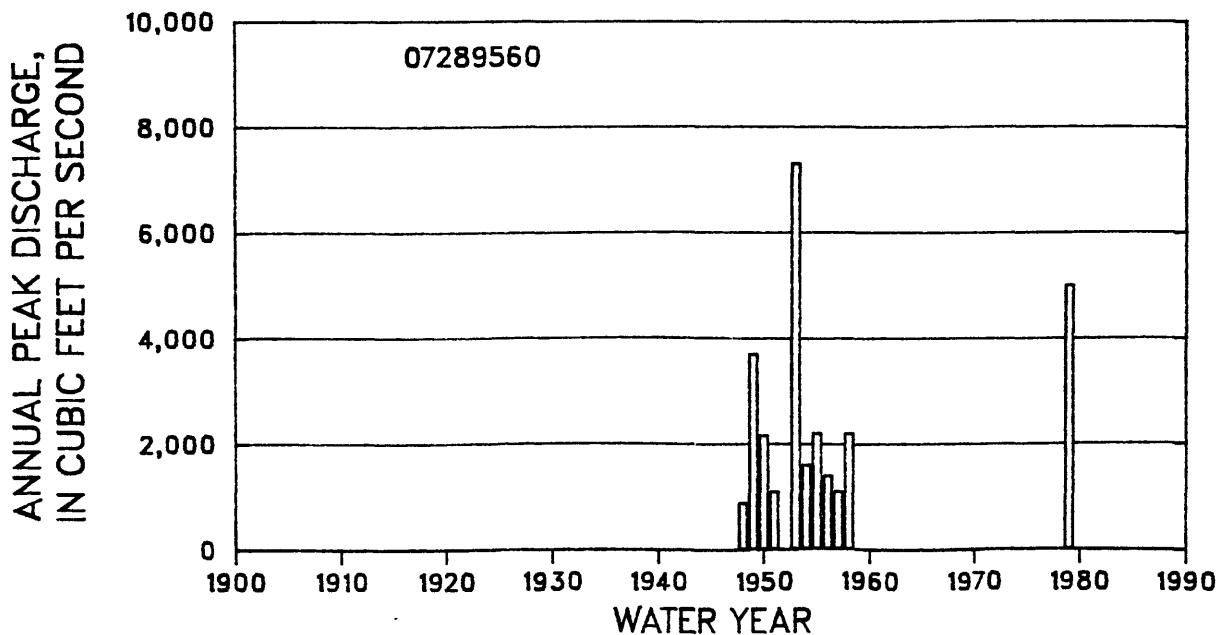
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.238  
STANDARD DEVIATION 0.218  
SKEW 0.237

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	1,700	2,620	3,330	4,330	5,160	6,060	7,050	8,480
REGIONAL	2,410	3,710	4,620	5,880	6,700	7,840	8,580	9,790
WEIGHTED	1,820	2,890	3,770	5,070	6,050	7,210	8,120	9,460

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	17	19	23	32	40	50	60	76
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	15	16	18	22	25	27	30	33

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 11

Graph of annual peak discharges is shown below.



07289560 Bear Creek near Madison, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1948	2/13/48	12.04	880	1955	4/13/55	13.36	2,200
1949	unknown	14.38	3,700	1956	2/ 4/56	--	1,400
1950	2/13/50	13.33	2,150	1957	4/ 4/57	--	1,100
1951	3/30/51	12.36	1,090	1958	5/ /58	--	2,200
1953	4/29/53	16.04	7,300	1979	4/13/79	14.52	5,000 cf
1954	5/ 1/54	12.85	1,600				

HISTORICAL DATA: The 1953 peak is the highest known between 1948 and 1979.

c Estimated.

f Discharge is an historical peak.

07289580 Bear Creek at Canton, MS

LOCATION:

Lat 32°36'00", long 90°03'00", in SE 1/4 sec.25, T.9 N., R.2 E., Choctaw Meridian, Madison County, Hydrologic Unit 08060202, at bridge on U.S. Highway 51, 0.5 mi upstream from Illinois Central Railroad, and 0.8 mi south of Canton.

GAGE:

Crest-stage gage. Datum of gage is 217.00 ft above sea level.

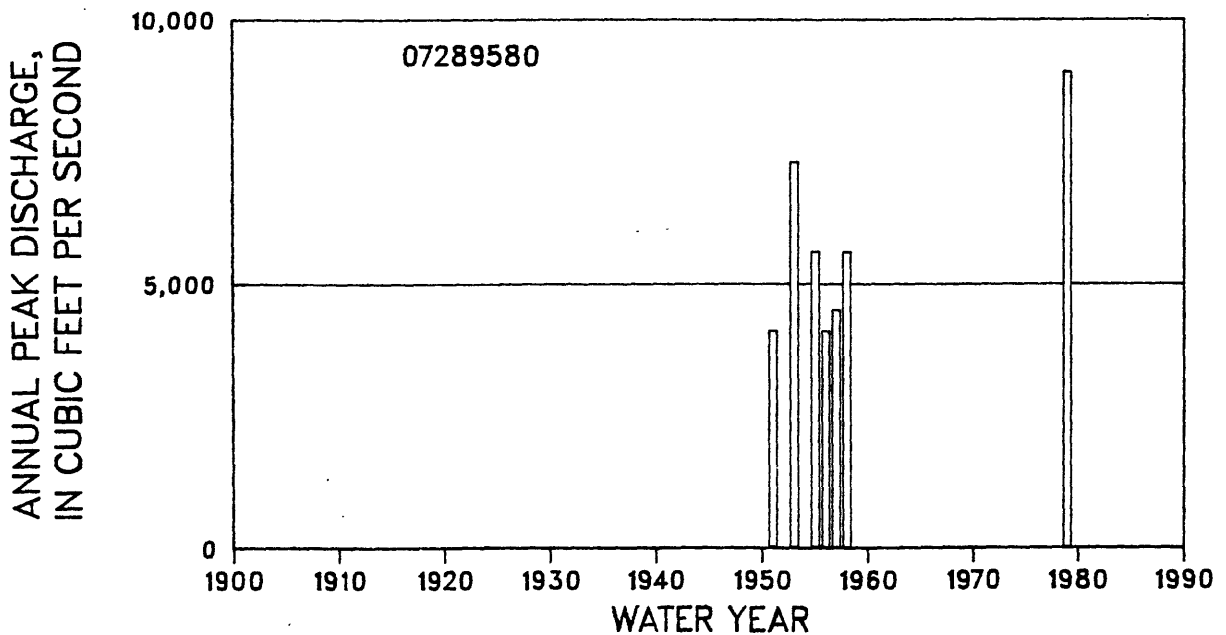
DRAINAGE AREA: 87.0 mi<sup>2</sup>      SLOPE: 4.3 ft/mi      LENGTH: 19.9 mi

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
REGIONAL	5,100	8,100	10,300	13,200	15,200	18,000	19,900	22,800

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
REGIONAL	35	31	30	31	32	34	36	39

NOTE: The systematic period of record is less than 10 years. Station estimates appear to be unreliable. Therefore, only regional flood-frequency discharges are presented in this report.

Graph of annual peak discharges is shown below.



07289580 Bear Creek at Canton, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1951	3/28/51	20.60	4,100	1957	4/ 4/57	20.87	4,500
1953	4/30/53	22.22	7,300	1958	11/14/57	21.35	5,600
1955	4/14/55	21.35	5,600	1979	4/13/79	22.90	9,000 cf
1956	4/ 5/56	20.62	4,100				

HISTORICAL DATA: The 1979 peak is the highest known since 1951.

c Estimated.

f Discharge is an historical peak.

07289600 Tilda Bogue near Canton, MS

LOCATION:

Lat 32°39'15", long 90°00'05", in SW 1/4 sec.5, T.9 N., R.3 E., Choctaw Meridian, Madison County, Hydrologic Unit 08060202, at bridge on U.S. Highway 51, 3.0 mi north of Canton, and 3.5 mi upstream from mouth.

GAGE:

Crest-stage gage. Datum of gage is assumed.

DRAINAGE AREA: 24.8 mi<sup>2</sup> SLOPE: 10.9 ft/mi LENGTH: 9.4 mi

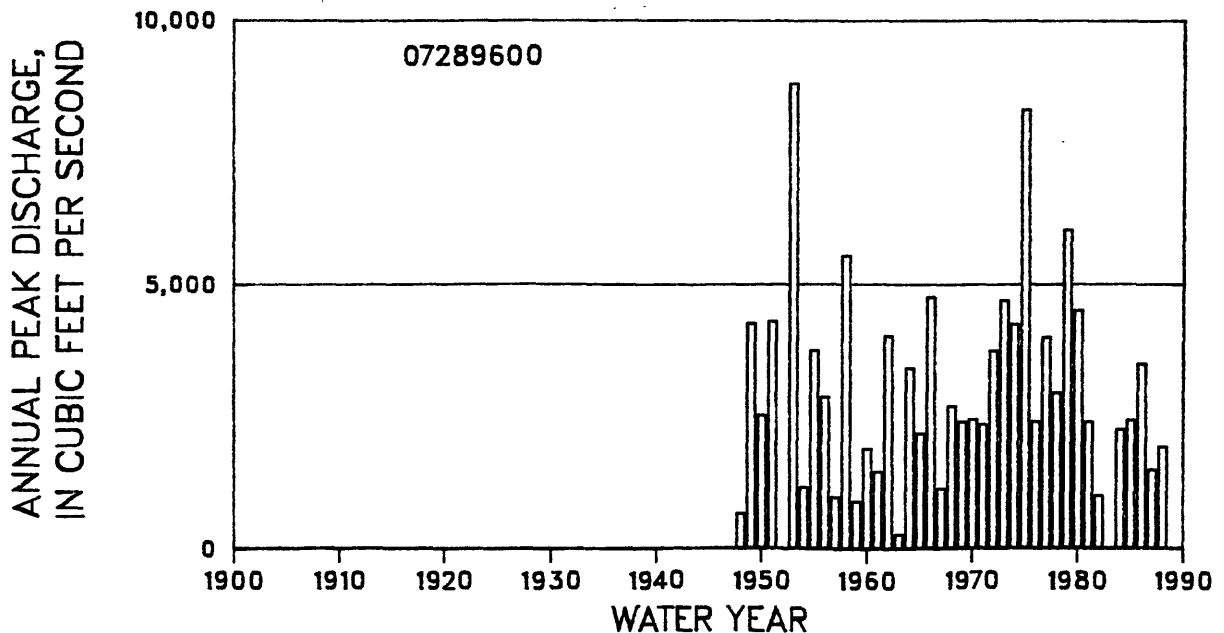
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.417  
STANDARD DEVIATION 0.271  
SKEW -0.280

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	2,690	4,450	5,690	7,320	8,560	9,810	11,100	12,800
REGIONAL	2,950	4,530	5,600	7,070	7,990	9,320	10,100	11,500
WEIGHTED	2,710	4,460	5,680	7,270	8,400	9,650	10,700	12,200

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	11	11	12	15	19	23	27	33
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	10	10	11	14	16	19	21	25

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 39

Graph of annual peak discharges is shown below.



## 07289600 Tilda Bogue near Canton, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1948	2/13/48	16.01	666	1969	4/13/69	17.40	2,400
1949	unknown	17.99	4,260	1970	12/30/69	17.42	2,450
1950	2/13/50	17.40	2,520	1971	2/26/71	17.36	2,350
1951	3/19/51	18.03	4,300	1972	1/ 4/72	17.85	3,750
1953	4/29/53	19.00	8,800	1973	3/15/73	18.17	4,700
1954	2/19/54	16.67	1,160	1974	1/25/74	18.01	4,250
1955	4/13/55	17.83	3,750	1975	8/ 1/75	19.16	8,300
1956	3/15/56	17.53	2,870	1976	1/25/76	17.41	2,400
1957	12/13/56	16.49	977	1977	3/ 4/77	17.94	4,000
1958	11/14/57	18.33	5,540	1978	11/30/77	17.61	2,950
1959	5/22/59	16.39	898	1979	4/12/79	18.44	6,030
1960	3/ 3/60	17.13	1,890	1980	4/12/80	18.09	4,500
1961	7/12/61	16.89	1,460	1981	7/ 1/81	17.43	2,400
1962	4/12/62	17.92	4,030	1982	10/26/81	16.59	1,000
1963	3/12/63	14.80	270	1983	5/19/83	19.44	--
1964	3/15/64	17.72	3,420	1984	3/ 5/84	17.70	2,250
1965	12/31/64	17.26	2,180	1985	2/11/85	17.83	2,430
1966	4/26/66	18.15	4,760	1986	3/19/86	18.40	3,500
1967	8/26/67	16.60	1,140	1987	2/28/87	17.18	1,490
1968	12/17/67	17.56	2,700	1988	2/15/88	17.45	1,920

# 07289610 Bachelor Creek at Canton, MS

## LOCATION:

Lat 32°37'00", long 90°02'03", in NW 1/4 sec.19, T.9 N., R.3 E., Choctaw Meridian, Madison County, Hydrologic Unit 08060202, and at bridge on U.S. Highway 51 truck route at Canton High School in Canton.

## GAGE:

Crest-stage gage. Datum of gage is 203.44 ft above sea level.

DRAINAGE AREA: 3.85 mi<sup>2</sup> SLOPE: 14.7 ft/mi LENGTH: 3.0 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.874  
STANDARD DEVIATION 0.139  
SKEW 0.350

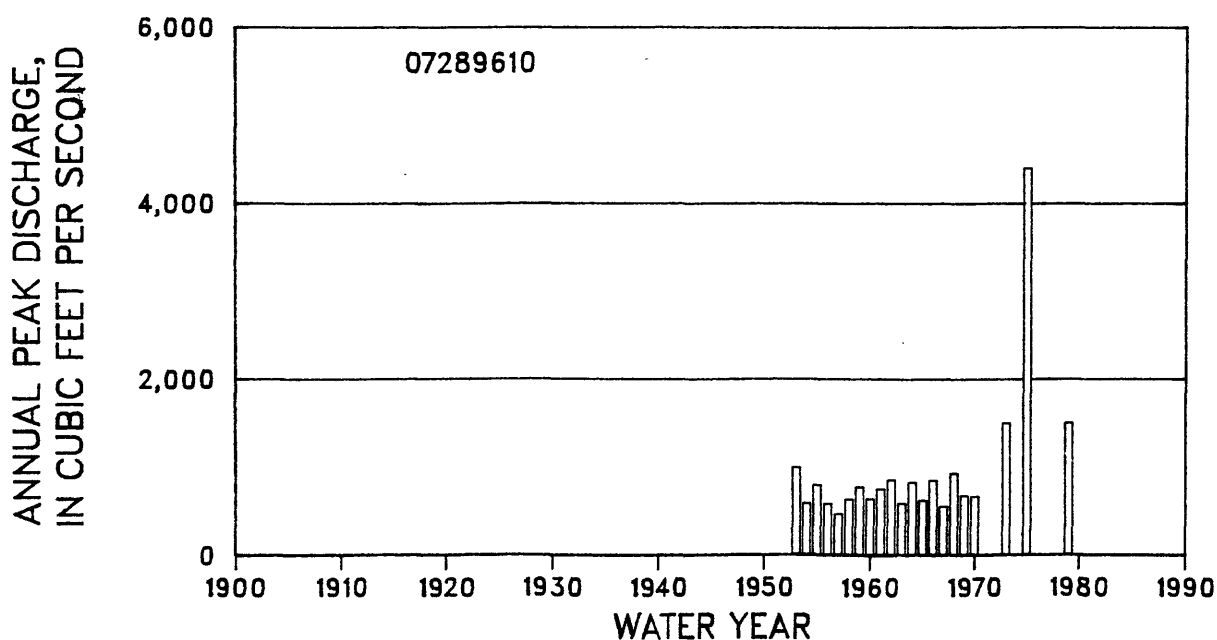
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	734	972	1,140	1,360	1,530	1,710	1,890	2,150

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	6	7	9	13	16	20	24	29

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 30

NOTE: The discharges are affected by urbanization. The flood-frequency discharges are unweighted station estimates.

Graph of annual peak discharges is shown below.





## 07289610 Bachelor Creek at Canton, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1953	4/29/53	17.78	991 j	1964	4/ 5/64	17.12	830 j
1954	1/20/54	16.07	588 j	1965	12/11/64	16.23	624 j
1955	4/12/55	16.98	795 j	1966	6/ 7/66	17.21	850 j
1956	3/15/56	16.05	584 j	1967	5/ 2/67	15.92	556 j
1957	12/13/56	15.49	468 j	1968	5/ 9/68	17.54	931 j
1958	4/29/58	16.27	632 j	1969	4/13/69	16.46	675 j
1959	5/22/59	16.89	774 j	1970	12/30/69	16.42	666 j
1960	8/14/60	16.31	640 j	1973	3/15/73	18.50	1,500 cfj
1961	7/ 3/61	16.80	753 j	1975	7/31/75	20.65	4,400 fj
1962	4/12/62	17.23	855 j	1979	4/12/79	18.54	1,500 fj
1963	7/ 8/63	16.06	590 j				

HISTORICAL DATA: The 1973, 1975, and 1979 peaks are the highest known between 1915 and 1979.

c Estimated.

f Discharge is an historical peak.

j Discharge affected by urbanization or channelization.

07289620 Bear Creek near Canton, MS

LOCATION:

Lat 32°40'28", long 90°05'19", on line between secs.33 and 34, T.10 N., R.2 E., Choctaw Meridian, Madison County, Hydrologic Unit 08060202, at bridge on county road, 5 mi northwest of Canton, and 5.6 mi upstream from mouth.

GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 176.62 ft above sea level.

DRAINAGE AREA: 154 mi<sup>2</sup>      SLOPE: 3.2 ft/mi      LENGTH: 31.6 mi

ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft<sup>3</sup>/s)

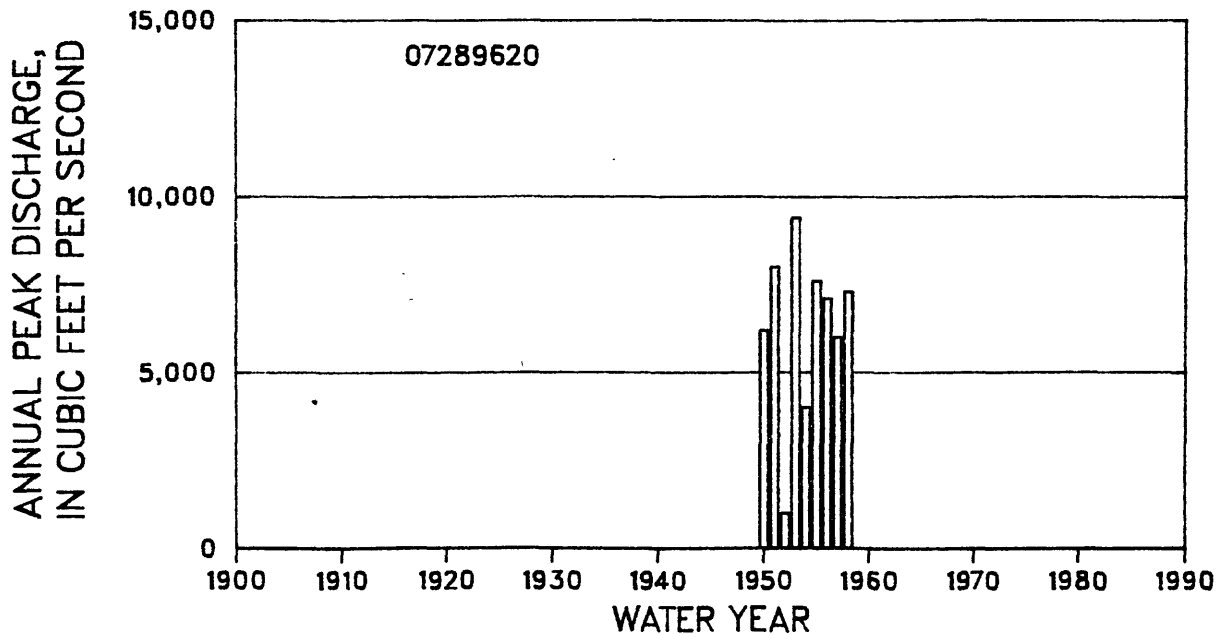
T	2	5	10	25	50	100	200	500
REGIONAL	6,900	11,100	14,100	18,100	20,900	24,900	27,700	31,900

STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE

T	2	5	10	25	50	100	200	500
REGIONAL	35	31	30	31	32	34	36	39

NOTE: The systematic period of record is less than 10 years. Therefore, only regional flood-frequency discharges are presented in this report.

Graph of annual peak discharges is shown below.



## 07289620 Bear Creek near Canton, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1950	2/14/50	18.12	6,200	1955	4/13/55	18.72	7,600
1951	3/28/51	18.94	8,000	1956	4/ 6/56	18.52	7,100
1952	3/12/52	13.70	1,000	1957	4/ 4/57	18.00	6,000
1953	4/30/53	19.49	9,400	1958	11/14/57	18.56	7,300
1954	5/ 4/54	16.92	4,000				

07289640 Panther Creek near Flora, MS

LOCATION:

Lat 32°33'57", long 90°10'22", in SW 1/4 sec.2, T.8 N., R.1 E., Madison County, Hydrologic Unit 08060202, at culvert on State Highway 22, and 8.0 mi northeast of Flora.

