

02104220 ROCKFISH CREEK AT RAEFORD, NC

LOCATION.--Lat 34°59'59", long 79°12'53", Hoke County, Hydrologic Unit 03030004, at upstream side of bridge on U.S. Highway 401, 1.0 mi downstream of Nicholson's Creek, and 1.0 mile north of Raeford.

DRAINAGE AREA.--93.1 mi².

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

GAGE.--Water-stage recorder. Elevation of gage is 178 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Minimum discharge for period of record also occurred July 23, 2002.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	134	237	101	102	103	281	119	79	73	105	97	455
2	128	168	99	101	97	263	117	107	65	95	111	295
3	123	126	97	101	117	232	108	174	59	77	127	203
4	121	116	99	101	138	196	103	224	64	80	95	129
5	120	115	121	104	132	160	98	270	121	70	73	112
6	118	117	129	128	120	140	94	201	111	60	70	107
7	120	123	124	124	163	135	92	114	97	54	66	132
8	130	122	112	108	150	129	92	93	87	50	58	577
9	164	117	105	105	120	122	92	85	89	50	56	820
10	178	112	112	111	109	120	96	80	106	59	55	505
11	183	108	171	108	105	117	169	76	89	59	53	327
12	171	108	210	104	122	115	184	74	77	65	67	242
13	153	107	216	106	162	114	220	80	71	67	159	182
14	145	103	218	104	168	111	213	77	69	62	192	149
15	168	101	195	101	181	112	176	73	73	54	221	156
16	167	101	175	99	177	122	129	70	82	49	234	165
17	154	102	160	96	165	133	109	68	105	47	201	168
18	139	103	144	107	153	135	101	66	103	60	158	193
19	132	115	137	122	136	126	97	66	83	70	97	212
20	127	148	129	114	123	119	93	84	67	115	84	199
21	123	159	120	102	115	116	89	83	60	95	74	165
22	120	154	114	98	109	114	86	81	61	72	138	128
23	118	130	111	97	105	107	84	97	60	127	205	117
24	116	112	113	96	104	105	82	127	74	111	151	111
25	114	107	117	95	104	104	80	130	84	76	92	109
26	118	104	113	99	104	104	83	99	157	68	78	108
27	121	103	108	100	152	102	103	76	193	65	77	108
28	131	105	106	107	237	102	102	69	145	84	74	126
29	221	107	105	111	271	100	87	63	98	144	83	140
30	285	103	105	112	---	99	80	72	79	105	380	136
31	299	---	104	110	---	108	---	86	---	97	520	---
TOTAL	4,641	3,633	4,070	3,273	4,042	4,143	3,378	3,144	2,702	2,392	4,146	6,576
MEAN	150	121	131	106	139	134	113	101	90.1	77.2	134	219
MAX	299	237	218	128	271	281	220	270	193	144	520	820
MIN	114	101	97	95	97	99	80	63	59	47	53	107
CFSM	1.61	1.30	1.41	1.13	1.50	1.44	1.21	1.09	0.97	0.83	1.44	2.35
IN.	1.85	1.45	1.63	1.31	1.62	1.66	1.35	1.26	1.08	0.96	1.66	2.63

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	115	115	115	137	141	152	135	106	92.6	94.0	101	117					
MAX	207	169	186	209	291	289	305	182	175	224	203	247					
(WY)	(2000)	(1990)	(1990)	(1998)	(1998)	(1998)	(1998)	(1989)	(1989)	(1989)	(2003)	(1996)					
MIN	60.0	62.4	68.0	90.4	84.7	78.4	72.0	51.9	31.2	28.8	39.1	47.4					
(WY)	(2002)	(2002)	(2002)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)					

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1988 - 2004
ANNUAL TOTAL	56,076	46,140	
ANNUAL MEAN	154	126	119
HIGHEST ANNUAL MEAN			167
LOWEST ANNUAL MEAN			60.8
HIGHEST DAILY MEAN	586	820	884
LOWEST DAILY MEAN	76	47	20
ANNUAL SEVEN-DAY MINIMUM	82	57	22
MAXIMUM PEAK FLOW		903	1,030
MAXIMUM PEAK STAGE		8.05	8.29
INSTANTANEOUS LOW FLOW		47	19*
ANNUAL RUNOFF (CFSM)	1.65	1.35	1.28
ANNUAL RUNOFF (INCHES)	22.41	18.44	17.33
10 PERCENT EXCEEDS	238	193	198
50 PERCENT EXCEEDS	129	109	100
90 PERCENT EXCEEDS	93	70	57

* See REMARKS.

02104220 ROCKFISH CREEK AT RAEFORD, NC—Continued

