

Water-Data Report 2007

02126000 ROCKY RIVER NEAR NORWOOD, NC

Upper Pee Dee Basin
Rocky Subbasin

LOCATION.--Lat 35°08'56", long 80°10'33" referenced to North American Datum of 1983, Stanly County, NC, Hydrologic Unit 03040105, on left bank, 1,000 ft downstream from Lanes Creek, 1.5 miles upstream from bridge on Secondary Road 1935, 6 miles southwest of Norwood, N.C., and 11.2 miles upstream from mouth

DRAINAGE AREA.--1,372 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1929 to current year.

REVISED RECORDS.--WSP 852: 1937. WSP 1052: 1936(M). WSP 1503: 1935, 1945. WDR NC-80-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 212.91 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Minimum discharge for current water year also occurred August 20-24, September 30. Maximum gage height for period of record, from floodmark.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in August 1908 reached a stage of 35 ft, from information by local residents; discharge, 67,600 ft³/s.

02126000 ROCKY RIVER NEAR NORWOOD, NC—Continued

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	123	289	1,110	1,250	830	1,180	463	320	134	442	303	117
2	113	251	1,520	2,300	4,070	28,400	507	300	126	248	207	128
3	109	218	1,100	1,580	2,620	19,300	541	287	157	209	138	102
4	110	196	896	1,200	1,410	5,640	489	272	301	164	113	76
5	110	185	807	1,100	1,030	2,050	443	284	294	137	102	66
6	110	175	753	6,880	851	1,530	417	365	202	122	91	68
7	108	238	719	4,170	765	1,280	399	320	159	117	86	65
8	137	934	670	15,100	703	1,140	372	282	142	149	86	66
9	233	1,330	635	8,360	649	1,020	368	265	135	128	79	66
10	292	625	599	3,200	600	933	356	260	128	323	80	61
11	174	422	585	2,000	557	862	362	315	151	772	75	63
12	146	1,860	582	1,560	530	784	1,060	287	169	275	69	63
13	246	1,810	574	1,340	643	758	1,400	563	145	221	64	61
14	236	777	569	1,190	9,440	743	691	477	171	168	65	60
15	159	541	565	1,070	4,380	717	4,080	316	320	142	61	83
16	124	11,000	557	998	2,030	893	8,730	261	424	359	61	154
17	166	9,900	543	904	1,460	1,720	2,520	229	325	249	60	139
18	4,500	2,180	522	829	1,220	1,280	1,250	212	202	198	63	106
19	1,460	1,090	514	879	1,050	910	908	201	168	167	62	82
20	582	793	512	928	947	787	792	190	149	159	59	69
21	380	1,160	505	814	897	760	878	179	132	142	57	70
22	304	39,300	1,500	3,780	879	714	682	172	135	126	59	70
23	246	39,300	7,390	3,120	829	683	559	164	119	108	60	69
24	214	7,520	2,360	1,660	766	659	489	158	110	100	59	67
25	193	2,390	6,810	1,230	855	605	447	156	210	95	64	63
26	181	1,680	10,500	1,020	4,540	569	417	153	999	87	99	64
27	183	1,340	3,340	890	2,390	546	382	146	461	88	134	61
28	1,060	1,160	1,910	803	1,470	530	413	144	391	97	273	62
29	1,210	1,040	1,430	736	---	511	415	139	253	207	166	60
30	527	955	1,200	683	---	489	351	135	369	215	114	57
31	355	---	1,080	621	---	477	---	131	---	267	113	---
Total	14,091	130,659	52,357	72,195	48,411	78,470	31,181	7,683	7,181	6,281	3,122	2,338
Mean	455	4,355	1,689	2,329	1,729	2,531	1,039	248	239	203	101	77.9
Max	4,500	39,300	10,500	15,100	9,440	28,400	8,730	563	999	772	303	154
Min	108	175	505	621	530	477	351	131	110	87	57	57
Cfsm	0.33	3.17	1.23	1.70	1.26	1.84	0.76	0.18	0.17	0.15	0.07	0.06
In.	0.38	3.54	1.42	1.96	1.31	2.13	0.85	0.21	0.19	0.17	0.08	0.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	868	821	1,285	2,368	2,666	2,687	1,737	829	710	752	725	713
Max	6,837	4,763	4,564	7,458	7,922	7,674	7,097	4,606	4,519	3,479	2,917	8,262
(WY)	(1991)	(1949)	(1933)	(1998)	(1960)	(1993)	(1936)	(2003)	(2003)	(1997)	(1967)	(1945)
Min	45.9	54.1	105	152	321	412	234	140	88.5	95.6	82.4	41.0
(WY)	(1931)	(1942)	(1934)	(1934)	(1938)	(1981)	(1967)	(2002)	(1986)	(1986)	(1957)	(1954)

02126000 ROCKY RIVER NEAR NORWOOD, NC—Continued

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1930 - 2007	
Annual total	342,995		453,969			
Annual mean	940		1,244		1,341	
Highest annual mean					3,127	2003
Lowest annual mean					406	2002
Highest daily mean	39,300	Nov 22	39,300	Nov 22	85,600	Sep 18, 1945
Lowest daily mean	71	Aug 3	57	Aug 21	19	Oct 28, 1931
Annual seven-day minimum	81	Jul 29	60	Aug 18	26	Oct 7, 1954
Maximum peak flow			56,600	Nov 22	105,000	Sep 18, 1945
Maximum peak stage			30.80	Nov 22	^a 46.37	Sep 18, 1945
Instantaneous low flow			^a 54	Aug 17	17	Oct 8, 1954
Annual runoff (cfsm)	0.685		0.907		0.977	
Annual runoff (inches)	9.30		12.31		13.28	
10 percent exceeds	1,510		1,950		2,900	
50 percent exceeds	334		382		400	
90 percent exceeds	122		76		105	

^a See Remarks.

