Appendix A

Water-year peak flow and stage data at gaging stations in South Carolina through 1999

The following tables contain flood data for streamflow gaging stations in South Carolina. The tables contain a brief description of the gage location, type of gage, gage datum (if known), drainage area in square miles, period of record, extreme flows of record, a description of how the stage-discharge relation was obtained, historical data, hydrologic unit number[1], and explanatory remarks.

The log-Pearson Type III flood-frequency data using either a weighted or station skew coefficient, and adjusted for historic peaks, high and low outliers, and truncated or incomplete record, are given for most stations with 10 or more years of record.

The tables of peak stages, peak flows, and date of peaks show only the water-year maximums. Underlined data in these tables signify the following:

1. An underlined entry in the "Water year" column indicates discontinuous record.
2. An underlined entry in the "Gage height" column indicates a change in gage datum and means that the gage heights above and below the line are not comparable.
3. Underlined entries in the "Date" and "Discharge" columns indicate a change in the site location that significantly affects the stage-discharge relation.

[Lat, latitude; long, longitude; ft, feet; mi, mile; mi^2, square miles; ft^3/s, cubic feet per second; ---, data not available; a, peak stage occurred at a different time than peak discharge; b, historic peak; WSP, Water-Supply Paper]

Water year is the 12-month period beginning October 1 and ending on September 30 of any given year, and designated by the calendar year in which the water year ends.

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[1] The hydrologic unit number is determined from a set of maps developed by the U.S. Geological Survey that depict the approved boundaries of river-basin units of the United States and documented in U.S. Geological Survey Water-Supply Paper 2294 by P.R. Seaber, F.P. Kapinos, and G.L. Knapp (1987). These maps and associated codes provide a standardized base for use by water-resources organizations in locating, storing, retrieving, and exchanging hydrologic data; indexing and inventorying of hydrologic data and information; cataloging of water-data acquisition activities; and a variety of other applications.

WACCAMAW RIVER BASIN

02110500 WACCAMAW RIVER NEAR LONGS, S.C.

LOCATION.--Lat 33º54'45", long 78º42'55", Horry County, Hydrologic Unit 03040206, on the upstream side of the upstream bridge on State Highway 9, 500 ft downstream from Buck Creek, 2.1 mi southeast of Longs, and at mile 85.4.

DRAINAGE AREA.--1,110 mi^2, approximately.

PERIOD OF RECORD.--March 1950 to current year.

GAGE.--Data collection platform. Datum of gage is 5.28 ft above sea level (levels by Corps of Engineers). Prior to Aug. 11, 1967, nonrecording gage at same site and datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,200 ft^3/s on Sept. 22, 1999, gage height, 17.94 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 26,500 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
49 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 5,950
Q_5 = 9,590
Q_{10} = 12,400
Q_{25} = 16,200
Q_{50} = 19,400
Q_{100} = 22,800
Q_{200} = 26,500
Q_{500} = 31,800

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.778
Standard Deviation	=	0.244
Station Skew	=	0.076
Weighted Skew	=	0.076

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1951	Jan. 8	---a	1,860	1968	Jan. 21	10.42	2,970	1984	Apr. 5	11.50	4,800
1952	Apr. 2	10.05	2,520	1969	Aug. 13	13.26	9,440	1985	Feb. 21	11.31	4,250
1953	Mar. 15	11.50	6,360	1970	Mar. 31	11.96	6,060	1986	Aug. 27	9.94	2,150
1954	Apr. 11	10.00	2,520	1971	Mar. 12	12.85	8,300	1987	Mar. 9	12.75	7,550
1955	Sept. 29	13.82	10,300	1972	Feb. 14	12.19	6,100	1988	Jan. 26	10.12	2,440
1956	Feb. 19	9.89	2,230	1973	Feb. 20	13.10	8,620	1989	Sept. 29	10.84	3,440
1957	Mar. 15	10.38	3,780	1974	Aug. 26	12.01	5,720	1990	Oct. 4	12.01	5,660
1958	Apr. 18	12.46	7,540	1975	Feb. 25	11.27	4,240	1991	Jan. 31	11.73	5,050
1959	Mar. 13	13.40	9,760	1976	July 13	11.54	4,780	1992	Aug. 23	13.03	8,380
1960	Aug. 4	13.52	10,000	1977	Mar. 14	10.95	3,630	1993	Jan. 14	13.63	10,200
1961	July 6	13.94	11,100	1978	Jan. 28	11.92	5,540	1994	Mar. 9	11.18	3,860
1962	Mar. 16	---a	4,520	1979	Sept. 16	12.72	7,470	1995	Jan. 21	12.46	6,400
1963	Feb. 1	11.90	6,180	1980	Mar. 24	12.24	6,210	1996	Sept. 15	14.95	15,800
1964	Mar. 5	12.02	6,200	1981	Aug. 23	14.87	16,200	1997	Oct. 16	12.64	7,050
1965	Oct. 17	12.09	6,380	1982	Feb. 22	11.97	5,540	1998	Feb. 8	13.82	11,100
1966	Mar. 10	12.64	7,750	1983	Mar. 26	14.40	12,200	1999	Sept. 22	17.94	28,200
1967	Aug. 20	11.73	5,530								

PEE DEE RIVER BASIN

02130900 BLACK CREEK NEAR MCBEE, S.C.

LOCATION.-- Lat 34º30'50", long 80º11'00", Chesterfield County, Hydrologic Unit 03040201, near right bank, at downstream side of bridge on U.S. Highway 1, 0.2 mi upstream from Little Alligator Creek, 5.8 mi northeast of McBee, and at mile 59.1.

DRAINAGE AREA.--108 mi^2.

PERIOD OF RECORD.--October 1959 to current year.

GAGE.--Data collection platform. Datum of gage is 224.72 ft above sea level. Prior to December 22, 1959, nonrecording gage at same site and datum.

EXTREMES FOR PERIOD OF RECORD -- Maximum discharge, 4,500 ft^3/s, Oct. 12, 1990, gage height, 13.07 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 1,770 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
40 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 793
Q_5 = 1,180
Q_{10} = 1,480
Q_{25} = 1,910
Q_{50} = 2,270
Q_{100} = 2,650
Q_{200} = 3,080
Q_{500} = 3,700

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	2.911
Standard Deviation	=	0.198
Station Skew	=	1.077
Weighted Skew	=	0.361

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1960	Apr. 7	9.59	804	1974	Aug. 10	8.97	471	1988	Jan. 21	8.01	286
1961	Feb. 26	9.65	840	1975	July 16	11.29	1,770	1989	Mar. 26	9.57	710
1962	Mar. 13	9.76	906	1976	June 23	9.51	694	1990	Oct. 4	10.55	1,210
1963	Jan. 22	9.37	678	1977	Mar. 15	9.68	762	1991	Oct. 12	13.07	4,500
1964	Mar. 17	10.04	1,070	1978	Jan. 28	9.51	694	1992	Apr. 24	9.24	574
1965	Oct. 18	10.08	1,100	1979	Feb. 27	10.35	1,090	1993	Apr. 8	10.29	1,050
1966	Mar. 6	9.34	670	1980	Mar. 31	10.21	1,010	1994	Mar. 5	9.18	552
1967	Aug. 26	9.43	715	1981	July 5	9.47	666	1995	Dec. 25	10.05	931
1968	Jan. 13	9.27	640	1982	Jan. 6	9.51	683	1996	Oct. 7	9.47	688
1969	June 18	10.08	1,110	1983	Mar. 19	10.61	1,240	1997	July 26	10.17	991
1970	Mar. 24	8.83	411	1984	Mar. 31	9.21	563	1998	Mar. 20	10.95	1,480
1971	Aug. 19	10.44	1,120	1985	Aug. 27	9.08	517	1999	May 2	9.37	625
1972	Oct. 4	10.06	930	1986	Nov. 23	8.85	440				
1973	Apr. 2	9.80	800	1987	Mar. 2	10.03	921				

PEE DEE RIVER BASIN

02131150 CATFISH CANAL AT SELLERS, S.C.

LOCATION.--Lat 34º17'04", long 79º26'32", Marion County, Hydrologic Unit 03040201, on right downstream wingwall of culvert on State Highway 38, 2.0 mi east of Sellers, 2.3 mi upstream from Stackhouse Creek, and at mile 25.6.

DRAINAGE AREA.--27.7 mi^2.

PERIOD OF RECORD.--November 1959 to September 1992.

REVISED RECORDS.--WRD SC-77: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 75 ft above sea level (from topographic map).

REMARKS.--This is a channelized site and therefore, was not used in the regional regression.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 890 ft^3/s, Mar. 4, 1971, gage height, 9.15 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements throughout entire range of discharges.

FLOOD-FREQUENCY DATA (ft^3/s)
26 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 268
Q_5 = 406
Q_{10} = 513
Q_{25} = 663
Q_{50} = 788
Q_{100} = 924
Q_{200} = 1,070
Q_{500} = 1,290

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	2.437
Standard Deviation	=	0.208
Station Skew	=	0.125
Weighted Skew	=	0.292

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1967	June 24	3.33	67.0	1976	July 10	4.39	156	1985	Sept. 12	5.06	223
1968	Jan. 11	4.22	120	1977	Mar. 22	5.35	204	1986	Nov. 30	6.06	274
1969	Oct. 20	7.98	413	1978	Jan. 26	5.12	192	1987	Mar. 2	7.25	354
1970	Mar. 23	6.43	260	1979	Sept. 7	6.51	271	1988	Aug. 25	5.17	288
1971	Mar. 4	9.15	890	1980	Apr. 14	5.81	223	1989	Mar. 24	5.14	227
1972	Feb. 4	4.51	162	1981	Aug. 14	5.03	222	1990	Dec. 11	6.22	225
1973	Feb. 15	6.84	304	1982	June 5	5.96	269	1991	Mar. 30	6.25	228
1974	Aug. 7	8.39	557	1983	Mar. 18	9.04	830	1992	Aug. 20	7.76	439
1975	Apr. 3	6.88	308	1984	Mar. 26	6.09	275				

PEE DEE RIVER BASIN

02131309 FORK CREEK AT JEFFERSON, S.C.

LOCATION.-- Lat 34º38'19", long 80º23'20", Chesterfield County, Hydrologic Unit 03040202, on upstream side, at center of span on State Highway 151 bridge, 1.0 mi south of intersection of State Highways 265 and 151, at Jefferson.

DRAINAGE AREA. -- 24.3 mi^2.

PERIOD OF RECORD. -- August 1976 to September 1997.

GAGE. – Datum collection platform. Datum of gage is 302.68 ft above sea level.

EXTREMES FOR PERIOD OF RECORD -- Maximum discharge, 8,960 ft^3/s, Oct. 11, 1990, gage height, 13.32 ft.

STAGE-DISCHARGE RELATION -- Defined by current-meter measurements below 1,200 ft^3/s and extended on basis of slope-area computation.

FLOOD-FREQUENCY DATA (ft^3/s)
21 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 =	706
Q_5 =	1,340
Q_{10} =	1,870
Q_{25} =	2,690
Q_{50} =	3,400
Q_{100} =	4,200
Q_{200} =	5,100
Q_{500} =	6,460

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	2.851
Standard Deviation	=	0.328
Station Skew	=	1.563
Weighted Skew	=	0.038

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1977	Mar. 13	7.36	1,000	1984	Mar. 29	5.55	432	1991	Oct. 11	13.32	8,690
1978	Jan. 20	6.76	854	1985	Aug. 18	5.37	392	1992	Apr. 21	6.00	530
1979	Feb. 24	7.89	1,250	1986	Nov. 30	4.00	194	1993	Nov. 26	7.00	840
1980	Mar. 29	6.65	782	1987	Jan. 19	6.43	694	1994	July 1	6.94	820
1981	Feb. 11	4.51	256	1988	Aug. 30	5.90	522	1995	Dec. 23	6.79	772
1982	Jan. 1	5.96	539	1989	May 2	6.95	916	1996	Oct. 4	5.19	356
1983	Mar. 18	7.73	1,170	1990	Oct. 2	7.60	1,060	1997	July 24	6.03	539

PEE DEE RIVER BASIN

02131472 HANGING ROCK CREEK NEAR KERSHAW, S.C.

LOCATION.--Lat 34º30'58", long 80º34'59", Lancaster County, Hydrologic Unit 03040202, on right side, on downstream side of bridge on State Road 184, 2.1 mi south of Kershaw, and 4.0 mi upstream from mouth.

DRAINAGE AREA.--23.7 mi^2.

PERIOD OF RECORD.--October 1980 to current year.

REVISED RECORDS.--WRD SC-96-1: 1981-96 (M).

GAGE.--Data collection platform. Elevation of gage is 345 ft above sea level (from topographic map).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,760 ft^3/s, Oct. 10, 1990, gage height, 10.69 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 1,420 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
18 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 =	904
Q_5 =	1,550
Q_{10} =	2,050
Q_{25} =	2,750
Q_{50} =	3,320
Q_{100} =	3,930
Q_{200} =	4,590
Q_{500} =	5,530

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	2.954
Standard Deviation	=	0.280
Station Skew	=	0.460
Weighted Skew	=	-0.048

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1981	Feb. 11	6.70	440	1988	Aug. 29	6.67	434	1994	Aug. 16	7.62	671
1982	June 4	7.21	551	1989	Sept. 22	8.42	1,020	1995	Dec. 23	9.16	1,540
1983	Mar. 17	9.19	1,570	1990	Oct. 2	9.64	2,030	1996	Oct. 4	6.91	480
1984	Feb. 14	8.11	863	1991	Oct. 10	10.69	3,760	1997	July 24	8.72	1,200
1985	Aug. 18	9.43	1,800	1992	Apr. 21	5.95	333	1998	Mar. 19	8.55	1,090
1986	---	---	---	1993	Jan. 8	7.70	699	1999	Oct. 8	7.09	520
1987	Jan. 19	8.29	950								

02132100 TWO MILE BRANCH NEAR LAKE CITY, S.C.

LOCATION.--Lat 33°53'38", long 79°45'38", Florence County, Hydrologic Unit 03040202, on downstream side of box culvert on U.S. Highway 378 By-Pass (west) about 0.2 mi east of intersection with State Secondary Highway 278 and 1.4 mi north of Lake City.

DRAINAGE AREA.--18.4 mi^2.

PERIOD OF RECORD.--August 1975 to current year.

GAGE.--Crest-stage partial-record station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,400 ft^3/s, Dec. 24, 1994, gage height, 10.19 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 1,140 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
24 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 215
Q_5 = 476
Q_{10} = 738
Q_{25} = 1,200
Q_{50} = 1,650
Q_{100} = 2,210
Q_{200} = 2,920
Q_{500} = 4,100

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	2.349
Standard Deviation	=	0.397
Station Skew	=	0.722
Weighted Skew	=	0.249

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1976	June 28	5.15	210	1984	Mar. 31	5.01	182	1992	May 1	5.77	125
1977	Mar. 20	4.87	156	1985	Aug. 18	5.21	222	1993	Jan. 15	6.86	352
1978	Jan. 26	5.48	290	1986	Nov. 30	4.47	95.0	1994	Mar. 5	6.66	278
1979	Feb. 24	5.31	248	1987	Sept. 10	5.67	114	1995	Dec. 24	10.19	2,400
1980	Mar. 13	7.31	1,200	1988	Mar. 11	5.43	92.0	1996	Mar. 15	5.82	131
1981	July 3	4.46	102	1989	Apr. 22	4.63	43.0	1997	July 31	6.19	183
1982	Jan. 10	5.46	285	1990	Oct. 11	5.01	61.0	1998	Mar. 24	7.96	714
1983	July 10	5.73	364	1991	Oct. 17	7.65	588	1999	May 3	6.59	261

PEE DEE RIVER BASIN

02132500 LITTLE PEE DEE RIVER NEAR DILLON, S.C.

LOCATION.--Lat 34º24'17", long 79º20'25", Dillon County, Hydrologic Unit 03040204, near center of span on downstream side of bridge on State Highway 9, 1.9 mi southeast of Dillon, 3.9 mi upstream from Maple Swamp, and at mile 88.3.

DRAINAGE AREA.--524 mi^2, approximately.

PERIOD OF RECORD.--March 1939 to current year.

GAGE. – Water-stage recorder prior to Sept. 1971, crest-stage partial-record station thereafter. Datum of gage is 75.14 ft above sea level (levels by South Carolina Department of Transportation). Prior to July 31, 1967, nonrecording gage and crest-stage partial-record station at same site and datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,810 ft^3/s on Sept. 20, 1945, gage height, 14.64 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 6,030 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
60 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 2,580
Q_5 = 3,990
Q_{10} = 5,040
Q_{25} = 6,500
Q_{50} = 7,690
Q_{100} = 8,960
Q_{200} = 10,300
Q_{500} = 12,300

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.417
Standard Deviation	=	0.220
Station Skew	=	0.202
Weighted Skew	=	0.144

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1940	Feb. 13	8.45	1,080	1960	Oct. 17	11.42	4,650	1980	Mar. 13	9.69	2,320
1941	July 19	9.60	2,130	1961	Mar. 1	9.65	2,240	1981	Aug. 11	8.74	1,300
1942	Mar. 13	10.12	2,770	1962	Feb. 26	9.71	2,350	1982	Jan. 5	10.51	3,300
1943	July 12	9.46	2,020	1963	Jan. 23	10.73	3,440	1983	Apr. 10	12.38	6,130
1944	Mar. 25	9.55	2,130	1964	Feb. 22	10.44	3,050	1984	Apr. 5	10.43	3,210
1945	Sept. 20	14.64	9,810	1965	Oct. 7	12.26	5,500	1985	Sept. 19	9.98	2,660
1946	Jan. 3	9.40	2,020	1966	June 12	12.07	5,220	1986	Nov. 30	9.69	2,320
1947	Apr. 22	9.78	2,470	1967	Aug. 27	8.80	1,370	1987	Feb. 28	11.50	4,710
1948	Feb. 15	10.79	3,750	1968	Jan. 14	9.72	2,250	1988	Jan. 28	8.51	1,110
1949	Nov. 30	10.47	3,330	1969	Aug. 5	10.31	2,890	1989	Apr. 12	9.46	2,070
1950	Nov. 7	8.06	915	1970	Mar. 24	9.60	2,200	1990	Mar. 1	9.01	1,580
1951	Apr. 11	8.52	1,200	1971	Mar. 5	12.20	5,820	1991	Aug. 3	10.91	3,850
1952	Sept. 6	8.87	1,540	1972	May 20	8.56	1,150	1992	Aug. 23	9.56	2,180
1953	May 9	9.58	2,240	1973	Feb. 19	12.54	5,960	1993	Jan. 15	11.83	5,230
1954	Apr. 13	9.01	1,630	1974	Aug. 12	9.90	2,560	1994	Mar. 5	9.62	2,240
1955	Apr. 17	10.66	3,240	1975	Feb. 18	10.65	3,500	1995	Feb. 24	12.73	6,760
1956	Feb. 9	9.22	1,820	1976	Feb. 4	8.93	1,500	1996	Sept. 13	10.05	2,740
1957	June 12	---a	1,200	1977	Jan. 10	9.82	2,460	1997	Oct. 17	10.22	2,930
1958	Dec. 1	10.32	3,090	1978	Jan. 30	9.76	2,400	1998	Jan. 13	11.58	4,800
1959	Apr. 17	10.04	2,710	1979	Feb. 24	10.49	3,290	1999	Jan. 30	9.64	2,220

PEE DEE RIVER BASIN

02135300 SCAPE ORE SWAMP NEAR BISHOPVILLE, S.C.

LOCATION.--Lat 34º09'02", long 80º18'18", Lee County, Hydrologic Unit 03040205, on left bank, on downstream side of bridge on U.S. Highway 15, 0.1 mi downstream from Beaverdam Creek, 0.9 mi upstream from Seaboard Coast Line Railroad bridge, and 5.8 mi southwest of Bishopville.

