

02176575 OKATEE RIVER NEAR BLUFFTON, SC

LOCATION.--Lat 32°17'22'', long 80°55'47'', Beaufort County, Hydrologic Unit 03050208, on right bank about 100 ft upstream of U.S.Hwy 278 and about 6.0 mi west of Bluffton.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 2001 to September 2004 (discontinued).

REVISED RECORDS.--WRD SC-2004-1:2001-2002.

GAGE.--Data Collection Platform and acoustic velocity meter. Datum of gage is 3.17 ft below NGVD of 1929.

REMARKS.--Records fair. 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. Computed 24-hour daily mean discharge for this site may be affected by aliasing due to tides and, thus, may contain spurious fluctuations or oscillations that are not indicative of net downstream discharge.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 273 ft³/s, Oct. 27, 28, 2003; minimum discharge, -202 ft³/s, July 21, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 273 ft³/s, Oct. 27, 28; minimum discharge, -185 ft³/s, Nov. 24.

Discharge, cubic feet per second
WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	---	---	---	---	141	-126	89	-83
2	---	---	---	---	---	---	---	---	123	-95	105	-110
3	---	---	---	---	---	---	---	---	91	-77	151	-124
4	---	---	---	---	---	---	---	---	85	-124	123	-84
5	---	---	---	---	---	---	---	---	82	-94	82	-77
6	---	---	---	---	---	---	---	---	99	-55	82	-131
7	---	---	---	---	---	---	---	---	114	-68	121	-76
8	---	---	---	---	---	---	---	---	52	-26	101	-62
9	---	---	---	---	---	---	---	---	86	-63	100	-53
10	---	---	---	---	---	---	---	---	48	-38	98	-73
11	---	---	---	---	---	---	---	---	72	-49	94	-108
12	---	---	---	---	---	---	---	---	52	-57	131	-160
13	---	---	---	---	---	---	---	---	58	-36	173	-129
14	---	---	---	---	---	---	---	---	85	-107	193	-175
15	---	---	---	---	---	---	---	---	105	-131	195	-161
16	---	---	---	---	---	---	---	---	185	-132	208	-201
17	---	---	---	---	---	---	---	---	170	-184	212	-195
18	---	---	---	---	---	---	---	---	216	-134	212	-175
19	---	---	---	---	---	---	---	---	175	-128	209	-157
20	---	---	---	---	---	---	231	-173	172	-124	179	-165
21	---	---	---	---	---	---	215	-202	170	-150	151	-121
22	---	---	---	---	---	---	240	-188	139	-119	140	-110
23	---	---	---	---	---	---	251	-154	138	-109	146	-93
24	---	---	---	---	---	---	184	-148	92	-78	68	-118
25	---	---	---	---	---	---	173	-149	108	-74	65	-46
26	---	---	---	---	---	---	123	-103	153	-96	78	-37
27	---	---	---	---	---	---	97	-70	157	-70	66	-32
28	---	---	---	---	---	---	85	-95	81	-64	71	-93
29	---	---	---	---	---	---	91	-109	65	-76	121	-86
30	---	---	---	---	---	---	106	-76	56	-110	110	-138
31	---	---	---	---	---	---	187	-93	65	-96	---	---
MONTH	---	---	---	---	---	---	---	---	216	-184	212	-201

BROAD RIVER BASIN

02176575 OKATEE RIVER NEAR BLUFFTON, SC--Continued

Discharge, cubic feet per second
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	142	-100	137	-134	77	-103	110	-86	126	-103	131	-139
2	135	-109	104	-79	84	-107	149	-131	101	-85	158	-132
3	123	-131	124	-103	74	-100	134	-126	92	-85	109	-86
4	118	-107	110	-72	105	-86	100	-62	75	-58	79	-55
5	133	-103	125	-50	87	-119	75	-59	60	-32	54	-30
6	91	-120	118	-81	103	-35	80	-61	77	-66	56	-32
7	121	-60	99	-66	100	-89	46	-30	93	-83	54	-33
8	116	-65	68	-66	105	-92	47	-43	48	-40	56	-40
9	100	-119	89	-24	84	-79	54	-22	79	-66	59	-50
10	122	-93	61	-89	138	-129	45	-34	98	-88	58	-42
11	104	-143	92	-68	141	-101	---	---	57	-43	68	-58
12	132	-101	125	-101	139	-128	---	---	74	-63	95	-82
13	166	-149	153	-94	156	-128	62	-43	69	-57	86	-64
14	179	-138	137	-111	137	-112	69	-55	71	-64	63	-48
15	177	-158	138	-179	108	-81	50	-36	77	-45	65	-55
16	173	-156	136	-90	139	-105	50	-34	60	-38	63	-46
17	159	-151	121	-71	95	-102	47	-35	47	-26	59	-50
18	168	-159	139	-84	57	-37	41	-22	45	-31	63	-43
19	169	-121	76	-82	68	-49	44	-36	50	-31	55	-52
20	120	-106	80	-79	48	-27	49	-25	44	-33	68	-52
21	157	-106	83	-55	40	-21	38	-25	48	-26	49	-32
22	74	-40	70	-56	48	-36	44	-26	47	-32	78	-54
23	77	-72	72	-36	59	-33	48	-26	59	-51	59	-52
24	49	-70	76	-9.2	46	-25	64	-20	107	-96	87	-79
25	49	-48	51	-34	33	-46	49	-45	136	-124	97	-96
26	29	-32	37	-49	66	-61	106	-92	156	-145	127	-114
27	66	-44	84	-41	76	-37	129	-111	81	-70	138	-127
28	106	-72	69	-42	88	-45	127	-112	138	-124	200	-163
29	57	-99	108	-42	116	-90	125	-113	---	---	184	-173
30	69	-67	63	-45	118	-106	132	-110	---	---	206	-167
31	121	-118	---	---	114	-98	140	-125	---	---	196	-141
MONTH	179	-159	153	-179	156	-129	---	---	156	-145	206	-173

