

## EDISTO RIVER BASIN

02175000 EDISTO RIVER NEAR GIVHANS, SC

LOCATION.--Lat 33°01'40'', long 80°23'30'', Dorchester County, Hydrologic Unit 03050205, on left bank at downstream side of bridge on State Highway 61, 2.3 mi downstream from Four Hole Swamp, 2.8 mi west of Givhans, and at mile 59.9.

DRAINAGE AREA.--2,730 mi<sup>2</sup>, approximately.

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

REVISED RECORDS.--WSP 1032: Drainage area. WSP 1303: 1939 (monthly and yearly runoff).

GAGE.--Data collection platform. Datum of gage is 20.46 ft above sea level.

REMARKS.--Records good except for estimated daily discharges, which are poor. About 60 ft<sup>3</sup>/s diverted above station for municipal and industrial water supply during year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1904, 17.5 ft in February 1925, from investigation by Charleston Commissioners of Public Works, discharge, 24,900 ft<sup>3</sup>/s.

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	1740	1090	959	1950	6570	2150	3910	882	371	719	694	518
2	1670	1060	965	1830	6940	2070	3530	847	365	667	694	513
3	1560	1020	978	1710	6910	1980	3200	814	355	628	711	522
4	1460	991	984	1600	6660	1930	2890	786	360	589	774	579
5	1390	967	981	1540	6380	1910	2590	752	366	560	924	668
6	1330	944	985	1490	6030	1870	2330	722	349	544	961	832
7	1300	926	995	1490	5580	1830	2090	694	337	528	924	902
8	1300	916	1000	1520	5120	1810	1920	661	340	518	e1000	880
9	1280	909	1000	1560	4680	1790	1810	629	347	517	e1040	875
10	1260	901	998	1590	4250	1750	1690	600	349	520	e1090	880
11	1230	892	988	1620	3900	1690	1580	574	358	517	e1120	866
12	1360	885	981	1660	3590	1670	1460	552	365	e503	e1120	835
13	1560	878	975	1750	3310	1660	1370	531	357	490	e1100	805
14	1710	874	999	1840	3150	1710	1610	510	341	502	e1070	782
15	1730	864	1030	1940	3080	1820	1970	494	348	516	e1010	773
16	1690	850	1050	2020	3050	1970	2080	485	335	485	e940	765
17	1680	839	1040	2060	3040	2160	2010	470	323	e470	e890	754
18	1940	839	1030	2090	3020	2340	1890	459	326	470	e850	765
19	2100	835	1180	2100	3010	2460	1770	e446	351	477	e800	764
20	2050	831	1670	2130	3030	2710	1670	435	396	482	e750	747
21	2010	822	2080	2140	3050	3350	1590	427	403	476	e720	850
22	2010	814	2290	2160	3050	4310	1500	420	410	457	683	1060
23	1970	806	2390	2210	2990	5020	1410	414	424	471	549	1760
24	1870	804	2400	2300	2870	5350	1330	407	472	610	486	2430
25	1740	813	2360	2770	2730	5520	1250	403	511	669	461	2640
26	1630	841	2280	3480	2600	5680	1160	403	527	857	473	2570
27	1520	885	2210	4320	2500	5760	1080	408	536	955	475	2470
28	1420	919	2190	4730	2390	5690	1000	398	537	869	490	2440
29	1320	947	2170	4860	2260	5390	945	392	585	786	516	2510
30	1230	960	2120	5230	---	4920	906	382	700	723	530	2600
31	1150	---	2050	5930	---	4390	---	378	---	701	526	---
TOTAL	49210	26922	45328	75620	115740	94660	55541	16775	12144	18276	24371	36355
MEAN	1587	897	1462	2439	3991	3054	1851	541	405	590	786	1212
MAX	2100	1090	2400	5930	6940	5760	3910	882	700	955	1120	2640
MIN	1150	804	959	1490	2260	1660	906	378	323	457	461	513
CFSM	.58	.33	.54	.89	1.46	1.12	.68	.20	.15	.22	.29	.44
IN.	.67	.37	.62	1.03	1.58	1.29	.76	.23	.17	.25	.33	.50

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	1848	1618	2438	3344	4277	4740	3698	2193	1756	1685	1907	1900
MAX	13060	7657	10790	11100	12450	9984	8972	5857	9000	7902	8300	9478
(WY)	1965	1960	1949	1993	1998	1998	1961	1984	1973	1941	1991	1964
MIN	415	544	812	1096	1125	1171	1054	541	405	352	344	385
(WY)	1955	1955	1955	1956	1989	1955	1985	2000	2000	1988	1988	1954

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SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1939 - 2000	
ANNUAL TOTAL	541233		570942		2613	
ANNUAL MEAN	1483		1560		5225	
HIGHEST ANNUAL MEAN					1191	
LOWEST ANNUAL MEAN					1955	
HIGHEST DAILY MEAN	4700	Feb 6	6940	Feb 2	24100	Jun 14 1973
LOWEST DAILY MEAN	397	Aug 13	323	Jun 17	252	Jul 13 1990
ANNUAL SEVEN-DAY MINIMUM	406	Aug 11	340	Jun 13	257	Jul 11 1990
INSTANTANEOUS PEAK FLOW			6980	a Feb 2	24500	Jun 14 1973
INSTANTANEOUS PEAK STAGE			11.20	a Feb 2	15.84	Jun 14 1973
INSTANTANEOUS LOW FLOW			320	Jun 17	250	Jul 13 1990
ANNUAL RUNOFF (CFSM)	.54		.57		.96	
ANNUAL RUNOFF (INCHES)	7.38		7.78		13.00	
10 PERCENT EXCEEDS	2580		3050		5460	
50 PERCENT EXCEEDS	1240		1020		1800	
90 PERCENT EXCEEDS	516		454		729	

a Also occurred Feb. 3.

e Estimated