DRAINAGE AREA.--96.0 mi^2.

PERIOD OF RECORD.--July 1968 to current year.

GAGE.--Data collection platform. Datum of gage is 164.53 ft above sea level.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,500 ft^3/s on Oct. 12, 1991, gage height, 11.80 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements throughout entire range of discharges.

FLOOD-FREQUENCY DATA (ft^3/s)
31 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 =	701
Q_5 =	1,180
Q_{10} =	1,570
Q_{25} =	2,180
Q_{50} =	2,700
Q_{100} =	3,310
Q_{200} =	3,990
Q_{500} =	5,050

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	2.860
Standard Deviation	=	0.257
Station Skew	=	1.154
Weighted Skew	=	0.332

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1969	Feb. 19	6.90	630	1980	Mar. 31	6.99	684	1990	Oct. 2	6.54	464
1970	Mar. 24	6.78	570	1981	Feb. 13	5.96	278	1991	Oct. 12	11.80	4,500
1971	Mar. 5	8.09	1,330	1982	Jan. 4	6.61	494	1992	Feb. 28	6.74	417
1972	Jan. 15	7.14	764	1983	Mar. 19	7.82	1,150	1993	Jan. 10	8.08	1,160
1973	June 12	7.28	848	1984	May 31	6.95	662	1994	Feb. 26	7.12	592
1974	Feb. 19	6.07	273	1985	Aug. 19	6.59	486	1995	Dec. 24	9.86	2,580
1975	Apr. 5	7.26	846	1986	Aug. 22	6.83	574	1996	Mar. 9	6.87	484
1976	June 20	6.60	490	1987	Mar. 3	7.27	786	1997	Oct. 10	7.32	774
1977	Dec. 18	6.57	478	1988	Aug. 30	7.90	1,180	1998	Jan. 10	7.49	826
1978	Apr. 28	7.02	702	1989	Sept. 26	6.86	636	1999	May 2	6.69	409
1979	Sept. 7	8.54	1,700								

02135500 BLACK RIVER NEAR GABLE, S.C.

LOCATION.--Lat 33º54'00", long 80º09'55", Sumter County, Hydrologic Unit 03040205, near left bank on downstream side of McBride Crossing on U.S. Highway 378, 1.0 mi downstream from Church Branch, 6.3 mi northwest of Gable, and at mile 123.1.

DRAINAGE AREA.--401 mi^2.

PERIOD OF RECORD.--June 1951 to June 1966, April 1972 to September 1992.

GAGE.--Water-stage recorder. Elevation of gage is 95 ft above sea level, (from topographic map). Crest-stage partial-record station Oct. 1970 to Sept. 1971 at same site and datum. Prior to Dec. 9, 1955, wire-weight gage at same site and datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,500 ft^3/s on Mar. 5, 1971, gage height, 6.82 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 10,700 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
36 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 =	2,870
Q_5 =	5,090
Q_{10} =	6,820
Q_{25} =	9,270
Q_{50} =	11,300
Q_{100} =	13,400
Q_{200} =	15,700
Q_{500} =	18,900

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.452
Standard Deviation	=	0.301
Station Skew	=	-0.449
Weighted Skew	=	-0.115

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1952	Sept. 3	5.22	4,150	1964	Sept. 1	5.80	6,650	1981	July 4	5.03	2,860
1953	Feb. 28	3.95	1,660	1965	June 16	6.10	8,300	1982	Feb. 19	4.60	2,200
1954	Dec. 17	3.30	742	1966	Mar. 6	5.13	3,830	1983	Mar. 19	5.92	4,950
1955	Apr. 18	3.26	518	1971	Mar. 5	6.82	12,500	1984	July 24	4.79	2,560
1956	Feb. 9	3.58	835	[1]1973	June 13	6.92	7,900	1985	Aug. 19	4.71	2,420
1957	Mar. 28	3.77	713	1974	Aug. 6	4.79	2,540	1986	Nov. 23	5.97	5,080
1958	Apr. 17	5.16	3,780	1975	Feb. 21	5.09	2,880	1987	Mar. 2	5.21	3,370
1959	Mar. 8	4.44	2,320	1976	June 20	5.12	3,060	1988	Sept. 3	4.24	1,750
1960	Apr. 7	5.15	3,780	1977	Dec. 16	4.46	1,840	1989	Mar. 26	4.16	1,570
1961	Aug. 6	5.08	3,670	1978	Jan. 28	4.56	2,080	1990	Oct. 4	5.95	5,150
1962	Feb. 25	4.33	2,340	1979	Sept. 7	5.68	4,320	1991	Oct. 15	6.26	5,940
1963	Jan. 23	4.45	2,520	1980	Mar. 31	4.98	2,760	1992	Aug. 22	4.87	2,840

[1]Stage-discharge relation altered by bridge construction.

PEE DEE RIVER BASIN

02136000 BLACK RIVER AT KINGSTREE, S.C.

LOCATION.--Lat 33º39'40", long 79º50'10", Williamsburg County, Hydrologic Unit 03040205, on left bank, at upstream side of bridge on U.S. Highway 52 at Kingstree, 1.0 mi downstream from Kingstree Swamp Canal, and at mile 86.7.

DRAINAGE AREA.--1,252 mi^2.

PERIOD OF RECORD.--October 1929 to current year. Gage-height records collected at same site since 1894 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1032: 1928(m), drainage area WSP 1333: 1930(m), 1931, 1936.

GAGE.--Data collection platform. Datum of gage is 25.66 ft above sea level. Prior to Nov. 7, 1934, nonrecording gage at same site and datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,000 ft^3/s on June 14, 1973, gage height, 19.77 ft.

STAGE-DISCHARGE RELATION. **--**Defined by current-meter measurements below 55,900 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
72 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 =	5,670
Q_5 =	11,200
Q_{10} =	16,200
Q_{25} =	24,300
Q_{50} =	31,800
Q_{100} =	40,700
Q_{200} =	51,300
Q_{500} =	68,200

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.766
Standard Deviation	=	0.340
Station Skew	=	0.351
Weighted Skew	=	0.219

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1893	Sept. 11	14.50	---	1929	Feb. 22	11.70	6,060	1965	Oct. 7	14.73	17,900
1894	Aug. 9	12.50	---	1930	Jan. 25	12.20	7,760	1966	Mar. 8	13.00	9,240
1895	Feb. 5	11.60	---	1931	Jan. 20	10.10	3,120	1967	Jan. 13	9.08	1,680
1896	Feb. 14	10.70	---	1932	Mar. 16	8.60	1,550	1968	June 17	10.45	3,080
1897	Feb. 15	10.30	---	1933	Feb. 19	11.20	4,600	1969	May 26	11.53	4,690
1898	Sept. 7	9.90	---	1934	June 12	6.80	908	1970	Mar. 28	12.42	6,520
1899	Feb. 21	11.60	---	1935	Sept. 17	9.83	2,510	1971	Mar. 7	15.22	23,600
1900	Apr. 26	11.90	---	1936	Apr. 13	13.07	11,800	1972	Feb. 7	12.50	7,120
1901	June 1	12.00	---	1937	Feb. 4	11.53	5,440	1973	June 14	19.77	58,000
1902	Mar. 5	10.10	---	1938	Apr. 14	12.00	6,730	1974	Feb. 22	11.22	3,860
1903	June 16	11.80	---	1939	Mar. 4	13.21	12,200	1975	Feb. 25	12.42	7,120
1904	Feb. 28	10.00	---	1940	Feb. 23	9.70	2,400	1976	July 9	12.24	6,490

1905	May 9	10.90	---	1941	July 24	11.32	5,000	1977	Mar. 18	11.43	4,260
1906	June 22	11.80	---	1942	Mar. 9	12.26	8,160	1978	Jan. 29	12.16	6,230
1907	Oct. 27	10.10	---	1943	Mar. 29	10.44	3,310	1979	Sept. 11	12.88	8,880
1908	May 3	10.40	---	1944	Mar. 27	11.93	6,680	1980	Mar. 23	12.68	8,060
1909	July 17	9.40	---	1945	Sept. 20	16.07	29,100	1981	July 12	9.09	1,520
1910	June 22	11.40	---	1946	Jan. 2	11.62	5,780	1982	Jan. 7	11.30	4,250
1911	Oct. 22	8.20	---	1947	Apr. 19	12.22	7,760	1983	Mar. 21	14.05	15,200
1912	Jan. 12	13.30	---	1948	Feb. 14	12.81	10,400	1984	Aug. 1	12.99	9,350
1913	Mar. 19	12.90	---	1949	Dec. 2	12.50	9,020	1985	Feb. 14	10.50	2,940
1914	Mar. 9	11.20	---	1950	Sept. 12	9.78	2,510	1986	Nov. 28	12.59	7,720
1915	May 16	12.70	---	1951	Apr. 9	9.63	2,300	1987	Mar. 5	12.92	9,050
1916	July 17	15.50	---	1952	Sept. 7	11.61	5,780	1988	Mar. 16	10.38	2,710
1917	Jan. 30	10.90	---	1953	Mar. 3	11.44	5,240	1989	Apr. 18	11.40	4,440
1918	May 19	12.00	---	1954	Jan. 4	9.09	1,860	1990	Oct. 9	12.62	5,070
1919	July 28	12.50	---	1955	Sept. 9	10.79	3,900	1991	Aug. 8	12.92	5,920
1920	Apr. 7	10.90	---	1956	Mar. 5	9.96	2,670	1992	Mar. 1	10.66	2,580
1921	May 22	11.10	---	1957	Mar. 29	8.92	1,590	1993	Jan. 14	14.88	16,500
1922	Mar. 14	12.70	---	1958	Apr. 19	13.54	11,800	1994	Mar. 7	12.47	5,050
1923	Oct. 25	10.20	---	1959	Mar. 9	13.58	12,000	1995	Dec. 28	15.35	22,100
1924	July 6	14.60	---	1960	Dec. 22	12.65	7,420	1996	Mar. 21	10.43	2,210
1925	Jan. 21	15.20	---	1961	Apr. 18	12.97	9,020	1997	June 11	11.80	3,440
1926	Feb. 10	9.90	---	1962	Mar. 1	11.70	5,020	1998	Feb. 7	13.40	9,480
1927	Aug. 19	10.50	---	1963	Jan. 27	11.67	4,920	1999	May 7	12.07	5,320
1928	Sept. 21	18.00	41,600	1964	Sept. 5	12.52	7,310				

02147500 ROCKY CREEK AT GREAT FALLS, S.C.

LOCATION.--Lat 34º33'45", long 80º55'00", Chester County, Hydrologic Unit 03050103, on left bank, 350 ft downstream from Turkey Branch, 1.0 mi west of Great Falls, and at mile 1.8.

DRAINAGE AREA.--194 mi^2.

PERIOD OF RECORD.--March 1951 to September 1981, October 1986 to current year.

GAGE.--Data collection platform. Elevation of gage is 299 ft above sea level (by barometer).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,300 ft^3/s on Aug. 23, 1967, gage height, 18.82 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 21,000 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
43 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 6,720
Q_5 = 10,400
Q_{10} = 13,000
Q_{25} = 16,600
Q_{50} = 19,400
Q_{100} = 22,400
Q_{200} = 25,500
Q_{500} = 29,800

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.827
Standard Deviation	=	0.224
Station Skew	=	0.321
Weighted Skew	=	0.006

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1952	Mar. 4	9.77	8,880	1967	Aug. 23	18.82	31,300	1987	Mar. 1	8.64	7,320
1953	Feb. 21	7.71	5,230	1968	July 10	9.53	9,110	1988	Nov. 28	4.86	1,790
1954	Jan. 17	8.08	5,860	1969	Apr. 19	9.94	9,930	1989	July 18	8.89	7,820
1955	Apr. 15	8.27	6,180	1970	Mar. 22	6.67	4,000	1990	Oct. 2	12.93	16,300
1956	Mar. 17	7.56	5,080	1971	Mar. 4	8.41	6,900	1991	Mar. 4	10.13	10,300
1957	Apr. 6	7.04	4,290	1972	Jan. 11	7.36	5,110	1992	Mar. 7	6.39	3,580
1958	Jan. 25	7.93	5,600	1973	Apr. 1	12.92	16,600	1993	Jan. 22	8.36	6,810
1959	Sept. 30	10.23	10,800	1974	Oct. 2	6.66	3,990	1994	Mar. 3	6.16	3,280
1960	Feb. 14	8.70	6,910	1975	Mar. 14	9.21	8,470	1995	Dec. 23	6.46	3,690
1961	Feb. 25	8.83	7,340	1976	Mar. 17	6.43	3,650	1996	Feb. 3	7.47	5,300
1962	Jan. 7	8.86	7,570	1977	Jan. 10	7.35	5,100	1997	July 24	9.94	9,920
1963	Mar. 13	8.43	6,510	1978	Oct. 26	11.62	13,300	1998	Sept. 4	9.02	8,090
1964	Mar. 15	9.29	8,490	1979	Feb. 24	7.78	5,790	1999	Jan. 24	6.04	3,120
1965	Oct. 16	10.95	13,000	1980	Mar. 29	9.02	8,090				
1966	Mar. 5	8.38	6,470	1981	Feb. 12	7.57	5,420				

SANTEE RIVER BASIN

02148300 COLONELS CREEK NEAR LEESBURG, S.C.

LOCATION.--Lat 34º00'25", long 80º43'58", Richland County, Hydrologic Unit 03050104, at bridge on State Highway 262, 0.2 mi above Jumping Run Creek, 1.9 mi southwest of Leesburg, and at mile 8.0.

DRAINAGE AREA.--40.2 mi^2.

PERIOD OF RECORD.--September 1966 to September 1980.

GAGE.--Water-stage recorder. Datum of gage is 157.97 ft above sea level.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 494 ft^3/s, on June 10, 1973, gage height, 5.28 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 350 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
13 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 255
Q_5 = 353
Q_{10} = 422
Q_{25} = 513
Q_{50} = 585
Q_{100} = 658
Q_{200} = 736
Q_{500} = 843

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	2.413
Standard Deviation	=	0.163
Station Skew	=	0.853
Weighted Skew	=	0.218

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1967	Aug. 11	7.78	[1]---	1972	Jan. 14	4.28	216	1977	Dec. 12	4.56	285
1968	Jan. 11	4.07	173	1973	June 10	5.28	494	1978	Jan. 26	4.07	174
1969	Oct. 20	4.13	273	1974	Jan. 2	4.17	194	1979	Sept. 5	5.27	491
1970	Mar. 22	4.13	186	1975	Apr. 3	4.28	216	1980	Nov. 3	4.46	257
1971	Mar. 3	5.06	428	1976	July 6	4.30	220				

[1] Discharge published in WRI 82-1 of 1,350 ft^3/s was determined by a stage-discharge rating exceeding 300 percent and may be unreliable.

SANTEE RIVER BASIN

02154500 NORTH PACOLET RIVER AT FINGERVILLE, S.C.

LOCATION.--Lat 35º07'15", long 81º59'10", Spartanburg County, Hydrologic Unit 03050105, on right bank at McMillin Mill, about 400 ft downstream from Obed Creek, 1.4 mi south of Fingerville, and at mile 48.5.

DRAINAGE AREA.--116 mi^2.

PERIOD OF RECORD.--April 1930 to current year. Monthly discharge only for some periods, published in WSP-1303.

GAGE.--Data collection platform. Datum of gage is 715.56 ft above sea level. From November 26, 1929, to November 24, 1933, recording gage at site about 400 ft downstream at datum 5.60 ft higher.

REMARKS.--Some diurnal fluctuation at low and medium flow caused by mill above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,500 ft^3/s, on August 14, 1940, gage height, 27.13 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 4,210 ft^3/s and extended on basis of peak flow over dam 2.0 mi above station.

FLOOD-FREQUENCY DATA (ft^3/s)
67 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 3,020
Q_5 = 5,020
Q_{10} = 6,440
Q_{25} = 8,330
Q_{50} = 9,780
Q_{100} = 11,300
Q_{200} = 12,800
Q_{500} = 14,800

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.470
Standard Deviation	=	0.271
Station Skew	=	-0.301
Weighted Skew	=	-0.243

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1931	Dec. 7	---	872	1954	Jan. 23	15.96	5,040	1977	Oct. 9	18.79	6,370
1932	Dec. 15	---	2,120	1955	Feb. 7	8.28	1,840	1978	Jan. 26	9.32	2,180
1933	Oct. 17	---	6,820	1956	Apr. 16	7.88	1,690	1979	Sept. 30	12.73	3,540
1934	Mar. 4	12.00	2,100	1957	Apr. 6	10.28	2,620	1980	---	---	---
1935	July 19	---a	1,760	1958	Apr. 29	12.25	3,480	1981	Oct. 1	5.27	608
1936	Apr. 7	19.77	6,120	1959	May 26	18.64	6,680	1982	---	---	---
1937	Oct. 17	21.23	7,290	1960	Mar. 31	12.54	3,200	1983	Apr. 10	7.67	1,540
1938	Oct. 19	17.48	5,400	1961	June 22	14.80	4,330	1984	Feb. 14	13.12	3,700
1939	Aug. 19	10.65	2,480	1962	Dec. 13	13.08	3,480	1985	Aug. 18	10.46	2,640
1940	Aug. 14	27.13	12,500	1963	Mar. 13	14.45	4,010	1986	Aug. 18	11.33	2,980
1941	July 17	8.51	1,540	1964	Aug. 10	9.41	2,440	1987	Mar. 1	18.76	6,350
1942	Feb. 17	11.35	2,700	1965	Oct. 5	25.60	11,200	1988	Jan. 20	5.65	731
1943	Jan. 28	10.16	2,200	1966	Feb. 14	12.75	3,550	1989	Mar. 24	6.04	869
1944	Mar. 29	9.70	1,620	1967	Aug. 24	15.19	4,480	1990	Feb. 17	12.08	3,280
1945	Sept. 17	13.90	3,780	1968	Feb. 13	9.79	2,370	1991	Mar. 30	11.50	3,050
1946	Jan. 7	17.12	5,040	1969	Sept. 4	10.60	2,690	1992	June 12	7.54	1,470
1947	June 15	12.30	3,110	1970	Nov. 2	6.56	1,070	1993	May 5	12.61	3,490
1948	Feb. 13	7.30	1,370	1971	Oct. 31	8.92	2,020	1994	Aug. 18	16.43	5,010
1949	Nov. 29	13.74	3,780	1972	June 21	14.85	4,350	1995	Aug. 28	21.37	8,160
1950	Oct. 7	16.70	5,150	1973	May 29	14.77	4,320	1996	Jan. 27	13.22	3,740
1951	Dec. 8	9.91	2,320	1974	Apr. 5	9.71	2,330	1997	Dec. 2	10.33	2,580
1952	Mar. 4	12.69	3,880	1975	Mar. 14	14.77	4,320	1998	Jan. 8	12.20	3,330
1953	Feb. 21	10.01	2,360	1976	Oct. 17	10.45	2,630	1999	April 1	5.89	822

SANTEE RIVER BASIN

02157000 NORTH TYGER RIVER NEAR FAIRMONT, S.C.

LOCATION.--Lat 34º55'45", long 82º02'40", Spartanburg County, Hydrologic Unit 03050107, on left bank 80 ft downstream from Frey Creek, 2.2 mi north of Fairmont, and at mile 57.9.