Discharge, cubic feet per second

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	165	-131	115	-97	63	-39	43	-28	95	-52	92	-50
2	158	-131	69	-58	43	-39	36	-50	152	-70	130	-73
3	123	-102	49	-31	91	-70	29	-30	114	-98	151	-110
4	58	-38	50	-31	53	-68	66	-43	133	-131	161	-108
5	78	-62	63	-33	69	-75	83	-18	178	-116	160	-128
6	73	-69	62	-36	102	-64	33	-85	183	-132	196	-134
7	70	-49	58	-32	97	-38	38	-57	185	-131	195	-146
8	74	-60	51	-37	137	-121	29	-53	203	-160	200	-157
9	52	-43	67	-59	191	-55	112	-32	203	-177	185	-162
10	59	-53	66	-53	132	-107	59	-118	192	-172	141	-115
11	89	-81	103	-99	113	-107	102	-68	167	-144	135	-116
12	92	-78	107	-91	135	-92	102	-44	188	-97	110	-133
13	108	-91	85	-72	135	-77	112	-96	177	-114	113	-87
14	85	-85	101	-102	94	-87	87	-68	142	-69	90	-40
15	85	-66	105	-92	90	-93	84	-66	105	-127	58	-33
16	80	-74	89	-65	109	-49	62	-90	64	-106	64	-39
17	75	-50	77	-51	83	-71	70	-58	90	-132	64	-30
18	72	-58	53	-53	74	-83	27	-80	102	-121	51	-109
19	54	-63	76	-65	180	-73	38	-41	135	-90	90	-35
20	53	-35	93	-89	117	-85	38	-53	80	-72	87	-48
21	67	-57	110	-97	146	-83	114	-48	89	-109	84	-36
22	64	-55	152	-138	134	-82	34	-68	132	-90	92	-49
23	115	-107	178	-149	126	-113	54	-17	97	-118	74	-49
24	151	-136	169	-150	103	-55	107	-98	87	-89	102	-26
25	161	-140	176	-137	108	-69	130	-71	84	-107	76	-34
26	203	-176	163	-140	108	-32	128	-79	111	-58	104	-37
27	193	-166	153	-141	76	-10	110	-99	68	-54	103	-27
28	193	-135	155	-89	79	-14	53	-60	62	-59	100	-55
29	155	-120	161	-107	71	-47	54	-28	60	-45	102	-56
30	136	-115	161	-66	32	-48	68	-30	113	-25	133	-83
31	---	---	138	-47	---	---	96	-31	96	-39	---	---
MONTH	203	-176	178	-150	191	-121	130	-118	203	-177	200	-162

BROAD RIVER BASIN

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02176575 OKATEE RIVER NEAR BLUFFTON, SC--Continued