GAGE:

Crest-stage gage. Datum of gage is assumed. From June 19, 1964, to Oct. 1, 1973, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.26 mi<sup>2</sup> SLOPE: 67.9 ft/mi LENGTH: 0.7 mi

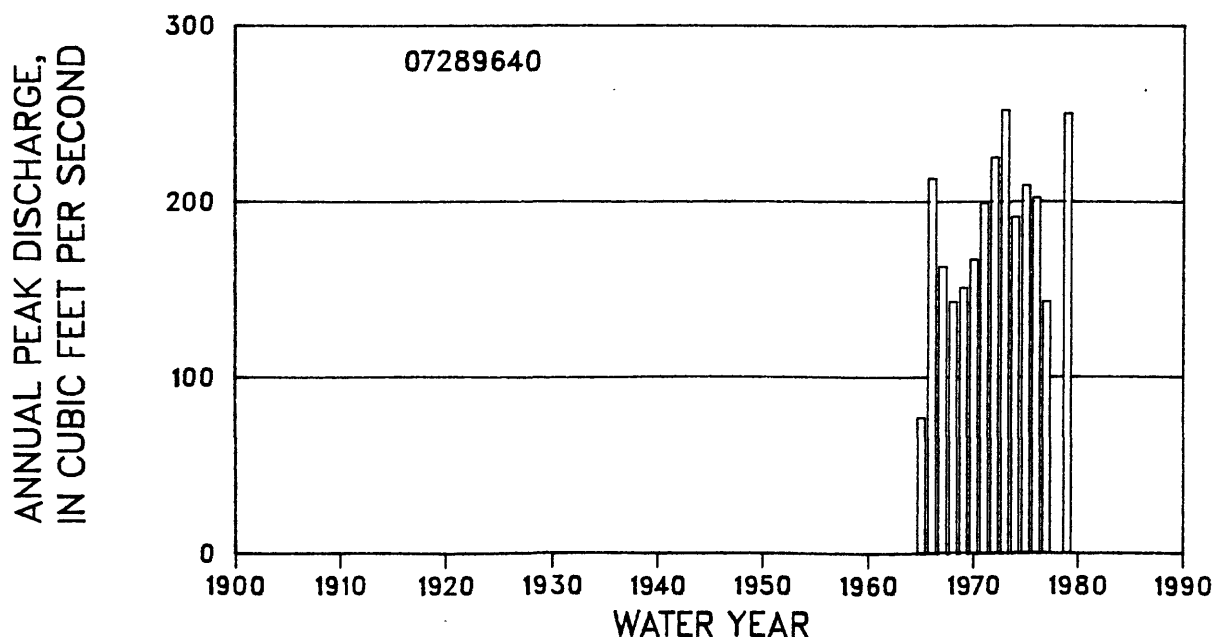
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.267  
STANDARD DEVIATION 0.091  
SKEW -0.261

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	186	221	240	261	275	288	300	315
REGIONAL	181	245	283	342	375	418	438	489
WEIGHTED	186	222	242	266	284	303	319	343

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	6	6	7	9	11	13	15	18
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	6	6	7	8	10	12	14	16

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 14

Graph of annual peak discharges is shown below.



## 07289640 Panther Creek near Flora, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1965	2/10/65	4.32	77	1972	3/ 2/72	6.78	225
1966	4/26/66	6.61	213	1973	3/10/73	7.17	252
1967	5/ 1/67	5.87	163	1974	11/27/73	6.30	191
1968	8/12/68	5.53	143	1975	5/16/75	6.56	209
1969	4/13/69	5.67	151	1976	3/27/76	6.45	202
1970	3/19/70	5.94	167	1977	3/ 3/77	5.54	143
1971	6/18/71	6.42	199	1979	4/12/79	7.16	250 f

f Discharge is an historical peak.

07289641 Panther Creek tributary near Flora, MS

LOCATION:

Lat 32°34'00", long 90°10'05", in SW 1/4 sec.2, T.8 N., R.1 E., Madison County, Hydrologic Unit 08060202, at culvert on State Highway 22, and 8.3 mi northeast of Flora.

GAGE:

Crest-stage gage. Datum of gage is assumed.

DRAINAGE AREA: 0.07 mi<sup>2</sup> SLOPE:192 ft/mi LENGTH: 0.3 mi

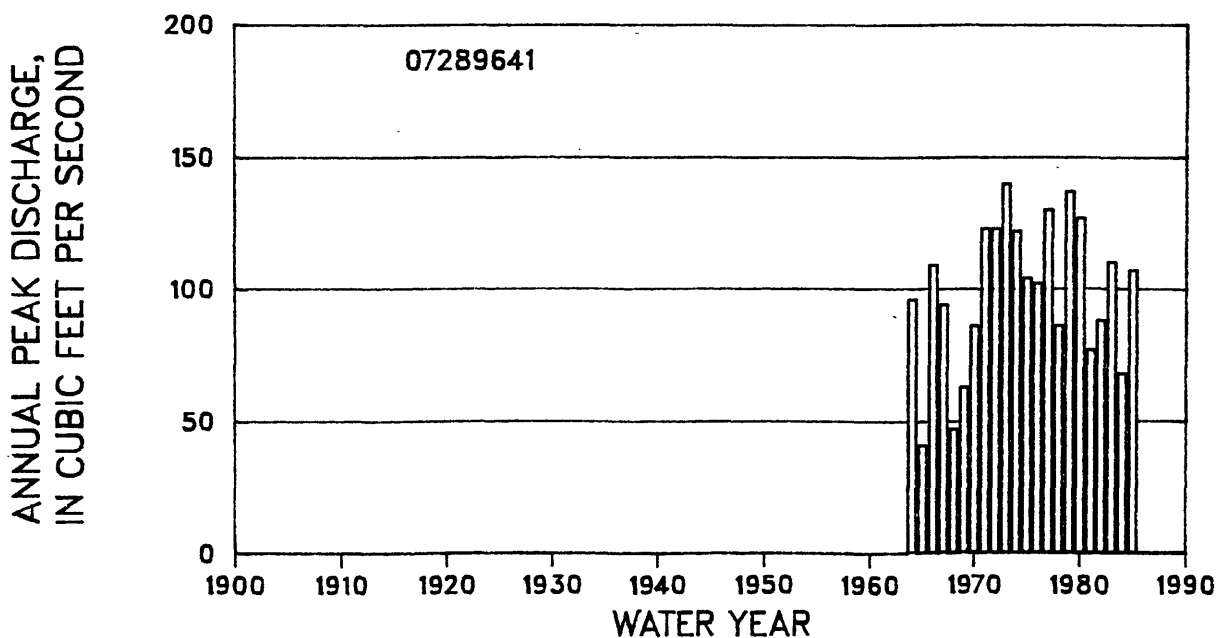
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 1.984  
STANDARD DEVIATION 0.129  
SKEW -0.570

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	99	124	138	152	162	170	177	186
REGIONAL	106	140	157	186	201	220	226	249
WEIGHTED	99	125	139	154	166	176	185	198

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	7	6	7	9	11	13	16	20
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	7	6	6	8	10	12	15	17

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 22

Graph of annual peak discharges is shown below.



## 07289641 Panther Creek tributary near Flora, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1964	7/ 9/64	5.45	96	1975	11/20/74	5.77	104
1965	1/23/65	3.89	41	1976	3/27/76	5.65	102
1966	4/26/66	5.96	109	1977	3/ 3/77	6.92	130
1967	5/ 1/67	5.38	94	1978	6/19/78	5.11	86
1968	12/17/67	4.11	47	1979	3/ 3/79	7.24	137
1969	4/13/69	4.50	63	1980	6/24/80	6.73	127
1970	3/19/70	5.10	86	1981	6/ 3/81	4.86	77
1971	4/21/71	6.56	123	1982	4/17/82	5.15	88
1972	3/ 2/72	6.56	123	1983	5/19/83	6.01	110
1973	3/10/73	7.42	140	1984	5/ 3/84	4.15	68
1974	11/27/73	6.49	122	1985	4/24/85	5.83	107

# 07289730 Big Black River near Bentonia, MS

## LOCATION:

Lat 32°36'12", long 90°21'45", in NW 1/4 sec.25, T.9 N., R.2 W., Choctaw Meridian, Madison-Yazoo County, at bridge on U.S. Highway 49, 2.5 mi south of Bentonia, and 4 mi downstream from Burnt Corn Creek.

## GAGE:

Continuous-stage gage, water-stage recorder. Nonrecording gage at site 3.1 mi upstream prior to Jan. 1, 1948. Datum of gage is 130.18 ft above sea level.

DRAINAGE AREA: 2,340 mi<sup>2</sup> SLOPE: 1.3 ft/mi LENGTH: 172 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.439  
STANDARD DEVIATION 0.232  
SKEW -0.076

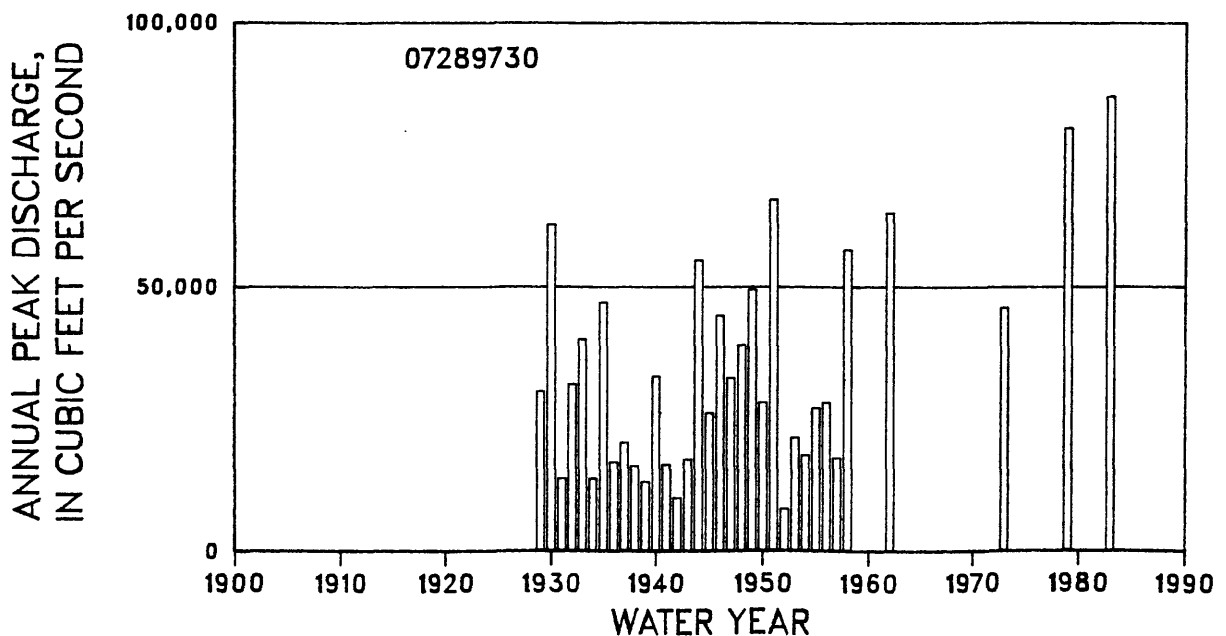
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	27,700	43,200	54,300	69,100	80,600	92,500	105,000	122,000
REGIONAL	22,800	36,800	48,400	61,500	74,800	89,500	93,800	116,000
WEIGHTED	26,800	41,500	52,100	65,000	76,900	90,400	96,300	118,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	10	11	13	16	20	24	28	35
REGIONAL	22	19	17	16	15	15	16	17
WEIGHTED	9	9	10	11	12	13	14	15

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 32

NOTE: The logarithmic mean and standard deviation of the station record were computed after adjusting the record based on a correlation with long-term records at Station 07290000 using procedures described in Bulletin 17B (Interagency Advisory Committee on Water Data, 1982).

Graph of annual peak discharges is shown below.





## 07289730 Big Black River near Benton, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1929	3/27/29	31.90 a	30,100	1957	2/ 7/57	26.70	17,500
1930	5/23/30	34.70 a	61,800	1958	5/ 2/58	30.80	57,000
1931	8/ 3/31	29.80 a	13,600	1959	2/15/59	25.62	--
1932	2/23/32	31.50 a	31,500	1960	3/ 5/60	27.12	--
1933	12/14/32	32.40 a	40,000	1961	2/24/61	26.80	--
1934	3/ 6/34	29.80 a	13,600	1962	12/19/61	31.35	64,000 f
1935	3/ 4/35	33.10 a	47,000	1963	3/22/63	18.90	--
1936	2/ 6/36	30.30 a	16,700	1964	3/18/64	26.90	--
1937	1/26/37	30.80 a	20,400	1965	2/16/65	28.15	--
1938	4/10/38	30.20 a	16,000	1966	2/13/66	28.05	--
1939	2/ 6/39	29.58 a	13,000	1967	5/27/67	25.60 q	--
1940	7/11/40	31.48 a	33,000	1968	12/21/67	28.30	--
1941	12/22/40	29.64 a	16,200	1969	4/18/69	29.12	--
1942	3/17/42	28.52 a	10,000	1970	1/ 6/70	27.30 q	--
1943	12/30/42	29.80 a	17,200	1971	3/ 2/71	27.82	--
1944	3/31/44	33.97 a	55,000	1972	1/13/72	28.30	--
1945	2/25/45	30.63 a	26,000	1973	3/20/73	29.50	46,000 f
1946	2/12/46	32.83 a	44,500	1974	1/26/74	27.85	--
1947	4/16/47	31.30 a	32,700	1975	3/16/75	27.99	--
1948	2/17/48	28.38	38,900	1976	3/31/76	28.00	--
1949	1/ 9/49	29.40	49,400	1977	3/ 9/77	27.88	--
1950	2/16/50	27.45	28,000	1978	5/12/78	28.21	--
1951	3/30/51	31.64	66,500	1979	4/ /79	31.81	80,000 f
1952	1/ 3/52	24.59	7,900	1980	11/30/79	28.20 q	--
1953	5/ 5/53	27.12	21,300	1981	4/ 3/81	26.80 q	--
1954	5/ 9/54	26.74	18,000	1982	4/ 6/82	26.80 q	--
1955	4/15/55	27.68	27,000	1983	5/ /83	32.48	86,000 f
1956	4/ 8/56	27.80	28,000				

HISTORICAL DATA: The 1983 peak is the highest known since 1927.

a Gage height at different site and (or) datum.

f Discharge is an historical peak.

q Gage height is a daily reading and may not be the maximum gage height for the water year.

07289850 Bogue Chitto near Flora, MS

LOCATION:

Lat 32°33'00", long 90°24'00", in NW 1/4 sec.15, T.8 N., R.2 W., Choctaw Meridian, Madison County, Hydrologic Unit 08060202, at bridge on State Highway 22, and 4.6 mi southwest of Flora.

GAGE:

Crest-stage gage. Datum of gage is 169.94 ft above sea level.

DRAINAGE AREA: 126 mi<sup>2</sup> SLOPE: 4.2 ft/mi LENGTH: 22.0 mi

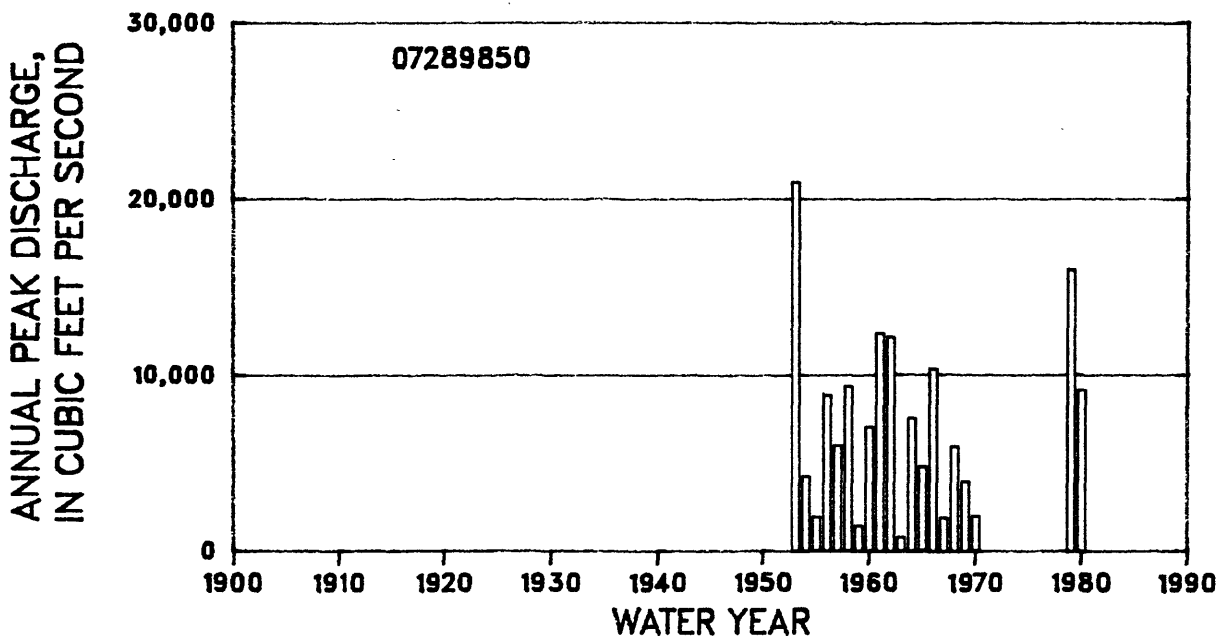
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.690  
STANDARD DEVIATION 0.356  
SKEW -0.411

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	5,180	9,880	13,400	18,200	21,900	25,700	29,500	34,600
REGIONAL	6,910	11,100	14,200	18,400	21,200	25,200	27,900	32,000
WEIGHTED	5,590	10,200	13,700	18,300	21,500	25,400	28,400	32,700

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	20	19	21	27	34	41	50	62
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	17	16	17	20	23	26	28	32

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 20

Graph of annual peak discharges is shown below.



## 07289850 Bogue Chitto near Flora, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1953	4/30/53	20.88	21,000	1963	3/12/63	12.20	840
1954	5/ 2/54	16.44	4,300	1964	3/ 4/64	17.79	7,600
1955	2/22/55	15.01	2,000	1965	2/12/65	16.75	4,850
1956	4/ 6/56	18.51	8,900	1966	2/10/66	18.45	10,400
1957	7/ 2/57	17.45	6,050	1967	5/21/67	14.90	1,960
1958	11/13/57	18.69	9,400	1968	12/18/67	17.26	6,000
1959	5/23/59	14.12	1,500	1969	4/13/69	16.29	4,000
1960	3/ 2/60	17.64	7,100	1970	3/20/70	14.99	2,050
1961	2/20/61	19.11	12,400	1979	4/13/79	19.98	16,000 f

HISTORICAL DATA: The 1953 and 1979 peaks are the highest known between 1930 and 1980.

f Discharge is an historical peak.

07290000 Big Black River near Bovina, MS

LOCATION:

Lat 32°20'51", long 90°41'48", in NW 1/4 SE 1/4 sec.22, T.16 N., R.5 E., Washington Meridian, Hinds County, Hydrologic Unit 08060202, on left bank at downstream side of bridge on old U.S. Highway 80, 300 ft upstream from Clear Creek, 0.4 mi upstream from Illinois Central and Gulf Railroad bridge, and 2.3 mi east of Bovina. Records include flow of Clear Creek.

GAGE:

Continuous-discharge gage, water-stage recorder and supplemental nonrecording gage read twice daily. Datum of gage is 84.93 ft above sea level. Prior to Oct. 23, 1941, nonrecording gage.

DRAINAGE AREA: 2,770 mi<sup>2</sup>

SLOPE: 1.3 ft/mi

LENGTH: 216 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:

MEAN 4.391

STANDARD DEVIATION 0.244

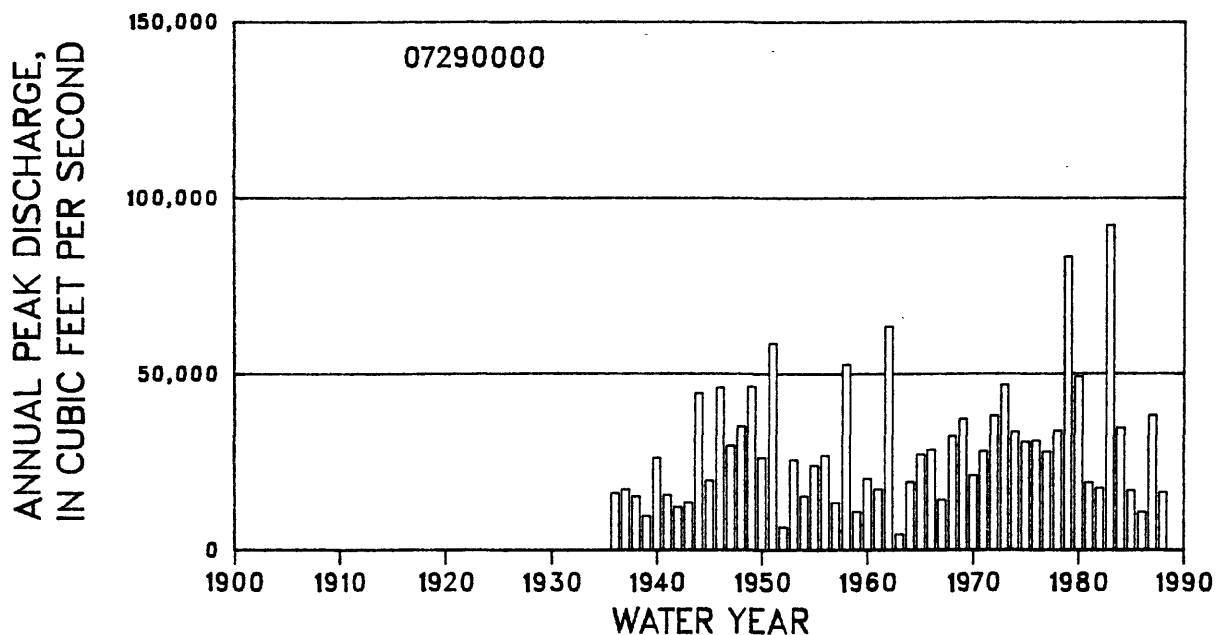
SKEW -0.017

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	24,700	39,600	50,600	65,700	77,800	90,500	104,000	123,000
REGIONAL	24,200	38,400	50,100	62,900	75,900	90,100	93,300	115,000
WEIGHTED	24,600	39,400	50,500	64,500	76,800	90,200	96,400	117,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	8	9	11	14	17	20	24	29
REGIONAL	22	19	17	16	15	15	16	17
WEIGHTED	8	8	9	10	11	12	13	15

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 53

Graph of annual peak discharges is shown below.