DRAINAGE AREA.--44.4 mi^2.

PERIOD OF RECORD.--October 1950 to September 1988.

GAGE--Water-stage recorders and concrete control. Datum of gage is 680 ft above sea level (from topographic map).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,610 ft^3/s, on May 26, 1959, gage height, 13.58 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 2,100 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
38 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 =	1,350
Q_5 =	2,160
Q_{10} =	2,720
Q_{25} =	3,440
Q_{50} =	3,980
Q_{100} =	4,510
Q_{200} =	5,050
Q_{500} =	5,770

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.118
Standard Deviation	=	0.254
Station Skew	=	-0.477
Weighted Skew	=	-0.287

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1951	Dec. 7	8.38	1,510	1964	Apr. 8	8.57	1,640	1977	Oct. 9	11.30	2,420
1952	Dec. 21	10.55	2,280	1965	Oct. 5	11.64	2,560	1978	Nov. 6	12.70	3,050
1953	Feb. 21	4.91	722	1966	Mar. 4	9.72	1,930	1979	Feb. 26	6.21	1,100
1954	Jan. 22	7.15	1,170	1967	Aug. 24	4.44	748	1980	May 24	6.53	1,170
1955	May 22	8.68	1,650	1968	June 10	6.92	1,240	1981	June 3	3.17	493
1956	Apr. 16	9.10	1,790	1969	Apr. 19	9.99	2,000	1982	Jan. 4	8.30	1,580
1957	Apr. 5	3.06	466	1970	Feb. 16	3.05	470	1983	Mar. 27	3.51	562
1958	Nov. 19	8.18	1,480	1971	Feb. 23	4.86	832	1984	Feb. 14	6.80	1,220
1959	May 26	13.58	3,610	1972	June 21	9.89	1,970	1985	Aug. 17	3.57	574
1960	Sept. 7	9.13	1,790	1973	Sept. 14	10.35	2,100	1986	Nov. 1	4.43	746
1961	Feb. 21	9.26	1,820	1974	Jan. 1	4.51	762	1987	Mar. 1	9.09	1,770
1962	Dec. 12	8.08	1,410	1975	Mar. 13	10.10	2,030	1988	Jan. 20	2.69	397
1963	Mar. 6	12.48	3,090	1976	Oct. 18	9.13	1,780				

SANTEE RIVER BASIN

02157500 MIDDLE TYGER RIVER AT LYMAN, S.C.

LOCATION.--Lat 34º56'35", long 82º08'00", Spartanburg County, Hydrologic Unit 03050107, on left bank 200 ft upstream from bridge on State Highway 292 at Lyman, 600 ft downstream from Southern Railway bridge, and 0.8 mi northeast of Duncan.

DRAINAGE AREA.--68.3 mi^2.

PERIOD OF RECORD.--October 1937 to December 1967 and October 1970 to current year.

GAGE.--Digital water-stage recorder prior to December 1967, crest-stage partial-record station thereafter. Datum of gage is 776.05 ft above sea level. Prior to February 16, 1965, graphic water-stage recorder at same site and datum.

REMARKS.--Some regulation at low to medium flows by reservoir 5.7 mi above station.

EXTREMES FOR PERIOD OF RECORD. -- Maximum discharge, 4,800 ft^3/s, on August 14, 1940, gage height, 16.16 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 2,850 ft^3/s and extended on basis of computation of peak flow over dam.

FLOOD-FREQUENCY DATA (ft^3/s)
47 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 2,560
Q_5 = 3,260
Q_{10} = 3,680
Q_{25} = 4,150
Q_{50} = 4,480
Q_{100} = 4,780
Q_{200} = 5,080
Q_{500} = 5,440

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.403
Standard Deviation	=	0.130
Station Skew	=	-0.714
Weighted Skew	=	-0.270

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1939	Aug. 18	9.28	2,730	1959	May 26	10.36	3,070	1981	---	---	---
1940	Aug. 14	16.16	4,800	1960	Mar. 31	7.89	2,240	1982	Feb. 3	9.54	2,770
1941	July 18	4.89	945	1961	Aug. 25	7.82	2,240	1983	---	---	---
1942	Feb. 17	9.71	2,860	1962	Dec. 12	11.21	3,310	1984	Feb 14	9.36	2,690
1943	Jan. 28	8.34	2,380	1963	Mar. 6	12.56	3,730	1985	Aug. 17	10.54	3,110
1944	Mar. 20	7.64	2,120	1964	Apr. 8	8.37	2,300	1986	---	---	---
1945	July 16	8.08	2,310	1965	Oct. 5	12.12	3,590	1987	Mar. 1	11.45	3,380
1946	Jan. 7	12.39	3,670	1966	Mar. 5	9.53	2,760	1988	---	---	---
1947	Jan. 21	6.91	1,840	1967	Aug. 24	7.88	2,110	1989	---	---	---
1948	Aug. 5	11.16	3,310	1971	May 13	5.51	1,150	1990	---	---	---
1949	Nov. 29	10.78	3,190	1972	June 21	10.64	3,140	1991	Mar. 29	8.56	2,370
1950	Oct. 7	6.29	1,580	1973	May 28	11.21	3,310	1992	---	---	---
1951	Dec. 8	6.53	1,660	1974	Jan. 1	7.56	1,970	1993	---	---	---
1952	Mar. 23	10.42	3,070	1975	Mar. 15	10.15	3,000	1994	Aug. 17	11.90	3,520
1953	Feb. 21	6.92	1,840	1976	Oct. 18	7.30	1,870	1995	Jan. 14	9.99	2,950
1954	Jan. 23	8.74	2,520	1977	Oct. 9	11.80	3,490	1996	Jan. 27	9.05	2,570
1955	Feb. 7	5.96	1,440	1978	Nov. 6	13.48	3,990	1997	---	---	---
1956	Apr. 16	7.67	2,160	1979	---	---	---	1998	Jan. 8	8.08	2,180
1957	Apr. 6	6.58	1,710	1980	May 20	8.27	2,260	1999	---	---	---
1958	Apr. 29	7.20	1,960								

SANTEE RIVER BASIN

02158000 NORTH TYGER RIVER NEAR MOORE, S.C.

LOCATION.--Lat 34º48'10", long 81º57'57", Spartanburg County, Hydrologic Unit 03050107, on right bank at Ott Shoals, 2.0 mi upstream from Wards Creek, 2.6 mi southeast of Moore, and 5.3 mi upstream from confluence with South Tyger River.

DRAINAGE AREA.--162 mi^2.

PERIOD OF RECORD.--October 1933 to September 1978. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Digital water-stage recorder prior to January 4, 1968, crest-stage partial-record station October 1970 to September 1978. Datum of gage is 564.79 ft above sea level. Prior to February 17, 1965, graphic water-stage recorder at same site and datum.

REMARKS.--Some regulation at low flow by powerplants above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,300 ft^3/s, on August 14, 1940, gage height, 7.15 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 7,740 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
41 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 3,770
Q_5 = 5,980
Q_{10} = 7,550
Q_{25} = 9,630
Q_{50} = 11,200
Q_{100} = 12,900
Q_{200} = 14,600
Q_{500} = 16,800

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.571
Standard Deviation	=	0.243
Station Skew	=	-0.087
Weighted Skew	=	-0.148

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1935	Aug. 25	3.43	2,010	1949	Nov. 29	4.78	4,800	1963	Mar. 6	5.54	6,720
1936	Apr. 7	6.15	8,640	1950	Oct. 7	6.01	8,120	1964	Apr. 8	4.98	5,220
1937	Oct. 16	5.68	7,160	1951	Dec. 8	3.28	1,950	1965	Oct. 5	5.31	5,930
1938	Oct. 20	5.54	6,680	1952	Mar. 24	4.89	5,030	1966	Mar. 5	4.17	3,450
1939	Aug. 19	3.52	2,240	1953	Feb. 22	3.43	2,160	1967	Aug. 25	3.47	1,880
1940	Aug. 14	7.15	12,300	1954	Jan. 23	4.19	3,510	1971	Oct. 30	3.23	1,580
1941	July 17	2.53	1,080	1955	May 23	3.34	2,020	1972	June 21	4.96	4,900
1942	Feb. 18	4.23	3,610	1956	Apr. 16	3.81	2,750	1973	Sept. 15	4.94	4,850
1943	Jan. 29	4.48	4,130	1957	Apr. 7	2.92	1,460	1974	Jan. 1	3.50	1,950
1944	Mar. 21	3.89	2,930	1958	Nov. 19	3.80	2,750	1975	Mar. 15	5.08	5,240
1945	Sept. 18	4.00	3,120	1959	May 26	5.30	6,020	1976	Oct. 18	3.95	2,700
1946	Jan. 8	5.21	5,760	1960	Feb. 6	3.93	3,020	1977	Oct. 9	6.14	8,600
1947	Jan. 21	3.46	2,160	1961	Feb. 21	4.78	4,800	1978	Nov. 6	5.34	6,020
1948	Aug. 6	4.27	3,610	1962	Dec. 13	4.47	4,020				

SANTEE RIVER BASIN

02158500 SOUTH TYGER RIVER NEAR REIDVILLE, S.C.

LOCATION.--Lat 34º52'35", long 82º05'10", Spartanburg County, Hydrologic Unit 03050107, on left bank 0.4 mi upstream from bridge on State Highway 296, 1.2 mi downstream from Berry Shoals, 1.8 mi northeast of Reidville, and 4 mi upstream from Bens Creek.

DRAINAGE AREA.--106 mi^2.

PERIOD OF RECORD.--April 1934 to September 1978.

GAGE.--Digital water-stage recorder prior to December 5, 1968, crest-stage partial-record station October 1970 to September 1978. Datum of gage is 626.28 ft above sea level. Prior to August 4, 1964, graphic water-stage recorder at same site and datum.

REMARKS.--Some regulation at low and medium flow by powerplants above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,420 ft^3/s, on October 7, 1949, gage height, 14.23 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 5,600 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
41 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 2,480
Q_5 = 3,760
Q_{10} = 4,660
Q_{25} = 5,830
Q_{50} = 6,720
Q_{100} = 7,640
Q_{200} = 8,580
Q_{500} = 9,860

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.391
Standard Deviation	=	0.218
Station Skew	=	0.040
Weighted Skew	=	-0.096

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1935	Aug. 24	11.05	4,150	1949	Nov. 28	9.51	3,760	1963	Mar. 6	11.00	4,490
1936	Apr. 6	13.66	6,080	1950	Oct. 7	14.23	6,420	1964	Apr. 7	8.33	2,980
1937	Oct. 16	9.68	3,880	1951	Dec. 7	4.88	1,320	1965	Oct. 5	9.29	3,520
1938	Oct. 19	10.77	4,330	1952	Mar. 24	9.76	3,930	1966	Sept. 14	7.42	2,510
1939	Aug. 19	5.90	1,820	1953	Feb. 22	5.44	1,570	1967	Aug. 25	5.70	1,650
1940	Aug. 13	12.68	5,510	1954	Jan. 22	7.73	2,780	1971	Oct. 30	4.72	1,200
1941	July 19	4.17	982	1955	May 23	6.59	2,190	1972	Oct. 16	5.13	1,390
1942	Feb. 18	7.41	2,610	1956	Apr. 16	6.82	2,300	1973	Sept. 14	5.80	1,700
1943	Jan. 28	7.86	2,880	1957	Apr. 6	4.28	1,020	1974	Jan. 1	5.55	1,580
1944	Mar. 20	5.82	1,770	1958	Nov. 19	6.35	2,080	1975	Mar. 15	9.48	3,640
1945	Sept. 18	5.19	1,450	1959	May 26	4.94	1,320	1976	Oct. 18	8.62	3,140
1946	Jan. 7	9.52	3,760	1960	Mar. 31	6.08	1,870	1977	Oct. 9	11.32	4,740
1947	Jan. 21	5.29	1,520	1961	Feb. 21	7.97	2,840	1978	Nov. 6	7.88	2,740
1948	Aug. 5	5.06	1,420	1962	Dec. 13	8.16	2,950				

02159000 SOUTH TYGER RIVER NEAR WOODRUFF, S.C.

LOCATION.--Lat 34º45'21", long 81º56'19", Spartanburg County, Hydrologic Unit 03050107, on left bank at Chesnee Shoals, 0.5 mi upstream from confluence with North Tyger River and 5.8 mi east of Woodruff.

DRAINAGE AREA.--174 mi^2.

PERIOD OF RECORD.--October 1933 to September 1978. Monthly discharge only for some periods, published in WSF 1303.

GAGE.--Water-stage recorder prior to September 1971, crest-stage partial-record station thereafter. Datum of gage is 508.35 ft above sea level.

REMARKS.--Some regulation at low and medium flow by powerplants above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,510 ft^3/s, on April 6, 1936, gage height, 9.78 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 7,670 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
44 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 2,930
Q_5 = 4,760
Q_{10} = 6,120
Q_{25} = 7,970
Q_{50} = 9,440
Q_{100} = 11,000
Q_{200} = 12,600
Q_{500} = 14,800

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.463
Standard Deviation	=	0.254
Station Skew	=	0.079
Weighted Skew	=	-0.077

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1935	Aug. 25	4.89	2,260	1950	Oct. 7	9.25	8,490	1965	Oct. 16	6.32	4,280
1936	Apr. 6	9.78	9,510	1951	Dec. 8	3.91	1,040	1966	Mar. 5	5.61	3,220
1937	Oct. 16	8.83	8,080	1952	Mar. 24	6.72	4,740	1967	Aug. 25	---	1,800
1938	Oct. 20	5.85	3,660	1953	Feb. 23	4.62	1,800	1968	June 9	4.98	2,310
1939	Feb. 28	4.82	1,960	1954	Jan. 23	5.40	2,930	1969	Apr. 16	5.13	2,520
1940	Aug. 14	8.18	6,960	1955	May. 24	4.52	1,670	1970	Apr. 1	3.72	906
1941	Nov. 13	3.92	1,050	1956	Mar. 16	4.97	2,280	1971	Mar. 3	4.98	2,310
1942	June 10	5.33	2,910	1957	Apr. 7	3.80	950	1972	Oct. 17	5.12	2,510
1943	Jan. 28	5.90	3,540	1958	Nov. 19	5.20	2,640	1973	Sept. 15	4.62	1,850
1944	Mar. 20	5.30	2,640	1959	May 25	5.10	2,500	1974	Jan. 1	4.52	1,720
1945	Sept. 18	5.61	3,020	1960	Feb. 6	5.19	2,640	1975	Mar. 15	6.86	5,090
1946	Jan. 8	6.31	4,140	1961	Feb. 21	6.31	4,250	1976	Mar. 17	5.70	3,350
1947	Jan. 20	4.79	2,220	1962	Dec. 13	5.70	3,360	1977	Oct. 9	8.62	7,730
1948	Mar. 7	4.27	1,360	1963	Mar. 6	7.92	6,650	1978	Nov. 6	5.90	3,650
1949	Nov. 29	5.45	2,860	1964	Apr. 8	7.37	5,860				

SANTEE RIVER BASIN

02159500 TYGER RIVER NEAR WOODRUFF, S.C.

LOCATION.--Lat 34º45'15", long 81º55'30", Spartanburg County, Hydrologic Unit 03050107, on left bank at upstream side of Nesbitts bridge on State Highway 49, 0.5 mi downstream from confluence of North Tyger and South Tyger Rivers and 6.5 mi east of Woodruff.

DRAINAGE AREA.--351 mi^2.

PERIOD OF RECORD.--October 1929 to September 1956.

GAGE.--Water-stage recorder. Datum of gage is 489.44 ft above sea level.

REMARKS.--Some regulation at low and medium flow by powerplants above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,000 ft^3/s (estimated) on October 2, 1929, gage height, 19.1 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood on June 6, 1903, reached a stage of 20.4 ft, from floodmark set by local resident, at site 0.3 mi below gage; that in August 1928, 20.0 ft (present site); that in September 1929, 14.65 ft, from flood marks (discharge, 19,600 ft^3/s).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 14,000 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
28 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 6,720
Q_5 = 12,000
Q_{10} = 16,200
Q_{25} = 22,200
Q_{50} = 27,300
Q_{100} = 32,900
Q_{200} = 39,000
Q_{500} = 47,800

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.827
Standard Deviation	=	0.298
Station Skew	=	0.418
Weighted Skew	=	-0.013

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1903	June 6	20.40	---	1937	Oct. 16	11.48	14,700	1947	Jan. 21	5.49	4,290
1928	Aug. --	20.00	---	1938	Oct. 20	9.30	10,600	1948	Aug. 6	5.98	4,800
1929	Sept. --	14.65	19,600	1939	Aug. 18	5.46	3,830	1949	Nov. 29	8.88	8,740
1930	Oct. 2	19.10	28,000	1940	Aug. 14	13.27	19,200	1950	Oct. 7	12.72	17,200
1931	May 22	5.05	2,430	1941	Nov. 13	4.50	2,220	1951	Dec. 8	5.17	3,000
1932	Jan. 8	6.01	4,350	1942	Feb. 18	6.11	5,450	1952	Mar. 24	8.97	10,000
1933	Oct. 17	7.60	7,840	1943	Jan. 28	7.59	7,780	1953	Feb. 22	5.40	3,710
1934	Mar. 5	5.57	3,540	1944	Mar. 20	6.40	5,270	1954	Jan. 23	6.56	5,990
1935	Aug. 25	5.99	4,350	1945	Sept. 18	7.39	6,580	1955	May 23	5.16	3,230
1936	Apr. 6	13.16	17,100	1946	Jan. 8	8.48	9,680	1956	Apr. 17	5.99	4,800

SANTEE RIVER BASIN

02160000 FAIRFOREST CREEK NEAR UNION, S.C.

LOCATION.--Lat 34º40'45", long 81º41'25", Union County, Hydrologic Unit 03050107, on right bank at downstream side of bridge on State Highway 49, 0.3 mi downstream from Buffalo Creek, 4.3 mi southwest of Union, and at mile 7.5.

