

PEE DEE RIVER BASIN

02124742 ROCKY RIVER NEAR STANFIELD, NC

LOCATION.--Lat 35°10'10", long 80°28'23", North American Datum of 1983, Union County, Hydrologic Unit 03040105, on right bank at bridge on Secondary Road 1606, 1.3 mi upstream from Crooked Creek, and 5.0 mi southwest of Stanfield

DRAINAGE AREA.--628 mi².

PERIOD OF RECORD.--April 2000 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 440 ft above NGVD of 1929 (from topographic map). Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. WSACC Rocky River waste water treatment plant discharged an average of 22.6 ft³/s during the current water year as treated effluent 16.5 mi upstream from station. Minimum discharge for period of record and current water year affected by regulation.

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	74	77	84	74	266	156	1920	138	222	51	46	1180
2	72	77	83	74	254	258	841	134	106	50	48	294
3	67	93	78	80	227	2800	520	132	87	53	44	138
4	67	115	82	91	209	1540	445	144	76	167	43	94
5	68	66	83	110	196	631	360	261	69	148	43	75
6	74	64	82	162	189	439	315	196	64	e71	46	62
7	88	63	84	575	581	357	286	150	233	e53	42	55
8	86	64	85	281	2090	309	267	133	238	e48	41	52
9	76	64	83	184	864	279	259	129	116	47	41	47
10	73	66	94	147	523	260	269	123	79	50	40	46
11	71	67	580	131	534	239	272	120	69	53	40	47
12	67	67	308	117	415	233	246	146	63	58	36	44
13	67	72	162	114	337	732	253	128	60	53	40	42
14	139	73	123	120	292	1370	252	353	54	58	46	42
15	175	77	106	111	261	618	237	246	51	499	57	122
16	96	78	94	106	246	439	233	142	50	188	62	456
17	72	77	85	100	232	479	221	112	43	98	325	267
18	63	74	157	98	217	1170	212	107	48	75	289	152
19	60	69	221	258	204	660	217	151	52	61	110	150
20	61	73	137	2410	200	490	197	114	48	57	92	97
21	65	73	106	618	202	818	185	95	48	54	60	77
22	59	73	93	547	197	926	176	89	41	52	53	67
23	63	70	84	3280	188	532	171	89	45	165	50	60
24	64	79	84	4300	178	420	164	86	45	74	48	61
25	67	135	85	1760	170	362	162	84	47	125	46	59
26	111	117	80	930	170	331	167	81	47	161	53	59
27	87	97	77	534	167	375	159	75	60	136	54	182
28	64	88	77	408	160	373	151	72	58	104	61	173
29	57	90	77	341	---	309	147	73	75	66	67	135
30	66	91	76	301	---	291	146	69	69	61	64	87
31	72	---	74	267	---	366	---	175	---	53	814	---
TOTAL	2391	2389	3724	18629	9769	18562	9450	4147	2363	2989	2901	4422
MEAN	77.13	79.63	120.1	600.9	348.9	598.8	315.0	133.8	78.77	96.42	93.58	147.4
MAX	175	135	580	4300	2090	2800	1920	353	238	499	814	1180
MIN	57	63	74	74	160	156	146	69	41	47	36	42
CFSM	0.12	0.13	0.19	0.96	0.56	0.95	0.50	0.21	0.13	0.15	0.15	0.23
IN.	0.14	0.14	0.22	1.10	0.58	1.10	0.56	0.25	0.14	0.18	0.17	0.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2002, BY WATER YEAR (WY)

	2000	2001	2002	2000	2001	2002	2000	2001	2002	2000	2001	2002
MEAN	72.11	97.85	108.2	372.4	285.4	674.7	344.2	151.4	140.9	120.2	113.5	207.1
MAX	73.6	119	112	595	345	760	488	196	232	160	126	314
(WY)	2002	2001	2001	2002	2002	2001	2000	2000	2001	2001	2001	2000
MIN	70.6	76.7	104	150	226	589	246	124	81.6	95.8	93.6	147
(WY)	2001	2002	2002	2001	2001	2002	2001	2002	2002	2002	2002	2002

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 2000 - 2002

ANNUAL TOTAL	75126	81736	
ANNUAL MEAN	205.8	223.9	214.7
HIGHEST ANNUAL MEAN			221
LOWEST ANNUAL MEAN			208
HIGHEST DAILY MEAN	6030	Mar 30	6030
LOWEST DAILY MEAN	50	Sep 17	35
ANNUAL SEVEN-DAY MINIMUM	53	Sep 14	40
MAXIMUM PEAK FLOW			6450
MAXIMUM PEAK STAGE			7.99
INSTANTANEOUS LOW FLOW			29*
ANNUAL RUNOFF (CFSM)	0.33		0.36
ANNUAL RUNOFF (INCHES)	4.45		4.84
10 PERCENT EXCEEDS	331		441
50 PERCENT EXCEEDS	113		97
90 PERCENT EXCEEDS	65		50

e Estimated.
* See REMARKS.

02124742 ROCKY RIVER NEAR STANFIELD, NC--Continued