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	129	-82	137	-109	68	-49	---	---	119	-56	140	-64
2	124	-85	155	-126	139	-117	---	---	97	-60	128	-60
3	149	-101	174	-139	140	-110	188	-84	102	-55	131	-68
4	175	-137	184	-146	208	-165	144	-59	86	-35	162	-66
5	180	-133	199	-159	179	-132	124	-54	65	-38	132	-59
6	188	-141	163	-110	139	-111	104	-59	79	-29	107	-61
7	194	-144	166	-106	123	-89	99	-51	77	-18	106	-45
8	203	-153	140	-93	86	-58	61	-23	49	-25	98	-31
9	204	-129	135	-94	88	-54	60	-18	61	-20	144	6.6
10	207	-126	92	-58	119	-87	55	-14	67	-13	154	-20
11	220	-65	63	-38	---	---	59	-21	58	-24	129	-23
12	159	-68	85	-32	55	-26	69	-23	51	-14	93	-22
13	136	-80	84	-18	61	-28	80	-32	81	-12	89	-18
14	136	-103	81	-32	67	-24	79	-17	89	-25	116	-21
15	156	-111	99	-64	59	-52	65	-20	97	-29	136	-20
16	122	-86	103	-76	53	-29	84	-13	115	-20	145	-28
17	126	-80	117	-42	79	-68	88	-12	122	-36	171	-71
18	124	-80	77	-21	118	-86	96	-51	147	-75	174	-79
19	115	-81	102	-53	131	-100	85	-35	184	-76	209	-98
20	118	-82	121	-78	105	-72	97	-41	138	-58	213	-90
21	99	-77	128	-84	58	-40	88	-23	149	-70	211	-93
22	106	-71	90	-58	67	-36	115	-19	138	-73	235	-78
23	122	-80	52	-24	58	-40	106	-21	127	-73	200	-83
24	107	-77	57	-36	133	-84	90	-35	122	-51	190	-78
25	120	-80	56	-34	57	-13	79	-41	115	-58	156	-63
26	108	-70	64	-37	90	-48	82	-29	137	-29	129	-51
27	83	-43	58	-30	---	---	81	-25	154	-29	127	-46
28	77	-51	81	-43	71	-30	98	-22	111	-40	133	-45
29	85	-61	67	-53	62	-50	110	-33	---	---	116	-48
30	104	-58	46	-25	123	-86	96	-27	---	---	---	---
31	112	-73	---	---	136	-100	102	-48	---	---	112	-47
MONTH	220	-153	199	-159	---	---	---	---	184	-76	---	---

Discharge, cubic feet per second

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	93	-47	116	-78	95	-45	110	-43	125	-44	171	-75
2	90	-47	123	-88	86	-23	122	-49	128	-42	142	-68
3	81	-43	116	-92	96	-41	122	-61	131	-44	132	-62
4	80	-35	122	-85	96	-33	141	-29	113	-26	131	-56
5	92	-35	122	-66	88	-43	110	-28	110	-33	155	-54
6	92	-49	98	-80	108	-27	109	-24	137	-39	148	-65
7	103	-34	112	-62	137	-38	100	-24	166	-8.7	211	-73
8	89	-60	105	-41	114	-17	103	-19	147	-22	237	-66
9	114	-54	82	-23	115	-15	117	-35	138	-51	242	-93
10	226	-20	87	-20	158	-23	133	-47	151	-64	228	-102
11	210	-25	98	-19	151	-23	142	-52	171	-73	243	-115
12	204	-8.2	99	-13	139	-37	162	-78	148	-76	221	-109
13	200	-8.6	141	-25	201	-65	170	-81	177	-72	190	-101
14	158	-35	142	-30	200	-70	165	-72	173	-78	179	-98
15	157	-46	173	-88	212	-78	170	-75	159	-71	148	-72
16	183	-75	223	-111	192	-76	157	-71	138	-55	140	-70
17	232	-93	233	-112	193	-84	160	-63	91	-43	119	-40
18	248	-115	245	-116	181	-83	141	-45	83	-33	112	-48
19	248	-115	257	-107	149	-57	107	-31	---	---	103	-48
20	250	-109	251	-102	130	-38	94	-27	---	---	104	-54
21	260	-102	236	-72	124	-36	82	-30	68	-34	100	-29
22	219	-81	182	-68	104	-52	72	-52	67	-25	105	-25
23	184	-85	124	-57	74	-57	82	-27	68	-20	135	-48
24	163	-85	92	-31	89	-39	88	-17	87	-17	169	-77
25	110	-51	210	-28	73	-21	151	-17	84	-34	216	-95
26	101	-52	125	-17	79	-17	166	-6.2	110	-41	259	-108
27	113	-37	97	-16	98	-34	137	6.5	178	-75	271	-124
28	113	-45	133	-27	102	-56	127	-31	181	-81	264	-112
29	120	-62	109	-20	102	-49	133	-38	191	-98	269	-120
30	126	-78	111	-31	129	-52	125	-36	184	-86	256	-112
31	---	---	87	-43	---	---	126	-46	186	-80	---	---
MONTH	260	-115	257	-116	212	-84	170	-81	---	---	271	-124