## 07290000 Big Black River near Bovina, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1936	2/10/36	36.23	16,100	1963	7/23/63	18.25	4,460
1937	1/28/37	38.14	17,100	1964	3/20/64	35.88	19,200
1938	4/12/38	37.04	15,200	1965	2/19/65	38.31	27,000
1939	2/25/39	32.96	9,600	1966	2/18/66	38.40	28,300
1940	7/14/40	38.25	26,000	1967	6/ 1/67	31.99	14,100
1941	12/21/40	34.12	15,500	1968	12/23/67	38.70	32,300
1942	3/13/42	30.44	12,100	1969	4/20/69	39.09	37,200
1943	1/ 3/43	32.81	13,400	1970	1/ 9/70	36.39	21,000
1944	4/ 1/44	39.04	44,400	1971	3/ 4/71	38.23	27,900
1945	2/27/45	36.47	19,600	1972	1/14/72	38.84	38,100
1946	2/14/46	39.09	46,000	1973	3/21/73	39.29	46,800
1947	1/13/47	38.00	29,500	1974	1/11/74	38.56	33,400
1948	2/19/48	38.32	35,000	1975	3/21/75	38.32	30,600
1949	1/11/49	39.22	46,400	1976	4/ 2/76	38.35	30,900
1950	2/18/50	37.22	26,100	1977	3/12/77	37.97	27,800
1951	4/ 1/51	39.65	58,600	1978	5/15/78	38.14	33,700
1952	1/ 7/52	23.64	6,450	1979	4/16/79	40.56	83,300
1953	5/ 7/53	37.07	25,500	1980	4/ 1/80	38.94	49,100
1954	5/13/54	32.67	15,200	1981	4/ 6/81	33.77	19,000
1955	4/18/55	36.75	23,900	1982	4/30/82	31.91	17,400
1956	4/10/56	37.32	26,700	1983	5/24/83	40.77	92,300
1957	2/11/57	32.72	13,300	1984	12/11/83	37.32	34,500
1958	5/ 5/58	39.74	52,700	1985	3/ 3/85	31.51	16,800
1959	2/20/59	29.10	10,800	1986	5/28/86	24.78	10,700
1960	3/ 8/60	36.33	20,100	1987	3/ 3/87	36.97	38,200
1961	2/28/61	34.52	17,100	1988	11/16/87	30.55	16,300
1962	12/20/61	40.53	63,500				

HISTORICAL DATA: The 1983 peak is the highest known since 1927.

07290005 Clear Creek near Bovina, MS

LOCATION:

Lat 32°21'42", long 90°43'32", in SW 1/4 sec.17, T.6 N., R.5 W., Washington Meridian, Warren County, Hydrologic Unit 08060202, on county road, and 1.0 mi northeast of Bovina.

GAGE:

Crest-stage gage. Datum of gage is 113.26 ft above sea level..

DRAINAGE AREA: 32.0 mi<sup>2</sup> SLOPE: 16.6 ft/mi LENGTH: 9.3 mi

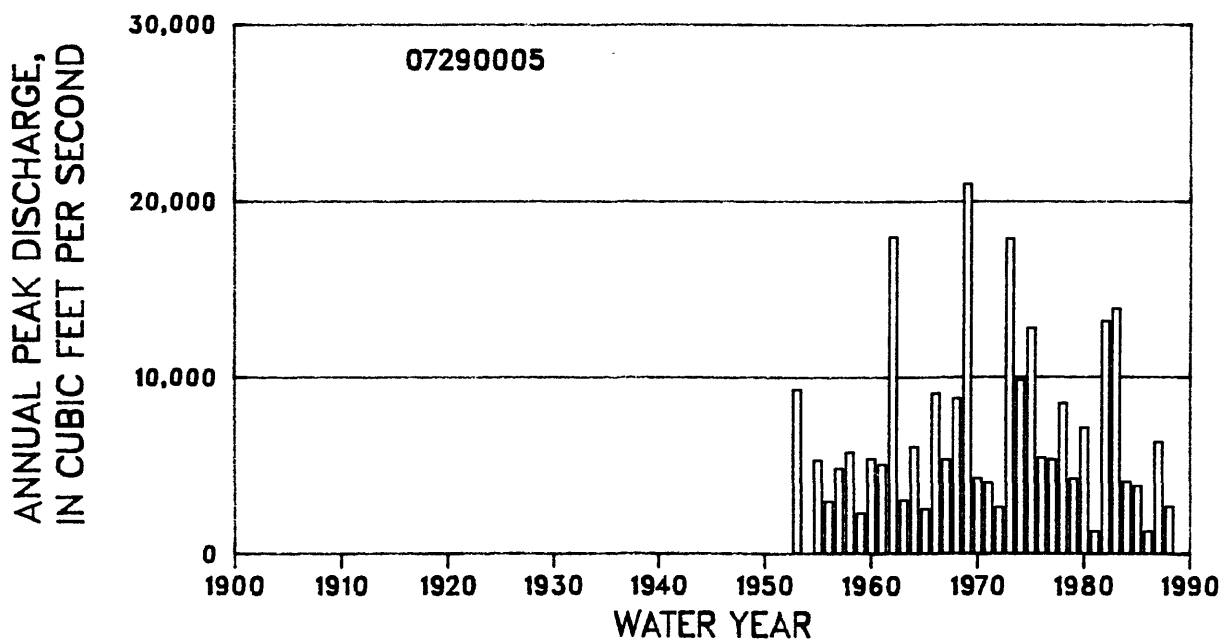
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.763  
STANDARD DEVIATION 0.269  
SKEW 0.172

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	5,690	9,700	12,900	17,700	21,800	26,400	31,500	39,100
REGIONAL	4,580	7,130	8,810	11,100	12,500	14,500	15,600	17,700
WEIGHTED	5,560	9,240	11,900	15,200	17,300	19,800	21,700	24,400

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	12	13	16	21	26	32	38	47
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	11	12	14	17	20	23	26	29

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 36

Graph of annual peak discharges is shown below.



## 07290005 Clear Creek near Bovina, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1953	4/29/53	27.24	9,330	1972	2/ 6/72	21.40	2,640
1955	4/12/55	25.08	5,320	1973	3/16/73	29.33	17,900
1956	2/ 4/56	22.26	2,980	1974	12/24/73	26.98	9,840
1957	unknown	24.74	4,850	1975	8/ 1/75	27.95	12,800
1958	5/ 1/58	25.39	5,780	1976	10/16/75	24.98	5,460
1959	11/15/58	20.36	2,310	1977	3/ 3/77	24.88	5,370
1960	8/22/60	25.14	5,410	1978	5/ 8/78	26.50	8,550
1961	6/20/61	24.90	5,070	1979	4/12/79	23.44	4,260
1962	4/11/62	29.53	18,000	1980	4/12/80	25.91	7,160
1963	8/14/63	22.41	3,040	1981	unknown	--	1,280
1964	3/ 2/64	25.59	6,080	1982	8/ 1/82	28.07	13,200
1965	3/ 1/65	21.12	2,540	1983	4/13/83	28.28	13,900
1966	2/10/66	27.15	9,110	1984	3/ 5/84	23.13	4,080
1967	6/ 1/67	25.10	5,350	1985	2/24/85	22.72	3,860
1968	12/17/67	27.03	8,820	1986	unknown	--	1,280
1969	4/13/69	30.03	21,000	1987	3/18/87	25.50	6,360
1970	12/30/69	24.29	4,270	1988	3/24/88	19.41	2,680
1971	2/21/71	24.09	4,040				

07290110 Fleetwood Creek near Bolton, MS

LOCATION:

Lat 32°21'40", long 90°28'10", in SE 1/4 sec.14, T.6 N., R.3 W., Choctaw Meridian, Hinds County, Hydrologic Unit 08060202, and at bridge on U.S. Interstate 20 about 1.7 mi west of Bolton.

GAGE:

Crest-stage gage. Datum of gage is assumed.

DRAINAGE AREA: 13.0 mi<sup>2</sup> SLOPE: 15.1 ft/mi LENGTH: 6.5 mi

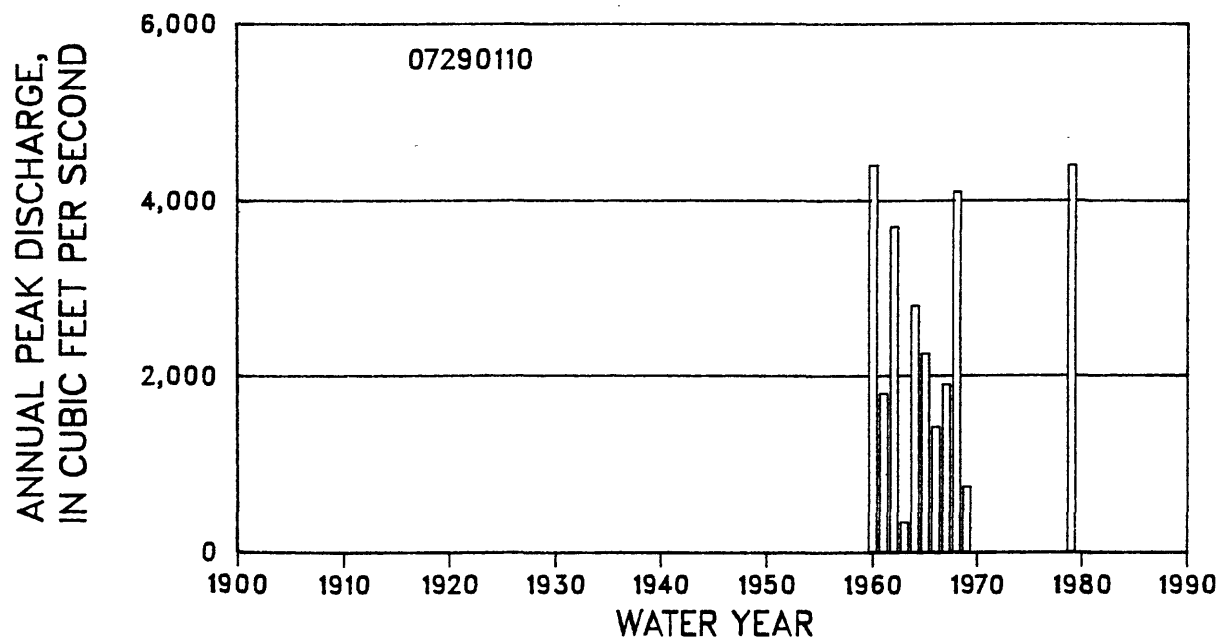
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.312  
STANDARD DEVIATION 0.273  
SKEW -0.349

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	2,130	3,500	4,460	5,690	6,600	7,510	8,410	9,600
REGIONAL	2,060	3,100	3,790	4,750	5,340	6,180	6,670	7,560
WEIGHTED	2,110	3,370	4,210	5,230	5,870	6,660	7,200	8,080

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	21	20	22	29	36	44	52	66
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	18	17	18	21	23	26	29	32

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 11

Graph of annual peak discharges is shown below.





## 07290110 Fleetwood Creek near Bolton, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1960	8/22/60	23.49	4,400	1966	2/19/66	20.87	1,420
1961	6/20/61	21.24	1,800	1967	6/ 1/67	21.42	1,900
1962	4/11/62	23.01	3,700	1968	5/ 9/68	23.28	4,100
1963	3/12/63	18.10	340	1969	3/23/69	19.53	740
1964	4/ 6/64	22.45	2,800	1979	4/13/79	23.46	4,400 f
1965	12/11/64	21.94	2,250				

HISTORICAL DATA: The 1979 peak is the highest known since 1960.

f Discharge is an historical peak.

07290115 Unnamed Creek near Bolton, MS

LOCATION:

Lat 32°21'40", long 90°30'10", in NE 1/4 SE 1/4 sec.16, T.6 N., R.3 W., Choctaw Meridian, Hinds County, Hydrologic Unit 08060203, at bridge on old U.S. Highway 80, and 3.0 mi west of Bolton.

GAGE:

Crest-stage gage. Datum of gage is assumed.

DRAINAGE AREA: 3.10 mi<sup>2</sup> SLOPE: 26.0 ft/mi LENGTH: 2.7 mi

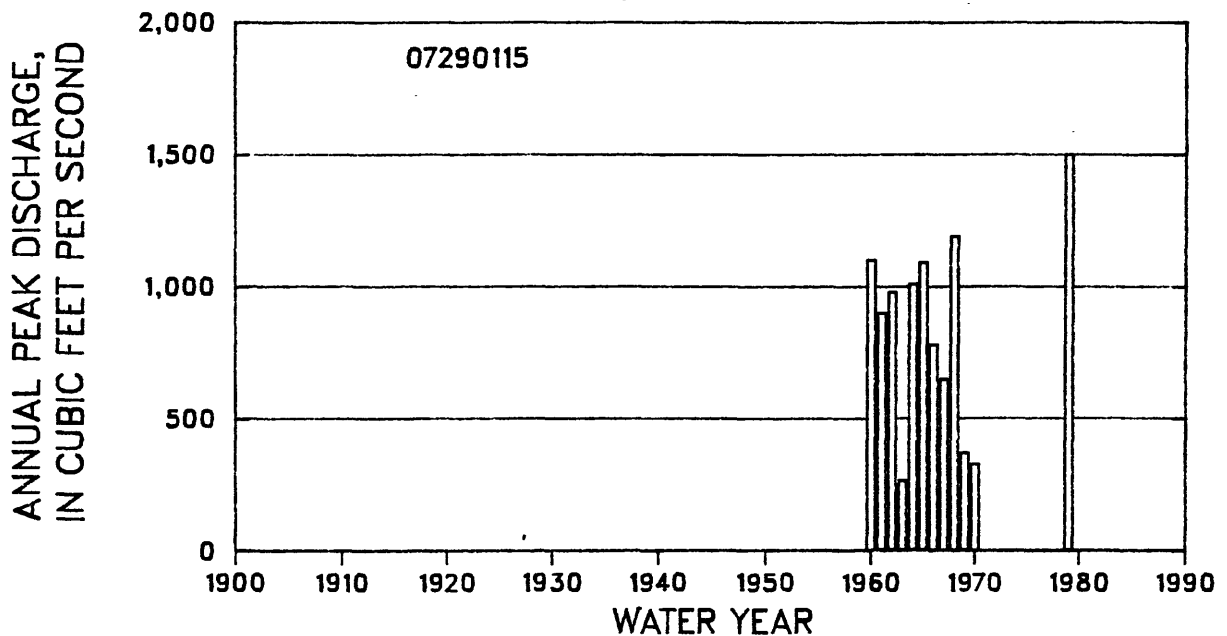
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.863  
STANDARD DEVIATION 0.236  
SKEW -0.368

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	755	1,160	1,430	1,760	2,000	2,230	2,460	2,750
REGIONAL	846	1,230	1,480	1,830	2,040	2,330	2,490	2,810
WEIGHTED	773	1,180	1,440	1,790	2,020	2,280	2,480	2,790

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	17	17	18	23	29	35	42	52
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	15	15	16	19	21	24	27	30

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 12

Graph of annual peak discharges is shown below.



07290115 Unnamed Creek near Bolton, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1960	8/22/60	97.04	1,100	1966	2/10/66	96.33	780
1961	3/29/61	96.68	900	1967	6/ 1/67	95.82	650
1962	4/11/62	96.84	980	1968	5/ 9/68	97.16	1,190
1963	7/ 8/63	93.04	265	1969	4/13/69	94.01	370
1964	4/ 6/64	96.90	1,010	1970	12/30/69	93.62	326
1965	12/11/64	97.03	1,090	1979	4/12/79	98.00	1,500 f

HISTORICAL DATA: The 1979 peak is the highest known since 1960.

f Discharge is an historical peak.

# 07290220 Dry Draw near Brookhaven, MS

## LOCATION:

Lat 31°38'35", long 90°25'50", in NW 1/4 SW 1/4 SW 1/4 sec.20, T.8 N., R.8 E., Washington Meridian, Lincoln County, Hydrologic Unit 08060202, at culvert on U.S. Highway 51, and 4.5 mi north of Brookhaven.

## GAGE:

Crest-stage gage. Datum of gage is assumed. From June 9, 1965, to Sept. 27, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.20 mi<sup>2</sup> SLOPE: 100 ft/mi LENGTH: 0.6 mi

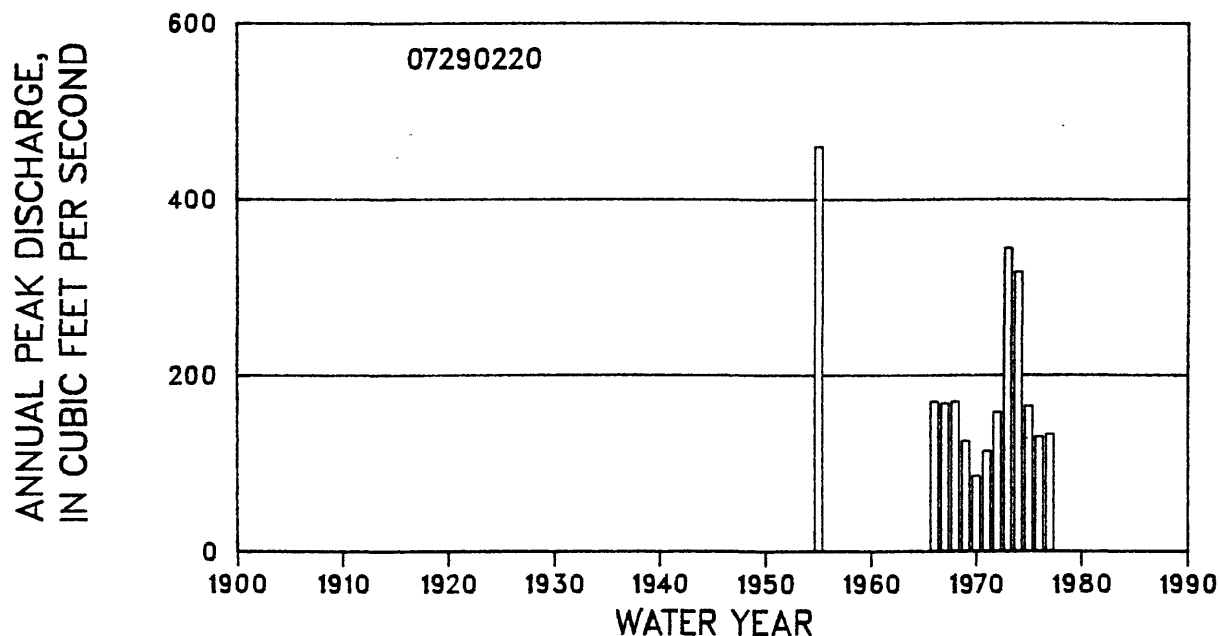
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.225  
STANDARD DEVIATION 0.190  
SKEW 0.340

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	164	240	298	379	446	517	595	709
REGIONAL	178	240	274	328	357	397	412	458
WEIGHTED	166	240	291	356	396	440	467	519

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	13	16	19	27	34	42	51	64
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	12	14	16	20	23	26	29	32

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 13

Graph of annual peak discharges is shown below.



07290220 Dry Draw near Brookhaven, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	4/12/55	10.18	460 f	1972	12/ 6/71	6.05	158
1966	4/21/66	6.22	170	1973	3/24/73	8.48	344
1967	6/ 1/67	6.18	168	1974	4/13/74	8.10	317
1968	8/ 6/68	6.21	170	1975	2/16/75	6.14	165
1969	4/13/69	5.57	125	1976	3/30/76	5.07	130
1970	8/ 9/70	4.98	85	1977	unknown	5.68	133
1971	4/21/71	5.41	114				

HISTORICAL DATA: The 1955 peak is the highest known between 1955 and 1977.

f Discharge is an historical peak.

07290500 Bayou Pierre near Carpenter, MS

LOCATION:

Lat 32°00'00", long 90°41'00", in NE 1/4 sec.22, T.12 N., R.5 E., Washington Meridian, Covich County, Hydrologic Unit 08060203, at bridge on State Highway 18, 1.2 mi upstream from Whiteoak Creek, and 2 mi south of Carpenter.

