

02124742 ROCKY RIVER NEAR STANFIELD, NC

LOCATION.--Lat 35°10'10", long 80°28'23", 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 18.2 ft³/s as treated effluent 16.5 mi upstream from station. Minimum discharge for period of record and current water year affected by regulation. Site is affected by variable backwater conditions at high flow; therefore, a peak flow was not determined for current water year and period of record. Missing discharge values on the daily values table are days when the flow exceeded the rating. Minimum discharge for current water year also occurred Sept. 5-7.

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	175	203	183	229	279	---	751	205	127	531	198	203
2	162	187	173	225	244	---	752	311	126	514	221	120
3	159	184	267	224	495	1,060	491	693	98	306	279	95
4	152	179	189	227	724	707	410	493	87	255	182	84
5	145	182	195	233	451	596	376	320	96	350	137	77
6	145	207	237	533	---	534	326	253	98	310	130	74
7	144	221	207	392	---	499	297	227	88	251	120	---
8	153	217	195	288	---	455	298	209	86	177	88	---
9	227	211	187	257	753	426	294	197	146	136	79	---
10	256	196	208	273	595	380	283	189	163	e90	76	---
11	304	418	797	260	513	368	272	277	139	e85	74	515
12	415	202	478	242	795	419	288	231	93	e200	83	355
13	239	177	296	240	1,410	340	498	301	85	e250	---	277
14	280	168	---	238	796	316	1,260	233	87	142	---	235
15	250	171	1,120	238	766	316	698	201	---	109	---	219
16	280	165	581	243	984	347	474	182	505	90	381	387
17	180	169	456	218	758	384	389	171	293	80	231	---
18	154	173	574	225	594	361	344	165	179	---	182	---
19	149	189	429	284	521	351	315	167	143	500	259	508
20	148	355	364	266	470	357	298	167	200	221	170	294
21	146	280	320	235	433	338	281	144	286	153	131	223
22	144	216	280	224	409	348	265	134	818	119	116	187
23	139	195	270	231	366	309	252	129	306	105	112	165
24	144	186	275	233	356	286	243	204	317	95	106	151
25	137	184	281	227	357	279	232	165	305	86	96	140
26	138	187	257	237	420	279	225	129	---	79	89	131
27	156	178	244	258	423	282	240	116	828	360	84	153
28	181	177	238	254	632	283	258	113	325	1,140	83	---
29	427	182	236	297	1,160	283	221	104	223	559	81	---
30	419	211	239	299	---	279	206	101	185	924	170	---
31	253	---	245	300	---	353	---	94	---	348	247	---
TOTAL	6,401	6,170	10,021	8,130	15,704	11,535	11,537	6,625	6,432	8,565	4,205	4,593
MEAN	206	206	334	262	604	398	385	214	230	286	150	219
MAX	427	418	1,120	533	1,410	1,060	1,260	693	828	1,140	381	515
MIN	137	165	173	218	244	279	206	94	85	79	74	74
CFSM	0.33	0.33	0.53	0.42	0.96	0.63	0.61	0.34	0.37	0.45	0.24	0.35
IN.	0.38	0.37	0.59	0.48	0.93	0.68	0.68	0.39	0.38	0.51	0.25	0.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

MEAN	211	299	493	343	588	1,195	993	751	659	357	242	228
MAX	490	793	1,402	601	1,176	2,972	3,532	3,079	2,619	1,136	712	314
(WY)	(2003)	(2003)	(2003)	(2002)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2000)
MIN	70.6	79.6	112	150	226	398	246	133	78.8	96.4	93.6	147
(WY)	(2001)	(2002)	(2001)	(2001)	(2001)	(2004)	(2001)	(2001)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 2000 - 2004

LOWEST DAILY MEAN	132	Sep 22	74	Aug 11	35	Sep 18, 2000
MAXIMUM PEAK STAGE			13.56	Sep 29	14.50	Apr 11, 2003
INSTANTANEOUS LOW FLOW			68*	Aug 12	29*	Aug 12, 2002

* See REMARKS.

e Estimated.

02124742 ROCKY RIVER NEAR STANFIELD, NC—Continued