DRAINAGE AREA.--183 mi^2.

PERIOD OF RECORD.--June 1940 to current year.

GAGE.--Water-stage recorder prior to September 1971. Crest-stage partial-record station thereafter. Datum of gage is 393.91 ft above sea level.

REMARKS.--Discharge includes some water diverted from South Pacolet River Reservoir, which is discharged into the stream after use.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,700 ft^3/s, on October 9, 1976, gage height, 9.43 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 5,800 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
58 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 3,930
Q_5 = 6,000
Q_{10} = 7,360
Q_{25} = 9,040
Q_{50} = 10,200
Q_{100} = 11,400
Q_{200} = 12,600
Q_{500} = 14,100

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.581
Standard Deviation	=	0.231
Station Skew	=	-0.760
Weighted Skew	=	-0.344

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1940	Aug. 14	7.15	6,200	1960	Feb. 7	5.40	2,950	1980	Mar. 29	6.07	4,040
1941	July 17	6.80	5,500	1961	Feb. 22	6.53	4,960	1981	Oct. 1	4.90	2,050
1942	Feb. 17	5.91	3,720	1962	Apr. 12	5.78	3,520	1982	Jan. 4	5.57	3,050
1943	July 9	6.08	4,060	1963	Mar. 7	7.37	6,640	1983	Mar. 18	5.36	2,700
1944	Mar. 20	6.69	5,280	1964	Apr. 8	7.83	7,720	1984	Dec. 7	5.81	3,500
1945	Sept. 18	6.94	5,780	1965	Oct. 16	7.53	6,980	1985	Aug. 17	6.50	4,900
1946	Jan. 8	5.25	2,720	1966	Mar. 4	5.69	3,380	1986	Nov. 1	6.81	5,520
1947	Jan. 20	5.75	3,480	1967	Aug. 24	6.42	4,740	1987	Mar. 1	7.22	6,340
1948	Mar. 7	5.07	2,460	1968	Jan. 11	5.60	3,250	1988	Jan. 22	4.05	1,130
1949	Nov. 29	7.61	7,180	1969	Sept. 4	6.85	5,600	1989	Mar. 25	4.56	1,610
1950	Oct. 8	6.42	4,740	1970	Mar. 22	4.43	1,640	1990	Oct. 2	6.32	4,540
1951	Oct. 20	3.90	1,200	1971	Mar. 3	6.33	4,560	1991	Oct. 13	8.94	10,900
1952	Mar. 4	6.56	5,020	1972	June 22	6.04	3,980	1992	Mar. 8	4.43	1,450
1953	May 2	5.52	3,130	1973	Apr. 1	7.46	6,820	1993	Oct. 10	5.33	2,660
1954	Jan. 17	5.77	3,500	1974	Jan. 1	5.75	3,400	1994	June 7	6.54	4,980
1955	Feb. 6	5.13	2,540	1975	Mar. 15	6.94	5,780	1995	Aug. 28	7.63	7,220
1956	Mar. 17	5.55	3,180	1976	Oct. 18	4.98	2,150	1996	---	---	---
1957	Apr. 9	3.77	1,010	1977	Oct. 9	9.43	11,700	1997	---	---	---
1958	Nov. 19	5.91	3,720	1978	Jan. 27	5.86	3,620	1998	Mar. 8	6.73	5,360
1959	Sept. 30	5.98	3,860	1979	Apr. 14	6.71	5,320	1999	Oct. 5	3.46	722

SANTEE RIVER BASIN

02160105 TYGER RIVER NEAR DELTA, S.C.

LOCATION.--Lat 34º32'07", long 81º32'54", Union County, Hydrologic Unit 03050107, on upstream side of bridge on State Highway 72 and 121, 0.9 mi downstream from Seaboard Coast Line Railroad, 0.8 mi southeast of Delta, and at mile 9.0.

DRAINAGE AREA.--759 mi^2.

PERIOD OF RECORD.--October 1973 to current year.

GAGE.--Data collection platform. Elevation of gage is 300 ft above sea level (from topographic map).

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,500 ft^3/s, on October 11, 1976, gage height, 26.31 ft (from flood marks).

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 26,300 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
25 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 10,700
Q_5 = 16,900
Q_{10} = 21,500
Q_{25} = 27,600
Q_{50} = 32,500
Q_{100} = 37,500
Q_{200} = 42,800
Q_{500} = 50,200

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	4.028
Standard Deviation	=	0.238
Station Skew	=	0.334
Weighted Skew	=	-0.044

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1974	Jan. 2	14.88	7,700	1983	Mar. 18	14.69	7,540	1992	Feb. 28	13.88	6,550
1975	Mar. 15	20.36	17,500	1984	May 8	16.24	9,630	1993	Nov. 27	16.01	9,310
1976	Mar. 17	15.69	8,900	1985	Aug. 19	16.35	9,790	1994	Aug. 19	15.86	9,100
1977	Oct. 11	26.31	37,500	1986	Nov. 22	17.62	11,700	1995	Aug. 29	23.29	26,300
1978	Jan. 27	17.74	11,900	1987	Mar. 2	20.25	17,200	1996	Feb. 3	16.54	10,100
1979	Apr. 14	18.55	13,300	1988	Jan. 21	11.00	3,680	1997	July 25	16.43	9,940
1980	Mar. 29	18.39	13,000	1989	July 17	14.15	6,880	1998	Mar. 10	17.99	12,500
1981	Oct. 1	13.55	6,190	1990	Oct. 2	17.95	12,200	1999	Feb. 3	11.25	3,870
1982	---	---	---	1991	Oct. 14	24.01	28,500				

02160500 ENOREE RIVER NEAR ENOREE, S.C.

LOCATION.--Lat 34º36'38", long 81º54'35", Spartanburg County, Hydrologic Unit 03050108, on left bank 60 ft upstream from bridge on State Highway 49, 0.75 mi upstream from Warrior Creek, 4.0 mi southeast of Enoree, and at mile 47.7.

DRAINAGE AREA.--307 mi^2.

PERIOD OF RECORD.--August 1929 to September 1993.

GAGE.--Water-stage recorder prior to September 1976. Crest-stage partial-record station thereafter. Datum of gage is 448.13 ft above sea level. Prior to November 20, 1929, nonrecording gage at same site and datum.

REMARKS.--Some regulation at low and medium flow by power plants above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,000 ft^3/s, on October 2, 1929, gage height, 10.5 ft (from floodmark).

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 20,200 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
64 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 =	6,300
Q_5 =	10,000
Q_{10} =	12,700
Q_{25} =	16,300
Q_{50} =	19,200
Q_{100} =	22,100
Q_{200} =	25,200
Q_{500} =	29,500

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.796
Standard Deviation	=	0.242
Station Skew	=	0.035
Weighted Skew	=	-0.074

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1930	Oct. 2	10.50	30,000	1952	Mar. 25	5.82	8,960	1973	Sept. 14	6.49	11,100
1931	May 22	3.76	3,100	1953	Feb. 22	4.29	4,110	1974	Jan. 2	4.48	4,060
1932	Dec. 4	5.29	7,100	1954	Jan. 17	5.00	6,120	1975	Mar. 14	6.40	10,700
1933	Oct. 17	6.04	9,500	1955	Feb. 7	4.23	4,010	1976	Oct. 19	4.69	4,540
1934	June 5	4.58	5,400	1956	Mar. 17	4.86	5,670	1977	Oct. 9	7.09	13,700
1935	Aug. 25	5.70	8,430	1957	Mar. 1	3.53	2,350	1978	Jan. 27	5.22	6,130
1936	Apr. 7	7.86	17,200	1958	Nov. 19	5.12	6,430	1979	Apr. 26	5.50	7,140
1937	Oct. 16	7.14	13,800	1959	May 25	4.19	3,810	1980	Mar. 29	4.92	5,160
1938	Oct. 20	5.86	8,960	1960	Feb. 6	4.91	5,970	1981	Oct. 1	3.80	2,780
1939	Aug. 18	4.35	4,270	1961	Feb. 22	5.70	8,600	1982	Jan. 5	5.62	7,600
1940	Aug. 14	6.86	12,800	1962	Dec. 13	5.52	7,740	1983	Mar. 18	4.19	3,420
1941	July 10	3.68	2,690	1963	Mar. 7	6.76	12,600	1984	May 7	5.23	6,170
1942	Feb. 17	4.82	5,520	1964	Apr. 8	6.95	13,200	1985	Feb. 4	4.09	3,210
1943	Jan. 29	5.52	7,740	1965	Oct. 16	5.57	7,980	1986	Nov. 22	4.06	3,150
1944	Mar. 20	5.43	7,570	1966	Mar. 5	5.30	7,070	1987	Mar. 1	7.04	13,500
1945	Sept. 18	5.11	6,430	1967	Feb. 18	3.99	3,250	1988	Jan. 22	3.58	2,170
1946	Jan. 7	5.85	8,960	1968	June 8	4.50	4,650	1989	May 11	5.77	8,180
1947	Jan. 20	4.96	5,970	1969	Jan. 21	5.17	5,940	1990	Oct. 2	5.10	5,720
1948	May 28	4.30	4,140	1970	Mar. 22	3.61	2,080	1991	Oct. 13	5.87	8,580
1949	Nov. 29	6.18	10,200	1971	Mar. 3	5.05	5,530	1992	Mar. 8	4.35	3,770
1950	Oct. 8	6.93	13,000	1972	June 21	5.91	8,740	1993	Oct. 10	5.34	6,530
1951	Dec. 8	3.44	1,960								

02160700 ENOREE RIVER AT WHITMIRE, S.C.

LOCATION.--Lat 34º30'33", long 81º35'54", Union County-Newberry County Line, Hydrologic Unit 03050108, on left bank, at upstream side of bridge on U.S. Highway 176, 0.4 mi downstream from Seaboard Coast Line Railroad, 0.5 mi northeast of Whitmire, and at mile 19.2.

DRAINAGE AREA.--444 mi^2.

PERIOD OF RECORD.--October 1973 to current year.

GAGE.--Data collection platform. Datum of gage is 300.00 ft above sea level.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,200 ft^3/s, on August 28, 1995, gage height, 37.32 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 24,700 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
26 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 =	6,090
Q_5 =	10,100
Q_{10} =	13,100
Q_{25} =	17,500
Q_{50} =	21,100
Q_{100} =	25,000
Q_{200} =	29,200
Q_{500} =	35,200

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.787
Standard Deviation	=	0.257
Station Skew	=	0.908
Weighted Skew	=	0.067

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1974	Jan. 3	24.11	3,980	1983	Mar. 28	23.36	3,710	1992	Feb. 28	23.94	4,130
1975	Mar. 15	28.92	10,800	1984	May 8	25.70	5,920	1993	Nov. 27	25.70	5,920
1976	Mar. 18	24.76	4,860	1985	Feb. 4	22.93	3,420	1994	Aug. 19	24.94	5,040
1977	Oct. 10	32.58	19,700	1986	Nov. 22	24.58	4,690	1995	Aug. 28	37.32	31,200
1978	Jan. 27	26.20	6,540	1987	Mar. 2	27.86	8,760	1996	Feb. 4	25.98	5,580
1979	Apr. 15	26.45	6,790	1988	Jan. 22	21.41	2,530	1997	July 25	29.73	10,900
1980	Mar. 29	26.43	6,760	1989	Mar. 25	23.96	4,140	1998	Mar. 10	27.19	7,020
1981	Oct. 2	21.54	2,510	1990	Oct. 2	26.98	7,470	1999	Feb. 3	22.62	2,970
1982	Jan. 5	26.23	6,560	1991	Oct. 13	29.67	12,300				

02162010 CEDAR CREEK NEAR BLYTHEWOOD, S.C.

LOCATION.--Lat 34°11'44", long 81°06'13", Richland County, Hydrologic Unit 03050106, on right bank, at downstream side of bridge on State Road 59, 0.2 mi above Williams Branch, 8.0 mi southwest of Blythewood, and at mile 6.9.

DRAINAGE AREA.--48.9 mi^2.

PERIOD OF RECORD.--December 1966 to September 1983; February 1985 to September 1996.

GAGE.--Water-stage recorder. Elevation of gage is 240 ft above sea level (from topographic map).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,870 ft^3/s, on July 4, 1968, gage height, 18.42 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 4,300 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
29 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 =	2,470
Q_5 =	3,760
Q_{10} =	4,610
Q_{25} =	5,640
Q_{50} =	6,380
Q_{100} =	7,090
Q_{200} =	7,780
Q_{500} =	8,660

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.378
Standard Deviation	=	0.232
Station Skew	=	-1.265
Weighted Skew	=	-0.385

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1967	Aug. 23	9.34	1,890	1977	Mar. 13	15.97	3,990	1987	Jan. 19	13.53	2,550
1968	July 4	18.42	4,870	1978	May 9	14.01	3,250	1988	Apr. 11	6.23	689
1969	Apr. 16	16.30	4,060	1979	Jan. 23	15.03	3,560	1989	Mar. 24	12.95	2,480
1970	Mar. 22	11.29	2,300	1980	Mar. 29	13.76	3,110	1990	Oct. 2	12.07	2,150
1971	Mar. 3	12.81	2,830	1981	Feb. 11	12.34	2,630	1991	Oct. 23	16.25	3,920
1972	Jan. 11	8.55	1,460	1982	Jan. 1	14.17	3,260	1992	Feb. 25	7.42	812
1973	Feb. 3	16.03	3,960	1983	Mar. 17	16.22	4,000	1993	Nov. 26	13.14	2,560
1974	Apr. 5	9.14	1,640	1984	---	---	---	1994	Mar. 2	8.01	943
1975	July 15	13.26	2,990	1985	June 30	5.28	436	1995	Dec. 23	16.91	4,250
1976	Mar. 16	12.24	2,630	1986	Mar. 19	8.86	1,360	1996	Mar. 7	12.34	2,240

02162350 MIDDLE SALUDA RIVER NEAR CLEVELAND, S.C.

LOCATION.--Lat 35º07'12", long 82º32'16", Greenville County, Hydrologic Unit 03050109, on right bank, downstream side of bridge at State Road 41, 3.9 mi north of Cleveland, and 5.0 mi east of Caesars Head.

DRAINAGE AREA.--21.0 mi^2.

PERIOD OF RECORD.--October 1980 to current year.

GAGE.--Data collection platform. Elevation of gage is 1,078 ft above sea level (from topographic map).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,190 ft^3/s, on June 11, 1986, gage height, 11.21 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 1,110 ft^3/s and graphically extended on basis of contracted-opening measurement of peak flow.

FLOOD-FREQUENCY DATA (ft^3/s)
19 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 =	1,590
Q_5 =	2,820
Q_{10} =	3,770
Q_{25} =	5,080
Q_{50} =	6,120
Q_{100} =	7,220
Q_{200} =	8,370
Q_{500} =	9,980

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.190
Standard Deviation	=	0.307
Station Skew	=	-0.224
Weighted Skew	=	-0.198

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1981	Mar. 30	4.44	458	1988	Apr. 4	5.79	984	1994	Aug. 17	9.40	3,480
1982	May 31	5.68	934	1989	June 16	4.95	633	1995	Aug. 27	7.12	1,790
1983	Jan. 21	8.71	2,820	1990	Mar. 17	7.44	1,900	1996	Nov. 11	6.65	1,510
1984	May 3	5.07	678	1991	Mar. 29	8.13	2,380	1997	Dec. 1	7.66	2,140
1985	Aug. 17	6.73	1,470	1992	Aug. 28	5.50	925	1998	Jan. 7	9.33	3,420
1986	June 11	11.21	5,190	1993	Mar. 23	7.98	2,370	1999	Apr. 1	4.54	520
1987	Dec. 3	8.94	3,000								

02162500 SALUDA RIVER NEAR GREENVILLE, S.C.

LOCATION.--Lat 34º50'32", long 82º28'51", Pickens County, Hydrologic Unit 03050109, on right bank 700 ft upstream from bridge on State Road 124, 1.6 mi downstream from Saluda Lake Dam, 2.4 mi upstream from Georges Creek, 4.6 mi west of City Hall in Greenville, and at mile 132.0.

DRAINAGE AREA.--295 mi^2.

PERIOD OF RECORD.--January 1942 to September 1978, October 1980 to current year.

GAGE.--Water-stage recorder until 1978, crest-stage partial-record station from October 1980 to January 1990, and data collection platform from February 1990 to current year. Elevation of gage is 797.48 ft above sea level.

REMARKS.--Some regulation at low and medium flow by the power plant at Saluda Lake. Capacity of reservoirs insufficient to affect monthly figures of runoff. Some flow is diverted above station for City of Greenville water supply during water year. City of Greenville began diverting water from Saluda River (Table Rock Reservoir) in 1930; supplemented by North Saluda Reservoir in 1961.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,000 ft^3/s, Oct. 7, 1949, gage height, 19.38 ft.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 7,540 ft^3/s and extended on basis of computation of peak flow over the dam at Saluda Lake.

FLOOD-FREQUENCY DATA (ft^3/s)
55 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 4,630
Q_5 = 6,630
Q_{10} = 7,930
Q_{25} = 9,560
Q_{50} = 10,800
Q_{100} = 11,900
Q_{200} = 13,100
Q_{500} = 14,600

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.661
Standard Deviation	=	0.189
Station Skew	=	-0.152
Weighted Skew	=	-0.172

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1942	Feb. 17	11.63	5,980	1962	Dec. 12	12.04	6,220	1985	Aug. 17	7.38	3,680
1943	Dec. 30	11.01	5,620	1963	Mar. 6	10.43	5,260	1986	Nov. 30	5.23	2,020
1944	Mar. 30	8.37	4,060	1964	Apr. 8	9.57	4,760	1987	Mar. 2	11.60	6,430
1945	Mar. 27	6.26	2,740	1965	Oct. 5	18.14	10,100	1988	Aug. 5	5.47	2,240
1946	Jan. 8	14.48	7,720	1966	Feb. 14	10.62	5,390	1989	June 23	5.41	2,180
1947	Jan. 20	7.42	3,460	1967	Aug. 24	14.19	7,530	1990	Mar. 17	14.25	7,790
1948	Aug. 5	6.87	3,140	1968	Mar. 13	7.46	3,500	1991	Mar. 30	6.34	2,900
1949	July 13	12.12	6,280	1969	Apr. 18	9.23	4,770	1992	Feb. 26	7.80	4,000
1950	Oct. 7	19.38	11,000	1970	Aug. 8	5.95	2,580	1993	Mar. 24	8.55	4,530
1951	Dec. 8	6.76	3,080	1971	Oct. 30	5.54	2,290	1994	Aug. 18	14.78	8,080
1952	Mar. 23	10.94	5,560	1972	June 21	9.86	5,380	1995	Aug. 27	15.59	8,550
1953	Feb. 22	8.87	4,360	1973	May 28	12.63	6,960	1996	Jan. 27	10.70	5,920
1954	Jan. 23	15.05	8,040	1974	Jan. 1	7.56	3,830	1997	Dec. 2	8.75	4,670
1955	Feb. 7	7.85	3,700	1975	Mar. 14	13.78	7,540	1998	Jan. 9	12.28	6,790
1956	Apr. 16	7.38	3,460	1976	May 30	8.01	4,160	1999	Apr. 1	5.38	2,140
1957	Apr. 6	9.62	4,780	1977	Mar. 30	11.38	6,310				
1958	Apr. 29	6.65	2,970	1978	Jan. 26	9.15	4,950				
1959	June 1	7.65	3,580	1981	Oct. 1	5.11	1,900				
1960	Mar. 31	7.56	3,520	1982	Feb. 3	8.32	4,370				
1961	June 23	15.43	8,300	1984	Dec. 11	8.43	4,450				

02163000 SALUDA RIVER NEAR PELZER, S.C.

LOCATION.--Lat 34º40'05", long 82º27'55", Anderson County, Hydrologic Unit 03050109, on right bank, 0.4 mi downstream from Hurricane Creek, 1.9 mi north of Pelzer, and at mile 114.2.