GAGE:

Crest-stage gage. Datum of gage is 129.67 ft above sea level. Prior to 1952, nonrecording gage.

DRAINAGE AREA: 375 mi<sup>2</sup> SLOPE: 4.3 ft/mi LENGTH: 54.7 mi

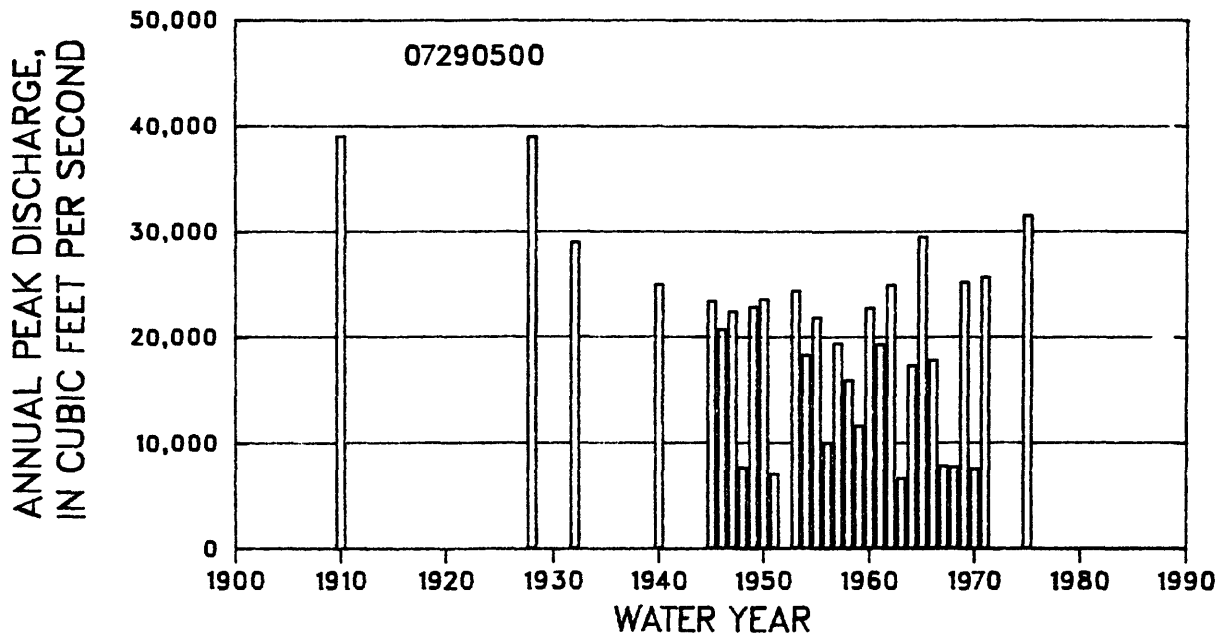
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.223  
STANDARD DEVIATION 0.214  
SKEW -0.598

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	17,600	25,500	30,200	35,500	39,100	42,300	45,200	48,700
REGIONAL	16,500	27,100	34,500	44,000	50,300	60,300	66,700	76,500
WEIGHTED	17,500	25,600	30,600	36,600	41,000	46,200	50,700	57,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	10	9	9	12	15	19	23	28
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	9	8	9	11	14	16	19	22

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 31

Graph of annual peak discharges is shown below.



## 07290500 Bayou Pierre near Carpenter, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1910	unknown	31.00	39,000 f	1958	6/17/58	21.72	15,900
1928	6/ /28	31.00	39,000 f	1959	5/ /59	19.00	11,600
1932	unknown	28.00	29,000 f	1960	12/17/59	25.22	22,800
1940	7/ /40	30.00	25,000 f	1961	3/29/61	23.55	19,300
1945	2/ 5/45	25.63	23,400	1962	12/18/61	26.17	25,000
1946	2/ 9/46	24.05	20,700	1963	1/20/63	14.66	6,680
1947	4/11/47	24.98	22,400	1964	4/26/64	22.52	17,300
1948	8/ 9/48	15.00	7,650	1965	10/ 4/64	28.13	29,500
1949	11/28/48	25.27	22,900	1966	4/26/66	22.78	17,800
1950	5/ 2/50	25.65	23,600	1967	5/ 2/67	15.69	7,810
1951	3/28/51	15.00	7,050	1968	1/ 9/68	15.58	7,690
1953	5/ 3/53	25.95	24,400	1969	3/23/69	26.29	25,200
1954	5/ 1/54	23.04	18,300	1970	unknown	--	7,520 h
1955	4/13/55	24.84	21,900	1971	12/ 6/70	26.51	25,700
1956	6/14/56	18.00	10,000	1975	12/24/74	25.96	31,500 f
1957	unknown	23.60	19,400				

HISTORICAL DATA: The 1910 and 1928 peaks are the highest known between 1890 and 1975.

f Discharge is an historical peak.

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

07290525 Whiteoak Creek tributary near Utica, MS

LOCATION:

Lat 32°04'00", long 90°31'35", in SE 1/4 sec.29, Choctaw Meridian, Hinds County, Hydrologic Unit 08060203, at culvert on State Highway 27, and 6.3 mi southeast of Utica.

GAGE:

Crest-stage gage. Datum of gage is assumed. From Aug. 7, 1964, to Sept. 23, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 1.36 mi<sup>2</sup> SLOPE: 25.0 ft/mi LENGTH: 2.5 mi

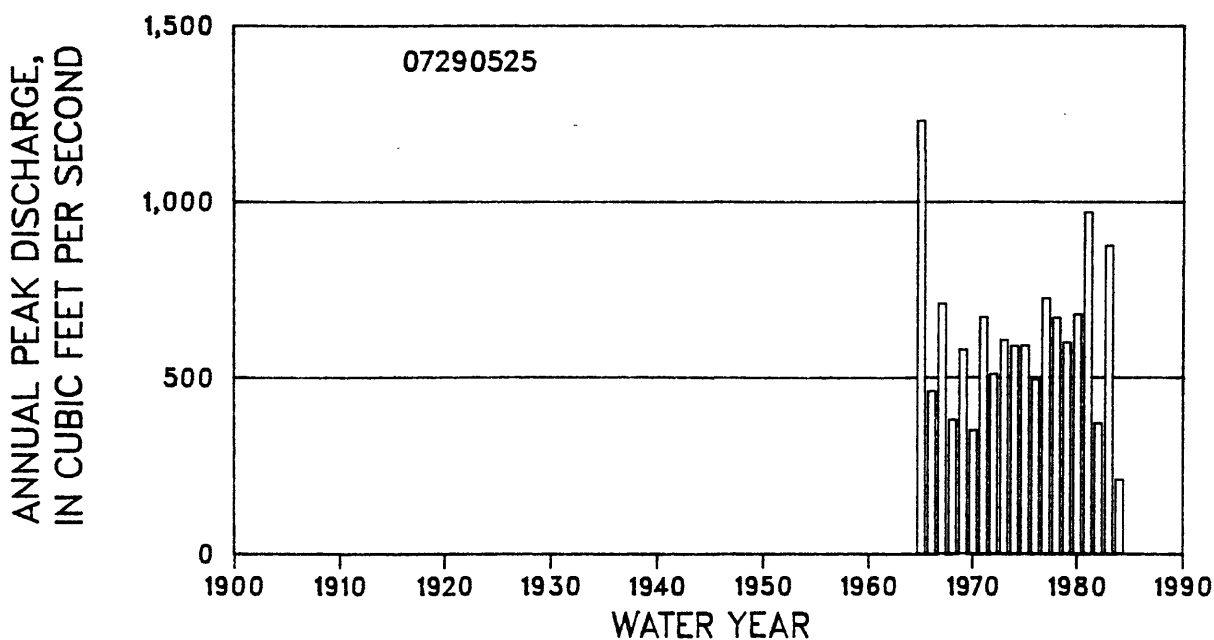
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.771  
STANDARD DEVIATION 0.145  
SKEW 0.069

	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
T	2	5	10	25	50	100	200	500
STATION	587	781	908	1,070	1,190	1,310	1,430	1,590
REGIONAL	405	567	667	810	899	1,030	1,100	1,230
WEIGHTED	575	761	877	1,020	1,110	1,220	1,310	1,440

	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
T	2	5	10	25	50	100	200	500
STATION	8	9	11	14	17	21	25	30
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	8	9	10	13	15	18	20	23

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 20

Graph of annual peak discharges is shown below.





## 07290525 Whiteoak Creek tributary near Utica, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1965	11/28/64	11.26	1,230	1975	12/24/74	8.10	591
1966	4/21/66	7.51	462	1976	3/30/76	7.79	495
1967	5/21/67	9.06	710	1977	3/ 3/77	8.74	725
1968	5/ 9/68	7.71	380	1978	5/ 7/78	8.06	670
1969	4/17/69	8.48	580	1979	1/20/79	8.56	600
1970	6/ 2/70	7.25	350	1980	4/12/80	8.16	680
1971	10/19/70	8.88	671	1981	6/ 3/81	9.95	970
1972	7/29/72	7.00	510	1982	2/16/82	7.29	370
1973	1/31/73	8.17	606	1983	4/ 6/83	9.40	876
1974	4/13/74	7.57	590	1984	3/ 5/84	6.95	210

# 07290650 Bayou Pierre near Willows, MS

## LOCATION:

Lat 32°00'55", long 90°53'00", in sec. 16, T.12 N., R.3 E., Washington Meridian, Claiborne County, Hydrologic Unit 08060203, near right bank at downstream side of bridge on county highway, 1.4 mi upstream from South Fork Bayou Pierre, and 1.7 mi southeast of Willows.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 82.32 ft above sea level. From Sept. 9, 1958, to May 31, 1961, crest-stage gage.

DRAINAGE AREA: 654 mi<sup>2</sup>      SLOPE: 3.9 ft/mi      LENGTH: 70.7 mi

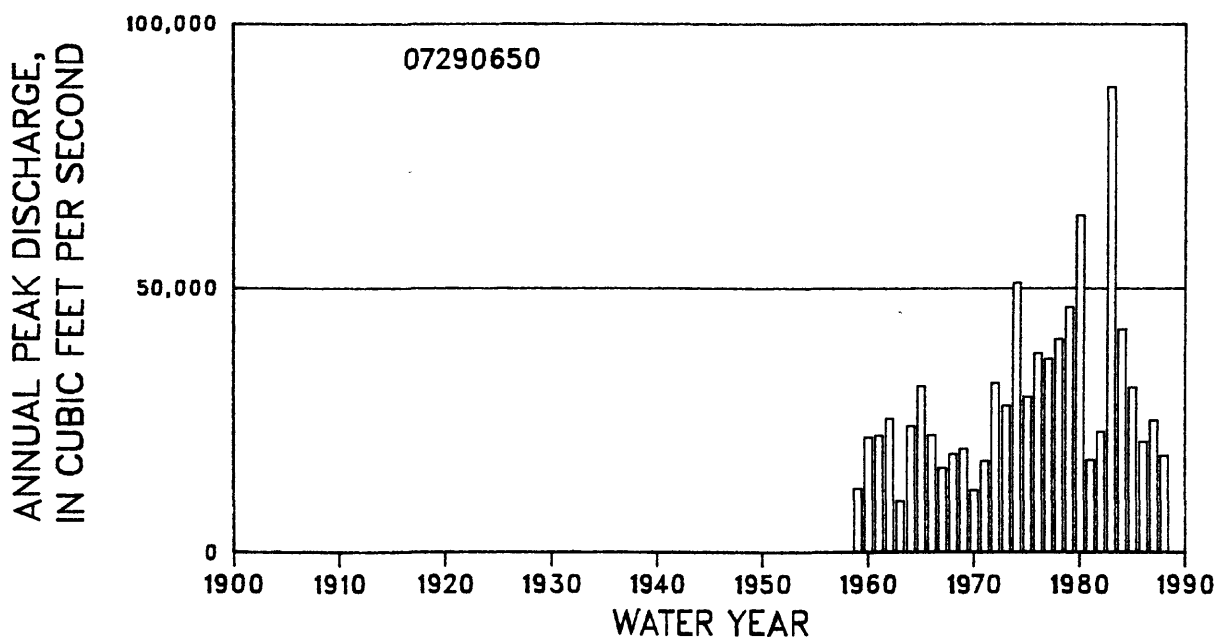
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN    4.413  
    STANDARD DEVIATION    0.216  
    SKEW      0.174

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	25,500	39,100	49,300	63,600	75,100	87,600	101,000	120,000
REGIONAL	24,900	41,600	53,400	68,600	78,600	94,400	105,000	120,000
WEIGHTED	25,500	39,400	50,000	64,900	76,300	90,300	103,000	120,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	10	11	14	18	23	27	33	40
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	9	10	12	16	18	21	24	27

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 30

Graph of annual peak discharges is shown below.



## 07290650 Bayou Pierre near Willows, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1959	4/19/59	17.33	12,000	1974	4/13/74	27.33	51,000
1960	12/17/59	24.03	21,700	1975	12/24/74	25.30	29,300
1961	3/29/61	24.20	22,000	1976	3/31/76	26.47	37,600
1962	12/18/61	26.12	25,200	1977	3/ 4/77	26.39	36,500
1963	1/20/63	15.43	9,680	1978	5/ 8/78	26.36	40,300
1964	4/27/64	24.61	23,800	1979	1/21/79	26.87	46,400
1965	10/ 5/64	27.42	31,300	1980	4/13/80	28.16	63,800
1966	4/21/66	23.88	22,100	1981	3/ 5/81	20.77	17,400
1967	5/ 4/67	19.61	15,900	1982	2/16/82	23.48	22,700
1968	1/10/68	21.50	18,500	1983	4/ 7/83	29.36	88,000
1969	4/14/69	22.24	19,500	1984	3/ 6/84	26.56	42,100
1970	3/ 4/70	16.59	11,700	1985	2/24/85	25.43	31,000
1971	5/12/71	20.54	17,200	1986	3/19/86	22.66	20,800
1972	12/ 7/71	25.80	31,900	1987	11/25/86	24.25	24,800
1973	3/25/73	24.65	27,600	1988	3/31/88	21.23	18,200

# 07290690 Clarks Creek near Pattison, MS

## LOCATION:

Lat 31°53'40", long 90°50'40", in sec. 35, T.11 N., R.4 E., Washington Meridian, Claiborne County, Hydrologic Unit 08060203, at bridge on county highway, 1.3 mi upstream from mouth, and 2.5 mi east of Pattison.

## GAGE:

Crest-stage gage. Datum of gage is 113.84 ft above sea level. Water-stage recorder from June 1961, to December 1962.

DRAINAGE AREA: 75.0 mi<sup>2</sup> SLOPE: 9.5 ft/mi LENGTH: 21.0 mi

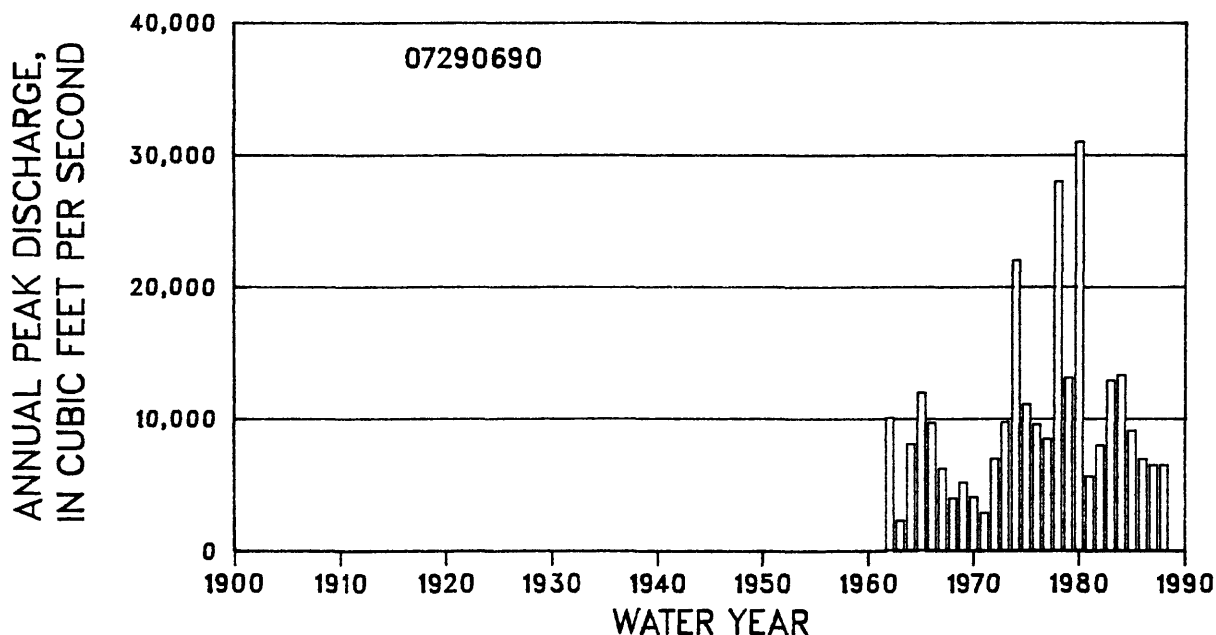
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.951  
STANDARD DEVIATION 0.231  
SKEW 0.264

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	8,730	13,800	17,900	23,700	28,600	34,000	39,900	48,800
REGIONAL	6,670	10,500	13,000	16,300	18,400	21,700	23,600	26,900
WEIGHTED	8,500	13,200	16,700	20,900	23,700	27,200	29,900	34,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	11	13	16	22	27	33	40	49
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	11	12	14	18	20	23	26	30

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 27

Graph of annual peak discharges is shown below.



## 07290690 Clarks Creek near Pattison, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1962	12/17/61	20.76	10,100	1976	3/31/76	20.83	9,590
1963	1/19/63	9.80	2,300	1977	4/21/77	19.02	8,500
1964	4/26/64	18.53	8,100	1978	5/ 8/78	27.46	28,000
1965	10/ 4/64	22.66	12,000	1979	3/ 3/79	22.15	13,100
1966	4/21/66	20.37	9,710	1980	4/12/80	27.90	31,000
1967	11/12/66	16.21	6,260	1981	3/ 4/81	14.65	5,650
1968	12/14/67	12.84	3,980	1982	4/21/82	17.43	8,000
1969	4/13/69	14.67	5,180	1983	4/ 6/83	21.90 c	12,900
1970	6/ 2/70	12.99	4,070	1984	3/ 5/84	22.19	13,300
1971	10/12/70	10.98	2,890	1985	4/24/85	18.69	9,100
1972	3/ 2/72	17.14	6,990	1986	3/19/86	16.24	6,970
1973	3/24/73	20.43	9,770	1987	3/18/87	--	6,500 h
1974	4/12/74	26.18	22,000	1988	4/ 1/88	--	6,500 h
1975	6/ 8/75	21.77	11,100				

c Estimated.

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

# 07290830 Little Creek near Fayette, MS

## LOCATION:

Lat 31°40'30", long 91°04'10", in SE corner of irregular section 24, T.8 N., R.1 E., Washington Meridian, Jefferson County, Hydrologic Unit 08060204, at culvert on State Highway 33, and 2.0 mi south of Fayette.

## GAGE:

Crest-stage gage. Datum of gage is assumed. Prior to Oct. 1, 1973, rain-gage and water-stage recorder also.

DRAINAGE AREA: 1.71 mi<sup>2</sup> SLOPE: 54.8 ft/mi LENGTH: 1.8 mi

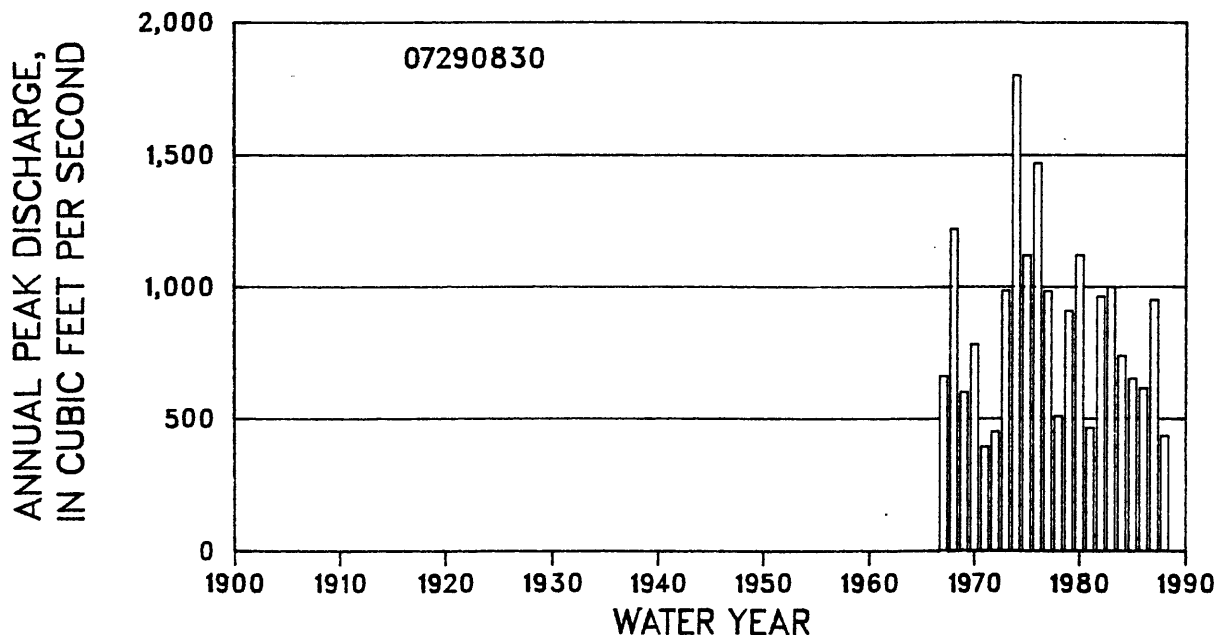
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.897  
STANDARD DEVIATION 0.179  
SKEW -0.099

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	794	1,120	1,330	1,600	1,800	2,000	2,200	2,460
REGIONAL	767	1,100	1,300	1,590	1,750	1,980	2,080	2,320
WEIGHTED	792	1,120	1,330	1,600	1,790	1,990	2,160	2,400

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	10	10	12	15	18	22	26	32
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	9	10	11	13	16	18	21	24

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 22

Graph of annual peak discharges is shown below.



