

Water-Data Report 2008

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, 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.--Records good except those for estimated daily discharges, which are poor. 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.

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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	55	107	94	1,310	875	468	430	948	184	103	113	1,270
2	55	100	91	541	3,930	398	509	647	152	122	149	663
3	58	92	91	330	1,240	350	466	493	135	92	152	388
4	58	84	86	240	682	349	558	404	125	71	104	291
5	64	78	88	193	503	5,550	7,050	348	116	63	79	225
6	66	78	86	175	416	2,740	5,340	312	110	263	72	345
7	65	78	87	163	363	1,410	2,100	279	106	296	63	468
8	61	73	93	154	324	4,970	1,220	255	93	230	72	324
9	58	75	92	145	286	2,670	889	246	87	574	72	215
10	58	73	87	144	257	1,220	713	271	81	688	87	262
11	56	72	87	146	228	873	602	315	81	380	72	1,640
12	56	71	83	159	211	708	540	285	104	427	58	1,650
13	56	71	81	182	224	598	512	385	237	240	74	716
14	58	80	81	164	490	540	490	276	157	177	404	445
15	61	80	86	140	630	650	433	222	109	393	242	330
16	61	80	132	130	433	6,540	389	218	110	181	203	360
17	64	81	420	161	345	2,350	363	230	100	122	353	1,730
18	66	85	247	1,360	524	1,090	335	238	80	100	2,090	764
19	63	88	144	917	1,010	815	318	206	68	85	240	431
20	64	85	104	821	552	1,860	312	332	64	83	143	314
21	108	86	91	743	393	1,570	315	512	65	76	98	251
22	119	82	85	447	668	897	324	570	81	68	75	220
23	81	78	103	362	1,190	715	304	307	2,300	114	63	192
24	76	92	114	342	675	597	288	224	869	2,180	54	173
25	92	109	133	309	476	520	275	183	263	565	51	164
26	714	88	203	259	498	472	263	160	165	234	318	174
27	1,050	84	991	226	1,590	432	1,880	147	123	155	13,300	660
28	480	87	493	207	1,040	408	7,890	151	109	121	23,100	1,190
29	245	96	329	195	619	390	7,400	186	89	101	13,200	627
30	159	97	1,840	189	---	381	1,890	e400	139	89	1,300	419
31	123	---	4,700	185	---	391	---	e250	---	87	901	---
Total	4,450	2,530	11,442	11,039	20,672	42,922	44,398	10,000	6,502	8,480	57,302	16,901
Mean	144	84.3	369	356	713	1,385	1,480	323	217	274	1,848	563
Max	1,050	109	4,700	1,360	3,930	6,540	7,890	948	2,300	2,180	23,100	1,730
Min	55	71	81	130	211	349	263	147	64	63	51	164
Cfs/m	0.10	0.06	0.27	0.26	0.52	1.01	1.08	0.24	0.16	0.20	1.35	0.41
In.	0.12	0.07	0.31	0.30	0.56	1.16	1.20	0.27	0.18	0.23	1.55	0.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	859	812	1,273	2,342	2,640	2,670	1,733	823	704	746	740	711
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)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1930 - 2008	
Annual total	275,284		236,638			
Annual mean	754		647		1,332	
Highest annual mean					3,127	
Lowest annual mean					406	
Highest daily mean	28,400	Mar 2	23,100	Aug 28	85,600	Sep 18, 1945
Lowest daily mean	55	Oct 1	51	Aug 25	19	Oct 28, 1931
Annual seven-day minimum	58	Oct 8	58	Oct 8	26	Oct 7, 1954
Maximum peak flow			26,700	Aug 28	105,000	Sep 18, 1945
Maximum peak stage			18.67	Aug 28	^a 46.37	Sep 18, 1945
Instantaneous low flow			46	Aug 26	17	Oct 8, 1954
Annual runoff (cfs)	0.550		0.471		0.971	
Annual runoff (inches)	7.46		6.42		13.19	
10 percent exceeds	1,280		1,200		2,870	
50 percent exceeds	172		229		397	
90 percent exceeds	64		72		104	

^aSee Remarks.