DRAINAGE AREA.--405 mi^2.

PERIOD OF RECORD.--December 1929 to 1993.

GAGE.--Crest-stage partial-record station 1972-93. Elevation of gage is 727.75 ft above sea level.

REMARKS.--Some regulation at low and medium flow by a power plant above the station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,600 ft^3/s, Oct. 7, 1949, gage height, 10.53 ft.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 11,300 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
62 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 6,270
Q_5 = 8,790
Q_{10} = 10,400
Q_{25} = 12,400
Q_{50} = 13,800
Q_{100} = 15,100
Q_{200} = 16,400
Q_{500} = 18,200

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.790
Standard Deviation	=	0.181
Station Skew	=	-0.292
Weighted Skew	=	-0.237

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1930	Oct. 2	6.88	9,400	1952	Mar. 24	7.40	8,370	1974	Apr. 5	5.10	4,500
1931	May 22	3.90	2,750	1953	Feb. 22	5.82	5,720	1975	Mar. 15	7.72	8,720
1932	Dec. 15	5.08	4,900	1954	Jan. 24	7.89	9,220	1976	Jan. 28	5.62	5,290
1933	Oct. 17	6.39	7,990	1955	Feb. 7	5.28	4,920	1977	Mar. 30	7.80	8,860
1934	Mar. 5	5.80	6,460	1956	Apr. 16	5.88	5,880	1978	---	---	---
1935	Jan. 10	5.54	5,760	1957	Apr. 6	5.75	5,720	1979	Apr. 26	6.57	6,810
1936	Apr. 7	10.26	13,300	1958	Apr. 29	5.25	4,760	1980	Jan. 18	5.92	5,770
1937	Jan. 3	8.00	9,390	1959	June 1	4.97	4,440	1981	Oct. 1	6.09	6,040
1938	Oct. 19	8.54	10,200	1960	Mar. 31	5.43	5,080	1982	Feb. 3	6.20	6,220
1939	Aug. 20	6.24	6,360	1961	June 23	7.87	9,220	1983	---	---	---
1940	Aug. 14	8.31	9,920	1962	Dec. 13	8.11	9,560	1984	Dec. 12	5.60	5,260
1941	July 9	3.76	2,540	1963	Mar. 6	8.53	10,200	1985	Aug. 17	5.03	4,400
1942	Feb. 17	6.66	7,180	1964	Apr. 8	8.60	10,200	1986	Nov. 30	3.85	2,640
1943	Jan. 28	6.49	6,840	1965	Oct. 6	9.63	12,000	1987	Mar. 1	7.50	8,350
1944	Mar. 20	5.78	5,720	1966	Mar. 4	6.62	6,890	1988	Jan. 20	4.26	3,240
1945	Mar. 27	4.57	3,720	1967	Aug. 25	7.46	8,280	1989	June 20	3.98	2,820
1946	Jan. 7	8.63	10,400	1968	Dec. 12	5.32	4,830	1990	Mar. 18	8.38	9,850
1947	Jan. 20	5.75	5,720	1969	Apr. 18	7.86	8,960	1991	Mar. 31	4.95	4,280
1948	Aug. 6	4.28	3,340	1970	Aug. 9	4.00	2,850	1992	Feb. 26	5.72	5,450
1949	Nov. 29	7.37	8,270	1971	Mar. 3	4.52	3,630	1993	Mar. 27	5.68	5,390
1950	Oct. 7	10.53	13,600	1972	June 21	6.24	6,280				
1951	Dec. 8	4.76	4,120	1973	May 29	6.16	6,160				

02163500 SALUDA RIVER NEAR WARE SHOALS, S.C.

LOCATION.--Lat 34º23'30", long 82º13'25", Greenwood County, Hydrologic Unit 03050109, on downstream side of U.S. Highway 25 bridge, 1.4 mi southeast of Ware Shoals, 1.8 mi downstream from Ware Shoals Dam, 5.7 mi upstream from Turkey Creek, and at mile 84.4

DRAINAGE AREA.--581 mi^2.

PERIOD OF RECORD.--March 1939 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Data collection platform. Elevation of gage is 447 ft above sea level (by barometer). Prior to October 1, 1997, at site 0.7 mi downstream at datum 1.0 ft higher.

REMARKS.--Some regulation at low and medium flow by power plants upstream. Capacity of reservoirs insufficient to affect monthly figures of runoff. City of Greenville began diverting water from Saluda River (Table Rock Reservoir) in 1930; supplemented by North Saluda Reservoir in 1961.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,900 ft^3/s, Aug. 27, 1995, gage height, 22.95 ft.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 16,100 ft^3/s and extended by indirect computation of peak flow over dam.

FLOOD-FREQUENCY DATA (ft^3/s)
61 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 =	8,970
Q_5 =	13,500
Q_{10} =	16,400
Q_{25} =	20,000
Q_{50} =	22,600
Q_{100} =	25,200
Q_{200} =	27,600
Q_{500} =	30,800

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.941
Standard Deviation	=	0.221
Station Skew	=	-0.530
Weighted Skew	=	-0.333

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1939	Aug. 18	14.29	10,500	1960	Oct. 11	11.37	5,970	1981	Oct. 1	6.02	2,660
1940	Aug. 13	20.48	20,600	1961	Feb. 22	17.91	12,600	1982	Jan. 4	15.38	9,510
1941	July 7	9.27	5,010	1962	Dec. 13	18.52	13,600	1983	Apr. 10	9.24	4,390
1942	Mar. 21	13.87	8,300	1963	Mar. 6	21.12	17,600	1984	Dec. 6	14.81	8,910
1943	Jan. 18	18.18	15,300	1964	Apr. 8	20.63	16,700	1985	Aug. 18	9.08	4,290
1944	Mar. 20	16.45	11,700	1965	Oct. 5	18.17	13,000	1986	Nov. 30	7.25	3,270
1945	Sept. 13	10.99	5,970	1966	Mar. 4	16.06	10,300	1987	Mar. 2	15.67	9,840
1946	Jan. 7	17.71	14,300	1967	Aug. 25	---	12,000	1988	Jan. 21	7.69	3,490
1947	Jan. 20	13.25	7,880	1968	July 10	18.16	12,900	1989	Mar. 24	7.94	3,620
1948	July 16	10.48	5,410	1969	Jan. 20	17.06	11,500	1990	Mar. 18	17.03	12,000
1949	Nov. 29	19.12	16,500	1970	Mar. 22	7.04	2,840	1991	Mar. 31	9.25	4,740
1950	Oct. 8	18.45	14,900	1971	Mar. 3	16.38	10,700	1992	Feb. 26	11.48	6,380
1951	Dec. 8	9.11	4,740	1972	Jan. 10	15.96	10,200	1993	Nov. 26	13.44	8,130
1952	Mar. 24	19.20	14,100	1973	Sept. 14	22.85	20,700	1994	Aug. 19	14.66	9,360
1953	Feb. 21	13.59	8,180	1974	Jan. 1	14.36	8,460	1995	Aug. 27	22.95	20,900
1954	Jan. 24	15.34	9,700	1975	Sept. 18	17.42	12,000	1996	May 25	16.00	10,700
1955	Feb. 7	12.38	7,090	1976	Mar. 16	13.87	7,980	1997	Mar. 1	14.80	9,500
1956	Sept. 26	14.61	9,080	1977	Oct. 9	16.47	10,800	1998	Apr. 17	19.91	14,300
1957	Apr. 7	11.27	5,830	1978	Jan. 26	15.92	10,100	1999	Feb. 2	8.27	3,500
1958	Nov. 19	16.48	10,400	1979	Feb. 25	15.05	9,150				
1959	June 2	9.92	5,070	1980	Mar. 28	14.36	8,460				

02165000 REEDY RIVER NEAR WARE SHOALS, S.C.

LOCATION.--Lat 34º25'02", long 82º09'10", Laurens County, Hydrologic Unit 03050109, on downstream side of State Road 36 bridge, 5.5 mi northeast of Ware Shoals, 6.0 mi downstream from Boyd Mill Dam, and at mile 8.7.

DRAINAGE AREA.--236 mi^2.

PERIOD OF RECORD.--April 1939 to current year.

REVISED RECORDS.--WSP 892: 1939. WSP 922: Drainage area. WSP 1723: 1940, 1943, 1948-49, 1952(M). WSP 1904: 1940, 1943, 1946, 1949, 1952. WDR-SC-77-1: Drainage area. WDR-SC-78-1: Drainage area.

GAGE.--Data collection platform. Datum of gage is 453.86 ft above sea level. Prior to Oct. 1, 1977, at site 4.1 mi upstream at datum 26.76 ft higher.

REMARKS.--Some regulation at low and medium flow by power plants above station. Capacity of reservoirs insufficient to affect monthly figures of runoff. Diversion into basin by City of Greenville above station 02163500.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,000 ft^3/s, Sept. 14, 1973, gage height, 15.40 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 9,990 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
60 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 4,220
Q_5 = 6,500
Q_{10} = 8,070
Q_{25} = 10,100
Q_{50} = 11,600
Q_{100} = 13,200
Q_{200} = 14,800
Q_{500} = 16,800

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.618
Standard Deviation	=	0.229
Station Skew	=	-0.177
Weighted Skew	=	-0.184

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1940	Aug. 14	13.32	9,410	1960	Oct. 11	5.76	3,620	1980	Mar. 29	12.23	4,210
1941	July 17	4.40	2,380	1961	Feb. 22	11.18	7,940	1981	Feb. 12	7.64	1,390
1942	Feb. 18	6.50	4,270	1962	Dec. 13	10.97	7,800	1982	Jan. 5	13.86	5,120
1943	Jan. 19	9.69	6,960	1963	Mar. 7	14.92	10,600	1983	Mar. 28	8.60	2,100
1944	Mar. 21	7.41	4,840	1964	Apr. 9	11.84	8,390	1984	Dec. 7	12.55	4,370
1945	Sept. 17	4.64	2,580	1965	Oct. 6	7.54	5,320	1985	Feb. 2	8.84	2,280
1946	Jan. 8	10.44	7,380	1966	Mar. 5	6.94	4,830	1986	Nov. 30	7.56	1,560
1947	Jan. 21	5.48	3,470	1967	Jan. 9	4.45	2,370	1987	Mar. 2	13.96	5,080
1948	Mar. 8	4.74	2,680	1968	July 10	8.31	5,920	1988	Jan. 21	8.06	1,740
1949	Nov. 29	10.64	7,520	1969	Apr. 20	7.22	5,150	1989	Mar. 25	8.86	2,290
1950	Oct. 8	7.56	5,370	1970	Mar. 23	3.58	1,600	1990	Mar. 18	14.51	5,350
1951	Sept. 8	4.28	2,220	1971	Mar. 3	5.66	3,820	1991	Oct. 24	9.34	2,600
1952	Mar. 5	8.60	6,120	1972	June 22	11.20	7,940	1992	Feb. 27	9.83	2,890
1953	Feb. 22	5.31	3,200	1973	Sept. 14	15.40	11,000	1993	Dec. 18	11.47	3,780
1954	Jan. 17	7.12	4,960	1974	Jan. 2	5.63	3,790	1994	Aug. 18	12.31	4,250
1955	Feb. 8	5.02	2,960	1975	Mar. 14	11.38	8,070	1995	Aug. 28	18.71	9,980
1956	Sept. 27	6.29	3,970	1976	Oct. 19	5.58	3,740	1996	Mar. 7	12.72	4,530
1957	Apr. 6	3.87	1,830	1977	Oct. 9	9.67	6,870	1997	Mar. 2	12.90	4,640
1958	Nov. 20	7.88	5,600	1978	Oct. 27	12.90	4,020	1998	Apr. 17	15.26	6,200
1959	Sept. 9	4.15	2,130	1979	Apr. 14	13.71	4,950	1999	Feb. 2	8.26	1,900

SANTEE RIVER BASIN

02165200 SOUTH RABON CREEK NEAR GRAY COURT, S.C.

LOCATION.--Lat 34º31'12", long 82º09'26", Laurens County, Hydrologic Unit 03050109, at left bank, 125 ft upstream from U.S. Highway 76, 2.5 mi upstream from North Rabon Creek and 7.0 mi southwest of Gray Court.

DRAINAGE AREA.--29.5 mi^2.

PERIOD OF RECORD.--January 1967 to September 1981, May 1990 to current year

GAGE.--Data collection platform. Datum of gage is 547.37 ft above sea level. Prior to May 1990, water-stage recorder at datum 1.00 foot higher.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,100 ft^3/s, Sept. 14, 1973, gage height, 9.86 ft.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 2,020 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
23 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 828
Q_5 = 1,570
Q_{10} = 2,180
Q_{25} = 3,080
Q_{50} = 3,840
Q_{100} = 4,670
Q_{200} = 5,580
Q_{500} = 6,920

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	2.913
Standard Deviation	=	0.335
Station Skew	=	0.168
Weighted Skew	=	-0.090

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1968	Jan. 10	3.41	803	1976	Mar. 16	3.30	780	1993	Nov. 26	3.81	603
1969	Jan. 20	4.06	998	1977	Oct. 9	4.60	1,490	1994	Aug. 17	3.46	475
1970	Mar. 22	2.04	379	1978	Jan. 26	3.77	1,020	1995	Aug. 27	8.31	2,900
1971	Mar. 3	4.19	1,190	1979	Sept. 30	1.93	282	1996	Mar. 6	4.10	720
1972	Jan. 11	4.31	1,240	1980	Apr. 15	3.49	874	1997	July 24	6.14	1,750
1973	Sept. 14	9.86	4,100	1981	Oct. 1	1.70	219	1998	Apr. 17	6.40	1,890
1974	Jan. 1	2.91	684	1991	Oct. 12	3.28	384	1999	Feb. 2	2.69	289
1975	Mar. 14	5.17	1,660	1992	Mar. 6	3.13	339				

SANTEE RIVER BASIN

02166970 NINETY-SIX CREEK NEAR NINETY-SIX, S.C.

LOCATION.--Lat 34º07'57", long 81º59'48", Greenwood County, Hydrologic Unit 03050109, near left bank, at downstream side of bridge on State Road 288 at, 3.3 mi southeast of Ninety-Six and 10.1 mi southeast of Greenwood.

DRAINAGE AREA.--17.4 mi^2.

PERIOD OF RECORD.--October 1980 to current year.

GAGE.--Data collection platform. Elevation of gage is 425 ft above sea level (from topographic map).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 1,410 ft^3/s, Oct. 12, 1990, gage height, 11.66 ft and maximum gage height 15.35 ft, June 29, 1994, from flood marks.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 930 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
17 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 =	909
Q_5 =	1,080
Q_{10} =	1,180
Q_{25} =	1,290
Q_{50} =	1,370
Q_{100} =	1,440
Q_{200} =	1,520
Q_{500} =	1,600

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	2.957
Standard Deviation	=	0.090
Station Skew	=	-1.812
Weighted Skew	=	-0.095

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1981	Feb. 11	9.90	980	1988	Apr. 12	7.05	317	1994	Jun. 29	15.35	---
1982	Jan. 4	10.24	1,090	1989	July 17	11.07	1,210	1995	Dec. 22	10.09	929
1983	Apr. 8	10.28	1,100	1990	Feb. 19	9.46	770	1996	Feb. 3	10.42	1,020
1984	Dec. 6	9.77	953	1991	Oct. 12	11.66	1,410	1997	Mar. 1	9.92	884
1985	Feb. 6	9.62	809	1992	Mar. 7	9.77	846	1998	Mar. 9	10.27	978
1986	Nov. 22	9.33	740	1993	Feb. 8	9.90	879	1999	Feb. 1	9.13	694
1987	Mar. 1	8.96	657								

SANTEE RIVER BASIN

02169550 CONGAREE CREEK AT CAYCE, S.C.

LOCATION.--Lat 33°56'15", long 81°04'40", Lexington County, Hydrologic Unit 03050110, on left bank 20 ft downstream from bridge on U.S. Highway 21 at Cayce, 2.1 mi upstream from Sixmile Creek, and at mile 5.4.

DRAINAGE AREA.--122 mi^2.

PERIOD OF RECORD.--October 1959 to September 1980. Occasional low-flow measurements, water years 1925, 1944, 1949-59.

GAGE.--Water-stage recorder. Datum of gage is 128.98 ft above sea level (South Carolina Highway Department benchmark). Prior to Jan. 20, 1960, nonrecording gage at same site and datum.

REMARKS.--About 3.3 ft^3/s diverted by City of Cayce for municipal supply.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 1,840 ft^3/s, Oct. 1, 1959, gage height, 5.92 ft from floodmark.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 1,560 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
21 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 859
Q_5 = 1,140
Q_{10} = 1,320
Q_{25} = 1,560
Q_{50} = 1,750
Q_{100} = 1,940
Q_{200} = 2,130
Q_{500} = 2,400

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	2.940
Standard Deviation	=	0.139
Station Skew	=	0.725
Weighted Skew	=	0.237

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1960	Oct. 1	5.92	1,840	1967	Aug. 25	4.77	932	1974	Jan. 2	4.19	565
1961	Aug. 5	4.81	1,050	1968	Jan. 11	4.18	596	1975	July 15	4.77	932
1962	Feb. 23	4.55	912	1969	Apr. 17	4.63	848	1976	July 6	4.58	818
1963	Jan. 21	4.14	660	1970	Aug. 12	4.55	800	1977	Dec. 13	---a	764
1964	Aug. 30	4.84	1,090	1971	Mar. 4	5.09	1,140	1978	Jan. 26	4.27	640
1965	Oct. 16	5.61	1,630	1972	Jan. 11	4.29	650	1979	Feb. 25	4.99	1,070
1966	Mar. 4	4.18	596	1973	June 23	4.98	1,070	1980	Mar. 29	4.29	650

02169630 BIG BEAVER CREEK NEAR ST. MATTHEWS, S.C.

LOCATION.--Lat 33°44'12", long 80°57'30", Calhoun County, Hydrologic Unit 03050110, at center, downstream side of box culvert on U.S. Highway 21, 0.1 mi downstream from Rock Branch, 11.6 mi northwest of St. Matthews, and at mile 8.2.