## 07290830 Little Creek near Fayette, MS---Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1967	5/ 4/67	8.89	660	1978	11/21/77	7.82	510
1968	5/26/68	12.38	1,220	1979	1/20/79	10.52	908
1969	4/10/69	9.25	601	1980	4/12/80	11.85	1,120
1970	10/ 7/69	10.82	780	1981	7/ 1/81	7.41	465
1971	10/12/70	6.99	394	1982	2/16/82	10.86	963
1972	1/ 9/72	7.40	451	1983	4/ 6/83	11.02	1,000
1973	5/ 2/73	11.00	985	1984	3/ 5/84	9.41	736
1974	4/12/74	15.45	1,800	1985	10/22/84	8.80	650
1975	6/ 8/75	11.80	1,120	1986	3/19/86	8.69	615
1976	3/31/76	13.80	1,470	1987	3/18/87	10.81	950
1977	4/21/77	10.99	983	1988	4/ 1/88	7.20	435

# 07290870 Coles Creek near Fayette, MS

## LOCATION:

Lat 31°45'55", long 91°11'30", in sec. 21, T.9 N., R.1 W., Washington Meridian, Jefferson County, Hydrologic Unit 08060204, at bridge on county highway, 0.7 mi downstream from confluence of North and South Forks of Coles Creek, and 10.0 mi northwest of Fayette.

## GAGE:

Crest-stage gage. Datum of gage is 67.30 ft above sea level. From June 22, 1961, to July 25, 1963, water-stage recorder.

DRAINAGE AREA: 260 mi<sup>2</sup>      SLOPE: 7.3 ft/mi      LENGTH: 32.6 mi

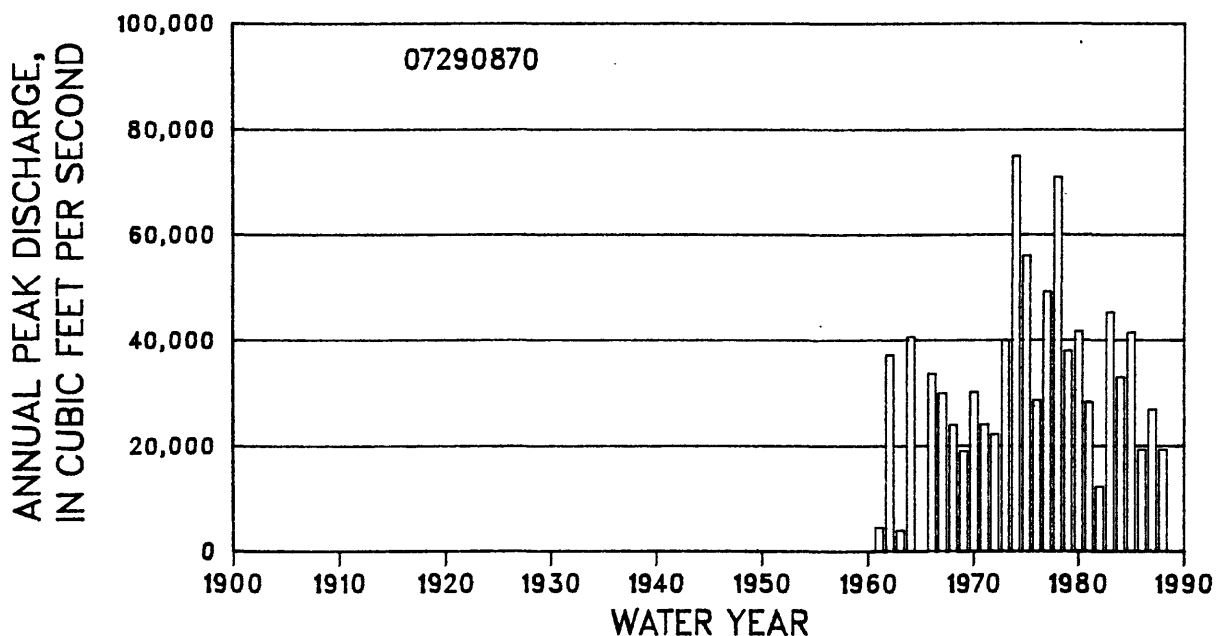
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN    4.508  
    STANDARD DEVIATION    0.175  
    SKEW      0.027

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	32,200	45,200	54,000	65,400	74,000	82,700	91,700	104,000
REGIONAL	16,600	27,300	34,700	44,500	50,600	60,000	65,700	75,000
WEIGHTED	31,000	43,300	51,300	61,000	67,600	75,400	82,100	91,700

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	8	9	11	14	17	21	25	30
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	8	9	10	13	15	18	20	23

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 27

Graph of annual peak discharges is shown below.





## 07290870 Coles Creek near Fayette, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1961	7/11/61	12.30	4,530	1976	10/16/75	23.34	28,600
1962	12/17/61	25.26	37,300	1977	4/21/77	27.53	49,200
1963	1/20/63	11.61	3,980	1978	5/11/78	31.39	71,000
1964	4/26/64	25.94	40,700	1979	1/20/79	25.41	38,000
1966	4/21/66	24.46	33,700	1980	1/11/80	26.14	41,700
1967	5/21/67	23.61	30,000	1981	3/ 4/81	23.07	28,200
1968	12/18/67	21.98	24,000	1982	3/31/82	19.88	12,300
1969	4/13/69	20.51	19,000	1983	4/ 6/83	30.04	45,300
1970	12/ 6/69	23.64	30,200	1984	3/ 5/84	27.13	33,000
1971	10/12/70	22.00	24,100	1985	10/23/84	29.21	41,500
1972	12/ 6/71	21.47	22,200	1986	3/19/86	--	19,300 h
1973	3/24/73	25.80	40,000	1987	3/18/87	25.47	26,900
1974	4/12/74	31.96	75,000	1988	4/ 2/88	--	19,300 h
1975	6/ 8/75	28.60	56,000				

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

07290900 St. Catherine Creek near Natchez, MS

LOCATION:

Lat 31°32'30", long 91°21'43", in sec.75, T.7 N., R.3 W., Washington Meridian, Adams County, Hydrologic Unit 08060204, at bridge on State Highway 551 , and 2.5 mi southeast of Natchez.

GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 74.35 ft above sea level.

DRAINAGE AREA: 54.3 mi<sup>2</sup> SLOPE: 12.4 ft/mi LENGTH: 15.7 mi

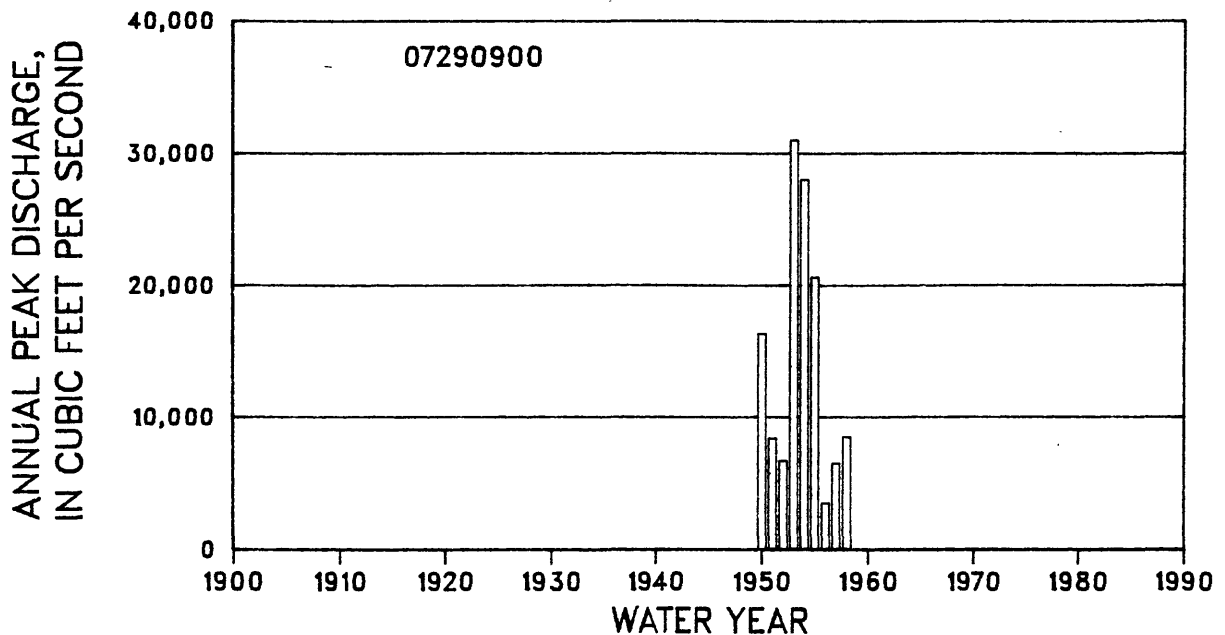
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.056  
STANDARD DEVIATION 0.324  
SKEW -0.074

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	11,500	21,400	29,400	41,200	51,100	62,000	73,800	91,200
REGIONAL	5,940	9,290	11,500	14,400	16,200	19,000	20,600	23,400
WEIGHTED	8,890	14,400	17,400	20,400	21,900	24,500	25,900	28,700

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	27	29	34	45	56	69	85	109
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	21	21	22	25	27	30	32	35

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 9

Graph of annual peak discharges is shown below.



## 07290900 St. Catherine Creek near Natchez, MS---Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1950	5/ 2/50	24.90	16,300	1956	2/ 4/56	13.10	3,500
1951	6/16/51	18.70	8,400	1957	6/27/57	16.70	6,500
1952	12/ 8/51	17.00	6,700	1958	11/ 8/57	18.80	8,500
1953	5/17/53	33.80	31,000	1959	6/ 8/59	22.90	--
1954	4/30/54	32.15	28,000	1960	10/31/59	21.70	--
1955	4/12/55	27.74	20,600				

# 07290910 Spanish Bayou at Natchez, MS

## LOCATION:

Lat 31°31'50", long 91°22'25", in sec.46, T.7 N., R.3 W., Washington Meridian, Adams County, Hydrologic Unit 08060204, at culvert on U.S. Highways 84 and 65, and at southern city limits of Natchez.

## GAGE:

Crest-stage gage. From Aug. 19, 1966, to Sept. 22, 1971, rain-gage and water-stage recorders also. Datum of gage is assumed.

DRAINAGE AREA: 2.46 mi<sup>2</sup> SLOPE: 27.9 ft/mi LENGTH: 3.7 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.060  
STANDARD DEVIATION 0.144  
SKEW -0.087

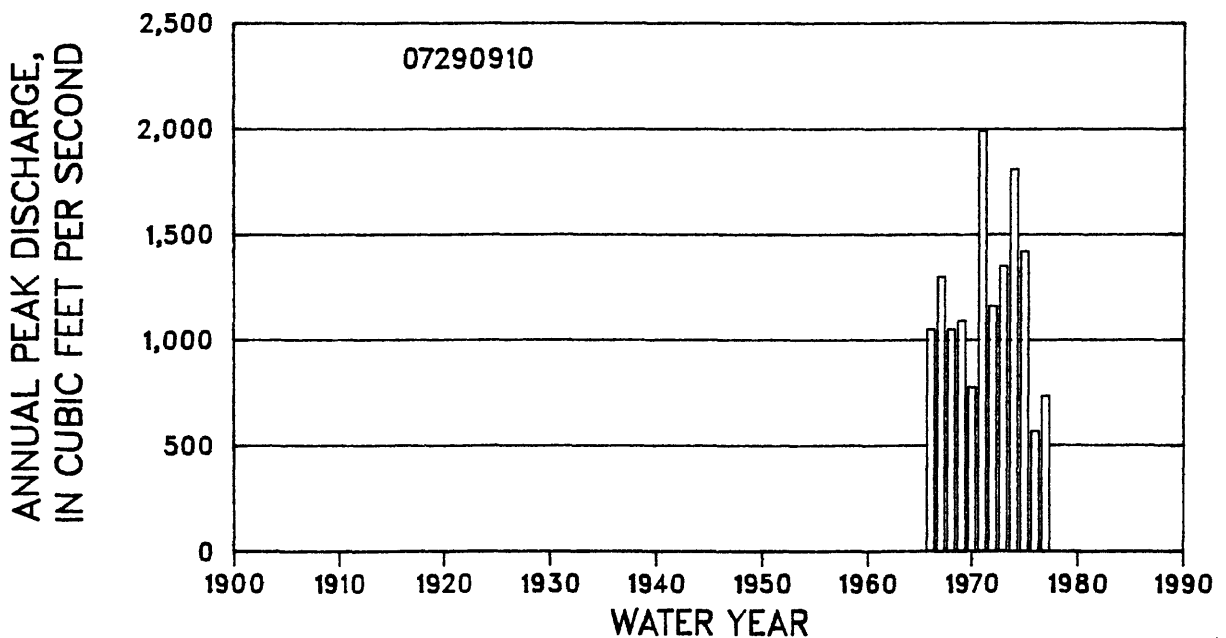
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	1,150	1,520	1,750	2,030	2,240	2,430	2,630	2,880

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	10	11	13	17	20	24	29	35

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 12

NOTE: The discharges are affected by urbanization. The flood-frequency discharges are unweighted station estimates, which may be more uncertain than is indicated by the standard error of estimate.

Graph of annual peak discharges is shown below.



## 07290910 Spanish Bayou at Natchez, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1966	9/18/66	10.74	1,050 j	1972	3/ 2/72	11.32	1,160 j
1967	8/27/67	11.98	1,300 j	1973	3/24/73	12.27	1,350 j
1968	12/14/67	10.70	1,050 j	1974	1/ 3/74	14.36	1,810 j
1969	7/19/69	10.95	1,090 j	1975	5/ 7/75	12.60	1,420 j
1970	10/ 7/69	9.18	775 j	1976	3/31/76	7.88	567 j
1971	10/12/70	15.12	1,990 j	1977	8/18/77	8.93	735 j

j Discharge affected by urbanization or channelization.

## 07291000 Homochitto River at Eddiceton, MS

LOCATION:

Lat 31°30'10", long 90°46'35", in SE 1/4 NE 1/4 sec.11, T.6 N., R.4 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, on left bank at upstream side of Illinois Central and Gulf Railroad bridge, 900 ft downstream from bridge on U.S. Highway 84, 0.4 mi upstream from McCall Creek, and 0.8 mi east of Eddiceton.

GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 212.22 ft above sea level. Prior to May 18, 1984, at datum 5.0 ft higher. Prior to May 26, 1942, nonrecording gage at site 900 ft upstream.

DRAINAGE AREA: 181 mi<sup>2</sup>      SLOPE: 6.2 ft/mi      LENGTH: 32.6 mi

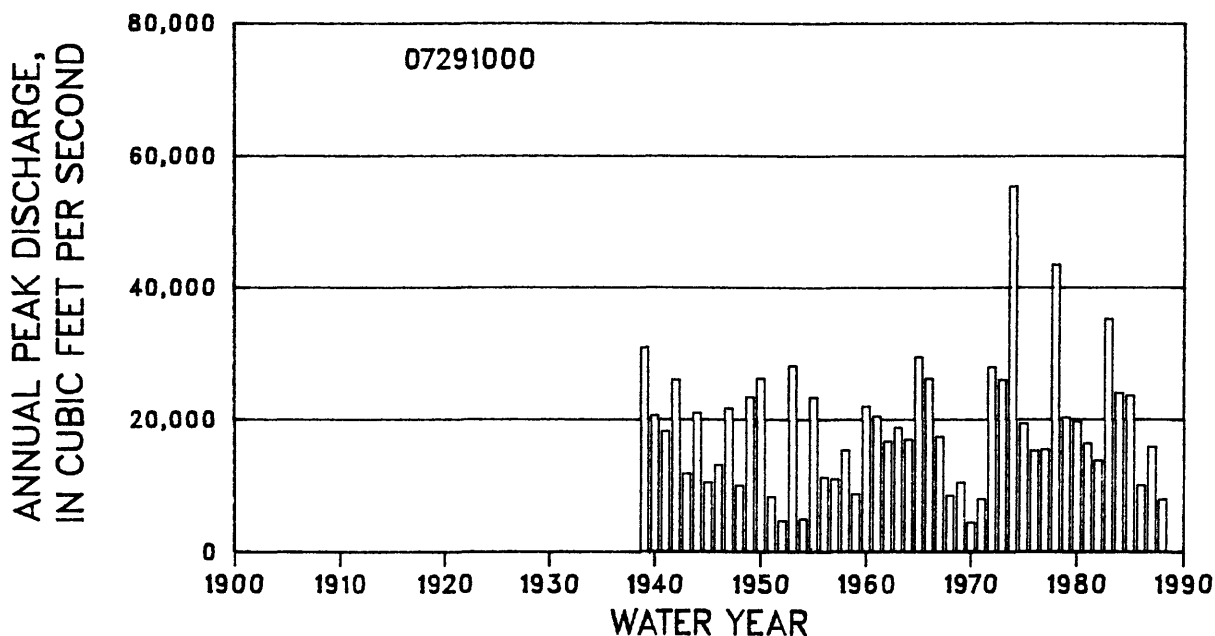
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:	MEAN	4.215
	STANDARD DEVIATION	0.237
	SKEW	-0.309

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	16,900	26,100	32,400	40,200	45,900	51,600	57,200	64,500
REGIONAL	11,100	17,900	22,600	28,800	32,800	38,900	42,700	48,800
WEIGHTED	16,500	25,400	31,400	38,500	43,300	48,500	53,100	59,300

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	8	8	9	12	14	17	21	25
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	8	8	9	11	13	15	18	21

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 50

Graph of annual peak discharges is shown below.



## 07291000 Homochitto River at Eddiceton, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1939	3/29/39	12.73 a	30,900	1964	4/26/64	12.24 a	17,000
1940	7/ 3/40	11.09 a	20,600	1965	10/ 4/64	16.82 a	29,400
1941	12/13/40	10.70 a	18,200	1966	4/26/66	15.70 a	26,200
1942	5/15/42	12.00 a	26,000	1967	5/ 4/67	12.38 a	17,400
1943	4/ 9/43	9.74 a	11,800	1968	4/13/68	8.38 a	8,480
1944	3/29/44	13.84 a	21,000	1969	4/13/69	9.45 a	10,500
1945	2/ 5/45	9.10 a	10,500	1970	3/ 4/70	5.93 a	4,420
1946	2/ 6/46	9.98 a	13,100	1971	3/ 2/71	8.10 a	7,980
1947	4/ 1/47	14.52 a	21,700	1972	12/ 6/71	16.31 a	27,900
1948	3/ 2/48	9.27 a	10,000	1973	3/24/73	15.64 a	26,000
1949	3/31/49	14.70 a	23,400	1974	4/13/74	19.53 a	55,400
1950	5/ 2/50	15.74 a	26,200	1975	6/ 8/75	13.20 a	19,400
1951	3/28/51	8.56 a	8,310	1976	3/30/76	11.55 a	15,300
1952	12/14/51	6.70 a	4,660	1977	4/21/77	11.61 a	15,500
1953	5/17/53	16.37 a	28,100	1978	5/ 7/78	17.52 a	43,500
1954	3/27/54	6.73 a	4,960	1979	1/20/79	12.54 a	20,300
1955	4/13/55	14.67 a	23,400	1980	4/12/80	12.29 a	19,700
1956	3/15/56	9.76 a	11,300	1981	7/ 2/81	11.10 a	16,400
1957	6/28/57	9.66 a	11,000	1982	3/31/82	10.00 a	13,800
1958	6/16/58	11.59 a	15,400	1983	4/ 6/83	16.43 a	35,200
1959	6/12/59	8.56 a	8,710	1984	3/ 5/84	13.70 ab	24,000
1960	12/17/59	14.23 a	22,000	1985	10/21/84	18.58	23,600
1961	3/28/61	15.56 a	20,500	1986	3/19/86	13.25	10,100
1962	12/17/61	12.12 a	16,700	1987	11/24/86	15.91	15,900
1963	1/19/63	12.98 a	18,800	1988	3/30/88	12.14	7,960

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

07291250 McCall Creek near Lucien, MS

LOCATION:

Lat 31°30'24", long 90°38'45", in SW 1/4, sec.6, T.6 N., R.6 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, at U.S. Highway 84, and 0.8 mi east of Lucien.

