

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 mi².

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

GAGE.--Data collection platform. Datum of gage is 139.23 ft above NGVD of 1929.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

Discharge, cubic feet per second
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	771	363	e990	641	526	1050	1500	555	467	514	411	640
2	684	363	e930	612	539	1100	1740	529	541	534	393	553
3	639	361	e870	590	580	1150	1750	498	689	570	378	459
4	715	363	e790	566	626	1100	1550	469	892	715	374	398
5	876	369	e710	542	655	980	1300	448	1110	754	380	366
6	870	376	e650	520	689	888	1120	436	1170	723	401	344
7	783	384	e610	502	715	843	1000	431	1090	714	404	331
8	694	392	583	487	700	821	962	426	1150	668	392	316
9	620	400	559	477	686	777	918	407	1220	720	401	300
10	553	397	546	465	720	727	859	385	1110	926	406	285
11	497	393	545	459	752	693	794	379	917	817	447	272
12	453	392	593	455	749	661	742	385	790	718	618	261
13	427	393	658	453	713	638	712	387	715	690	692	253
14	402	397	651	522	673	621	727	389	688	722	633	245
15	399	389	605	595	655	635	792	380	672	680	563	241
16	392	384	565	621	654	715	814	382	672	673	546	237
17	390	381	540	623	669	796	768	370	625	682	557	235
18	389	381	541	623	649	789	703	360	575	707	606	230
19	386	388	552	617	606	771	654	351	547	690	655	228
20	382	407	542	613	565	741	630	359	524	668	613	228
21	377	433	520	639	558	712	618	390	463	699	593	224
22	372	437	497	676	626	705	598	421	391	772	560	222
23	369	440	486	662	674	748	582	445	349	685	570	219
24	363	578	480	597	743	759	544	443	332	652	734	217
25	363	696	482	542	825	724	524	419	331	663	1230	216
26	361	e750	524	507	843	684	518	390	331	610	1050	216
27	359	e770	577	487	866	918	514	375	338	521	888	217
28	359	e880	616	466	983	1300	504	355	362	430	751	219
29	359	e1000	640	462	---	1450	505	327	413	372	703	221
30	361	e1030	654	487	---	1560	533	374	482	370	676	223
31	361	---	660	508	---	1510	---	446	---	378	661	---
TOTAL	15326	14687	19166	17016	19239	27566	25475	12711	19956	20037	18286	8616
MEAN	494	490	618	549	687	889	849	410	665	646	590	287
MAX	876	1030	990	676	983	1560	1750	555	1220	926	1230	640
MIN	359	361	480	453	526	621	504	327	331	370	374	216
CFSM	0.65	0.65	0.82	0.73	0.91	1.17	1.12	0.54	0.88	0.85	0.78	0.38
IN.	0.75	0.72	0.94	0.84	0.95	1.35	1.25	0.62	0.98	0.98	0.90	0.42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2005, BY WATER YEAR (WY)

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	563	634	741	984	1061	1102	845	603	577	570	601	533			
MAX	1058	1053	1253	2236	2236	2115	1690	1762	1417	1507	1420	957			
(WY)	1995	1993	1998	1993	1998	1998	1998	1998	2003	2003	1991	1995			
MIN	250	289	348	469	518	492	382	240	131	168	130	239			
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002			

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1991 - 2005	
ANNUAL TOTAL	211469		218081		726	
ANNUAL MEAN	578		597		1226	
HIGHEST ANNUAL MEAN					304	
LOWEST ANNUAL MEAN					6510	
HIGHEST DAILY MEAN	1820	Feb 27	1750	Apr 3	87	May 9 1998
LOWEST DAILY MEAN	194	Aug 11	216	a Sep 25	91	Aug 14 2002
ANNUAL SEVEN-DAY MINIMUM	215	Aug 7	218	Sep 23	7610	May 8 1998
MAXIMUM PEAK FLOW			1830		b Apr 2	10.86
MAXIMUM PEAK STAGE			9.70		b Apr 2	0.960
ANNUAL RUNOFF (CFSM)	0.763		0.789		13.04	
ANNUAL RUNOFF (INCHES)	10.39		10.72			
10 PERCENT EXCEEDS	1000		888		1260	
50 PERCENT EXCEEDS	498		565		599	
90 PERCENT EXCEEDS	288		359		294	

a Also occurred Sep. 26.
 b Also occurred Apr. 3.
 e Estimated