BROAD RIVER BASIN

02176575 OKATEE RIVER NEAR BLUFFTON, SC--Continued

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	239	-102	214	-81	53	-32	43	-29	61	-38	33	-21
2	243	-101	191	-80	57	-34	47	-37	73	-53	35	-29
3	229	-93	187	-75	63	-43	49	-40	56	-46	42	-33
4	194	-78	163	-73	107	-83	50	-41	63	-50	51	-38
5	178	-68	162	-75	81	-66	56	-47	95	-84	63	-58
6	143	-65	161	-85	56	-37	52	-39	100	-94	69	-63
7	147	-54	137	-70	96	-75	62	-53	66	-40	74	-65
8	138	-55	157	-81	104	-89	87	-74	64	-45	71	-69
9	145	-68	141	-70	94	-70	102	-94	83	-66	94	-115
10	154	-83	174	-85	118	-101	112	-91	62	-46	123	-105
11	140	-85	152	-87	45	-35	107	-83	51	-36	119	-107
12	171	-98	126	-88	81	-67	51	-36	69	-43	81	-74
13	152	-86	98	-61	117	-84	53	-37	67	-48	71	-59
14	154	-82	81	-43	121	-94	65	-53	78	-52	91	-84
15	126	-61	89	-21	69	-56	50	-36	116	-70	73	-71
16	119	-70	55	-30	69	-51	68	-53	115	-83	69	-64
17	87	-27	49	-26	48	-29	82	-70	124	-95	71	-68
18	90	-41	70	-42	46	-34	131	-114	115	-93	120	-119
19	92	-33	64	-59	48	-31	111	-94	120	-106	107	-102
20	95	-35	118	-92	63	-47	172	-142	124	-108	145	-142
21	101	-39	152	-133	132	-109	167	-140	86	-65	129	-84
22	116	-40	179	-153	158	-128	138	-125	93	-81	102	-101
23	134	-52	199	-157	174	-159	76	-73	91	-82	109	-85
24	167	-69	199	-185	164	-148	80	-47	91	-63	89	-61
25	240	-99	192	-170	134	-100	130	-97	75	-60	72	-36
26	253	-104	203	-168	119	-98	116	-97	127	-105	53	-33
27	273	-112	184	-164	106	-85	49	-58	61	-36	44	-33
28	273	-116	149	-125	91	-73	41	-33	48	-36	36	-31
29	242	-116	58	-37	65	-49	34	-23	42	-24	52	-44
30	261	-110	60	-44	44	-34	31	-22	---	---	59	-48
31	194	-69	---	---	46	-27	31	-23	---	---	59	-48
MONTH	273	-116	214	-185	174	-159	172	-142	127	-108	145	-142

Discharge, cubic feet per second

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	44	-35	79	-44	143	-147	173	-158	104	-56	---	---
2	56	-42	120	-92	167	-179	166	-163	153	-27	---	---
3	87	-89	103	-110	178	-179	166	-155	137	-9.3	---	---
4	116	-110	170	-155	178	-178	161	-156	41	-52	---	---
5	138	-131	160	-154	176	-166	154	-130	35	-64	---	---
6	134	-164	180	-158	159	-157	131	-122	48	-49	---	---
7	166	-145	172	-144	148	-157	121	-87	80	-20	---	---
8	144	-138	159	-142	131	-134	68	-84	78	-37	---	---
9	139	-117	122	-148	108	-108	74	-65	93	-10	---	---
10	133	-128	106	-83	89	-88	105	-24	48	-29	50	-124
11	105	-100	91	-94	71	-84	92	-54	100	-30	88	-79
12	114	-86	59	-45	109	-84	90	-48	55	-75	106	-126
13	87	-69	---	---	146	-125	45	-34	25	-59	152	-113
14	40	-29	---	---	99	-104	59	-47	32	-38	116	-128
15	63	-54	---	---	102	-78	69	-42	112	-20	116	-94
16	85	-68	---	---	78	-64	85	-41	51	-43	121	-83
17	85	-77	---	---	63	-58	63	-45	31	-32	99	-85
18	75	-71	---	---	55	-43	37	-129	32	-45	90	-111
19	63	-62	---	---	58	-55	26	-95	77	-34	109	-156
20	62	-60	---	---	88	-68	53	-42	59	-7.7	96	-161
21	61	-63	---	---	100	-83	31	-125	61	-45	120	-123
22	54	-45	---	---	102	-57	75	-18	42	-62	83	-182
23	54	-35	---	---	62	-57	47	-59	66	-42	81	-117
24	41	-29	---	---	56	-36	67	-54	138	-46	74	-124
25	42	-24	44	-28	56	-52	26	-119	65	-25	128	-123
26	43	-21	40	-22	45	-81	64	-82	42	-128	158	-124
27	34	-22	43	-27	92	-80	56	-63	139	-103	141	-118
28	31	-21	44	-29	67	-113	168	-37	141	-113	133	-41
29	43	-31	67	-66	123	-118	56	-64	104	-99	75	-58
30	51	-39	106	-117	155	-140	36	-80	---	---	---	---
31	---	---	125	-117	---	---	63	-118	---	---	---	---
MONTH	166	-164	---	---	178	-179	173	-163	---	---	---	---