GAGE:

Crest-stage gage. Datum of gage is assumed.

DRAINAGE AREA: 60.8 mi<sup>2</sup> SLOPE: 10.9 ft/mi LENGTH: 14.8 mi

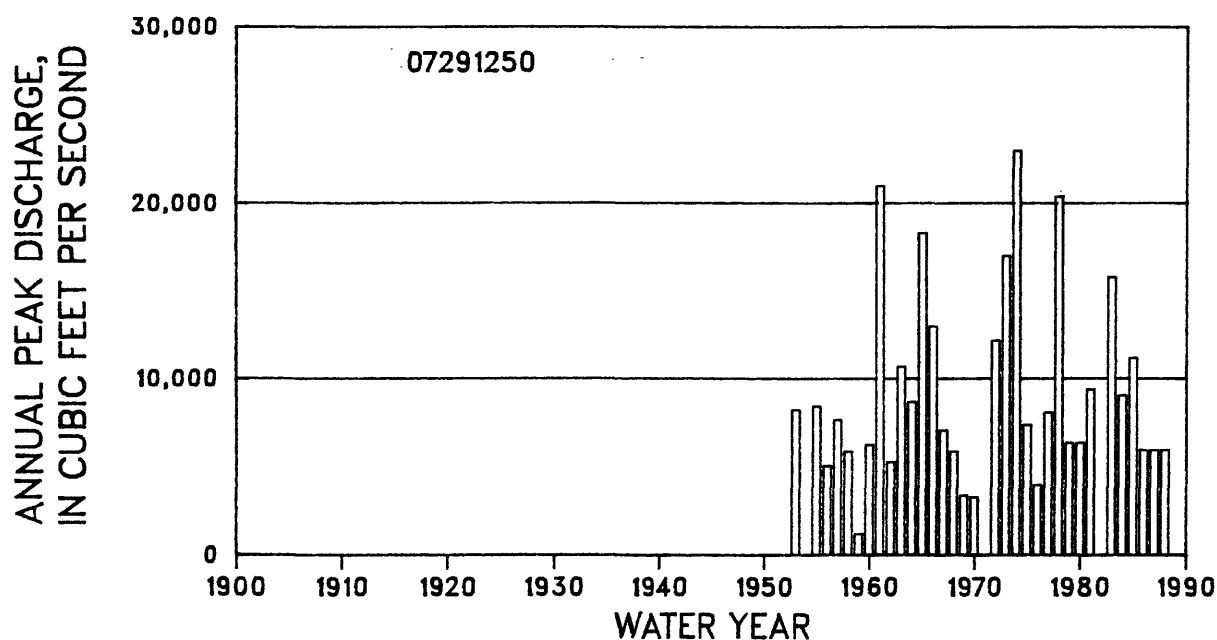
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.897  
STANDARD DEVIATION 0.252  
SKEW -0.019

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	7,900	12,900	16,600	21,700	25,900	30,200	34,900	41,400
REGIONAL	6,180	9,750	12,200	15,400	17,400	20,400	22,100	25,200
WEIGHTED	7,720	12,400	15,700	19,800	22,700	25,900	28,500	32,300

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	11	12	14	18	22	27	32	39
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	10	11	13	16	18	21	23	27

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 33

Graph of annual peak discharges is shown below.





## 07291250 McCall Creek near Lucien, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1953	5/18/53	89.02	8,250	1972	12/ 6/71	88.70	12,200
1955	4/13/55	89.44	8,450	1973	3/24/73	89.66	17,000
1956	3/15/56	84.31	5,100	1974	4/13/74	92.70	23,000
1957	6/28/57	88.20	7,700	1975	5/ 7/75	83.80	7,400
1958	6/16/58	85.44	5,900	1976	3/31/76	81.59	4,000
1959	unknown	79.80	1,200	1977	3/ 4/77	84.31	8,100
1960	12/17/59	85.28	6,300	1978	5/ 8/78	91.58	20,400
1961	3/28/61	91.83	21,000	1979	4/23/79	83.32	6,400
1962	3/31/62	83.90	5,300	1980	4/12/80	83.33	6,400
1963	1/19/63	87.63	10,700	1981	7/ 2/81	84.79	9,400
1964	4/26/64	86.57	8,700	1983	4/ 6/83	89.08	15,800
1965	10/ 4/64	90.93	18,300	1984	3/ 5/84	84.66	9,060
1966	2/10/66	88.82	13,000	1985	10/23/84	86.16	11,200
1967	5/ 4/67	85.43	7,100	1986	3/19/86	--	6,000 h
1968	12/14/67	84.49	5,900	1987	3/18/87	--	6,000 h
1969	unknown	--	3,400 h	1988	4/ 1/88	--	6,000 h
1970	unknown	--	3,300 h				

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

# 07291260 Beaver Run near McCall Creek, MS

## LOCATION:

Lat 31°30'30", long 90°43'10", in NW 1/4 NW 1/4 NE 1/4 sec.8, T.6 N., R.5 E., Franklin County, Hydrologic Unit 08060205, at culvert on U.S. Highway 84, and 1.4 mi west of McCall Creek.

## GAGE:

Crest-stage gage. From April 28, 1965, to Oct. 1, 1973, rain-gage and water-stage recorders also. Datum of gage is assumed.

DRAINAGE AREA: 2.65 mi<sup>2</sup> SLOPE: 37.0 ft/mi LENGTH: 4.0 mi

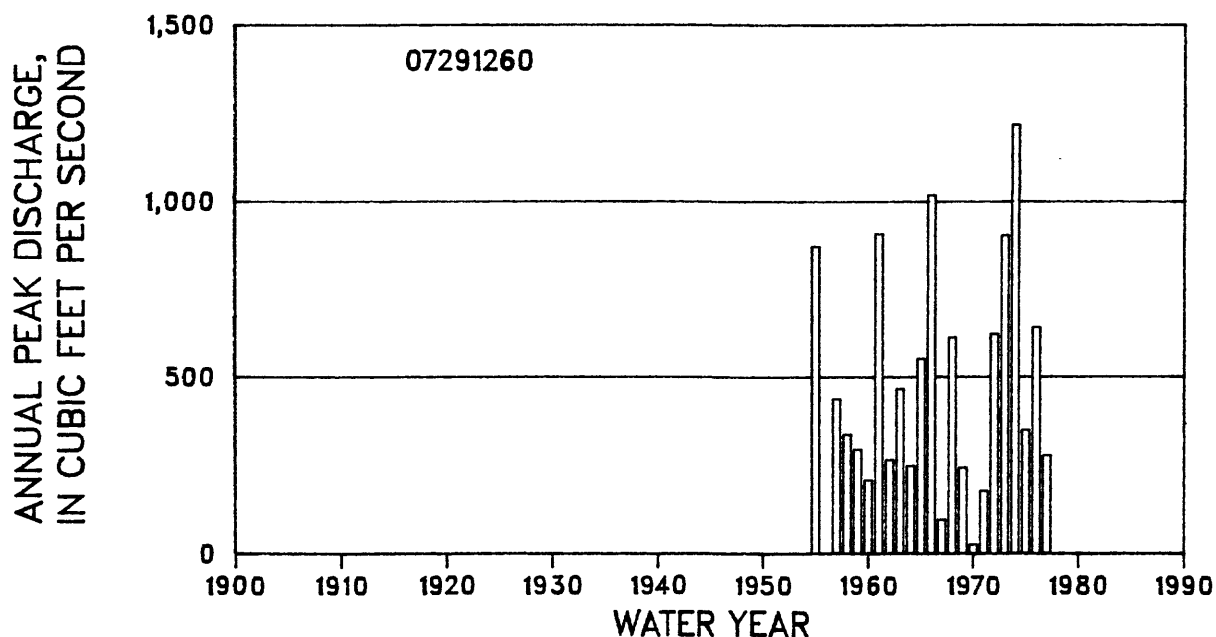
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.607  
STANDARD DEVIATION 0.298  
SKEW -0.193

	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
T	2	5	10	25	50	100	200	500
STATION	414	726	962	1,290	1,540	1,820	2,100	2,490
REGIONAL	845	1,200	1,400	1,680	1,850	2,110	2,240	2,510
WEIGHTED	471	813	1,070	1,430	1,680	1,970	2,180	2,500

	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
T	2	5	10	25	50	100	200	500
STATION	16	16	19	24	29	35	42	52
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	14	14	16	19	21	24	27	30

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 22

Graph of annual peak discharges is shown below.



## 07291260 Beaver Run near McCall Creek, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	4/12/55	8.72	874	1967	5/ 4/67	3.75	98
1957	6/28/57	6.11 c	441 c	1968	4/13/68	7.29	614
1958	unknown	5.36 c	340 c	1969	4/13/69	4.80	245
1959	6/12/59	5.00 c	297 c	1970	8/11/70	2.99	27
1960	12/17/59	4.29 c	210 c	1971	3/19/71	4.33	179
1961	3/28/61	9.04	910	1972	12/ 6/71	7.35	623
1962	4/12/62	4.86	267	1973	3/24/73	9.06	905
1963	1/19/63	6.28	468	1974	4/13/74	10.85	1,220
1964	4/26/64	4.63	250	1975	5/ 7/75	5.55	352
1965	9/11/65	6.89	554	1976	3/31/76	7.47	642
1966	4/26/66	9.70	1,020	1977	5/ 8/77	5.05	280

c Estimated.

07291500 Homochitto River near Bude, MS

LOCATION:

Lat 31°26'00", long 90°51'00", in NE 1/4 sec.5, T.6 N., R.3 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, at bridge on U.S. Highway 98, 0.2 mi downstream from Porter Creek, 1.6 mi southwest of Bude, and 5.0 mi upstream from Middle Fork.

GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is approximately 185 ft above sea level.

DRAINAGE AREA: 407 mi<sup>2</sup> SLOPE: 5.8 ft/mi LENGTH: 39.7 mi

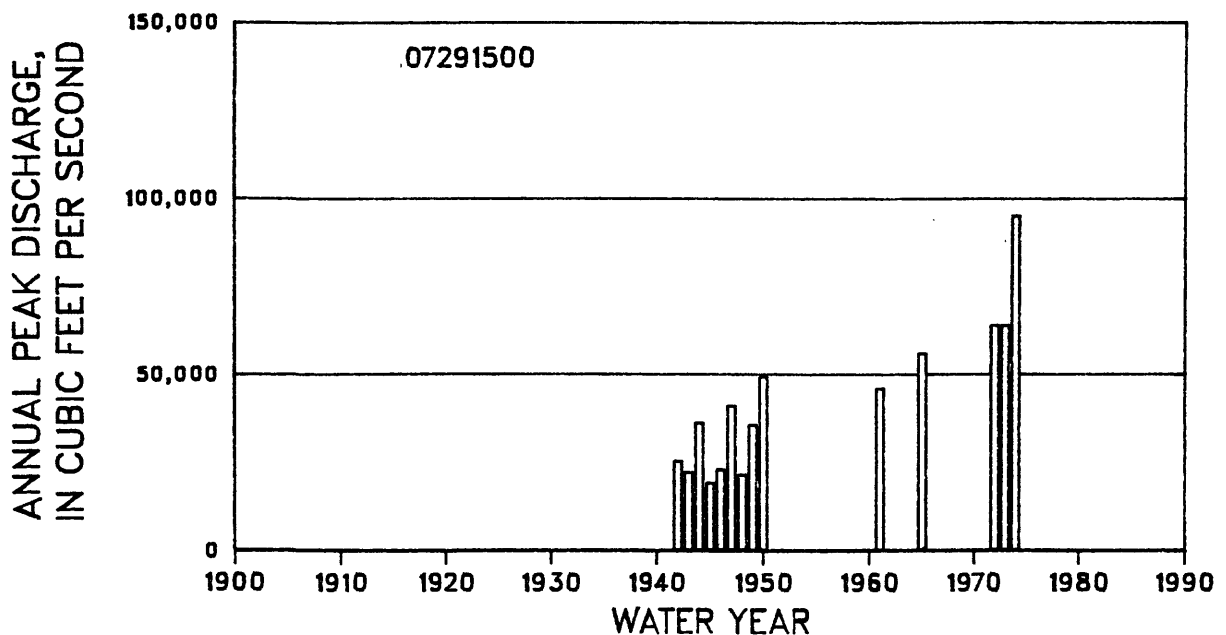
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.506  
STANDARD DEVIATION 0.183  
SKEW 0.263

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	31,500	45,400	55,500	69,400	80,600	92,400	105,000	123,000
REGIONAL	21,400	35,700	45,900	59,400	67,900	80,800	88,900	102,000
WEIGHTED	30,100	43,500	52,900	65,400	74,300	85,900	95,100	109,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	12	14	17	24	30	37	44	55
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	12	13	15	19	22	24	27	31

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 14

Graph of annual peak discharges is shown below.



07291500 Homochitto River near Bude, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1942	5/15/42	12.18	25,300	1949	3/31/49	14.26	35,600
1943	12/27/42	11.50	22,200	1950	1/ 6/50	16.60	49,400
1944	3/29/44	14.45	36,200	1961	3/28/61	16.20	46,000 f
1945	2/ 5/45	10.38	19,200	1965	10/ 4/64	17.61	56,000 f
1946	2/ 6/46	11.62	23,000	1972	12/ 6/71	18.40	64,000 f
1947	4/ 1/47	15.25	41,000	1973	3/24/73	18.40	64,000 f
1948	3/ 2/48	11.56	21,500	1974	4/14/74	22.00	95,000 f

HISTORICAL DATA: The 1965, 1972, 1973, and 1974 peaks are the highest known between 1942 and 1974.

f Discharge is an historical peak.

# 07292500 Homochitto River at Rosetta, MS

## LOCATION:

Lat 31°19'30", long 91°06'24", in sec.12, T.4 N., R.1. E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, near right bank, near downstream side of pier cap, under bridge, on State Highway 33 at Rosetta, 0.8 mi downstream from Foster Creek, and 4.0 mi upstream from Dry Creek.

## GAGE:

Continuous-discharge gage, water-stage recorder. Datum of gage is 94.39 ft above sea level. From June 16, to Nov. 12, 1906, nonrecording gage at Illinois Central and Gulf Railroad bridge(800 ft upstream) at different datum. From December 1976, to April 1978, near right bank on downstream side of railroad bridge.

DRAINAGE AREA: 787 mi<sup>2</sup> SLOPE: 5.0 ft/mi LENGTH: 64.4 mi

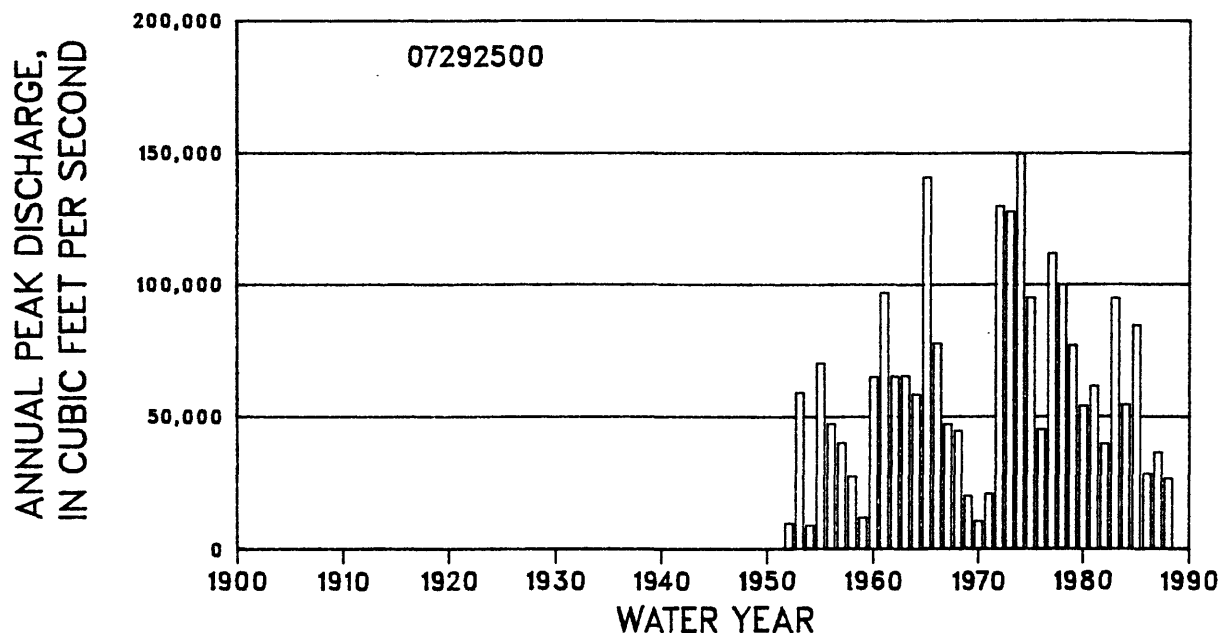
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 4.698  
STANDARD DEVIATION 0.326  
SKEW -0.447

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	52,700	94,800	125,000	164,000	194,000	223,000	252,000	290,000
T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	14	13	14	18	22	27	32	40

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 37

NOTE: The discharges are affected by channelization. The slope and length may not be fully representative of current conditions. The statistics of logarithms of annual peak discharge and the flood-frequency discharges are for current conditions. The discharges are unweighted station estimates, which may be more uncertain than is indicated by the standard error of estimate.

Graph of annual peak discharges is shown below.



## 07292500 Homochitto River at Rosetta, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1949	3/31/49	37.80	--	1969	4/13/69	20.80	20,200
1950	1/ 6/50	37.60	--	1970	3/ 4/70	18.10	10,700
1951	3/29/51	30.30	--	1971	3/19/71	20.60	21,100
1952	12/15/51	25.72	9,930	1972	12/ 6/71	27.60	130,000
1953	5/ 4/53	36.03	59,400	1973	3/24/73	27.50	128,000
1954	5/ 3/54	24.08	9,160	1974	4/13/74	28.60	150,000
1955	4/13/55	35.62	70,500	1975	6/ 8/75	25.64	95,200
1956	3/15/56	28.60	47,500	1976	3/30/76	21.96	45,300
1957	6/28/57	27.72	40,400	1977	4/21/77	24.09 a	112,000
1958	11/18/57	25.85	27,700	1978	11/30/77	23.52 a	100,100
1959	2/ 2/59	22.35	12,100	1979	2/24/79	21.05	77,200
1960	12/17/59	29.70	65,300	1980	2/ 9/80	20.01	54,200
1961	3/28/61	31.20	97,000	1981	7/ 2/81	20.80	61,800
1962	12/17/61	26.58	65,500	1982	3/31/82	18.62	39,900
1963	1/19/63	26.60	65,700	1983	4/ 6/83	22.74	94,900
1964	4/27/64	25.50	58,800	1984	3/ 5/84	19.91	54,600
1965	10/ 4/64	29.30	141,000	1985	10/21/84	21.25	84,700
1966	4/26/66	26.70	78,000	1986	3/19/86	16.87	28,700
1967	5/ 4/67	24.54	47,400	1987	11/24/86	17.51	36,800
1968	12/15/67	24.28	44,800	1988	3/25/88	15.86	26,900

a Gage height at different site and (or) datum.

# 07294000 Second Creek at Sibley, MS

## LOCATION:

Lat 31°23'20", long 91°23'20", in S 1/2 sec.13, T.5 N., R.3 W., Washington Meridian, Adams County, Hydrologic Unit 08060205, at bridge on county highway, 0.7 mi east of Sibley, and 5 mi upstream from mouth.

## GAGE:

Crest-stage gage. Nonrecording gage from March to April 1942, and water-stage recorder from April to September 1942, at site 360 ft upstream. Datum of gage is assumed.

DRAINAGE AREA: 55.3 mi<sup>2</sup> SLOPE: 9.2 ft/mi LENGTH: 23.3 mi

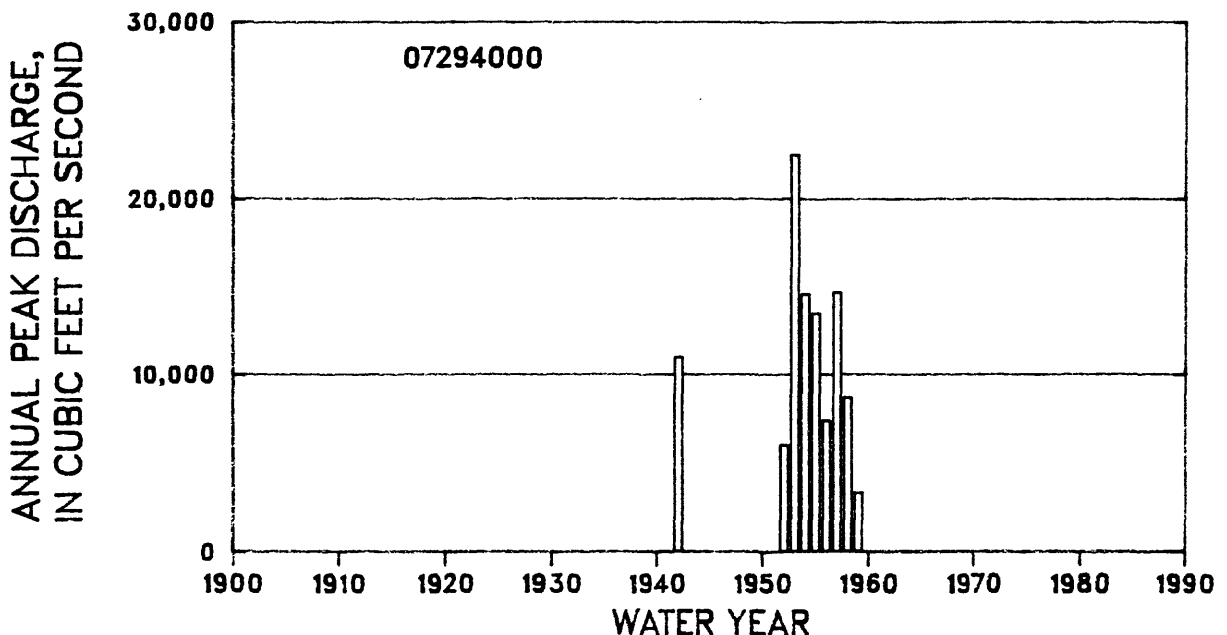
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 3.991  
STANDARD DEVIATION 0.264  
SKEW -0.176

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	9,980	16,400	21,100	27,400	--	--	--	--
T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	24	24	28	36	--	--	--	--

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 8

NOTE: The discharges are affected by channelization. The slope and length may not be fully representative of current conditions. The statistics of logarithms of annual peak discharge and the flood-frequency discharges are for current conditions. The discharges are unweighted station estimates, which may be more uncertain than is indicated by the standard error of estimate. The period of record is insufficient for station estimates of large recurrence interval floods.

