

02110760 AIW AT MYRTLEWOOD GOLF COURSE AT MYRTLE BEACH, SC--Continued

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 ft<sup>3</sup>/s, Apr. 1, 1983, maximum gage height, 18.50 ft, Apr. 1, 2003; minimum discharge, -6060 ft<sup>3</sup>/s, May 19, 2003, minimum gage height, 11.15 ft, Apr. 18, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,710 ft<sup>3</sup>/s, Oct. 13, maximum gage height, 16.72 ft, Oct. 13; minimum discharge, -5,870 ft<sup>3</sup>/s, Feb. 28, minimum gage height, 11.58 ft, Dec. 12.

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

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	4110	-3990	---	---	3040	-3210	2980	-3250	3700	-2910	3830	-2220
2	4130	-3560	---	---	3100	-4000	2870	-3350	3710	-3130	3010	-2870
3	4200	-2760	---	---	2890	-3270	2950	-3100	3730	-3570	2820	-3070
4	3690	-2610	---	---	2890	-2610	2980	-2750	3740	-4110	3360	-2900
5	3670	-2140	---	---	2910	-2880	3020	-2810	3740	-4600	3310	-3060
6	3790	-2420	---	---	3070	-2660	3020	-3520	4000	-4710	3430	-3090
7	3870	-2490	2920	-3190	3500	-3280	3450	-3990	3860	-4700	3330	-3700
8	4130	-2690	3120	-3450	3060	-3420	3430	-4120	3880	-4950	---	---
9	4180	-1790	3400	-3430	3160	-3850	3530	-4340	3870	-4710	3600	-3940
10	4440	-2310	3280	-4030	3480	-4160	3650	-4730	3890	-4600	3540	-4010
11	4690	-2760	3480	-4240	3270	-4070	3790	-4570	3640	-4280	3600	-3620
12	4520	-3360	3530	-4400	3320	-4060	3280	-4670	3630	-4170	3590	-3690
13	4710	-3850	3350	-4270	3420	-3990	3320	-4760	3420	-3770	3370	-3870
14	4700	-3460	3470	-4570	3420	-3700	3430	-4460	3340	-3530	3400	-3270
15	4680	-4510	3540	-4550	3470	-3920	3320	-4130	3010	-2470	3530	-2880
16	4230	-3480	3390	-4320	---	---	3480	-3640	3010	-2960	3550	-2780
17	3700	-4250	3270	-4350	---	---	3560	-3420	3020	-3480	3630	-2290
18	3700	-3740	3230	-4130	3260	-3630	3400	-3310	3180	-3180	3560	-3080
19	3600	-3520	3190	-3630	3210	-3510	3370	-3160	2910	-3250	3750	-2890
20	3530	-3760	3100	-3910	---	---	3270	-3030	2870	-3360	3550	-2760
21	3810	-4110	3210	-3820	---	---	3340	-4010	3010	-3400	3240	-2690
22	4020	-4620	3250	-4050	3140	-3350	3740	-3290	3010	-3500	3370	-3380
23	4070	-4570	3330	-4120	3360	-3430	3630	-3310	3300	-3920	3720	-3760
24	4020	-5020	---	---	---	---	3470	-3320	3580	-4180	3660	-3480
25	3920	-4770	3740	-3810	---	---	3620	-3830	3570	-3870	3780	-4090
26	3920	-4580	3140	-3550	3760	-4020	3650	-3760	3600	-4030	3940	-4340
27	3920	-4450	3310	-3790	3380	-3250	3520	-3510	3580	-5870	4010	-3570
28	---	---	3280	-3330	3460	-3550	---	---	4210	-5870	4430	-3870
29	---	---	3280	-3340	3420	-3440	---	---	---	---	4040	-3310
30	3540	-4310	3270	-3590	3140	-3490	3700	-2910	---	---	3790	-3160
31	---	---	---	---	---	---	3510	-3480	---	---	3710	-2780
MONTH	---	---	---	---	---	---	---	---	4210	-5870	---	---

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	3770	-2900	3390	-3880	3340	-4490	3200	-3780	3480	-3440	3280	-4430
2	4090	-3610	---	---	3230	-4300	3280	-3920	3480	-3890	3440	-4190
3	3520	-2370	---	---	3370	-3950	3300	-3830	3510	-4050	3350	-4440
4	3540	-3500	3420	-4420	3430	-3900	3510	-3800	3580	-3740	3410	-4560
5	3650	-3920	3670	-4240	3520	-4020	3520	-4020	3500	-3640	3590	-4310
6	3860	-3610	3870	-3840	3550	-3840	3550	-4000	3470	-3740	3590	-4520
7	4130	-3930	3460	-4730	3580	-3490	3390	-3720	3560	-3600	3560	-4620
8	3970	-4000	3480	-4420	3580	-3560	3860	-3780	3600	-3330	3430	-4510
9	4140	-4640	3470	-4190	3590	-3320	3190	-3800	3560	-3460	3500	-4240
10	4410	-4200	3460	-4210	3520	-3380	3290	-3440	3380	-3610	3460	-4300
11	4430	-3500	3270	-3600	3480	-3650	3150	-3160	3360	-3550	3410	-4470
12	4270	-3420	---	---	3420	-3220	3180	-3080	3200	-3510	3260	-4820
13	4200	-3320	---	---	3300	-3220	3050	-3230	3440	-3290	3460	-5500
14	4060	-3320	---	---	3410	-3230	3100	-3310	3320	-3540	3890	-4120
15	3910	-2550	---	---	3190	-3180	---	---	3440	-3770	3290	-4670
16	3770	-3040	---	---	3300	-3560	---	---	3580	-4060	3460	-5560
17	3950	-3130	---	---	3690	-3910	3430	-3520	3380	-4290	3770	-5440
18	3720	-2370	3170	-3610	3640	-4410	3620	-4030	3520	-5010	3620	-5220
19	3190	-2380	3250	-3690	3600	-4820	3620	-4290	3700	-5410	3830	-5230
20	---	---	3190	-3710	3920	-4760	3500	-4390	3840	-5140	3690	-5560
21	---	---	3130	-4350	3960	-4890	3510	-4700	3680	-4950	3510	-5040
22	---	---	3520	-4260	3760	-4470	3400	-4670	3660	-4920	3500	-4920
23	3600	-4010	3610	-4720	3530	-4450	3590	-4920	3560	-4880	3210	-4410
24	---	---	3380	-4850	3570	-4410	3710	-5130	3700	-4380	3210	-4170
25	3490	-3890	3600	-4750	3550	-4350	3690	-4700	3870	-4150	3350	-4150
26	---	---	3620	-4440	3480	-4330	3590	-4430	3860	-4590	3370	-3770
27	---	---	3590	-4330	3240	-4110	3190	-4210	3790	-3760	3250	-3890
28	---	---	3500	-4050	3210	-3890	3220	-3780	3590	-4080	3380	-4240
29	3500	-3410	3290	-4200	3010	-3920	3280	-3670	3570	-4260	3350	-4150
30	3630	-3570	3430	-3690	3330	-3870	3280	-3830	3530	-4100	3390	-4190
31	---	---	3240	-4240	---	---	3200	-3370	3590	-4340	---	---
MONTH	---	---	---	---	3960	-4890	---	---	3870	-5410	3890	-5560