

Water-Data Report 2010

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 Secondary Road 1606 bridge, 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 streamgage.

REMARKS.--No estimated daily discharges. Records poor. Rocky River wastewater treatment plant discharged an unknown amount of treated effluent 16.5 mi upstream from station. Minimum discharge for all years affected by regulation. Minimum discharge for 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.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	61	606	223	564	765	425	730	151	---	946	133	115
2	54	803	---	445	---	393	565	145	---	333	136	107
3	51	306	---	367	---	612	466	143	---	192	135	99
4	51	196	---	324	---	606	405	168	625	144	204	90
5	57	151	860	296	---	466	359	164	396	117	---	81
6	83	128	663	279	---	398	329	132	352	102	---	74
7	95	116	505	295	---	367	296	118	426	96	685	73
8	71	109	422	324	---	350	272	108	347	93	347	75
9	60	107	---	327	1,030	342	283	95	213	89	195	73
10	54	128	---	293	917	332	306	97	171	197	145	67
11	55	---	1,180	268	785	345	238	84	183	218	116	66
12	56	---	722	281	619	462	221	116	182	---	95	68
13	63	---	626	269	605	---	211	143	129	---	85	71
14	97	808	676	257	677	---	201	126	205	622	80	73
15	89	459	568	258	622	1,040	197	114	257	429	228	63
16	119	324	491	250	766	736	191	121	195	222	144	57
17	103	258	425	---	598	590	184	---	141	264	126	52
18	84	219	470	---	516	517	179	---	103	846	99	50
19	77	206	---	1,170	463	471	166	1,060	83	540	---	52
20	70	202	---	758	428	419	157	552	71	277	---	52
21	65	175	874	---	402	388	165	338	63	241	---	48
22	68	157	658	---	643	522	185	514	57	181	537	48
23	70	927	549	1,040	1,020	557	164	286	50	147	546	47
24	72	875	478	746	687	435	150	226	58	121	344	48
25	75	411	---	---	770	369	225	247	73	129	363	46
26	116	301	---	---	651	354	336	200	93	99	253	59
27	100	435	---	---	524	346	202	156	76	115	209	262
28	551	393	970	979	460	314	303	150	43	1,070	179	442
29	455	264	654	763	---	---	271	896	50	463	155	405
30	208	223	500	730	---	---	171	528	---	247	139	698
31	138	---	567	742	---	1,160	---	---	---	157	124	---

SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 2000 - 2010	
Lowest daily mean	40	Sep 8	43	Jun 28	27	Jun 20, 2008
Annual seven-day minimum	46	Sep 4	49	Sep 19	40	Aug 7, 2002
Maximum peak flow			^a Not Determined		^a Not Determined	
Maximum peak stage			13.95	Jan 26	17.37	Aug 28, 2008
Instantaneous low flow			34	Jun 29	^a 23	Jun 20, 2008

^a See Remarks.

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