

Water-Data Report 2008

02124742 ROCKY RIVER NEAR STANFIELD, NC

Upper Pee Dee Basin
Rocky Subbasin

LOCATION.--Lat 35°10'10", long 80°28'23" referenced to North American Datum of 1983, Union County, NC, 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.

SURFACE-WATER RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 419.46 ft above North American Vertical Datum of 1988, from levels. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Rocky River wastewater treatment plant discharged an average of 22.1 ft³/s as treated effluent 16.5 mi upstream from station. Minimum discharge for period of record and current water year affected by regulation. Minimum discharge for current water year and period of record also occurred June 21, 2007. Site is affected by variable backwater conditions at high flow; therefore, a peak flow was not determined for period of record and current water year. Missing discharge values are days when the flow exceeded the rating.

02124742 ROCKY RIVER NEAR STANFIELD, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e39	54	56	733	---	215	279	435	98	148	145	445
2	e43	49	56	317	---	189	300	303	83	101	188	312
3	47	45	57	208	688	171	246	235	74	73	107	234
4	49	44	56	159	402	208	409	200	67	64	80	194
5	50	44	56	139	299	---	---	176	67	184	72	175
6	48	44	57	130	255	---	1,550	157	62	307	63	155
7	48	42	e58	125	227	---	886	140	54	242	58	152
8	44	40	e59	115	199	---	555	129	50	196	54	128
9	47	38	59	107	173	1,100	414	144	46	892	52	144
10	50	42	58	109	155	574	337	231	45	342	51	151
11	45	42	60	134	139	417	294	182	61	338	48	---
12	43	44	60	163	128	345	273	283	118	257	47	---
13	50	45	62	143	192	298	289	231	111	143	51	527
14	50	47	64	114	519	262	261	145	61	368	106	334
15	50	55	65	102	367	---	232	117	88	211	101	242
16	52	55	304	95	244	---	218	126	69	116	83	---
17	44	61	348	224	203	1,030	203	173	50	91	70	---
18	44	62	155	991	407	536	198	135	35	76	68	489
19	46	54	97	483	291	413	195	232	29	70	67	282
20	141	54	77	469	207	1,220	196	249	27	64	55	210
21	93	53	76	343	165	713	202	765	29	59	48	179
22	55	53	104	235	216	436	187	319	256	56	43	158
23	48	100	102	219	269	343	176	170	---	---	41	143
24	60	83	133	205	210	284	166	127	469	---	40	123
25	158	58	155	174	176	249	158	108	202	295	53	112
26	1,150	52	363	148	235	224	166	97	132	159	---	134
27	648	63	742	139	761	209	---	90	105	117	---	911
28	236	72	276	132	437	201	---	93	95	100	---	867
29	117	67	549	127	265	196	---	304	168	85	---	419
30	76	60	---	127	---	209	808	228	117	89	1,100	282
31	62	---	---	124	---	208	---	130	---	110	639	---

SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 2000 - 2008	
Lowest daily mean	38	Nov 9	27	Jun 20	27	Jun 20, 2008
Annual seven-day minimum	42	Nov 5	42	Nov 5	40	Aug 7, 2002
Maximum peak stage			17.37	Aug 28	17.37	Aug 28, 2008
Instantaneous low flow			^a 23	Jun 20	^a 23	Jun 20, 2008

^aSee Remarks.

02124742 ROCKY RIVER NEAR STANFIELD, NC—Continued

