

WACCAMAW RIVER BASIN

02110760 AIW AT MYRTLEWOOD GOLF COURSE AT MYRTLE BEACH, SC

LOCATION.--Lat 33°44'26'', long 78°52'01'', Horry County, Hydrologic Unit 03040207, on East bank of the Atlantic Intracoastal Waterway, 50 ft south of Black Creek, 3.5 mi northeast of Myrtle Beach and at AIW mile 361.8.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1983 to September 1990, February 2001 to current year.

GAGE.--Data collection platform and acoustic velocity meter. Datum of gage is 12.07 ft below NGVD of 1929.

REMARKS.--This site is strongly affected by astronomical tides. The astronomical tides occur at primary harmonic periods of 12.42 hours for semi-diurnal tides and 24.84 hours for diurnal tides. Previously published 24-hour daily mean discharge for this site may have been affected by aliasing due to tides and, thus, may contain spurious fluctuations or oscillations that were not indicative of net downstream discharge. Negative flow is south towards Georgetown. Discharge records for the 1983-1990 water years were computed by utilization of a One-Dimensional unsteady flow simulation model (BRANCH) and are rated poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,210 ft³/s, Apr. 1, 1983, maximum gage height, 18.50 ft, Apr. 1, 2003; minimum discharge, -6060 ft³/s, May 19, 2003, minimum gage height, 11.15 ft, Apr. 18, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,540 ft³/s, Sep. 22, maximum gage height, 17.49 ft, Sep. 21; minimum discharge, -5,420 ft³/s, Oct. 29, minimum gage height, 11.15 ft, Apr. 18.

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	3980	-4350	3930	-4060	2840	-3090	3170	-2960	3140	-3390	3470	-1740
2	4060	-4000	3900	-3720	3140	-3320	3240	-3350	3340	-3690	3300	-2150
3	4000	-4530	3960	-3990	3120	-3190	3080	-3320	3580	-3930	3310	-2630
4	3920	-3690	3950	-3660	3370	-3790	3210	-3080	3020	-3720	3590	-3170
5	3600	-3660	3930	-3820	3350	-3730	3150	-3240	3290	-3910	3710	-3170
6	3550	-3810	3740	-4180	3210	-3770	3220	-3470	3400	-3920	3970	-3170
7	3440	-4230	3810	-4080	3580	-3520	3400	-3590	3510	-3480	3840	-3650
8	3550	-4430	3890	-4230	3560	-3940	3300	-3830	---	---	3860	-4330
9	3970	-4270	3990	-3710	3640	-3730	3430	-3830	3420	-4070	4000	-3640
10	3870	-4230	3900	-3880	3730	-4110	3490	-4310	3360	-3630	4120	-3450
11	3830	-4110	3890	-3780	3620	-3360	3500	-4270	3140	-3530	4100	-3090
12	3790	-4180	3510	-3520	3400	-3830	3240	-3150	3400	-3050	3950	-3030
13	3840	-4560	3000	-3650	3470	-3750	3030	-3810	3520	-3930	3780	-2910
14	3670	-4220	3350	-3070	3780	-3590	3170	-3890	3580	-3150	3990	-3040
15	3530	-3770	3180	-3370	3290	-3460	3220	-3270	3930	-3030	3560	-3300
16	3440	-4020	3350	-3280	3350	-3450	3270	-3890	3790	-3990	3710	-3310
17	3260	-3200	3120	-3180	3460	-3230	3360	-4010	4310	-3950	3680	-4030
18	3060	-3680	3220	-3170	3310	-4040	3650	-4100	4160	-3700	3860	-4170
19	3580	-3350	3520	-4070	3360	-4150	3290	-4420	4100	-4010	3850	-4330
20	3300	-3590	3580	-4040	3460	-3900	3440	-4230	4100	-3650	4060	-4410
21	3490	-3880	3710	-4710	3620	-4570	3580	-4390	3960	-2890	3930	-4250
22	3700	-4190	3700	-4770	3670	-4370	3430	-4420	4010	-3470	3650	-4130
23	3850	-4550	3910	-4760	3710	-4580	3160	-4230	3970	-3000	3740	-4500
24	3680	-4780	3950	-4940	3800	-4330	3130	-3950	3950	-2460	---	---
25	3930	-5010	3880	-5000	3580	-4220	3440	-4540	3960	-2310	---	---
26	3850	-5030	3960	-5120	3470	-4090	3620	-3770	4190	-2660	---	---
27	3810	-5210	3940	-5010	3600	-3920	3380	-3660	4040	-2390	---	---
28	3840	-4670	3940	-4090	3530	-3610	2720	-2420	3870	-2170	---	---
29	3940	-5420	2990	-3540	3290	-2960	2870	-2630	3700	-1040	---	---
30	3980	-4240	3170	-3340	3360	-2640	2910	-3050	---	---	---	---
31	3950	-4160	---	---	3170	-3150	2990	-3170	---	---	---	---
MONTH	4060	-5420	3990	-5120	3800	-4580	3650	-4540	---	---	---	---

