

## SANTEE RIVER BASIN

02173500 NORTH FORK EDISTO RIVER AT ORANGEBURG, SC

LOCATION.--Lat 33°29'00'', long 80°52'25'', 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<sup>2</sup>.

REVISED RECORDS.--WSP 1032: Drainage area.

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

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

REMARKS.--Records good except for estimated daily discharges, which are poor. About 13 ft<sup>3</sup>/s is diverted by City of Orangeburg for municipal supply.

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

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	592	377	468	454	1250	563	652	399	209	349	352	290
2	598	392	458	457	1120	553	618	392	200	349	340	307
3	585	394	448	454	1020	539	e590	387	195	337	374	313
4	553	396	439	467	941	565	e560	381	194	315	406	327
5	519	402	430	500	888	577	e546	364	213	293	398	367
6	477	407	425	510	852	547	533	347	228	271	387	416
7	445	411	426	516	821	538	515	328	231	261	369	446
8	431	410	424	519	775	532	503	319	250	264	348	449
9	421	405	428	507	726	521	e500	312	250	260	332	438
10	414	397	433	634	691	544	e495	302	238	250	313	434
11	418	392	434	735	663	835	e487	295	221	241	285	434
12	406	392	431	746	643	938	e475	286	209	240	271	442
13	423	397	427	711	629	952	e470	278	197	249	259	443
14	419	404	438	693	678	830	e470	269	196	288	246	407
15	425	408	443	671	741	742	524	261	202	333	235	353
16	435	409	443	671	775	750	561	254	236	352	227	314
17	456	411	445	686	774	833	556	246	313	358	215	294
18	462	408	444	686	759	856	552	245	290	343	205	292
19	455	409	561	631	743	826	543	241	278	311	205	299
20	449	410	617	626	725	1030	527	239	309	276	204	306
21	444	412	626	633	721	1290	508	237	327	249	200	320
22	436	412	610	622	709	1350	472	238	324	229	202	353
23	428	415	604	687	668	1210	441	247	327	266	201	777
24	418	420	580	845	622	1050	422	241	318	387	200	756
25	405	423	551	1120	593	946	413	233	306	348	221	865
26	394	459	533	1400	575	900	407	235	338	345	249	1040
27	383	464	518	1580	571	906	400	236	422	348	269	974
28	378	462	500	1470	581	875	409	233	377	389	283	863
29	374	468	481	1370	577	803	415	230	321	450	277	777
30	371	474	468	1400	---	729	409	225	366	397	263	723
31	370	---	457	1380	---	688	---	212	---	393	273	---
TOTAL	13784	12440	14990	24381	21831	24818	14973	8712	8085	9741	8609	14819
MEAN	445	415	484	786	753	801	499	281	270	314	278	494
MAX	598	474	626	1580	1250	1350	652	399	422	450	406	1040
MIN	370	377	424	454	571	521	400	212	194	229	200	290
CFSM	.65	.61	.71	1.15	1.10	1.17	.73	.41	.39	.46	.41	.72
IN.	.75	.68	.82	1.33	1.19	1.35	.82	.47	.44	.53	.47	.81

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2000, BY WATER YEAR (WY)

	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
MEAN	641	660	794	952	1029	1097	945	699	636	614	651	625
MAX	2585	1467	1748	2208	2249	1949	1986	1447	1628	1426	1666	1904
(WY)	1965	1960	1949	1993	1960	1971	1961	1975	1973	1964	1991	1964
MIN	264	333	391	396	512	524	443	281	239	238	239	221
(WY)	1955	1955	1956	1956	1957	1955	1945	2000	1956	1986	1954	1954

SUMMARY STATISTICS	02173500 NORTH FORK EDISTO RIVER AT ORANGEBURG, SC--Continued		WATER YEARS 1939 - 2000	
	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR		
ANNUAL TOTAL	195073	177183		
ANNUAL MEAN	534	484	779	
HIGHEST ANNUAL MEAN			1389	1965
LOWEST ANNUAL MEAN			437	1956
HIGHEST DAILY MEAN	1430	Jan 26	1580	Jan 27
LOWEST DAILY MEAN	222	Aug 13	194	Jun 4
ANNUAL SEVEN-DAY MINIMUM	228	Aug 9	202	Aug 18
INSTANTANEOUS PEAK FLOW			1600	Jan 27
INSTANTANEOUS PEAK STAGE			7.72	Jan 27
INSTANTANEOUS LOW FLOW			190	a Jun 3
ANNUAL RUNOFF (CFSM)	.78		.71	1.14
ANNUAL RUNOFF (INCHES)	10.62		9.65	15.49
10 PERCENT EXCEEDS	806		785	1280
50 PERCENT EXCEEDS	471		424	672
90 PERCENT EXCEEDS	293		240	380

- a Also occurred Jun. 4.
- b From rating curve extended above 5,300 ft<sup>3</sup>/s by velocity-area studies.
- c Also occurred Jun. 3, 4, 2000.
- e Estimated

