

02104220 ROCKFISH CREEK AT RAEFORD, NC

LOCATION.--Lat 34°59'56", long 79°12'54", 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 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.--Records good, except those for estimated daily discharges, which are fair. Minimum discharge for period of record also occurred July 23, 2002.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	85	75	102	121	204	165	108	179	120	291	103
2	36	73	73	118	104	243	151	103	200	178	227	102
3	34	67	73	115	93	226	126	98	197	374	184	100
4	32	65	73	115	88	178	115	111	177	466	171	108
5	32	70	106	107	87	144	109	118	154	292	209	175
6	31	95	155	98	84	167	109	124	129	203	220	259
7	29	105	156	93	122	249	112	145	113	129	204	276
8	29	86	139	89	141	273	136	149	120	112	200	210
9	33	73	106	88	127	250	169	134	130	103	179	182
10	40	69	93	86	121	195	274	106	117	125	213	173
11	67	68	92	84	141	144	482	94	100	138	403	178
12	136	123	99	82	132	127	500	88	100	140	498	147
13	151	213	109	81	111	121	332	82	171	150	288	125
14	179	231	153	81	98	135	243	78	194	236	239	119
15	e184	198	148	80	94	135	189	76	159	282	248	114
16	203	137	126	80	98	158	155	81	181	237	251	110
17	170	149	103	86	142	e183	140	85	225	188	218	104
18	120	176	93	89	151	e170	131	84	227	142	187	128
19	87	174	90	85	144	155	130	106	216	129	193	389
20	70	149	107	83	127	166	131	152	186	161	202	586
21	71	110	127	82	111	248	129	176	157	159	219	362
22	92	97	120	88	111	263	133	181	129	133	190	251
23	83	91	102	87	158	245	126	189	110	131	148	219
24	71	85	103	83	172	194	117	215	99	137	132	229
25	68	83	152	81	162	143	112	227	90	121	123	213
26	67	81	161	81	126	126	126	566	84	108	117	191
27	65	80	147	82	131	119	148	386	79	101	112	161
28	63	77	116	80	178	115	145	276	100	96	108	164
29	104	76	102	79	---	115	127	208	140	98	105	166
30	123	76	96	92	---	130	115	153	129	243	102	149
31	114	---	92	124	---	165	---	137	---	259	100	---
TOTAL	2,624	3,262	3,487	2,801	3,475	5,486	5,177	4,836	4,392	5,491	6,281	5,793
MEAN	84.6	109	112	90.4	124	177	173	156	146	177	203	193
MAX	203	231	161	124	178	273	500	566	227	466	498	586
MIN	29	65	73	79	84	115	109	76	79	96	100	100
CFSM	0.91	1.17	1.21	0.97	1.33	1.90	1.85	1.68	1.57	1.90	2.18	2.07
IN.	1.05	1.30	1.39	1.12	1.39	2.19	2.07	1.93	1.75	2.19	2.51	2.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2003, BY WATER YEAR (WY)

MEAN	113	115	113	140	142	153	137	107	92.7	95.0	99.2	111
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 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1988 - 2003

ANNUAL TOTAL	25,710	53,105	
ANNUAL MEAN	70.4	145	118
HIGHEST ANNUAL MEAN			167
LOWEST ANNUAL MEAN			60.8
HIGHEST DAILY MEAN	231	Nov 14	884
LOWEST DAILY MEAN	20	Jul 22	20
ANNUAL SEVEN-DAY MINIMUM	22	Aug 10	22
MAXIMUM PEAK FLOW			668
MAXIMUM PEAK STAGE			7.55
INSTANTANEOUS LOW FLOW			28
ANNUAL RUNOFF (CFSM)	0.76	1.56	1.27
ANNUAL RUNOFF (INCHES)	10.27	21.22	17.26
10 PERCENT EXCEEDS	127	233	198
50 PERCENT EXCEEDS	68	127	98
90 PERCENT EXCEEDS	26	80	57

e Estimated.

* See REMARKS.