Graph of annual peak discharges is shown below.





## 07294000 Second Creek at Sibley, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1942	5/15/42	8.56 a	11,000 f	1957	6/27/57	11.73	14,700
1952	12/ /51	7.55	6,040	1958	3/18/58	9.47	8,720
1953	5/ 3/53	13.70	22,500	1959	6/ 9/59	5.48	3,350
1954	5/ 1/54	11.22	14,600	1960	12/17/59	6.96	--
1955	4/13/55	11.36	13,500	1961	3/28/61	10.81	--
1956	2/ 4/56	8.62	7,420	1962	12/12/61	8.21	--

a Gage height at different site and (or) datum.

f Discharge is an historical peak.

07294400 Observer's Draw near Doloroso, MS

LOCATION:

Lat 31°19'10", long 91°21'20", between secs.10 and 22, T.4 N., R.2 W., Washington Meridian, Wilkinson County, Hydrologic Unit 08060205, at culvert on U.S. Highway 61, and 1.3 mi north of Doloroso.

GAGE:

Crest-stage gage. From May 18, 1965, to Oct. 1, 1973, rain-gage and water-stage recorders also. Datum of gage is assumed.

DRAINAGE AREA: 0.22 mi<sup>2</sup> SLOPE: 153 ft/mi LENGTH: 1.1 mi

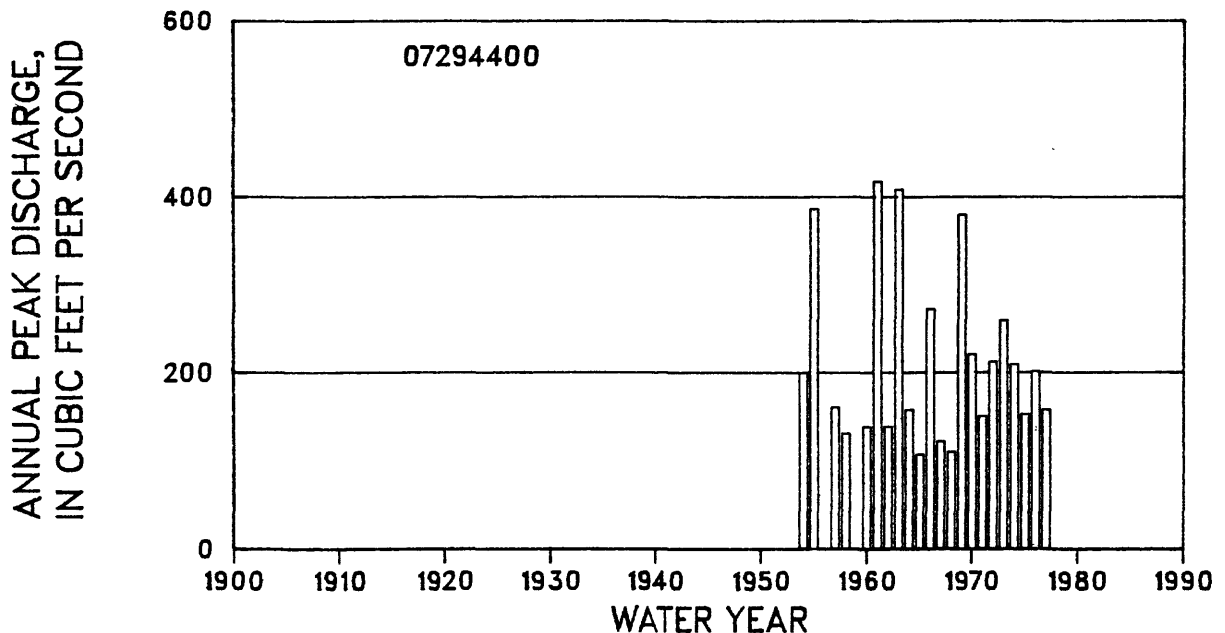
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.290  
STANDARD DEVIATION 0.185  
SKEW 0.232

	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
T	2	5	10	25	50	100	200	500
STATION	192	278	340	425	493	565	641	750
REGIONAL	225	297	329	381	407	452	466	515
WEIGHTED	194	280	338	412	460	514	550	613

	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
T	2	5	10	25	50	100	200	500
STATION	10	11	14	19	23	29	34	42
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	9	11	13	16	19	22	24	28

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 22

Graph of annual peak discharges is shown below.



## 07294400 Observer's Draw near Doloroso, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1954	5/ 3/54	7.01	200	1967	6/ 1/67	5.60	122
1955	4/12/55	9.78	387	1968	12/14/67	5.36	110
1957	9/27/57	6.27	161	1969	7/19/69	9.69	380
1958	4/ 9/58	5.27	131	1970	5/ 2/70	7.35	221
1960	12/17/59	5.65	139	1971	2/26/71	6.18	151
1961	3/17/61	10.10	418	1972	1/ 9/72	7.22	213
1962	1/15/62	5.65	139	1973	3/24/73	8.00	260
1963	1/19/63	9.96	409	1974	12/24/73	7.17	210
1964	3/ 2/64	6.20	158	1975	11/20/74	6.21	153
1965	2/17/65	5.30	107	1976	3/31/76	7.04	202
1966	4/21/66	8.19	273	1977	4/20/77	6.30	158

# 07294500 Homochitto River near Doloroso, MS

## LOCATION:

Lat 31°19'53", long 91°21'37", in sec.10, T.4 N., R.2 W., Washington Meridian, Wilkinson County, Hydrologic Unit 08060205, at bridge on U.S. Highways 61 & 65, about 0.2 mi downstream from Second Creek, 2.2 mi north of Doloroso, 10 mi upstream from mouth (through Armstrong Canal), 16 mi north of Woodville, and 16 mi south of Natchez.

## GAGE:

Nonrecording gage prior to Jan. 31, 1940, and after Nov. 1949. From Jan. 31, 1940, to Sept. 30, 1946, water-stage recorder. Datum of gage is 42.23 ft above sea level. Prior to Oct. 1, 1944, at datum 15.00 ft higher.

DRAINAGE AREA: 1,140 mi<sup>2</sup>      SLOPE: 4.0 ft/mi      LENGTH: 85.3 mi

STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN      4.710  
    STANDARD DEVIATION      0.266  
    SKEW      -0.255

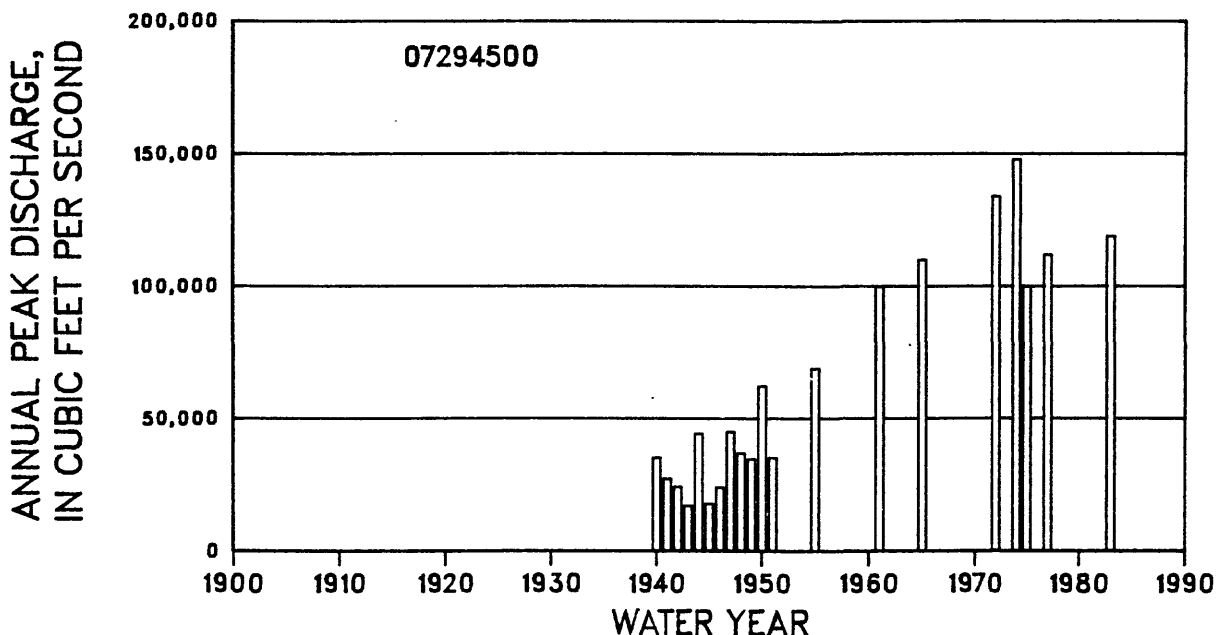
T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	52,600	86,500	110,000	142,000	166,000	190,000	215,000	248,000

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	15	15	16	21	26	31	37	46

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 21

NOTE: The discharges are affected by channelization. The slope and length may not be fully representative of current conditions. The statistics of logarithms of annual peak discharge and the flood-frequency discharges are for current conditions. The discharges are unweighted station estimates, which may be more uncertain than is indicated by the standard error of estimate. The logarithmic mean and standard deviation of the station record were computed after adjusting the record based on a correlation with long-term records at Station 07292500 using procedures described in Bulletin 17B (Interagency Advisory Committee on Water Data, 1982).

Graph of annual peak discharges is shown below.



## 07294500 Homochitto River near Doloroso, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1938	4/ 7/38	23.40 a	--	1963	4/ 6/63	12.49 q	--
1940	7/ 4/40	21.33 a	35,300	1964	3/ 2/64	12.90 q	--
1941	12/14/40	19.54 a	27,300	1965	10/ 4/64	29.57	110,000 cf
1942	12/24/41	18.80 a	24,300	1966	4/26/66	22.12 q	--
1943	3/27/43	15.54 a	17,100	1967	5/ 4/67	15.75 q	--
1944	3/30/44	18.56 ab	44,400 e	1968	4/23/68	20.73 q	--
1945	2/ 6/45	24.52	17,900	1969	7/23/69	26.38 q	--
1946	5/16/46	26.10	24,100	1970	8/29/70	8.26 q	--
1947	4/ /47	--	45,000 c	1971	9/18/71	9.00 q	--
1948	3/ /48	--	37,000 c	1972	12/ 6/71	31.50	134,000 f
1949	3/31/49	26.44	34,800 p	1973	3/25/73	29.70 q	--
1950	1/ 7/50	32.11	62,300	1974	4/14/74	33.00	148,000 f
1951	3/29/51	22.22	35,300	1975	6/ 8/75	28.51 c	100,000 cf
1953	5/19/53	33.00 q	--	1976	3/31/76	17.65 q	--
1954	9/17/54	19.35 q	--	1977	4/21/77	24.00 q	112,000 c
1955	4/13/55	30.87	69,000	1978	11/30/77	25.52 q	--
1956	2/ 4/56	18.50 q	--	1979	4/22/79	29.80 q	--
1957	6/28/57	21.50 q	--	1980	3/28/80	23.80 q	--
1958	9/22/58	16.05 q	--	1981	3/ 5/81	13.00 q	--
1959	2/ 3/59	12.40 q	--	1982	3/31/82	19.50 q	--
1960	12/17/59	22.52 q	--	1983	4/ /83	30.30	119,000 f
1961	3/28/61	28.45	100,000 cf	1984	5/28/84	22.10 q	--
1962	4/13/62	16.24 q	--				

HISTORICAL DATA: The 1972 and 1974 peaks are the highest known between 1938 and 1988.

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

c Estimated.

e Discharge is a maximum daily average.

f Discharge is an historical peak.

p Discharge actually greater than indicated value.

q Gage height is a daily reading and may not be the maximum gage height for the water year



## 07295000 Buffalo River near Woodville, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1942	4/ 9/42	10.00 a	12,000	1966	2/15/66	14.35	18,300
1943	2/ 5/43	11.87 a	20,700	1967	4/15/67	19.88	43,300
1944	3/19/44	9.48 a	11,100	1968	12/14/67	15.55	23,100
1945	2/ 5/45	10.92 a	15,100	1969	7/19/69	19.56	41,700
1946	5/17/46	12.50 a	23,700	1970	12/ 7/69	10.96	7,190
1947	11/11/46	15.00 a	33,900	1971	9/16/71	15.25	21,900
1948	3/ 2/48	16.20 a	39,900	1972	12/ 6/71	19.39	40,800
1949	12/16/48	13.40 a	27,000	1973	3/25/73	22.30	65,000
1950	1/ 6/50	12.82 a	25,200	1974	4/13/74	19.61	42,000
1951	6/17/51	13.26 a	27,700	1975	6/ 8/75	19.12	39,800
1952	5/19/52	7.17 a	5,460	1976	4/10/76	12.04	8,400
1953	5/ 4/53	15.66 a	37,200	1977	4/21/77	17.42	31,800
1954	3/27/54	7.50 a	6,500	1978	11/29/77	19.24	40,700
1955	4/13/55	16.09 a	39,400	1979	4/22/79	22.02	57,400
1956	3/15/56	12.68 a	23,700	1980	3/28/80	17.65	31,400
1957	12/22/56	11.18 a	17,700	1981	3/ 4/81	16.08	22,900
1958	9/22/58	14.43 a	30,900	1982	2/16/82	15.59	20,700
1959	2/ 2/59	7.49 a	5,980	1983	4/ 5/83	19.95	43,000
1960	12/17/59	12.39 a	22,500	1984	2/12/84	17.22	28,600
1961	3/28/61	14.00 a	28,900	1985	2/25/85	14.86	18,100
1962	11/13/61	12.60 a	23,300	1986	10/29/85	18.85	41,100
1963	1/19/63	9.70 a	12,400	1987	2/27/87	17.36	35,800
1964	3/ 2/64	13.40 ab	26,500	1988	3/25/88	14.68	25,400
1965	10/ 4/64	20.19	44,800				

a Gage height at different site and (or) datum.

b Gage datum changed during the water year.

07373550 Moores Branch near Woodville, MS

LOCATION:

Lat 31°05'20", long 91°14'30", in SE 1/4 SW 1/4, sec.32, T.2 N., R.1 W., Washington Meridian, Wilkinson County, Hydrologic Unit 08070201, at State Highway 24, and 3.3 mi east of Woodville.

GAGE:

Crest-stage gage. From May 18, 1965, to Sept. 28, 1971, rain-gage and water-stage recorder also. Datum of gage is assumed.

DRAINAGE AREA: 0.21 mi<sup>2</sup> SLOPE: 49.0 ft/mi LENGTH: 0.7 mi

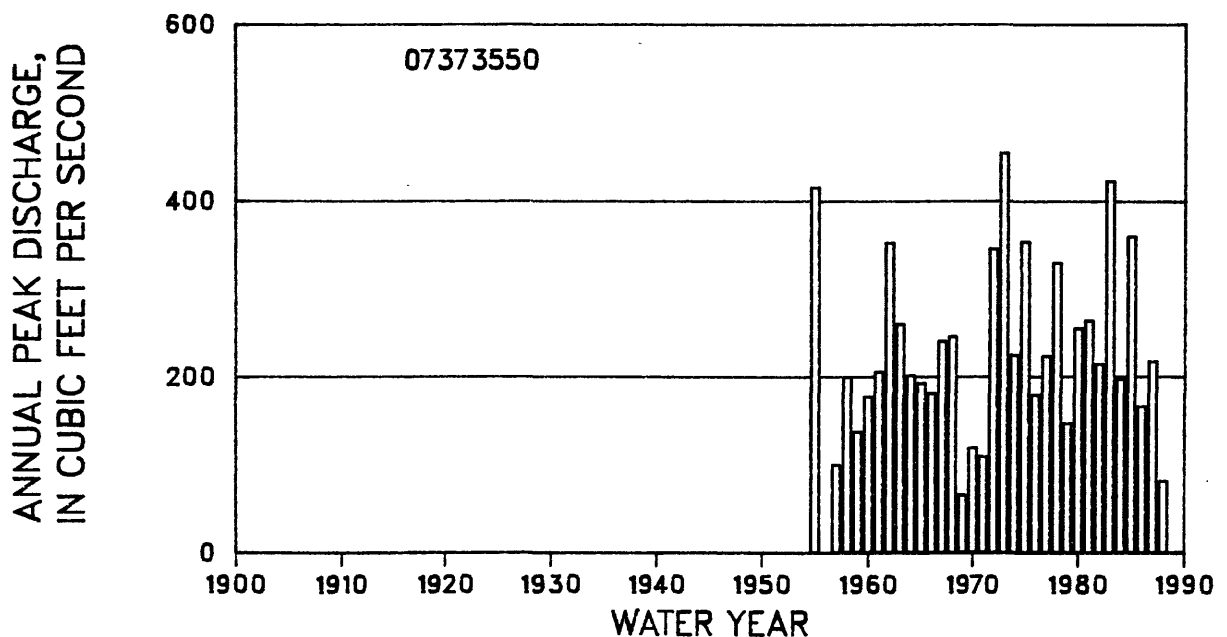
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.323  
STANDARD DEVIATION 0.203  
SKEW -0.371

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	217	314	375	448	499	548	595	655
REGIONAL	127	170	197	237	262	293	308	345
WEIGHTED	210	300	353	411	443	475	498	534

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	9	9	9	12	15	18	21	26
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	9	8	9	11	13	16	18	21

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 33

Graph of annual peak discharges is shown below.





## 07373550 Moores Branch near Woodville, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	4/12/55	9.44	416	1973	3/24/73	9.90	455
1957	12/22/56	3.14	100	1974	4/13/74	5.35	225
1958	11/13/57	4.98	200	1975	5/ 6/75	7.20	354
1959	7/24/59	3.89	138	1976	6/30/76	4.61	180
1960	12/17/59	4.58	178	1977	3/ 3/77	5.34	224
1961	3/17/61	5.05	206	1978	11/30/77	6.85	330
1962	11/13/61	7.26	353	1979	1/20/79	4.09	148
1963	1/20/63	6.25	260	1980	1/11/80	5.78	255
1964	3/ 2/64	5.10	202	1981	3/ 4/81	5.92	264
1965	3/ 1/65	4.84	193	1982	2/16/82	5.20	215
1966	9/18/66	4.65	182	1983	2/ 1/83	9.19	423
1967	4/14/67	5.58	241	1984	11/23/83	4.91	198
1968	6/ 7/68	5.65	246	1985	10/22/84	7.39	360
1969	12/ 1/68	2.40	66	1986	10/30/85	4.41	167
1970	6/ 2/70	3.54	120	1987	3/18/87	5.21	218
1971	9/16/71	3.33	110	1988	3/25/88	3.63	82
1972	3/ 2/72	7.08	346				

07375235 Tangipahoa River tributary near McComb, MS

LOCATION:

Lat 31°12'30", long 90°31'40", in NE 1/4 SE 1/4 sec.19, T.3 N., R.7 E., Pike County, Hydrologic Unit 08070205, at culvert on State Highway 24, and 4.8 mi southwest of McComb.

