

WACCAMAW RIVER BASIN

02110815 WACCAMAW RIVER AT HAGLEY LANDING NEAR PAWLEYS ISLAND, SC

LOCATION.--Lat 33°26'10'', long 79°10'51'', Georgetown County, Hydrologic Unit 03040206, on left bank at Hagley Landing, 0.2 mi upstream of Jericho Creek, 3.2 mi west of Pawleys Island and at mile 6.9.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1989 to current year.

GAGE.--Data collection platform. Datum of gage is 14.14 ft below sea level.

REMARKS.--Records poor. Discharge records for the 1990-2000 water years are computed by utilization of the One-Dimensional unsteady flow simulation model (BRANCH). Three auxiliary stations (02110705, 02110802, and 02135190) are used in conjunction with this station for computation of discharge. Negative daily mean discharges are computed on many days, which are caused by two complete incoming and only one outgoing tide cycles during the day.

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	39000	29000	6770	8070	28000	26300	e17000	10600	1720	1270	e1200	e4500
2	39100	27500	5590	8510	27900	18700	e17000	11000	1870	3830	913	e5000
3	38000	29100	7780	8980	28100	14300	e16000	5460	1300	3240	8420	e6000
4	35900	22800	8690	8410	28400	16100	e16500	7650	3680	6630	8540	e7000
5	34100	22800	5860	7100	26400	14300	e16000	9160	7130	6610	7380	e7500
6	31200	21700	8990	3940	27600	15200	e16000	10800	10500	3050	6860	e8000
7	31800	18800	3660	9560	29000	12500	e15500	e11600	3960	2760	9080	e8000
8	30200	15800	4480	6890	26300	14000	e15500	e8800	6470	e3000	7320	e8500
9	e29500	17300	5620	9030	28300	14000	e15000	e8520	7490	e6000	5810	e8500
10	e29000	16300	7870	12600	28000	16400	e14500	e11200	4920	9710	6140	e8500
11	e28400	14000	4390	11900	33700	13200	14000	e6410	3980	3150	4230	e9000
12	e27900	10600	7540	8030	30600	18000	12800	e5070	4700	-2840	6150	e9000
13	e27300	13100	9000	14600	28400	11500	7390	6160	3390	599	3540	e9000
14	26700	15900	10700	12500	29800	11000	9010	1860	2220	3900	5240	e8500
15	24400	10200	5230	12300	26700	9320	11800	3000	2280	3820	4720	e8500
16	24100	11900	6170	15500	26100	8130	12200	4350	3800	e3500	7610	e8500
17	28300	8750	5190	9120	21800	e7900	8360	5030	5350	e3500	4440	e9000
18	33700	8990	4290	10300	24300	e8500	12100	4600	4780	e3000	5170	e9200
19	28400	8590	4390	11000	25400	e9500	8950	5060	5320	e3000	5270	e9500
20	32800	7400	11500	12700	23200	e10000	10400	3940	2650	e2500	4130	e9900
21	28200	5050	6380	10900	25100	e12000	14500	3180	4620	e2500	5640	9610
22	30000	5070	7100	10600	25100	e13000	15300	6630	7630	e2500	6470	6050
23	31500	4120	7150	14400	27200	e13500	14000	4500	5380	e2000	6790	9240
24	30400	4280	9940	12000	28000	e14000	12900	7140	4760	e2000	4800	8340
25	30600	6830	11600	20100	28200	e15000	20700	4600	6460	e2500	2780	9510
26	31800	8860	16700	23200	27300	e15500	10700	2830	4860	e2500	-520	e9700
27	33600	11900	10100	23900	25800	e16000	10700	4390	3480	e2000	2110	e10500
28	33600	8290	13900	24900	24800	e16000	10700	3920	2080	e2000	2410	e10500
29	34400	9450	10800	22900	e25000	e16500	9520	1150	2070	e2000	100	e11000
30	34900	10000	10200	25900	---	e17000	10500	-1670	-2550	e1500	1880	e11500
31	33600	---	10100	27600	---	e16500	---	77	---	e1500	4530	---
TOTAL	972400	404380	247680	417440	784500	433850	395530	177017	126300	93229	149153	257550
MEAN	31370	13480	7990	13470	27050	14000	13180	5710	4210	3007	4811	8585
MAX	39100	29100	16700	27600	33700	26300	20700	11600	10500	9710	9080	11500
MIN	24100	4120	3660	3940	21800	7900	7390	-1670	-2550	-2840	-520	4500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2000, BY WATER YEAR (WY)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
MEAN	14410	12340	13410	16780	22810	22280	17780	12820	8874	4903	8996	10950
MAX	31370	25100	24610	25520	38290	31750	41350	19760	17380	6674	18460	24910
(WY)	2000	1991	1993	1998	1998	1998	1993	1991	1992	1992	1991	1996
MIN	4092	3179	5580	12850	12490	12110	7194	3811	4210	2650	2655	3936
(WY)	1999	1999	1999	1999	1992	1999	1995	1995	2000	1998	1999	1990

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SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1990 - 2000	
ANNUAL TOTAL	4609626		4459029		13520	
ANNUAL MEAN	12630		12180		15830	
HIGHEST ANNUAL MEAN					1998	
LOWEST ANNUAL MEAN					1999	
HIGHEST DAILY MEAN	39300	Sep 30	39100	Oct 2	62500	Jan 22 1993
LOWEST DAILY MEAN	-2210	Aug 10	-2840	Jul 12	-2840	Jul 12 2000
ANNUAL SEVEN-DAY MINIMUM	798	Aug 7	1160	May 29	-619	Jul 6 1998
INSTANTANEOUS PEAK STAGE			18.73	Oct 17	19.48	Dec 31 1994
10 PERCENT EXCEEDS	29000		28100		27200	
50 PERCENT EXCEEDS	10400		9140		12200	
90 PERCENT EXCEEDS	2560		2770		3320	

e Estimated