DRAINAGE AREA.--10.1 mi^2.

PERIOD OF RECORD.--July 1966 to September 1993.

GAGE.--Water-stage recorder and data collection platform. Datum of gage is 164.21 ft above sea level.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 1,360 ft^3/s, July 29, 1971, gage height, 6.66 ft.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 207 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
27 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 96.4
Q_5 = 144
Q_{10} = 180
Q_{25} = 230
Q_{50} = 270
Q_{100} = 313
Q_{200} = 359
Q_{500} = 426

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	1.992
Standard Deviation	=	0.202
Station Skew	=	0.576
Weighted Skew	=	0.222

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1967	Aug. 23	3.53	58	1976	Jan. 27	3.33	52	1985	Feb. 6	3.21	74
1968	June 9	---	240	1977	June 20	3.33	54	1986	Nov. 22	3.57	98
1969	Apr. 16	3.88	97	1978	June 6	4.05	112	1987	June 19	3.32	87
1970	Mar. 22	4.02	118	1979	Sept. 5	4.73	272	1988	June 26	3.15	77
1971	July 29	6.66	[1]1,360	1980	Mar. 13	3.66	68	1989	Sept. 22	3.19	75
1972	Aug. 24	3.97	101	1981	Aug. 17	3.79	95	1990	Dec. 8	2.55	48
1973	Feb. 2	4.29	157	1982	Dec. 31	3.59	63	1991	Oct. 23	4.45	192
1974	Aug. 6	3.71	73	1983	Mar. 17	3.66	88	1992	Aug. 19	3.37	92
1975	July 24	4.10	120	1984	May 30	4.34	180	1993	Jan. 8	4.20	162

[1]Discharge was determined by a stage-discharge rating extension exceeding 600 percent and may be unreliable. This peak discharge was not included in the log Pearson Type III analysis.

02169960 LAKE MARION TRIBUTARY NEAR VANCE, S.C.

LOCATION.--Lat 33º27'26", long 80º26'32", Orangeburg County, Hydrologic Unit 03050111, on upstream side of culvert on State Highway 6 about 2.0 mi northeast of Vance.

DRAINAGE AREA.--2.12 mi^2.

PERIOD OF RECORD.--October 1974 to current year.

GAGE.--Crest-stage partial-record station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 167 ft^3/s, October 11, 1990, gage height, 5.44 ft.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 151 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
19 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 58.9
Q_5 = 96.6
Q_{10} = 126
Q_{25} = 167
Q_{50} = 202
Q_{100} = 239
Q_{200} = 279
Q_{500} = 338

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	1.774
Standard Deviation	=	0.252
Station Skew	=	0.137
Weighted Skew	=	0.094

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1977	---	3.20	---	1985	May 23	3.36	43.0	1993	Jan. 9	3.19	34.0
1978	---	---	---	1986	Aug. 20	3.75	63.0	1994	Aug. 23	2.94	22.0
1979	Sept. 5	5.05	141	1987	Jan. 1	3.75	63.0	1995	Aug. 26	3.72	61.2
1980	Mar. 13	3.85	69.0	1988	---	---	---	1996	Jan. 27	2.99	25.0
1981	---	---	---	1989	Sept. 22	3.83	67.8	1997	June 27	3.17	34.0
1982	Jan. 1	3.17	34.0	1990	May 5	4.71	121	1998	Feb. 5	4.05	81.0
1983	Mar. 17	4.79	126	1991	Oct. 11	5.44	167	1999	July 1	3.22	36.0
1984	Nov. 15	3.98	77.0	1992	Aug. 19	3.40	45.0				

02172500 SOUTH FORK EDISTO RIVER NEAR MONTMORENCI, S.C.

LOCATION.--Lat 33º34'35", long 81º30'50", Aiken County, Hydrologic Unit 03050204, near center of span on downstream side of bridge on State Highway 302, 0.4 mi upstream from Cedar Creek, 1.0 mi upstream from Shaw Creek, and 7.6 mi northeast of Montmorenci.

DRAINAGE AREA.--198 mi^2.

PERIOD OF RECORD.--October 1939 to September 1966; October 1971 to 1993. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder prior to September 1966. Crest-stage partial-record station thereafter. Datum of gage is 250.18 ft above sea level (levels by Corps of Engineers). Prior to Oct. 29, 1954, wire-weight gage at same site and datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,010 ft^3/s, Aug. 31, 1964, gage height, 10.24 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 4,490 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
49 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 1,530
Q_5 = 2,300
Q_{10} = 2,840
Q_{25} = 3,580
Q_{50} = 4,140
Q_{100} = 4,740
Q_{200} = 5,350
Q_{500} = 6,200

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.184
Standard Deviation	=	0.211
Station Skew	=	-0.061
Weighted Skew	=	0.010

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1940	Aug. 15	8.81	2,460	1957	May 14	6.90	750	1978	Jan. 28	8.75	2,360
1941	July 19	8.81	2,460	1958	Apr. 18	7.82	1,560	1979	Feb. 24	8.45	2,040
1942	Mar. 10	7.88	1,650	1959	May 10	8.33	1,990	1980	Mar. 13	8.18	1,780
1943	Mar. 23	7.98	1,740	1960	Oct. 1	9.57	3,120	1981	Feb. 18	6.78	738
1944	Mar. 24	8.71	2,370	1961	Feb. 26	9.15	2,690	1982	Jan. 6	7.98	1,600
1945	Apr. 27	6.97	898	1962	Feb. 24	8.83	2,540	1983	Apr. 11	9.36	3,210
1946	Apr. 19	6.73	898	1963	Jan. 22	7.46	1,160	1984	Feb. 29	7.50	1,190
1947	Oct. 10	7.47	1,320	1964	Aug. 31	10.24	5,010	1985	Feb. 7	8.28	1,870
1948	Mar. 9	7.62	1,400	1965	Dec. 28	8.85	2,470	1986	Nov. 22	7.62	1,290
1949	Aug. 30	8.52	2,180	1966	June 12	8.00	1,620	1987	Mar. 1	7.25	1,020
1950	Sept. 9	6.86	685	1972	Jan. 14	8.20	1,780	1988	Sept. 9	6.79	744
1951	Apr. 5	6.71	615	1973	Feb. 2	7.73	1,380	1989	July 5	7.34	1,080
1952	Mar. 6	8.21	2,040	1974	Jan. 3	7.13	948	1990	May 5	6.91	816
1953	May 8	7.62	1,400	1975	July 17	9.03	2,700	1991	Mar. 29	8.46	2,050
1954	Dec. 15	7.07	858	1976	June 29	7.92	1,550	1992	Feb. 26	6.86	786
1955	Apr. 16	8.16	1,790	1977	Dec. 19	8.53	2,120	1993	Jan. 8	8.70	2,300
1956	Apr. 13	6.75	755								

02173000 SOUTH FORK EDISTO RIVER NEAR DENMARK, S.C.

LOCATION.--Lat 33º23'35", long 81º08'00", Bamberg-Orangeburg County Line, Hydrologic Unit 03050204, on left bank at downstream side of bridge on U.S. Highway 321, 360 ft downstream from Seaboard Coast Line Railroad bridge, 1.8 mi downstream from Little River, 4.8 mi north of Denmark, and at mile 136.6.

DRAINAGE AREA.--720 mi^2, approximately (measured on topographic and highway planning survey maps)

PERIOD OF RECORD.--August 1931 to current year.

GAGE.--Continuous water-stage recorder prior to September 1971; crest-stage partial-record station 1972 to 1980; continuous recorder thereafter. Datum of gage is 155.68 ft above sea level (levels by Corps of Engineers). Prior to Oct. 27, 1931, nonrecording gage at same site and datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,500 ft^3/s, Apr. 11, 1936, gage height, 10.91 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known since at least 1893, 11.7 ft in October 1929, on basis of information from State Highway Department (discharge 17,100 ft^3/s, by conveyance-slope study).

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 7,020 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
67 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 2,520
Q_5 = 3,840
Q_{10} = 4,890
Q_{25} = 6,410
Q_{50} = 7,700
Q_{100} = 9,120
Q_{200} = 10,700
Q_{500} = 13,100

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.414
Standard Deviation	=	0.208
Station Skew	=	0.446
Weighted Skew	=	0.404

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1930	Oct. --	11.70	17,100b	1954	Dec. 16	7.25	1,750	1977	Dec. 19	7.84	2,940
1932	Aug. 12	8.47	2,930	1955	Apr. 20	7.19	1,640	1978	Jan. 28	7.63	2,560
1933	Nov. 4	8.07	2,290	1956	Feb. 8	6.91	1,350	1979	Feb. 24	8.03	3,310
1934	June 5	8.51	2,850	1957	Mar. 27	6.70	1,030	1980	---	---	---
1935	Aug. 22	8.36	2,640	1958	Apr. 17	8.00	3,210	1981	Feb. 18	6.98	1,560
1936	Apr. 11	10.91	13,500	1959	May 14	7.70	2,810	1982	Jan. 6	7.41	2,200
1937	Oct. 14	8.03	2,260	1960	Apr. 6	8.75	5,150	1983	Apr. 13	7.80	2,870
1938	Apr. 10	8.20	2,470	1961	Apr. 17	8.22	3,780	1984	May 8	7.90	3,050
1939	Mar. 3	9.05	4,860	1962	Feb. 27	7.80	3,110	1985	Feb. 8	7.68	2,850
1940	Aug. 19	7.92	2,060	1963	Jan. 22	7.67	2,710	1986	---	---	---
1941	July 22	7.91	2,060	1964	Sept. 2	9.41	7,350	1987	Jan. 24	7.73	2,650
1942	Dec. 26	8.06	2,840	1965	Oct. 20	8.18	3,610	1988	Jan. 24	6.42	904
1943	Mar. 24	7.62	2,080	1966	Mar. 5	8.28	3,820	1989	Apr. 12	6.87	1,310
1944	Mar. 25	8.24	3,220	1967	Aug. 28	7.91	3,070	1990	Dec. 15	6.88	1,320
1945	Sept. 19	8.32	3,310	1968	June 13	7.46	2,490	1991	Oct. 25	7.86	2,770
1946	Jan. 1	7.40	1,740	1969	Apr. 20	8.10	3,460	1992	Aug. 23	6.93	1,440
1947	Aug. 15	---a	2,040	1970	Apr. 1	7.58	2,480	1993	Jan. 10	8.32	3,790
1948	Feb. 14	8.38	4,010	1971	Mar. 5	8.64	4,820	1994	Mar. 3	7.17	1,660
1949	Oct. 5	8.30	3,810	1972	Jan. 18	7.74	2,750	1995	Feb. 19	8.47	4,190
1950	Mar. 9	6.89	1,210	1973	Feb. 3	8.01	3,270	1996	Mar. 12	7.45	2,060
1951	Apr. 2	6.97	1,320	1974	Feb. 19	7.36	2,130	1997	Feb. 16	6.93	1,740
1952	Mar. 26	7.59	2,390	1975	July 19	8.08	3,420	1998	May 9	8.71	4,890
1953	Sept. 29	7.56	2,600	1976	June 30	7.19	1,880	1999	Jan. 25	6.87	1,310

EDISTO RIVER BASIN

02173500 NORTH FORK EDISTO RIVER AT ORANGEBURG, S.C.

LOCATION.--Lat 33º29'00", long 80º52'25", Orangeburg County, Hydrologic Unit 03050203, on left bank under bridge on U.S. Highway 301 at Orangeburg, 0.5 mi upstream from Seaboard Coast Line Railroad bridge, 1.5 mi downstream from Caw Caw Swamp and at mile 22.1.

DRAINAGE AREA.--683 mi^2.

PERIOD OF RECORD.--December 1938 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORDS.--WSP 1032: Drainage area.

GAGE.--Water-stage recorder and data collection platform. Datum of gage is 149.02 ft above sea level (levels by Corps of Engineers). Prior to Feb. 23, 1939, nonrecording gage at same site and datum.

REMARKS.--Some flow diverted by City of Orangeburg for municipal supply.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,500 ft^3/s, Sept. 18, 1945, gage height, 14.28 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known since at least 1893, 14.7 ft in September 1928, discharge, 10,000 ft^3/s, from rating curve extended as described below, on basis of information from Department of Public Utilities, City of Orangeburg.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 5,230 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
62 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 2,510
Q_5 = 3,790
Q_{10} = 4,770
Q_{25} = 6,140
Q_{50} = 7,270
Q_{100} = 8,500
Q_{200} = 9,830
Q_{500} = 11,800

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.409
Standard Deviation	=	0.206
Station Skew	=	0.385
Weighted Skew	=	0.279

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1928	Sept. --	14.70	10,000b	1959	May 14	8.80	2,570	1980	Mar. 31	9.23	2,800
1939	Mar. 3	9.98	3,910	1960	Apr. 6	10.36	4,240	1981	Oct. 2	7.38	1,410
1940	Aug. 19	8.59	2,340	1961	Apr. 17	9.61	3,340	1982	Jan. 6	8.10	1,850
1941	June 29	11.00	5,210	1962	Feb. 24	9.21	2,770	1983	Apr. 13	9.04	2,610
1942	Dec. 26	8.96	2,670	1963	Jan. 22	9.26	2,880	1984	May 30	10.00	3,720
1943	Mar. 24	8.20	1,930	1964	Aug. 31	11.34	5,410	1985	Feb. 8	8.78	2,380
1944	Mar. 25	8.90	2,620	1965	Oct. 6	11.05	5,080	1986	Nov. 23	8.23	1,940
1945	Sept. 18	14.28	9,500	1966	Mar 6	9.79	3,450	1987	Jan. 24	8.88	2,470
1946	Jan. 1	7.90	1,670	1967	Aug. 29	9.00	2,570	1988	Mar. 13	6.50	1,050
1947	Apr. 18	8.16	1,880	1968	June 12	8.65	2,240	1989	Apr. 12	7.16	1,310
1948	Sept. 7	10.25	4,170	1969	Apr. 21	8.60	2,200	1990	Oct. 2	7.47	1,460
1949	Aug. 29	10.47	4,560	1970	Apr. 2	8.71	2,300	1991	July 31	9.53	3,190
1950	Sept. 10	8.03	1,800	1971	Mar. 5	11.64	5,850	1992	Aug. 19	7.69	1,580
1951	Apr. 10	7.50	1,370	1972	Jan. 16	9.40	2,990	1993	Jan. 9	11.15	5,210
1952	Mar. 25	8.54	2,410	1973	June 13	10.01	3,730	1994	Mar. 3	8.18	1,910
1953	Sept. 29	8.43	2,160	1974	Aug. 11	8.14	1,880	1995	Aug. 27	11.29	5,390
1954	Apr. 10	7.79	1,550	1975	July 21	8.94	2,530	1996	Mar. 12	8.24	1,950
1955	Apr. 20	7.78	1,420	1976	July 1	9.19	2,760	1997	Feb. 17	7.43	1,440
1956	Feb. 8	7.44	1,160	1977	Dec. 17	9.02	2,600	1998	Feb. 6	9.35	2,960
1957	June 17	7.62	1,250	1978	Jan. 26	9.22	2,790	1999	Jan. 26	7.48	1,460
1958	May 1	9.73	3,340	1979	Sept. 6	11.56	5,720				

02174000 EDISTO RIVER NEAR BRANCHVILLE, S.C.

LOCATION.--Lat 33°10'35", long 80°45'05", Orangeburg County, Hydrologic Unit 03050205, on right bank 400 ft downstream from bridge on U.S. Highway 21, 4.7 mi downstream from Brier Branch, 5.2 mi south of Branchville, and at mile 100.0.

DRAINAGE AREA.--1,720 mi^2, approximately.

PERIOD OF RECORD.--October 1945 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder prior to October 1995; crest-stage partial-record station thereafter. Datum of gage is 80.02 ft above sea level (levels by Corps of Engineers). Prior to May 19, 1949, at datum 2.00 ft higher.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 14,600 ft^3/s, Sept. 3, 1964, gage height, 11.44 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known since at least 1893, 13.5 ft, present datum, in September 1928, on basis of information from State Highway Department, discharge, 25,700 ft^3/s, by conveyance-slope study.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 13,800 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
54 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 =	5,720
Q_5 =	8,600
Q_{10} =	10,700
Q_{25} =	13,600
Q_{50} =	15,900
Q_{100} =	18,400
Q_{200} =	21,000
Q_{500} =	24,600

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.762
Standard Deviation	=	0.207
Station Skew	=	-0.063
Weighted Skew	=	0.131

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1928	Sept. --	14.50	25,700b	1964	Sept. 3	11.44	14,600	1982	Jan. 9	8.14	4,700
1946	Jan. 4	8.75	4,100	1965	Oct. 19	10.57	10,700	1983	Apr. 16	8.91	6,120
1947	Apr. 18	8.23	4,870	1966	Mar. 8	10.06	8,910	1984	May 9	10.02	8,770
1948	Apr. 4	10.95	9,140	1967	Sept. 1	7.69	4,260	1985	Feb. 11	8.61	5,350
1949	Oct. 6	11.21	10,000	1968	June 16	8.10	4,240	1986	Nov. 24	8.82	5,730
1950	Mar. 12	6.22	2,540	1969	May 21	8.86	5,630	1987	Mar. 4	8.90	5,900
1951	Apr. 3	7.36	3,640	1970	Apr. 3	9.17	6,380	1988	Mar. 17	5.62	2,150
1952	Mar. 29	8.47	5,350	1971	Mar. 8	10.68	11,100	1989	Apr. 16	7.45	3,640
1953	Mar. 3	8.27	4,950	1972	Feb. 6	9.09	6,480	1990	Oct. 5	8.06	4,400
1954	Oct. 3	6.79	3,030	1973	June 17	10.12	9,120	1991	Aug. 5	9.22	6,620
1955	Apr. 24	6.43	2,690	1974	Feb. 20	8.57	5,440	1992	Aug. 20	7.98	4,270
1956	Feb. 11	---a	3,030	1975	July 22	8.88	6,060	1993	Jan. 13	10.87	14,000
1957	Mar. 31	5.63	2,200	1976	June 30	9.08	6,460	1994	Mar. 6	8.47	5,090
1958	Apr. 19	---a	8,050	1977	Dec. 20	8.73	5,760	1995	Feb. 21	10.34	9,860
1959	Mar. 9	8.36	5,150	1978	Jan. 28	9.64	7,750	1996	Mar. 15	8.11	4,480
1960	Apr. 8	10.93	12,600	1979	Sept. 8	9.81	8,210	1997	Feb. 26	7.64	3,860
1961	Apr. 19	9.97	9,190	1980	Mar. 16	9.62	7,730	1998	---	---	---
1962	Mar. 3	9.04	6,490	1981	Feb. 22	6.95	3,200	1999	Feb. 6	7.40	3,590
1963	Jan. 26	8.97	6,490								

EDISTO RIVER BASIN

02174250 COW CASTLE NEAR BOWMAN, S.C.

LOCATION.--Lat 33º22'43", long 80º42'00", Orangeburg County, Hydrologic Unit 03050206, at bridge on county road, 1.1 mi upstream from Buck Branch and 3.2 mi northwest of Bowman.

