

## EDISTO RIVER BASIN

02173030 SOUTH FORK EDISTO RIVER NEAR COPE, SC

LOCATION.--Lat 33°21'32'', long 81°03'35'', Orangeburg County, Hydrologic Unit 03050204, on downstream side of trestle on old Seaboard Coastline Railroad, at South Carolina Electric and Gas Company Cope Power Plant, 4.6 mi north-northwest of Bamberg, and at mile 130.9.

DRAINAGE AREA.--757 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1991 to current year.

GAGE.--Data collection platform. Datum of gage is 139.23 ft above sea level.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	523	446	543	726	1050	732	760	740	288	724	277	296
2	530	448	542	714	1120	702	797	807	280	711	269	281
3	538	452	543	758	1180	680	773	808	273	652	266	264
4	552	453	543	753	1220	665	726	822	271	598	254	248
5	576	452	546	734	1230	643	697	807	270	561	246	239
6	569	456	539	726	1190	630	673	766	268	570	237	234
7	561	460	533	724	1210	625	664	727	271	650	231	232
8	551	467	530	712	1250	622	660	695	266	595	227	231
9	548	475	531	709	1150	629	643	624	254	552	226	230
10	557	488	531	719	1030	648	606	541	246	501	225	228
11	564	496	533	707	933	659	570	494	243	473	226	230
12	568	500	532	672	865	661	541	483	241	545	223	239
13	568	500	545	631	813	658	515	496	240	642	220	252
14	568	502	549	607	777	686	499	482	239	737	218	264
15	566	521	555	637	748	734	509	453	252	797	226	282
16	552	537	587	663	715	789	530	431	327	820	245	293
17	525	550	608	693	694	833	528	408	413	771	276	298
18	497	555	622	756	691	839	522	390	627	776	291	299
19	479	564	635	806	690	812	505	391	623	786	311	300
20	470	572	651	845	695	805	484	390	523	698	355	305
21	463	579	652	875	699	841	463	384	498	575	340	335
22	459	584	653	895	696	840	444	377	538	496	321	385
23	456	589	654	927	694	778	426	370	605	454	305	397
24	452	592	647	1190	695	716	411	365	612	434	296	405
25	448	586	655	1350	714	695	402	354	533	409	300	413
26	447	573	681	1420	757	734	399	346	470	370	314	427
27	445	556	697	1350	787	768	413	336	496	340	351	464
28	442	551	719	1200	769	774	440	323	625	322	359	497
29	442	548	733	1100	---	776	489	313	672	321	361	526
30	443	544	731	1080	---	755	570	306	699	313	348	527
31	446	---	726	1060	---	727	---	298	---	291	319	---
TOTAL	15805	15596	18746	26739	25062	22456	16659	15527	12163	17484	8663	9621
MEAN	510	520	605	863	895	724	555	501	405	564	279	321
MAX	576	592	733	1420	1250	841	797	822	699	820	361	527
MIN	442	446	530	607	690	622	399	298	239	291	218	228
CFSM	.67	.69	.80	1.14	1.18	.96	.73	.66	.54	.75	.37	.42
IN.	.78	.77	.92	1.31	1.23	1.10	.82	.76	.60	.86	.43	.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1999, BY WATER YEAR (WY)

	1991	1992	1993	1994	1995	1996	1997	1998	1999
MEAN	691	778	905	1294	1298	1243	937	718	586
MAX	1058	1053	1253	2236	2236	2115	1690	1762	813
(WY)	1995	1993	1998	1993	1998	1998	1998	1998	1995
MIN	507	520	605	840	844	724	555	457	405
(WY)	1994	1999	1999	1992	1992	1999	1999	1994	1999

SUMMARY STATISTICS	02173030 SOUTH FORK EDISTO RIVER NEAR COPE, SC--Continued		FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1991 - 1999	
ANNUAL TOTAL	410407		204521				843	
ANNUAL MEAN	1124		560				1226	1998
HIGHEST ANNUAL MEAN							560	1999
LOWEST ANNUAL MEAN							6510	May 9 1998
HIGHEST DAILY MEAN	6510	May 9	1420	Jan 26	6510	May 9 1998	218	Aug 14 1999
LOWEST DAILY MEAN	301	Jul 10	218	Aug 14	218	Aug 14 1999	223	Aug 9 1999
ANNUAL SEVEN-DAY MINIMUM	315	Jul 5	223	Aug 9	223	Aug 9 1999	7610	* May 8 1998
INSTANTANEOUS PEAK FLOW			1430	Jan 26			10.86	* May 8 1998
INSTANTANEOUS PEAK STAGE			9.44	Jan 26			217	Sep 9 1997
INSTANTANEOUS LOW FLOW			218	** Aug 13			1.11	
ANNUAL RUNOFF (CFSM)	1.49		.74				15.13	
ANNUAL RUNOFF (INCHES)	20.17		10.05				1400	
10 PERCENT EXCEEDS	2280		805				720	
50 PERCENT EXCEEDS	650		545				423	
90 PERCENT EXCEEDS	439		270					

\* Also occurred May 9, 1998.

\*\* Also occurred Aug. 14.

