

02105500 CAPE FEAR RIVER AT WILLIAM O. HUSKE LOCK NEAR TARHEEL, NC

LOCATION.--Lat 34°50'05", long 78°49'27", Bladen County, Hydrologic Unit 03030005, on right bank 100 ft upstream from William O. Huske Lock, 1 mi downstream of Cumberland-Bladen County line, 7 mi north of Tar Heel, 9 mi upstream from Phillips Creek, and at river mile 123.

DRAINAGE AREA.--4,852 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1937 to current year. Prior to October 1964, published as "Cape Fear River at Lock 3 near Tarheel".

REVISED RECORDS.--WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder and concrete lock and dam control. Datum of gage is 28.97 ft above NGVD of 1929. Prior to Jan. 8, 1939, nonrecording gage on upper lock wall 100 ft downstream at same datum. Auxiliary water-stage recorder 1.8 mi downstream of base gage; prior to Jan. 14, 1943, auxiliary nonrecording gage 400 ft downstream on lower end of lock wall; Jan. 14, 1943, to Sept. 30, 1953, auxiliary water-stage recorder at site 600 ft downstream. U.S. Army Corps of Engineers satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Slight regulation at high flow, December 1972 to August 1981, caused by temporary storage in B. Everett Jordan Lake. Flow regulated since September 1981 by B. Everett Jordan Lake (station 02098197). Slight diurnal fluctuation and some regulation for short periods at low flow caused by power plants above station. Prior to regulation, maximum discharge not determined; minimum discharge, 170 ft³/s, Sep. 20, 1950. Minimum discharge during regulation from unknown source. Minimum discharge for current water year, due to fish lockage.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1140	910	1110	864	4950	1320	6230	715	992	988	645	1050
2	1090	881	1010	864	3560	1340	9330	690	934	989	801	3140
3	1050	915	984	940	2500	1860	7560	653	857	759	668	6140
4	1010	920	939	1260	2240	2510	5690	655	741	e650	609	3120
5	979	904	884	1360	2080	2540	5450	811	731	e630	560	1640
6	1050	889	816	1470	1960	3460	4810	947	735	e600	449	1160
7	1440	890	801	2200	2470	4110	3190	957	846	e560	350	927
8	1460	918	866	2430	3400	4560	2670	921	937	e500	316	672
9	1490	947	912	2080	5380	3330	2390	986	891	e450	419	568
10	1420	984	883	2170	6070	1920	2210	919	832	e520	482	587
11	1270	995	813	2030	5430	1650	1830	999	781	608	451	618
12	1120	970	1190	1760	5270	1490	1780	1080	732	585	432	570
13	1040	956	1340	1650	5500	1630	1800	1100	705	516	407	492
14	1000	903	1380	1670	5230	1670	1760	991	725	619	398	506
15	1050	808	1470	1610	4050	1800	1570	910	826	717	419	892
16	1220	810	1270	1570	3160	2410	1370	837	838	717	449	1420
17	1120	892	1090	1420	2250	2440	1310	763	819	666	471	1390
18	989	872	1000	1310	2040	1990	1230	776	774	627	556	1200
19	1030	903	1050	1270	1910	1650	1210	874	724	e520	644	1130
20	1040	906	1030	2210	1790	1960	1260	943	776	e600	639	1090
21	1000	829	971	7350	1720	2940	1230	875	745	e560	584	1080
22	1060	811	937	7700	1690	3320	1150	801	706	e640	517	1120
23	1020	805	924	6210	1670	3380	849	741	729	e600	468	1080
24	977	1240	949	12100	1650	3070	753	735	727	e500	433	859
25	1040	1550	969	20400	1610	2670	709	808	779	e700	471	684
26	1000	1420	964	15100	1510	2150	713	898	820	e900	669	572
27	969	1240	939	7940	1460	2050	849	956	797	1310	855	663
28	918	1190	932	7050	1390	2640	936	980	1110	1100	3070	646
29	910	1100	926	6890	---	3120	903	954	1260	879	2070	549
30	915	991	904	6740	---	3300	710	983	1520	790	1330	556
31	922	---	874	6010	---	3540	---	1080	---	807	1110	---
TOTAL	33739	29349	31127	135628	83940	77820	73452	27338	25389	21667	21742	36121
MEAN	1088	978.3	1004	4375	2998	2510	2448	881.9	846.3	698.9	701.4	1204
MAX	1490	1550	1470	20400	6070	4560	9330	1100	1520	1310	3070	6140
MIN	910	805	801	864	1390	1320	709	653	705	450	316	492

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2002,* BY WATER YEAR (WY)

MEAN	2988	2925	3861	7461	8554	9694	6553	3554	3161	2749	2466	2972
MAX	10230	10190	11360	17240	24770	21520	15410	11770	14200	9262	7358	18950
(WY)	2000	1996	1984	1998	1998	1998	1993	1989	1982	1995	1984	1996
MIN	979	978	1004	1633	2799	2510	1508	882	846	699	701	935
(WY)	1987	2002	2002	2001	1986	2002	1986	2002	2002	2002	2002	1990

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1982 - 2002*
ANNUAL TOTAL	922567	597312	
ANNUAL MEAN	2528	1636	4725
HIGHEST ANNUAL MEAN			8328
LOWEST ANNUAL MEAN			1636
HIGHEST DAILY MEAN	21900	Mar 31	20400
LOWEST DAILY MEAN	749	Aug 10	316
ANNUAL SEVEN-DAY MINIMUM	853	Aug 4	408
MAXIMUM PEAK FLOW			21500
MAXIMUM PEAK STAGE			9.21
INSTANTANEOUS LOW FLOW			289*
10 PERCENT EXCEEDS	5350		3230
50 PERCENT EXCEEDS	1450		988
90 PERCENT EXCEEDS	903		595

e Estimated.

* Regulated period only (1982-2002). See REMARKS.

02105500 CAPE FEAR RIVER AT WILLIAM O. HUSKE LOCK NEAR TARHEEL, NC--Continued