DRAINAGE AREA.--23.4 mi^2.

PERIOD OF RECORD.--October 1970 to September 1981 and October 1995 to current year.

GAGE.--Data collection platform. Elevation of gage is 125 ft above sea level (from topographic map).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 2,340 ft^3/s, Sept. 4, 1979, gage height, 7.37 ft.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 830 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
15 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 343
Q_5 = 682
Q_{10} = 995
Q_{25} = 1,510
Q_{50} = 1,990
Q_{100} = 2,570
Q_{200} = 3,260
Q_{500} = 4,380

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	2.550
Standard Deviation	=	0.343
Station Skew	=	1.108
Weighted Skew	=	0.250

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1971	Mar. 4	6.36	466	1976	July 7	5.87	292	1981	July 2	5.32	207
1972	Feb. 4	5.64	188	1977	Mar. 22	5.92	306	1996	Dec. 19	5.02	187
1973	June 12	6.83	1,290	1978	Jan. 26	6.25	430	1997	Feb. 15	4.02	116
1974	Feb. 17	5.95	278	1979	Sept. 4	7.37	[1]2,340	1998	Feb. 4	6.33	594
1975	Feb. 20	5.76	267	1980	Mar. 13	6.34	493	1999	May 1	4.84	179

[1]Discharge was determined by a stage-discharge rating exceeding 280 percent and may be unreliable.

COMBAHEE RIVER BASIN

02176000 COMBAHEE RIVER NEAR YEMASSEE, S.C.

LOCATION.--Lat 32º42'25", long 80º49'35", Hampton County, Hydrologic Unit 03050208, near left bank on downstream side of pile bent on bridge on U.S. Highway 17A, 0.2 mi upstream from Atlantic Coast Line Railroad bridge, 1.8 mi northeast of Yemassee, and 5 mi downstream from Black Creek.

DRAINAGE AREA.--1,100 mi^2.

PERIOD OF RECORD.--October 1952 to September 1966.

GAGE.--Recording prior to June 30, 1957; crest-stage partial-record station thereafter. Datum of gage is at sea level.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 11,700 ft^3/s, July 22, 1964, gage height, 10.87 ft.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 3,910 ft^3/s and extended on the basis of velocity-area studies.

FLOOD-FREQUENCY DATA (ft^3/s)
15 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 5,950
Q_5 = 9,200
Q_{10} = 11,500
Q_{25} = 14,700
Q_{50} = 17,100
Q_{100} = 19,700
Q_{200} = 22,400
Q_{500} = 26,100

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.744
Standard Deviation	=	0.225
Station Skew	=	-0.367
Weighted Skew	=	-0.022

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1952	Feb. 19	7.51	3,530	1957	June 6	6.71	2,150	1962	Mar. 17	8.50	5,630
1953	Mar. 8	7.32	3,110	1958	Apr. 19	9.22	7,930	1963	Jan. 25	8.39	5,410
1954	May 18	7.51	3,530	1959	Mar. 7	10.16	9,850	1964	July 22	10.87	11,700
1955	Apr. 18	8.18	5,330	1960	Nov. 2	10.80	11,400	1965	Oct. 16	10.62	10,900
1956	Feb. 10	7.96	4,680	1961	Apr. 20	9.22	7,350	1966	Mar. 8	9.29	7,600

02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.

LOCATION.--Lat 32º50'10", long 81º07'55", Hampton County, Hydrologic Unit 03050208, near left bank on downstream side of bridge on U.S. Highway 601, 1.6 mi downstream from Black Creek, 2.5 mi southwest of Hampton, and at mile 33.6.

DRAINAGE AREA.--203 mi^2.

PERIOD OF RECORD.--February 1951 to current year.

GAGE.--Data collection platform. Datum of gage is 50.30 ft above sea level. Prior to Oct. 26, 1954, nonrecording gage at same site and datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 8,820 ft^3/s, Oct. 10, 1992, gage height, 8.39 ft, Sept. 2, 1969.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 6,380 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
48 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 1,740
Q_5 = 2,940
Q_{10} = 3,910
Q_{25} = 5,370
Q_{50} = 6,620
Q_{100} = 8,030
Q_{200} = 9,600
Q_{500} = 12,000

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.249
Standard Deviation	=	0.264
Station Skew	=	0.405
Weighted Skew	=	0.216

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1952	Feb. 16	5.20	1,780	1968	June 9	3.89	416	1984	July 31	4.84	1,190
1953	Mar. 24	5.78	2,750	1969	Sept. 2	8.39	8,160	1985	Aug. 31	4.65	1,000
1954	May 16	5.45	2,360	1970	Mar. 31	5.66	2,120	1986	Nov. 23	5.80	2,440
1955	Apr. 15	5.05	1,430	1971	Mar. 4	5.16	1,530	1987	Mar. 2	5.50	2,030
1956	Feb. 7	4.98	1,390	1972	Feb. 4	5.23	1,660	1988	Sept. 10	4.85	1,200
1957	May 31	4.26	649	1973	June 14	5.47	1,940	1989	Sept. 23	4.86	1,210
1958	Apr. 16	5.07	1,400	1974	Feb. 9	5.11	1,520	1990	Jan. 8	5.06	1,440
1959	Mar. 6	5.87	2,950	1975	July 19	5.61	2,150	1991	Aug. 3	6.03	2,800
1960	Jan. 31	5.48	2,150	1976	July 7	5.29	1,760	1992	Apr. 22	4.69	1,040
1961	Apr. 17	5.16	1,580	1977	Mar. 8	4.57	1,030	1993	Oct. 10	7.92	8,820
1962	Mar. 12	---a	1,250	1978	Jan. 27	5.03	1,460	1994	Mar. 3	4.67	1,360
1963	June 29	5.61	2,190	1979	Sept. 6	5.66	2,210	1995	Aug. 26	6.65	5,120
1964	Aug. 30	6.21	3,720	1980	Mar. 14	7.09	4,800	1996	May 1	4.92	1,770
1965	Oct. 16	6.27	3,880	1981	Apr. 3	4.09	585	1997	Feb. 16	4.82	1,590
1966	Mar. 5	5.65	2,370	1982	July 18	4.55	989	1998	Mar. 9	5.78	3,230
1967	Aug. 12	4.53	974	1983	Mar. 8	5.18	1,620	1999	Feb. 3	4.14	740

02176875 GREAT SWAMP NEAR RIDGELAND, S.C.

LOCATION.--Lat 32º29'45", long 81º01'07", Jasper County, Hydrologic Unit 03050208, at upstream side of bridge on State Road 39, and 2.4 mi northwest of Ridgeland.

DRAINAGE AREA.--48.8 mi^2.

PERIOD OF RECORD.--October 1978 to September 1984, November 1987 to February 1996.

GAGE.--Water stage recorder prior to October 1984, crest-stage partial-record station thereafter. Elevation of gage is 35 ft (from topographic map).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge undetermined, gage height, 8.62 ft, Aug. 26, 1995.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 721 ft^3/s and graphically extended on logarithmic plotting paper.

REMARKS.--Channelized stream and therefore, not included in the regional regression analysis.

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1979	May 14	5.71	436	1984	Mar. 7	6.60	936	1991	Oct. 13	6.42	802
1980	Mar. 13	6.18	661	1987	Jan. 24	6.57	912	1992	Jan. 14	4.44	81.0
1981	Aug. 20	5.70	432	1988	Sept. 12	6.07	610	1993	Jan. 13	6.25	696
1982	June 19	6.54	889	1989	Sept. 22	5.81	482	1994	Mar. 3	5.76	459
1983	Mar. 18	5.77	463	1990	Jan. 1	6.38	774	1995	Aug. 26	8.62	---

02184500 WHITEWATER RIVER AT JOCASSEE, S.C.

LOCATION.--Lat 34º58'19", long 82º56'24", Oconee County, Hydrologic Unit 03060101, on right bank at highway bridge at Jocassee, 0.8 mi upstream from confluence with Toxaway River.

DRAINAGE AREA.--47.3 mi^2.

PERIOD OF RECORD.--January 1951 to April 1968.

GAGE.--Water-stage recorder. Datum of gage is 777.79 ft above sea level.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 6,900 ft^3/s, Oct. 4, 1964, gage height, 14.30 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 1,540 ft^3/s and extended on the basis of indirect computations of peak discharge using the width contraction method.

FLOOD-FREQUENCY DATA (ft^3/s)
16 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 =	3,150
Q_5 =	4,510
Q_{10} =	5,480
Q_{25} =	6,800
Q_{50} =	7,840
Q_{100} =	8,930
Q_{200} =	10,100
Q_{500} =	11,700

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.505
Standard Deviation	=	0.180
Station Skew	=	0.705
Weighted Skew	=	0.210

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1952	Mar. 11	11.17	5,280	1958	Dec. 20	---	2,410	1964	Sept. 29	12.48	5,990
1953	Feb. 21	6.53	2,820	1959	May 31	---	1,990	1965	Oct. 4	14.30	6,900
1954	Jan. 22	6.38	2,730	1960	Oct. 9	---	2,340	1966	Oct. 1	11.20	5,350
1955	Feb. 6	---	2,260	1961	Feb. 25	6.65	2,890	1967	June 4	9.76	4,630
1956	Apr. 15	5.10	1,950	1962	Dec. 12	7.00	3,100				
1957	Apr. 4	6.31	2,710	1963	Mar. 6	5.78	2,370				

SAVANNAH RIVER BASIN

02185000 KEOWEE RIVER NEAR JOCASSEE, S.C.

LOCATION.--Lat 34º57'21", long 82º54'41", Oconee County, Hydrologic Unit 03060101, on right bank 0.6 mi downstream from bridge on State Highway 11, 1.8 mi southeast of Jocassee, and 2.6 mi upstream from Eastatoe Creek.

DRAINAGE AREA.--148 mi^2.

PERIOD OF RECORD.--December 1949 to April 1968.

GAGE.--Water-stage recorder. Datum of gage is 737.43 ft above sea level.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 21,000 ft^3/s, Oct. 4, 1964, gage height, 22.03 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 8,480 ft^3/s and extended on the basis of indirect computations of peak discharge using the slope-area method.

FLOOD-FREQUENCY DATA (ft^3/s)
18 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 9,540
Q_5 = 13,700
Q_{10} = 16,600
Q_{25} = 20,600
Q_{50} = 23,600
Q_{100} = 26,900
Q_{200} = 30,200
Q_{500} = 34,900

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.984
Standard Deviation	=	0.182
Station Skew	=	0.385
Weighted Skew	=	0.153

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1950	Sept. 1	11.46	11,800	1956	Apr. 16	6.74	5,780	1962	Dec. 12	10.45	10,400
1951	Dec. 7	8.29	7,700	1957	Apr. 4	9.03	8,540	1963	Mar. 6	---a	6,620
1952	Mar. 11	16.23	16,200	1958	Dec. 20	7.08	6,260	1964	Sept. 29	17.84	17,700
1953	Feb. 21	10.03	9,840	1959	Apr. 12	6.85	5,900	1965	Oct. 4	22.03	21,000
1954	Jan. 22	9.49	9,190	1960	Feb. 5	6.52	5,540	1966	Mar. 13	16.07	16,100
1955	Feb. 6	7.77	7,100	1961	Feb. 25	9.67	9,450	1967	June 4	14.12	14,100

SAVANNAH RIVER BASIN

02185200 LITTLE RIVER NEAR WALHALLA, S.C.

LOCATION.--Lat 34º50'11", long 82º58'48", Oconee County, Hydrologic Unit 03060101, at downstream side of bridge on State Road 24, 0.5 mi downstream from Oconee Creek, 3.5 mi south of Salem and 6.5 mi northeast of Walhalla.

DRAINAGE AREA.--72.0 mi^2.

PERIOD OF RECORD.--March 1967 to current year.

GAGE.--Data collection platform. Datum of gage is 807.63 ft above sea level.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 12,800 ft^3/s, June 4, 1967, gage height, 12.29 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 3,060 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
32 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 3,680
Q_5 = 6,320
Q_{10} = 8,360
Q_{25} = 11,200
Q_{50} = 13,600
Q_{100} = 16,100
Q_{200} = 18,800
Q_{500} = 22,700

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.564
Standard Deviation	=	0.281
Station Skew	=	-0.261
Weighted Skew	=	-0.046

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1967	June 4	12.29	[1]12,800	1978	Jan. 25	6.66	4,450	1989	July 3	6.98	4,630
1968	---	6.29	4,400	1979	June 8	7.39	4,950	1990	Oct. 1	7.03	4,690
1969	Aug. 22	5.42	3,340	1980	Nov. 2	7.22	4,750	1991	May 28	4.46	1,980
1970	Nov. 1	3.38	1,260	1981	Mar. 30	2.96	860	1992	Aug. 22	7.26	4,970
1971	Jan. 5	3.37	1,260	1982	Feb. 3	6.31	3,750	1993	Nov. 25	5.05	2,520
1972	Dec. 7	5.73	3,300	1983	May 20	4.19	1,750	1994	Aug. 17	8.53	[1]6,660
1973	May 28	11.39	[1]12,300	1984	---	---	---	1995	Feb. 16	5.54	3,150
1974	Dec. 26	4.56	2,050	1985	Aug. 17	5.90	3,400	1996	Jan. 27	8.26	[1]6,290
1975	Mar. 14	6.45	4,160	1986	Nov. 1	6.43	3,980	1997	Dec. 1	6.87	4,510
1976	May 29	10.30	[1]10,100	1987	Nov. 26	7.97	5,890	1998	Jan. 7	7.21	4,910
1977	Mar. 30	7.55	5,700	1988	Jan. 20	4.08	1,660	1999	Feb. 1	3.91	1,530

[1]Discharges were determined from a stage-discharge relation that exceeds the highest measured flow by greater than 100 percent and therefore, may be unreliable.

SAVANNAH RIVER BASIN

02185500 SENECA RIVER NEAR NEWRY, S.C.

LOCATION.--Lat 34º44'09", long 82º52'19", Oconee County, Hydrologic Unit 03060101, on left bank 800 ft downstream from Lawrence Bridge, 0.7 mi upstream from Sixmile Creek, and 2.2 mi east of Newry.

DRAINAGE AREA.--455 mi^2.

PERIOD OF RECORD.--October 1939 to June 1961. Prior to October 1960, published as Keowee River near Newry. Monthly discharges only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 625.00 ft above sea level.

REMARKS.--Some regulation at low flow by a power plant above the station. Stage-discharge relations affected by backwater from construction of Hartwell Reservoir subsequent to Apr. 21, 1961.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 25,200 ft^3/s, Aug. 13, 1940, gage height, 24.60 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 19,300 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
22 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 16,500
Q_5 = 20,100
Q_{10} = 22,200
Q_{25} = 24,800
Q_{50} = 26,600
Q_{100} = 28,200
Q_{200} = 29,900
Q_{500} = 32,000

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	4.215
Standard Deviation	=	0.104
Station Skew	=	-1.680
Weighted Skew	=	-0.073

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1940	Aug. 13	24.60	25,200	1948	Aug. 4	19.09	17,500	1955	Feb. 6	---a	17,500
1941	July 7	13.27	10,400	1949	Nov. 29	20.54	19,000	1956	Apr. 16	17.32	14,900
1942	Feb. 17	20.28	18,900	1950	Oct. 7	22.69	21,100	1957	Apr. 5	20.32	18,300
1943	Dec. 29	---a	17,100	1951	Dec. 7	15.97	13,000	1958	Nov. 19	13.72	10,800
1944	Mar. 20	17.01	14,900	1952	Mar. 11	23.16	22,000	1959	Apr. 12	17.01	14,400
1945	Feb. 22	8.25	5,530	1953	Feb. 21	18.89	16,300	1960	Mar. 30	15.92	13,300
1946	Jan. 7	21.32	20,300	1954	Jan. 22	---a	19,700	1961	June 22	20.94	20,200
1947	Jan. 20	16.26	13,900								

SAVANNAH RIVER BASIN

02186000 TWELVEMILE CREEK NEAR LIBERTY, S.C.

LOCATION.--Lat 34º48'05", long 82º44'55", Pickens County, Hydrologic Unit 03060101, on left bank 40 ft downstream from bridge on State Road 137, 0.8 mi downstream from Rices Creek, and 3.4 mi west of Liberty.

DRAINAGE AREA.--106 mi^2.

PERIOD OF RECORD.--July 1954 to September 1964, May 1989 to current year.

GAGE.--Data collection platform. Datum of gage is 822.18 ft above sea level (levels by Natural Resources Conservation Service).

REMARKS.--Storm runoff at gage affected by several small flood-detention reservoirs on tributary streams.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 6,730 ft^3/s, Jan. 8, 1999, gage height, 13.46 ft.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 4,020 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
20 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 =	3,390
Q_5 =	4,800
Q_{10} =	5,710
Q_{25} =	6,820
Q_{50} =	7,620
Q_{100} =	8,400
Q_{200} =	9,160
Q_{500} =	10,200

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.523
Standard Deviation	=	0.186
Station Skew	=	-0.372
Weighted Skew	=	-0.234

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1955	Feb. 7	9.60	2,880	1962	Dec. 12	12.23	5,360	1993	---	---	---
1956	Apr. 16	9.37	2,760	1963	Mar. 6	11.38	4,680	1994	Aug. 17	13.10	6,450
1957	Apr. 5	9.80	2,930	1964	Jan. 25	9.59	3,300	1995	Aug. 27	11.66	5,000
1958	July 9	6.56	1,380	1990	Mar. 17	11.37	4,660	1996	Jan. 27	10.10	3,720
1959	June 1	9.30	2,710	1991	May 16	7.98	2,240	1997	Feb. 28	9.85	3,560
1960	Mar. 31	8.71	2,490	1992	Feb. 26	8.20	2,920	1998	Jan. 8	13.46	6,800
1961	June 22	10.81	4,040	1993	Dec. 17	8.47	3,110	1999	Apr. 1	5.68	1,420

SAVANNAH RIVER BASIN

02187900 BROADWAY CREEK NEAR ANDERSON, S.C.

LOCATION.--Lat 34º30'09", long 82º35'00", Anderson County, Hydrologic Unit 03060103, at bridge on State Highway 48, 0.1 mi downstream from Cupboard Creek, and 3.8 mi east of Anderson.

DRAINAGE AREA.--26.4 mi^2.

