

LITTLE RIVER BASIN

02110777 AIW AT HIGHWAY 9 AT NIXONS CROSSROADS, SC

LOCATION.--Lat 33°51'05'', long 78°39'22'', Horry County, Hydrologic Unit 03040207, near east bank of the Atlantic Intracoastal Waterway, downstream side of bridge, 0.5 mi southeast of Nixons Crossroads, 5.2 mi south of junction of Little River Inlet and at AIW mile 347.3.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

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

GAGE.--Data collection platform. Datum of gage is 11.72 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). Two auxiliary stations (02110704 and 02110802) 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 complete 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	e1950	1780	1140	1640	1520	1730	1300	76	117	105	e530	e300
2	e1900	1610	812	634	2080	1020	1340	297	-13	225	e600	e300
3	e1850	1470	e700	385	2360	930	1460	534	-247	394	692	e350
4	e1700	395	e600	200	2530	1170	1420	912	4	522	947	e350
5	1570	661	e500	459	2600	1450	1340	1040	488	1550	894	e400
6	1140	510	e600	502	2790	762	1270	697	989	e500	923	e400
7	2040	234	e650	592	3040	817	906	e467	431	e450	1240	e450
8	2130	455	e400	165	2460	918	1490	e500	736	e400	888	e450
9	2580	1030	e300	406	3150	573	696	e600	810	e400	483	e500
10	2070	749	e400	515	3090	756	1010	e2100	561	e200	518	e550
11	1590	212	e500	214	3810	414	1200	e876	373	e150	481	e600
12	1180	115	e300	-223	2870	1020	1060	e635	297	e-121	522	e650
13	1500	1070	e150	796	2500	490	274	505	105	e23	390	e700
14	1860	999	47	396	2710	818	-125	-81	22	e472	495	e750
15	1660	594	492	690	1770	755	-3	306	-17	e339	412	e800
16	1790	1570	505	1030	1390	429	57	659	265	e300	614	e850
17	65	e1400	540	182	836	426	117	616	371	e250	93	e900
18	-529	e1300	442	450	1630	-82	744	321	228	e220	338	e950
19	-115	e1000	436	375	1680	444	469	108	221	e200	240	e1000
20	1560	e900	1000	508	931	415	797	-32	-85	e180	577	e1100
21	1270	e800	487	72	1330	1520	1450	-211	420	e150	774	1190
22	1310	e740	514	170	1250	1080	956	348	776	e160	738	1040
23	2290	685	402	634	1580	542	809	295	290	e175	842	1040
24	2660	1090	642	e500	1290	1470	725	720	440	e195	603	935
25	3020	1250	550	e400	1140	1750	873	271	666	e210	171	840
26	3380	1340	818	257	1140	749	174	61	547	e250	-117	1180
27	3600	1110	105	516	1230	1160	744	650	260	e290	71	861
28	3390	1090	838	600	1170	1390	850	242	e200	e320	49	1060
29	3260	1570	352	707	e1400	1070	369	264	e100	e370	-573	1310
30	3040	1530	486	1150	---	1400	303	-222	-365	e430	-54	1710
31	2720	---	278	1050	---	1030	---	-11	---	e480	275	---
TOTAL	59431	29259	15986	15972	57277	28416	24075	13543	8990	9789	14656	23516
MEAN	1917	975	516	515	1975	917	802	437	300	316	473	784
MAX	3600	1780	1140	1640	3810	1750	1490	2100	989	1550	1240	1710
MIN	-529	115	47	-223	836	-82	-125	-222	-365	-121	-573	300

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	1782	1089	1143	1842	2382	2144	1562	803	565	766	909	1549
MAX	5913	2915	3363	5361	6786	5058	3250	1627	1472	2027	2562	6815
(WY)	1997	1996	1995	1995	1998	1998	1993	1999	1992	1996	1996	1996
MIN	373	174	379	515	955	917	432	-15.0	300	196	303	329
(WY)	1998	1999	1992	2000	1999	2000	1995	1995	2000	1997	1998	1990

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SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1990 - 2000
ANNUAL TOTAL	388826	300910	1478
ANNUAL MEAN	1065	822	2130
HIGHEST ANNUAL MEAN			822
LOWEST ANNUAL MEAN			10000
HIGHEST DAILY MEAN	7000 a Sep 24	3810 Feb 11	Sep 16 1996
LOWEST DAILY MEAN	-914 Sep 10	-573 Aug 29	Sep 10 1999
ANNUAL SEVEN-DAY MINIMUM	-432 Sep 6	-25 Aug 25	Sep 6 1999
INSTANTANEOUS PEAK STAGE		16.94 Jul 2	18.37 Oct 8 1996
10 PERCENT EXCEEDS	2150	1720	2890
50 PERCENT EXCEEDS	765	625	969
90 PERCENT EXCEEDS	118	107	164

a Also occurred Sep. 25.

e Estimated

