

CAPE FEAR RIVER BASIN

02104220 ROCKFISH CREEK AT RAEFORD, NC

LOCATION.--Lat 34°59'55", long 79°12'55", Hoke County, Hydrologic Unit 03030004, at upstream side of bridge on U.S. Highway 401, 1.0 mi downstream of Nicholsons Creek, and 1.0 mile north of Raeford.

DRAINAGE AREA.--93.1 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 178 ft above sea level, from topographic map. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83	69	108	86	86	73	142	66	77	47	47	78
2	84	69	102	86	82	73	116	65	154	46	44	69
3	80	70	106	84	81	75	109	62	143	48	42	59
4	78	70	102	83	80	117	104	61	85	46	40	57
5	77	76	95	84	91	137	99	59	64	50	40	64
6	74	81	92	85	90	116	93	57	56	48	38	57
7	72	77	90	85	84	96	88	56	52	44	38	49
8	70	78	89	87	81	88	84	55	57	48	38	46
9	70	78	87	95	79	85	82	55	57	90	38	44
10	70	79	87	90	80	84	78	55	55	72	37	50
11	71	78	89	85	79	81	74	55	50	58	36	52
12	71	75	89	86	95	79	73	55	54	50	36	60
13	71	75	86	93	132	87	73	54	61	45	36	48
14	72	92	84	89	119	86	71	53	133	47	45	44
15	70	125	87	86	104	108	70	51	151	44	46	43
16	68	110	87	85	95	154	70	52	112	42	42	41
17	67	98	105	83	122	140	70	93	154	41	39	40
18	68	100	117	83	147	106	70	96	194	40	44	40
19	70	102	105	81	131	91	70	73	103	48	113	39
20	69	145	101	115	105	90	69	61	70	53	113	39
21	69	140	96	140	97	144	69	63	61	46	80	51
22	70	110	92	122	102	158	68	61	59	42	66	68
23	69	96	89	101	118	145	66	59	65	41	55	52
24	68	90	86	93	108	112	65	57	72	49	48	68
25	69	112	86	89	100	97	101	52	93	64	49	150
26	70	181	84	85	99	90	118	54	76	64	46	174
27	70	200	85	83	91	86	92	56	66	80	43	164
28	72	181	100	82	77	84	78	70	62	65	43	83
29	70	138	101	81	---	108	72	139	56	55	42	63
30	69	104	93	85	---	158	68	124	51	52	48	56
31	69	---	88	93	---	159	---	79	---	50	56	---
TOTAL	2220	3099	2908	2805	2755	3307	2502	2048	2543	1615	1528	1948
MEAN	71.6	103	93.8	90.5	98.4	107	83.4	66.1	84.8	52.1	49.3	64.9
MAX	84	200	117	140	147	159	142	139	194	90	113	174
MIN	67	69	84	81	77	73	65	51	50	40	36	39
CFSM	.77	1.11	1.01	.97	1.06	1.15	.90	.71	.91	.56	.53	.70
IN.	.89	1.24	1.16	1.12	1.10	1.32	1.00	.82	1.02	.65	.61	.78

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2001, BY WATER YEAR (WY)

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	119	120	117	146	147	157	139	107	93.4	93.9	96.1	110		
MAX	207	169	186	209	291	289	305	182	175	224	176	247		
(WY)	2000	1990	1990	1998	1998	1998	1998	1989	1989	1989	1989	1996		
MIN	71.6	87.7	84.0	90.5	94.7	97.0	83.4	66.1	58.5	52.1	49.3	59.9		
(WY)	2001	1991	1989	2001	1992	1992	2001	2001	1999	2001	2001	1992		

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1988 - 2001

ANNUAL TOTAL	44742	29278		
ANNUAL MEAN	122	80.2	121	1998
HIGHEST ANNUAL MEAN			167	2001
LOWEST ANNUAL MEAN			80.2	
HIGHEST DAILY MEAN	460	Sep 24	200	Nov 27
LOWEST DAILY MEAN	58	Jun 12	36	Aug 11
ANNUAL SEVEN-DAY MINIMUM	63	Jun 8	37	Aug 7
MAXIMUM PEAK FLOW			204	Jun 18
MAXIMUM PEAK STAGE			5.76	Jun 18
INSTANTANEOUS LOW FLOW			36	Aug 11
ANNUAL RUNOFF (CFSM)	1.31	.86		1.30
ANNUAL RUNOFF (INCHES)	17.88	11.70		17.60
10 PERCENT EXCEEDS	196	117		199
50 PERCENT EXCEEDS	99	77		99
90 PERCENT EXCEEDS	68	46		58

02104220 ROCKFISH CREEK AT RAEFORD, NC--Continued

