

02173000 SOUTH FORK EDISTO RIVER NEAR DENMARK, SC

LOCATION.--Lat 33°23'35"', long 81°08'00"', 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<sup>2</sup>, approximately (measured on topographic and highway planning survey maps).

PERIOD OF RECORD.--August 1931 to September 1971, October 1980 to current year.

GAGE.--Data collection platform. 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.

REMARKS.--No estimated daily discharges. Records good.

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<sup>3</sup>/s by conveyance-slope study).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	515	383	496	519	1340	591	635	414	187	311	388	226
2	522	398	498	516	1190	586	607	402	183	318	451	227
3	539	417	499	514	1060	579	587	385	178	323	479	256
4	559	428	488	515	972	582	571	370	176	340	507	309
5	580	442	476	539	920	592	557	353	176	371	508	394
6	574	457	473	553	887	589	539	342	186	403	483	435
7	537	475	471	560	842	592	525	333	197	420	472	450
8	516	486	470	561	792	581	513	317	206	378	468	454
9	501	484	470	558	749	570	510	303	213	299	441	454
10	494	471	470	597	715	572	504	289	199	265	378	454
11	486	463	470	667	688	629	495	280	187	252	325	464
12	471	466	470	702	670	669	486	272	181	251	298	489
13	477	467	470	733	658	672	486	259	179	254	274	508
14	483	457	483	737	671	657	492	251	187	249	257	492
15	485	455	497	704	718	641	536	241	187	253	242	402
16	485	453	506	696	730	631	568	230	200	260	225	325
17	484	446	512	731	737	719	566	224	192	265	216	292
18	487	442	519	746	729	767	560	224	188	263	207	283
19	486	443	549	698	720	736	551	219	201	238	199	328
20	490	445	587	654	726	831	550	214	260	210	198	362
21	494	454	590	639	736	1060	548	209	401	193	198	414
22	483	460	590	630	720	1130	519	213	398	184	197	448
23	462	461	590	649	683	1070	479	218	399	185	194	705
24	443	468	590	750	652	959	451	210	377	219	188	867
25	430	472	590	945	632	874	439	207	317	237	228	920
26	419	481	585	1140	618	889	430	205	283	239	237	1030
27	408	507	581	1210	609	895	418	205	365	251	226	1030
28	396	520	576	1210	604	824	422	203	374	270	225	981
29	388	528	561	1310	598	738	430	200	341	353	223	981
30	383	495	542	1500	---	680	423	195	324	403	218	936
31	383	---	527	1490	---	662	---	190	---	389	222	---
TOTAL	14860	13824	16196	23973	22366	22567	15397	8177	7442	8846	9372	15916
MEAN	479	461	522	773	771	728	513	264	248	285	302	531
MAX	580	528	590	1500	1340	1130	635	414	401	420	508	1030
MIN	383	383	470	514	598	570	418	190	176	184	188	226
CFSM	.67	.64	.73	1.07	1.07	1.01	.71	.37	.34	.40	.42	.74
IN.	.77	.71	.84	1.24	1.16	1.17	.80	.42	.38	.46	.48	.82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2000, BY WATER YEAR (WY)

	MEAN	MAX	MIN
1931	615	2436	250
1932	671	1786	358
1933	825	2190	456
1934	980	1940	446
1935	1079	2688	555
1936	1146	2328	544
1937	1013	3017	421
1938	673	1587	264
1939	563	1331	233
1940	526	1257	196
1941	579	1507	238
1942	556	2177	211
1943	581	2164	211
1944	581	1964	211
1945	581	1964	211
1946	581	1964	211
1947	581	1964	211
1948	581	1964	211
1949	581	1964	211
1950	581	1964	211
1951	581	1964	211
1952	581	1964	211
1953	581	1964	211
1954	581	1964	211
1955	581	1964	211
1956	581	1964	211
1957	581	1964	211
1958	581	1964	211
1959	581	1964	211
1960	581	1964	211

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SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1931 - 2000	
ANNUAL TOTAL	198310		178936			
ANNUAL MEAN	543		489		764	
HIGHEST ANNUAL MEAN					1468	1965
LOWEST ANNUAL MEAN					453	1955
HIGHEST DAILY MEAN	1290	a Jan 25	1500	Jan 30	12700	Apr 11 1936
LOWEST DAILY MEAN	219	Aug 13	176	Jun 4	133	Jul 13 1990
ANNUAL SEVEN-DAY MINIMUM	229	Aug 8	182	May 31	138	Jul 7 1990
INSTANTANEOUS PEAK FLOW			1540	Jan 30	b 13500	Apr 11 1936
INSTANTANEOUS PEAK STAGE			7.07	Jan 30	10.91	Apr 11 1936
ANNUAL RUNOFF (CFSM)	.75		.68		1.06	
ANNUAL RUNOFF (INCHES)	10.25		9.25		14.41	
10 PERCENT EXCEEDS	755		737		1340	
50 PERCENT EXCEEDS	516		472		639	
90 PERCENT EXCEEDS	277		210		341	

a Also occurred Jan. 26.

b From rating curve extended above 7,100 ft<sup>3</sup>/s on basis of velocity-area studies.