GAGE:

Crest-stage gage. Datum of gage is assumed. From June 21, 1965, to Sept. 28, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 2.82 mi<sup>2</sup> SLOPE: 26.3 ft/mi LENGTH: 3.0 mi

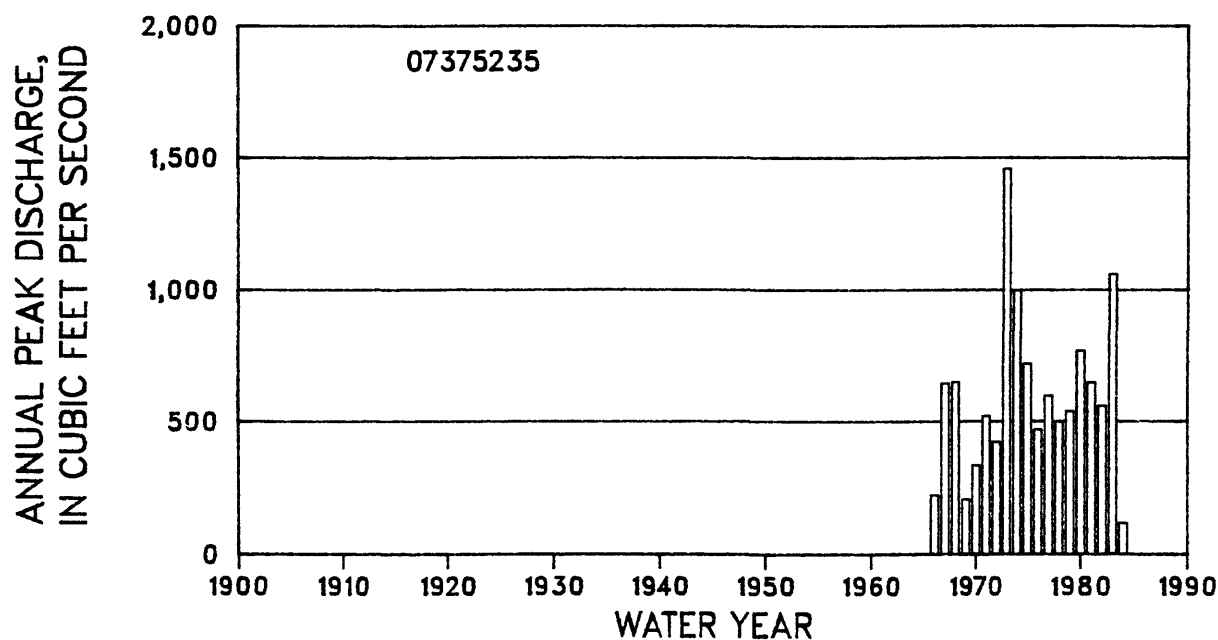
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.735  
STANDARD DEVIATION 0.225  
SKEW -0.244

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	555	843	1,040	1,280	1,470	1,650	1,830	2,070
REGIONAL	774	1,120	1,330	1,630	1,820	2,080	2,220	2,500
WEIGHTED	579	881	1,090	1,370	1,580	1,810	2,000	2,280

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	13	13	15	19	23	28	33	40
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	12	12	13	16	18	21	24	27

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 19

Graph of annual peak discharges is shown below.



## 07375235 Tangipahoa River tributary near McComb, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1966	2/15/66	6.33	224	1976	10/16/75	6.40	470
1967	4/14/67	7.60	648	1977	4/21/77	6.27	600
1968	4/ 8/68	7.62	653	1978	7/ 7/78	5.67	500
1969	3/23/69	5.45	209	1979	5/12/79	5.84	540
1970	8/ 6/70	6.19	336	1980	3/28/80	7.00	770
1971	9/16/71	7.05	522	1981	10/28/80	6.40	650
1972	12/ 6/71	6.61	424	1982	3/31/82	5.95	560
1973	3/24/73	10.23	1,460	1983	12/ 3/82	8.32	1,060
1974	4/13/74	8.00	1,000	1984	2/12/84	4.68	120
1975	5/ 6/75	7.33	720				

# 07375250 Little Tangipahoa River at Magnolia, MS

## LOCATION:

Lat 31°01'00", long 90°27'00", in N 1/2 sec. 13, T.2 N., R 7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, at State Highway 48 in Magnolia, and 3 mi upstream from mouth.

## GAGE:

Crest-stage gage. Datum of gage is 277.43 ft above sea level.

DRAINAGE AREA: 39.8 mi<sup>2</sup> SLOPE: 9.7 ft/mi LENGTH: 14.6 mi

## STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:

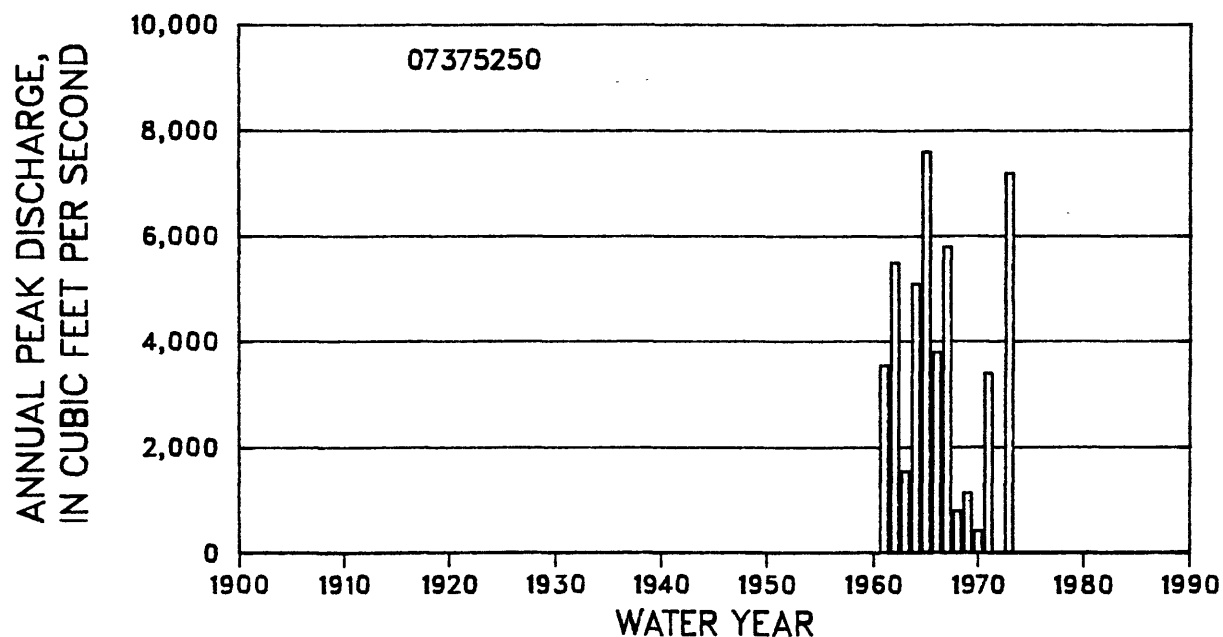
MEAN 3.437  
STANDARD DEVIATION 0.405  
SKEW -0.347

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	2,880	6,060	8,680	12,500	15,500	18,800	22,300	27,200
REGIONAL	4,020	6,210	7,670	9,620	10,900	12,700	13,900	15,800
WEIGHTED	3,330	6,130	8,130	10,600	12,000	13,900	15,200	17,200

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	30	29	32	42	52	65	80	103
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	22	21	22	24	27	29	32	35

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 12

Graph of annual peak discharges is shown below.



07375250 Little Tangipahoa River at Magnolia, MS--Continued

Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1960	5/ 5/60	20.07	--	1967	4/14/67	21.47	5,800
1961	2/22/61	20.25	3,550	1968	5/10/68	17.28	800
1962	4/28/62	21.35	5,500	1969	4/13/69	17.96	1,140
1963	1/20/63	18.59	1,550	1970	12/ 6/69	15.49	420
1964	4/26/64	21.12	5,100	1971	5/12/71	20.17	3,400
1965	10/ 4/64	22.22	7,600	1973	3/25/73	22.00	7,200 f
1966	2/10/66	20.37	3,800				

f Discharge is an historical peak.

# 07376665 Stock Pond Draw near Liberty, MS

## LOCATION:

Lat 31°10'15", long 90°45'20", in NW 1/4 SE 1/4 NE 1/4 sec.1, T.2 N., R.4 E., Washington Meridian, Amite County, Hydrologic Unit 08070202, on State Highway 24, and 3.4 mi east of Liberty.

## GAGE:

Crest-stage gage. Datum of gage is assumed. From June 9, 1965, to Oct. 1, 1973, rain-gage and water-stage recorders also.

DRAINAGE AREA: 0.38 mi<sup>2</sup> SLOPE: 56.3 ft/mi LENGTH: 1.2 mi

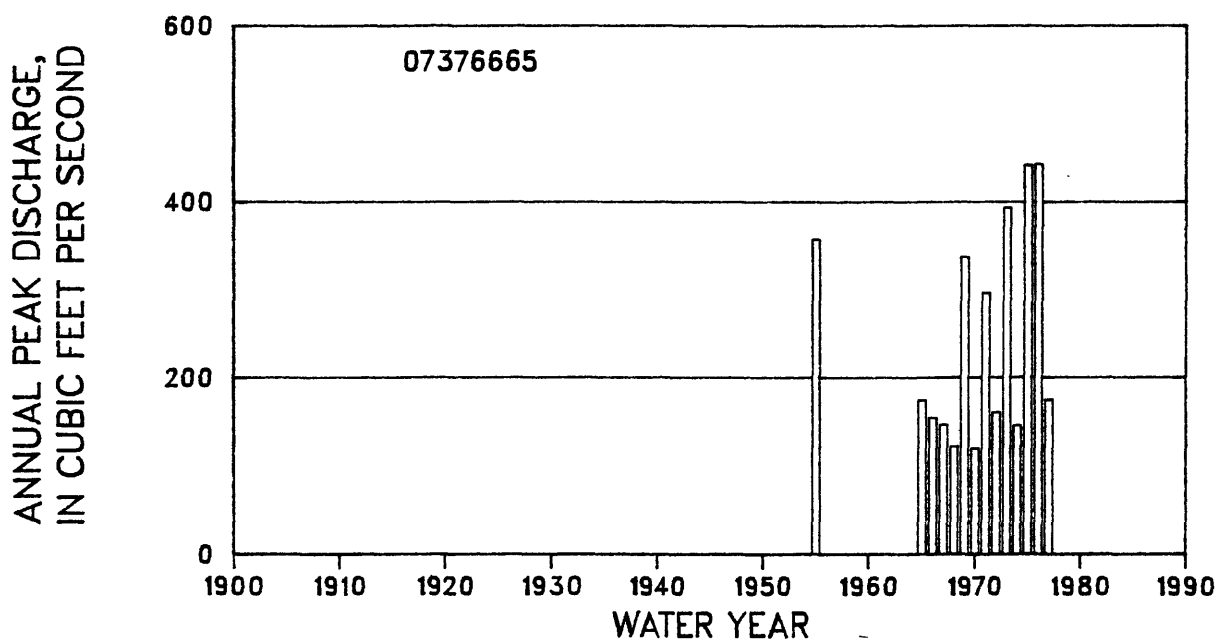
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.336  
STANDARD DEVIATION 0.223  
SKEW -0.018

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	217	334	418	531	619	711	807	940
REGIONAL	216	293	336	401	438	492	517	578
WEIGHTED	217	323	390	470	517	574	609	674

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	16	17	20	27	33	40	48	59
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	15	15	17	20	23	25	28	32

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 12

Graph of annual peak discharges is shown below.



## 07376665 Stock Pond Draw near Liberty, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	4/12/55	7.46	358 f	1971	9/16/71	6.86	297
1965	10/ 4/64	5.52	175 f	1972	5/12/72	5.35	161
1966	2/16/66	5.27	155	1973	3/24/73	7.82	394
1967	4/14/67	5.18	147	1974	4/13/74	5.16	146
1968	4/13/68	4.83	122	1975	6/ 8/75	8.07	442
1969	4/13/69	7.27	338	1976	10/16/75	8.26	443
1970	6/24/70	4.80	120	1977	4/21/77	5.52	175

f Discharge is an historical peak.

07376720 Tanyard Creek at Liberty, MS

LOCATION:

Lat 31°10'00", long 90°49'00", NW 1/4 sec.9, T.2 N., R.4 E., Washington Meridian, Amite County, Hydrologic Unit 08070202, and at bridge on State Highway 24 at western city limits of Liberty.

GAGE:

Crest-stage gage. Datum of gage is 206.31 ft above sea level.

DRAINAGE AREA: 9.92 mi<sup>2</sup> SLOPE: 14.7 ft/mi LENGTH: 7.0 mi

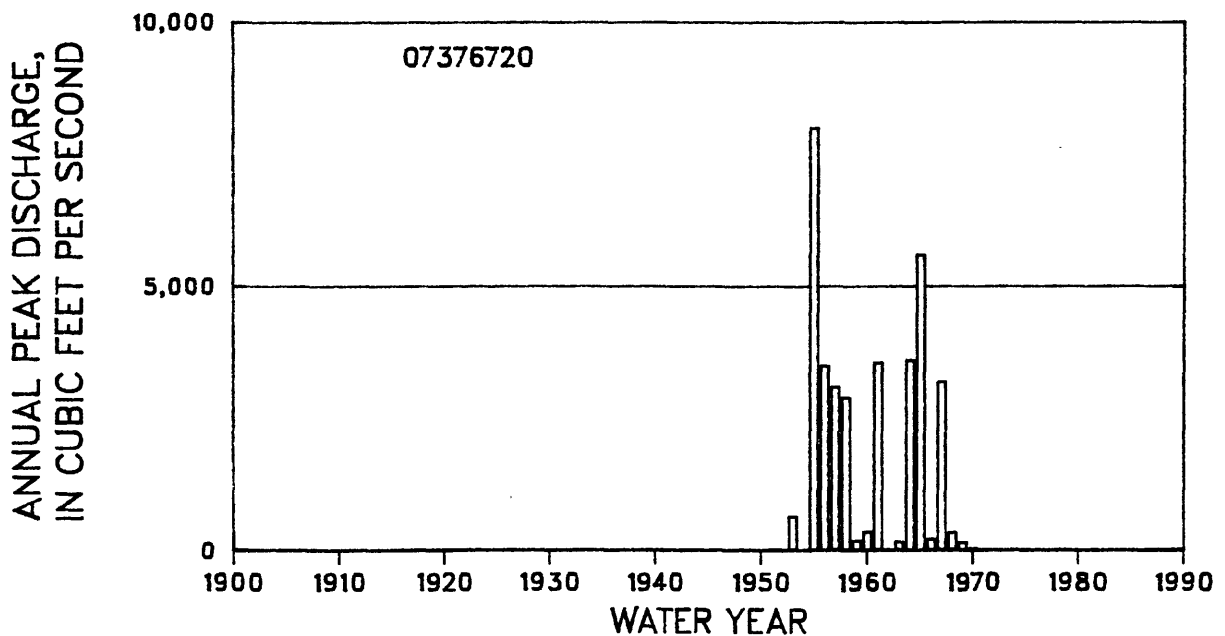
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE: MEAN 2.980  
STANDARD DEVIATION 0.678  
SKEW -0.228

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	1,010	3,600	6,760	12,900	19,400	27,600	38,000	55,400
REGIONAL	1,590	2,350	2,850	3,530	3,950	4,580	4,940	5,600
WEIGHTED	1,330	2,710	3,600	4,530	4,980	5,640	6,010	6,690

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	44	45	51	68	87	112	145	205
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	27	25	26	28	29	31	34	37

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 16

Graph of annual peak discharges is shown below.





## 07376720 Tanyard Creek at Liberty, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1953	5/ 3/53	89.57	640	1964	7/ 3/64	92.60	3,600
1955	4/13/55	94.31	8,000	1965	10/ 4/64	93.73	5,600
1956	3/15/56	92.50	3,500	1966	2/10/66	88.04	215
1957	9/27/57	92.17	3,100	1967	4/15/67	92.38	3,200
1958	9/22/58	92.04	2,900	1968	5/ 9/68	88.64	340
1959	7/ 0/59	87.81	180	1969	4/13/69	87.63	154
1960	12/17/59	88.60	350	1970	unknown	--	34 h
1961	3/29/61	92.60	3,560	1973	4/25/73	93.93	--
1963	1/20/63	87.76	165				

h Discharge less than indicated value, which is the minimum recordable discharge for this water year.

# 07376760 CRS Draw near Liberty, MS

## LOCATION:

Lat 31°06'50", long 90°54'10", in SW 1/4 NW 1/4 sec.32, T.2 N., R.3 E., Washington Meridian, Amite County, Hydrologic Unit 08070202, at culvert on State Highway 48, and 6.6 mi west from intersection with State Highway 24 in Liberty.

## GAGE:

Crest-stage gage. Datum of gage is assumed. From June 9, 1965, to Sept. 28, 1971, rain-gage and water-stage recorder also.

DRAINAGE AREA: 0.80 mi<sup>2</sup>      SLOPE: 48.5 ft/mi      LENGTH: 1.3 mi

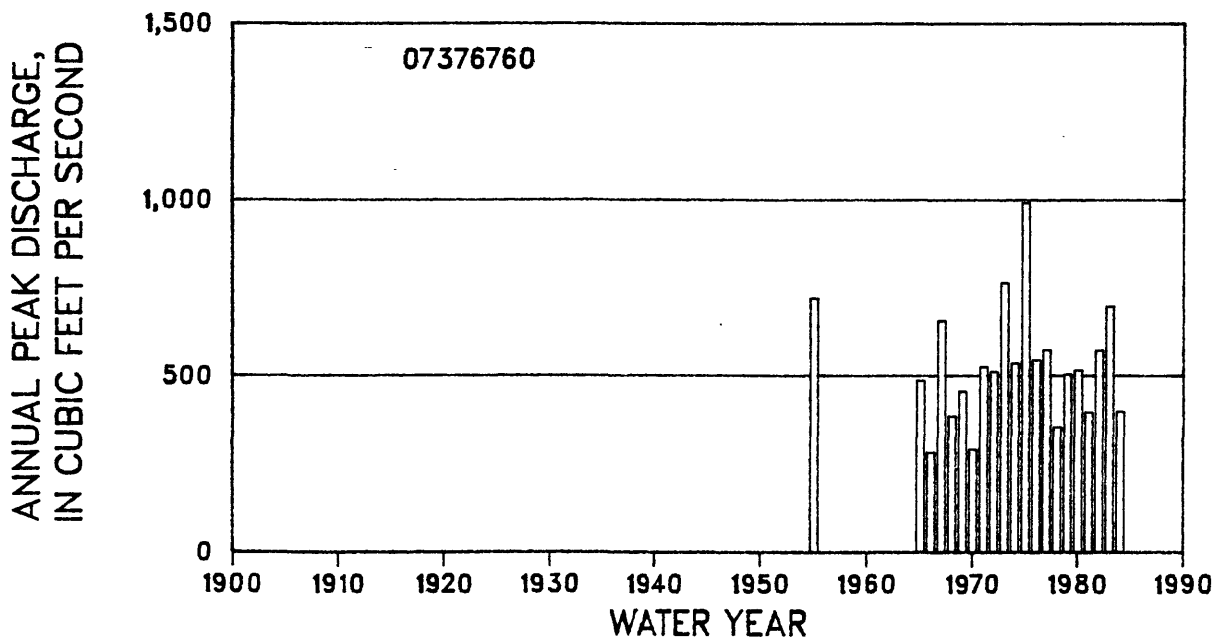
STATISTICS OF LOGARITHMS OF ANNUAL PEAK DISCHARGE:      MEAN 2.694  
STANDARD DEVIATION 0.127  
SKEW -0.105

T	ESTIMATED MAGNITUDE OF T-YEAR FLOOD, IN CUBIC FEET PER SECOND (ft <sup>3</sup> /s)							
	2	5	10	25	50	100	200	500
STATION	497	632	716	815	885	952	1,020	1,100
REGIONAL	383	536	628	765	844	951	1,000	1,120
WEIGHTED	492	626	709	809	879	952	1,020	1,110

T	STANDARD ERROR, IN PERCENT, OF T-YEAR FLOOD ESTIMATE							
	2	5	10	25	50	100	200	500
STATION	7	7	8	11	13	16	19	23
REGIONAL	35	31	30	31	32	34	36	39
WEIGHTED	7	7	8	10	12	14	16	19

EFFECTIVE RECORD LENGTH, IN YEARS, USED TO COMPUTE STANDARD ERROR OF STATION ESTIMATE: 21

Graph of annual peak discharges is shown below.



## 07376760 CRS Draw near Liberty, MS--Continued

## Peak stages and discharges

Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)	Water year	Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
1955	4/12/55	9.93	720 f	1975	6/ 8/75	11.81	993
1965	10/ 4/64	8.13	487	1976	7/15/76	8.58	545
1966	2/10/66	6.66	285	1977	4/21/77	8.80	574
1967	4/14/67	9.39	656	1978	11/30/77	7.03	356
1968	6/ 7/68	7.31	387	1979	4/12/79	8.27	505
1969	4/13/69	7.90	458	1980	3/28/80	8.36	517
1970	1/ 5/70	6.43	293	1981	10/28/80	7.25	398
1971	9/16/71	8.43	526	1982	3/31/82	8.79	573
1972	12/ 6/71	8.32	512	1983	2/ 1/83	9.69	697
1973	3/24/73	10.17	764	1984	2/12/84	7.76	400
1974	12/25/73	8.51	536				

HISTORICAL DATA: The 1975 peak is highest known since 1955.

f Discharge is an historical peak.

## SUMMARY

This report presents annual peak stages and discharges for 341 streamflow-gaging stations. Gage location, type of gage, gage datum, selected basin characteristics, descriptive statistics of logarithms of annual peak discharge, and selected flood-frequency discharges with recurrence intervals from 2 to 500 years are also presented. These data are presented to help the user better understand the hydraulic and hydrologic characteristics of flooding at a particular stream site as based on past records. To fully use the data presented in this report, the user must become aware of possible basin projects which could alter hydraulic and hydrologic characteristics of flooding at a site and could make past records unrepresentative of what the stream site may experience in the future.

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