PERIOD OF RECORD.--October 1974 to current year.

GAGE.--Crest-stage partial-record station. Elevation of gage is 660 ft above sea level (from topographic map).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 2,720 ft^3/s, Aug. 27, 1995, gage height, 15.81 ft.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,590 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
21 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 =	1,050
Q_5 =	1,640
Q_{10} =	2,060
Q_{25} =	2,600
Q_{50} =	3,000
Q_{100} =	3,420
Q_{200} =	3,840
Q_{500} =	4,400

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.014
Standard Deviation	=	0.238
Station Skew	=	-0.194
Weighted Skew	=	-0.191

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1977	Mar. 30	11.80	1,700	1986	Nov. 1	5.98	587	1993	Dec. 17	9.39	1,220
1978	Jan. 25	10.18	1,380	1987	Mar. 1	9.42	1,220	1994	Aug. 17	9.15	1,170
1979	Apr. 13	11.16	1,570	1988	Apr. 12	4.36	361	1995	Aug. 27	15.81	2,720
1981	Feb. 10	5.53	520	1989	Mar. 6	6.56	674	1996	Jan. 27	9.47	1,230
1982	Jan. 4	10.30	1,400	1990	Oct. 1	12.28	1,550	1997	Mar. 1	10.75	1,490
1984	Feb. 14	9.82	1,300	1991	Mar. 29	6.41	652	1998	Apr. 18	14.60	2,360
1985	Feb. 6	5.80	560	1992	Feb. 25	5.85	568	1999	Feb. 2	6.03	595

02192500 LITTLE RIVER NEAR MOUNT CARMEL, S.C.

LOCATION.--Lat 34º04'17", long 82º30'02", Abbeville County, Hydraulic Unit 03060103, on downstream side of bridge, on State Road 40 (Island Ford Road), 2.9 mi upstream from Calhoun Creek, and 4.6 mi north of Mount Carmel.

DRAINAGE AREA.--217 mi^2.

PERIOD OF RECORD.--January 1940 to September 1970, October 1970 to September 1986 (crest-stage partial-record station), October 1986 to current year.

GAGE.--Data collection platform. Datum of gage is 355.03 ft above sea level. December 1939 to October 16, 1987, at site 850 ft downstream at datum 1.06 ft lower.

REMARKS.--Revised Record: WSP 1433: 1948.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 20,800 ft^3/s, Aug. 14, 1940, gage height, 29.60 ft, (from high water mark), from rating curve extended above 13,000 ft^3/s.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 12,300 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
57 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 4,940
Q_5 = 7,680
Q_{10} = 9,630
Q_{25} = 12,200
Q_{50} = 14,200
Q_{100} = 16,200
Q_{200} = 18,300
Q_{500} = 21,200

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.690
Standard Deviation	=	0.231
Station Skew	=	-1.044
Weighted Skew	=	-0.103

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1940	Aug. 14	29.60	20,800	1960	Jan. 31	15.60	4,300	1980	---	---	---
1941	July 17	22.23	9,020	1961	Mar. 9	14.92	3,970	1981	Oct. 1	12.50	2,700
1942	Mar. 22	19.18	6,400	1962	Feb. 23	15.86	4,580	1982	Jan. 4	15.68	4,740
1943	Jan. 19	20.37	7,310	1963	Apr. 30	15.84	4,410	1983	---	---	---
1944	Mar. 20	20.90	8,020	1964	Mar. 27	23.11	10,000	1984	Jan. 11	15.50	4,240
1945	Apr. 26	16.88	5,020	1965	Mar. 25	19.76	6,800	1985	Feb. 6	12.51	2,710
1946	Dec. 25	13.00	3,210	1966	Mar. 5	18.96	6,230	1986	---	---	---
1947	Jan. 20	17.35	5,300	1967	Aug. 25	11.79	2,390	1987	Mar. 1	16.89	5,010
1948	Nov. 11	12.81	3,130	1968	Jan. 11	16.70	4,900	1988	Jan. 20	4.48	390
1949	Nov. 29	22.55	9,350	1969	Jan. 21	19.61	6,690	1989	July 17	18.39	5,880
1950	July 25	8.74	1,760	1970	Mar. 22	10.63	1,950	1990	Oct. 2	20.97	7,810
1951	Apr. 2	7.55	1,440	1971	Mar. 3	22.64	9,500	1991	Aug. 13	16.18	4,590
1952	Mar. 4	19.47	6,610	1972	Jan. 11	18.99	6,260	1992	Mar. 7	13.29	3,260
1953	May 1	12.68	2,970	1973	Apr. 1	23.60	10,600	1993	Mar. 4	16.08	4,540
1954	Jan. 17	13.93	3,490	1974	Jan. 10	14.62	3,760	1994	June 29	19.33	6,500
1955	Feb. 7	15.64	4,310	1975	Mar. 13	22.86	9,750	1995	Aug. 27	26.46	14,800
1956	Mar. 17	14.34	3,450	1976	Mar. 17	17.58	5,390	1996	Mar. 7	20.00	6,990
1957	Apr. 5	9.23	1,900	1977	Oct. 9	13.01	2,960	1997	Mar. 1	17.47	5,300
1958	Nov. 19	18.20	5,760	1978	Oct. 26	16.51	4,800	1998	Feb. 5	20.74	7,610
1959	Sept. 7	17.57	5,400	1979	Apr. 13	18.25	5,790	1999	Feb. 1	10.72	2,310

SAVANNAH RIVER BASIN

02196000 STEVENS CREEK NEAR MODOC, S.C.

LOCATION.--Lat 33º43'45", long 82º10'55", Edgefield County, Hydrologic Unit 03060107, on left bank 15 ft upstream from bridge on State Highway 23, 1.4 mi east of Modoc, and 3.2 mi downstream from Turkey Creek.

DRAINAGE AREA.--545 mi^2.

PERIOD OF RECORD.--November 1929 to September 1931, February 1940 to September 1978, November 1983 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Data collection platform. Datum of gage is 196.34 ft above sea level (levels by Southeastern Power Administration). Prior to September 6, 1999, at present site at datum 1.00 ft higher. October 15, 1929, to Sept. 30, 1931, nonrecording gage at site 1,100 ft upstream at different datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 35,100 ft^3/s, Aug. 14, 1940, gage height, 41.08 ft.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 26,200 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
56 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 12,600
Q_5 = 18,600
Q_{10} = 22,500
Q_{25} = 27,400
Q_{50} = 31,100
Q_{100} = 34,600
Q_{200} = 38,200
Q_{500} = 42,900

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	4.095
Standard Deviation	=	0.205
Station Skew	=	-0.245
Weighted Skew	=	-0.214

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1931	Apr. 1	---	5,550b	1958	Apr. 16	28.87	15,900	1977	Oct. 9	30.87	17,800
1940	Aug. 14	41.08	35,100	1959	Mar. 6	20.60	7,600	1978	May 9	25.94	12,000
1941	June 25	---a	6,000	1960	Jan. 31	29.07	16,100	1984	Jan. 11	24.18	10,300
1942	Mar. 22	29.64	16,800	1961	Feb. 25	31.26	19,000	1985	Feb. 6	26.31	12,400
1943	Jan. 19	---	18,700	1962	Jan. 7	32.57	20,900	1986	Oct. 4	21.41	7,950
1944	Mar. 21	35.88	26,200	1963	Mar. 13	23.44	10,100	1987	Jan. 23	24.25	10,400
1945	Apr. 25	20.10	7,220	1964	Aug. 31	38.89	30,900	1988	Sept. 9	15.93	4,760
1946	Dec. 26	25.27	11,800	1965	Dec. 27	32.90	20,700	1989	Mar. 24	25.54	11,600
1947	Mar. 8	24.41	11,000	1966	Mar. 5	27.13	13,200	1990	Feb. 19	23.32	9,540
1948	Feb. 10	27.36	14,200	1967	May 23	20.28	7,020	1991	Oct. 12	37.50	27,800
1949	Nov. 29	30.27	17,700	1968	Jan. 11	28.15	14,400	1992	Mar. 7	23.53	9,720
1950	Mar. 7	14.50	4,060	1969	Apr. 16	34.25	22,700	1993	Nov. 27	28.45	14,700
1951	Apr. 3	19.66	6,760	1970	Mar. 22	24.66	10,800	1994	June 28	30.49	17,300
1952	Mar. 5	30.59	18,200	1971	Mar. 3	32.47	20,100	1995	Jan. 15	25.76	11,800
1953	Feb. 15	21.51	8,360	1972	Jan. 12	27.07	13,200	1996	Mar. 8	26.66	12,700
1954	Jan. 16	14.47	4,110	1973	Apr. 1	27.92	14,100	1997	Feb. 15	24.41	10,500
1955	Apr. 15	24.75	11,300	1974	Apr. 5	27.28	13,400	1998	Mar. 9	30.92	17,900
1956	Apr. 12	22.74	9,430	1975	Mar. 3	30.16	16,900	1999	Feb. 2	20.98	7,640
1957	May 5	20.32	7,330	1976	Mar. 17	25.97	12,100				

SAVANNAH RIVER BASIN

02196250 HORN CREEK NEAR COLLIERS, S.C.

LOCATION.--Lat 33º42'55", long 81º56'23", Edgefield County, Hydrologic Unit 03060107, on State Road 76 bridge, 5.1 mi south of Edgefield and 3.5 mi northeast of Ropers Crossroads.

DRAINAGE AREA.--13.9 mi^2.

PERIOD OF RECORD.--October 1980 to September 1994.

GAGE.--Water-stage recorder. Elevation of gage is 320 ft above sea level (from topographic map).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 3,680 ft^3/s, Oct. 2, 1985, gage height, 15.29 ft.

STAGE-DISCHARGE RELATION.**--**Defined by current-meter measurements below 760 ft^3/s and graphically extended on the basis of step-backwater computations.

FLOOD-FREQUENCY DATA (ft^3/s)
14 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 675
Q_5 = 1,420
Q_{10} = 2,090
Q_{25} = 3,130
Q_{50} = 4,050
Q_{100} = 5,100
Q_{200} = 6,290
Q_{500} = 8,080

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	2.824
Standard Deviation	=	0.390
Station Skew	=	0.385
Weighted Skew	=	-0.081

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1981	Feb. 11	7.51	521	1986	Oct. 2	15.29	3,680	1991	Oct. 12	14.80	2,900
1982	Dec. 31	10.83	945	1987	Jan. 19	8.64	663	1992	Aug. 22	7.45	514
1983	Apr. 8	13.37	1,440	1988	Feb. 4	4.31	144	1993	Jan. 8	8.62	661
1984	Feb. 13	10.49	905	1989	Mar. 20	5.60	234	1994	Oct. 30	6.82	438
1985	Feb. 5	7.80	556	1990	Dec. 8	5.38	272				

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, S.C.

LOCATION.--Lat 33º23'05", long 81º37'00", Aiken County, Hydrologic Unit 03060106, on downstream side of bridge on U.S. Highway 278, 0.4 mi upstream from Johnson Fork Creek, and 4.6 mi southeast of New Ellenton.

DRAINAGE AREA.--87.0 mi^2.

PERIOD OF RECORD.--June 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 174.70 ft above sea level. Oct. 1, 1989 to Dec. 23, 1996, at site 1.0 mi downstream at different datum.

REMARKS. This site was not used in the regional regression.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 820 ft^3/s, Oct. 23, 1990, gage height, 8.80 ft.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 411 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
33 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 338
Q_5 = 448
Q_{10} = 533
Q_{25} = 657
Q_{50} = 760
Q_{100} = 874
Q_{200} = 1,000
Q_{500} = 1,190

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	2.548
Standard Deviation	=	0.134
Station Skew	=	0.876

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1967	Aug. 24	---	320	1978	Jan. 25	7.38	344	1989	July 5	7.21	301
1968	June 9	6.07	237	1979	Apr. 26	7.36	341	1990	July 26	6.79	202
1969	Sept. 19	6.91	301	1980	Mar. 13	7.77	400	1991	Oct. 23	8.80	820
1970	Mar. 30	6.83	303	1981	Feb. 11	7.10	308	1992	Aug. 20	8.67	742
1971	Aug. 17	8.00	420	1982	Jan. 1	7.57	364	1993	Jan. 8	7.95	421
1972	Aug. 17	7.52	372	1983	Mar. 6	7.32	331	1994	Oct. 30	7.44	302
1973	June 13	8.37	472	1984	May 4	8.13	466	1995	Aug. 26	7.92	412
1974	Feb. 7	6.60	260	1985	Feb. 6	7.75	400	1996	Sept. 11	7.07	240
1975	July 15	7.34	341	1986	Nov. 22	7.50	360	1997	Feb. 15	7.17	242
1976	May 29	7.96	429	1987	Mar. 1	7.60	370	1998	Sept. 3	8.50	596
1977	Mar. 22	7.07	304	1988	Sept. 9	6.86	278	1999	Jan. 24	7.33	252

02197310 UPPER THREE RUNS ABOVE ROAD C AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°17'08", long 81°41'40", Aiken County, Hydrologic Unit 03060106, on right bank, 100 ft upstream of Savannah River Site (SRS) Road C, 2.0 mi east of SRS Road 2, at Savannah River Plant, 6 mi southeast of New Ellenton.

DRAINAGE AREA.--176 mi^2.

PERIOD OF RECORD.--June 1974 to January 1998, December 1998 to current year.

GAGE.--Data collection platform. Datum of gage is 121.5 ft above sea level (Global Positioning System).

REMARKS.--This site was not used in the regional regression.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 2,040 ft^3/s, Oct. 12, 1990, gage height, 7.87ft.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,900 ft^3/s and graphically extended on logarithmic plotting paper.

FLOOD-FREQUENCY DATA (ft^3/s)
23 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 =	805
Q_5 =	1,070
Q_{10} =	1,270
Q_{25} =	1,560
Q_{50} =	1,800
Q_{100} =	2,060
Q_{200} =	2,350
Q_{500} =	2,780

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	2.924
Standard Deviation	=	0.134
Station Skew	=	0.818

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1975	July 16	5.74	700	1984	May 5	6.08	840	1992	Aug. 21	6.47	1,010
1976	May 29	6.47	1,010	1985	Feb. 6	6.25	962	1993	Jan. 8	6.81	1,280
1977	Mar. 23	5.51	613	1986	June 11	5.96	802	1994	Mar. 3	5.97	826
1978	Jan. 26	6.04	850	1987	Mar. 1	6.12	891	1995	Feb. 18	6.78	1,240
1979	Feb. 25	6.21	950	1988	Sept. 10	4.98	460	1996	Mar. 7	5.94	691
1980	Mar. 13	6.10	880	1989	Apr. 11	5.51	613	1997	Feb. 15	6.20	840
1981	June 8	5.42	582	1990	Aug. 22	6.08	869	1998	---	---	---
1982	Jan. 1	5.73	696	1991	Oct. 12	7.87	2,040	1999	---	---	---
1983	Mar. 7	5.59	641								

02197315 UPPER THREE RUNS AT ROAD A AT SAVANNAH RIVER PLANT, S.C.

LOCATION.--Lat 33°14'20", long 81°44'42", Aiken County, Hydrologic Unit 03060106, near right bank, on downstream side of bridge at SRS Road A, 2.0 mi south of SRS Road 2, at Savannah River Plant.

DRAINAGE AREA.--203 mi^2.

PERIOD OF RECORD.--June 1974 to January 1978, October 1978 to current year.

GAGE.--Data collection platform. Elevation of gage is 90 ft above sea level (from topographic map).

REMARKS.--Data affected by backwater from the Savannah River. The site was not used in the regional regression.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 2,580 ft^3/s, Oct. 12, 1990, gage height, 7.89 ft.

STAGE-DISCHARGE RELATION.--Define by current-meter measurements below 1,000 ft^3/s and graphically extended on logarithmic plotting paper.

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1975	July 16	5.74	626	1984	May 5	6.01	861	1992	Aug. 14	6.17	926
1976	May 29	6.76	1,230	1985	Feb. 7	6.09	893	1993	Jan. 9	6.50	---
1977	Mar. 23	5.62	717	1986	Nov. 23	5.80	780	1994	Mar. 3	5.48	667
[1]1978	---	---	---	1987	Mar. 1	6.03	869	1995	Feb. 18	6.35	1,010
1979	Feb. 25	6.33	730	1988	Sept. 11	4.49	428	1996	Mar. 8	5.27	638
1980	Mar. 14	6.23	951	1989	Apr. 11	5.23	592	1997	Feb. 15	5.58	709
1981	Feb. 12	5.33	620	1990	Aug. 22	5.15	572	1998	Mar. 9	6.33	1,200
1982	Jan. 2	5.83	793	1991	Oct. 12	7.89	2,580	1999	Jan. 25	5.38	717
1983	Apr. 11	6.36	1,010								

[1]No record for period of Jan. 10, 1978 to Oct. 26, 1978 because gage was removed for construction of new bridge.

SAVANNAH RIVER BASIN

02197410 MILLER CREEK TRIBUTARY NEAR BALDOC, S.C.

LOCATION.--Lat 33º04'08", long 81º24'26", Allendale County, Hydrologic Unit 03060106, on State Highway 125, 0.6 mi upstream from Miller Creek, and 1.1 mi southeast of Baldoc.

DRAINAGE AREA.--7.82 mi^2.

PERIOD OF RECORD.--September 1977 to October 1998.

GAGE.--Crest-stage partial-record station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 617 ft^3/s, Oct. 11, 1992, gage height, 6.19 ft.

STAGE-DISCHARGE RELATION.**--**Defined by indirect measurement of peak flow.

FLOOD-FREQUENCY DATA (ft^3/s)
20 YEARS OF RECORD
LOG-PEARSON TYPE III

Q_2 = 286
Q_5 = 430
Q_{10} = 534
Q_{25} = 677
Q_{50} = 791
Q_{100} = 910
Q_{200} = 1,040
Q_{500} = 1,220

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	2.460
Standard Deviation	=	0.207
Station Skew	=	0.218
Weighted Skew	=	0.115

Peak Stages and Discharges

Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)	Water Year	Date	Gage Height (ft)	Discharge (ft^3/s)
1977	Mar. 20	4.55	300	1985	May 23	3.88	180	1993	Oct. 11	6.19	617
1978	Jan. 25	4.75	337	1986	Dec. 13	5.40	540	1994	Mar. 5	3.63	144
1979	Sept. 5	5.84	548	1987	Mar. 1	4.08	215	1995	Oct. 14	4.02	185
1980	Mar. 13	6.05	590	1988	Sept. 9	4.29	270	1996	---	---	---
1981	Apr. 1	3.74	156	1989	Oct. 8	4.69	326	1997	---	---	---
1982	Jan. 1	4.16	229	1990	Oct. 7	4.22	312	1998	Mar. 10	5.19	404
1983	Feb. 17	3.87	178	1991	Aug. 4	5.52	485	1999	---	---	---
1984	Aug. 20	4.31	256	1992	Apr. 23	4.12	165				