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Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	2800	-3250	3240	-4290	3320	-4400	3500	-4900	3840	-3980
2	---	---	2910	-3940	3550	-4400	3530	-4680	3720	-5300	3910	-4070
3	---	---	2910	-3800	3460	-4690	3350	-4730	3780	-5010	4220	-3430
4	---	---	3050	-4500	3520	-4610	3470	-4680	3490	-4650	3970	-2990
5	---	---	3190	-4030	3430	-4320	---	---	3340	-4400	3900	-3110
6	---	---	3140	-4300	3460	-4610	3380	-4240	3240	-4540	3910	-2300
7	---	---	3160	-3860	3480	-4390	3400	-4290	3350	-4240	3700	-2860
8	3320	-4510	3060	-4010	3330	-4150	3280	-4170	3270	-3610	3640	-2350
9	3440	-4390	3260	-3470	3080	-4020	3150	-4230	3230	-3350	3700	-2040
10	3430	-3900	3200	-3850	3150	-3870	3020	-3840	3030	-3550	3700	-2600
11	3340	-3840	3540	-3830	3250	-3860	3190	-3880	2980	-3300	4060	-3090
12	3300	-3640	3370	-3840	3430	-4070	3360	-3610	2970	-3520	4000	-3140
13	3480	-4120	3310	-3850	3400	-4180	3340	-3630	3190	-3720	4350	-3840
14	2780	-3110	3230	-3810	3400	-3910	2940	-3860	4530	-3730	4430	-3100
15	---	---	3490	-3770	3220	-4030	2820	-3860	3460	-3740	4430	-2620
16	3590	-4050	3490	-3930	2990	-3780	3200	-3830	3840	-3470	4450	-2760
17	3480	-3780	3280	-4080	2930	-3620	3410	-3730	3780	-3650	4850	-3260
18	3420	-3270	3050	-4250	2860	-3650	3370	-4110	4090	-3610	4880	980
19	3310	-3800	3180	-3870	3040	-3800	3250	-4040	4030	-3330	4980	-2480
20	3080	-3850	3080	-3650	3220	-3680	3160	-3880	3720	-3810	5360	-3200
21	3050	-3770	2980	-3440	3460	-3830	3340	-3970	3570	-3530	5520	-1760
22	3240	-3770	3060	-3420	3270	-3420	3250	-3750	3540	-3760	5540	1310
23	2940	-3190	3090	-3380	2860	-3390	3220	-3530	3750	-3830	5260	423
24	2750	-3600	3040	-3240	---	---	3050	-3590	3980	-4260	5140	-2430
25	2800	-2970	2880	-3340	3050	-3370	3160	-3670	3850	-4310	5160	-2470
26	2850	-2360	2810	-3490	2880	-3210	3390	-3780	3660	-4400	5230	-3340
27	2590	-2410	2750	-3220	3250	-3640	3310	-3980	3640	-4910	5040	-3440
28	2830	-2920	3040	-3370	3240	-3890	3330	-4080	3850	-4820	5010	-942
29	2730	-2770	3200	-3610	---	---	3130	-4380	4000	-4870	4350	-2760
30	2700	-3270	3250	-4310	3330	-4150	3280	-4620	4200	-3810	4180	-3690
31	---	---	3280	-4290	---	---	3640	-4890	3730	-3980	---	---
MONTH	---	---	3540	-4500	---	---	---	---	4530	-5300	5540	-4070