

Water-Data Report 2007

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.--No estimated daily discharges. Records fair. Rocky River wastewater treatment plant discharged an average of 23.6 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 also occurred August 19, September 30. 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 on the daily values table are days when the flow exceeded the rating.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	97	190	527	700	521	---	238	201	70	148	214	118
2	95	174	547	989	1,200	---	285	195	68	160	119	78
3	92	159	424	636	889	---	285	188	95	124	92	58
4	90	149	386	518	592	---	245	183	228	107	78	52
5	89	140	363	---	494	1,010	229	241	134	98	70	49
6	90	141	341	---	444	748	223	225	91	90	69	48
7	104	153	327	---	411	637	208	211	76	86	67	48
8	110	---	308	---	399	561	212	180	71	96	65	47
9	259	870	295	---	376	498	199	171	72	98	57	53
10	146	413	275	---	352	467	198	171	99	---	57	51
11	113	297	277	882	338	381	207	170	66	385	51	51
12	194	---	271	709	328	357	---	164	76	181	54	46
13	301	987	269	621	342	373	692	575	74	137	46	45
14	153	504	267	566	---	355	339	256	108	108	48	47
15	109	374	265	518	---	351	---	191	397	111	43	67
16	96	---	263	493	887	458	---	162	186	193	46	124
17	---	---	252	462	673	1,070	---	145	100	160	48	79
18	---	---	247	414	578	590	712	137	79	125	46	55
19	872	725	245	478	519	416	522	131	65	135	44	52
20	388	547	244	456	451	393	569	122	64	123	44	49
21	279	---	237	413	442	384	489	114	64	106	46	48
22	221	---	560	---	447	355	367	109	52	90	44	52
23	189	---	---	1,130	427	348	312	104	46	83	48	49
24	172	---	691	721	373	303	272	101	44	75	50	50
25	160	1,100	---	589	513	292	254	98	578	72	68	48
26	148	781	---	524	---	279	238	96	635	70	60	46
27	150	635	---	457	1,070	270	230	92	380	74	255	46
28	1,180	553	779	436	704	267	344	87	253	169	170	43
29	599	499	610	420	---	259	249	82	189	218	87	42
30	291	458	518	384	---	256	214	79	170	151	68	42
31	218	---	484	358	---	244	---	76	---	259	59	---

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 2000 - 2007	
Lowest daily mean	55	Aug 2	42	Sep 29	35	Sep 18, 2000
Annual seven-day minimum	66	Jul 29	45	Aug 15	40	Aug 7, 2002
Maximum peak stage			13.92	Nov 22	14.50	Apr 11, 2003
Instantaneous low flow			^a 34	Aug 15	^a 29	Aug 12, 2002

^a See Remarks.

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