

Water-Data Report 2013

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, daily discharges. WSP 1052: 1936, maximum discharge. WSP 1503: 1935, daily discharge); 1945, maximum and daily discharges. WDR NC-80-1: Drainage area.

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

REMARKS.--No estimated daily discharges. Records fair. Maximum gage height for period of record, from floodmark. Minimum discharge for current water year also occurred November 2.

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 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	327	72	98	339	1,850	1,490	1,140	2,110	228	11,800	1,550	221
2	357	72	102	443	843	1,050	961	1,230	213	5,160	1,910	267
3	927	76	101	964	543	878	734	989	2,540	8,580	923	472
4	580	75	103	596	445	699	631	801	6,080	3,510	678	303
5	311	79	100	395	393	593	5,950	657	1,180	2,900	525	227
6	216	80	101	292	355	697	3,010	3,220	2,400	4,300	401	196
7	183	81	105	249	324	905	1,450	4,740	10,400	3,420	569	174
8	214	77	109	226	401	642	1,040	2,010	11,000	4,770	653	160
9	327	81	109	237	1,120	514	853	1,200	3,850	3,080	448	151
10	239	85	110	212	713	454	729	819	3,480	1,570	630	147
11	181	82	107	208	511	416	609	631	7,690	1,730	941	140
12	149	80	117	200	593	1,940	700	530	2,510	4,760	641	135
13	134	87	122	197	664	3,960	1,170	476	1,290	1,940	681	139
14	119	89	121	196	636	1,370	869	420	1,730	1,250	652	158
15	113	103	120	196	573	901	616	368	1,280	2,040	465	127
16	146	161	123	242	477	717	524	334	742	1,070	360	114
17	139	226	148	466	556	592	488	310	600	728	348	110
18	139	178	334	12,300	574	516	443	285	1,350	1,120	2,260	108
19	125	128	351	4,360	482	1,220	417	286	1,070	1,450	2,220	102
20	119	106	211	1,480	566	1,370	485	978	753	680	3,440	102
21	99	98	165	898	656	849	544	1,150	613	569	1,700	107
22	94	98	322	641	518	643	416	1,110	439	2,570	3,790	1,320
23	90	96	310	507	2,420	517	359	1,270	382	1,150	1,280	1,290
24	90	93	199	425	4,600	1,290	335	1,670	352	674	886	448
25	85	88	162	373	1,840	5,120	318	1,110	794	1,960	602	259
26	83	88	473	345	4,410	2,060	300	578	502	1,780	442	200
27	82	91	3,250	329	9,570	1,160	279	411	570	2,180	366	175
28	83	92	923	317	3,050	863	399	343	2,590	8,310	327	162
29	82	90	698	302	---	715	11,500	305	14,800	2,400	295	141
30	72	97	1,100	295	---	618	5,840	273	15,000	1,170	270	129
31	76	---	527	1,480	---	708	---	248	---	784	240	---
Total	5,981	2,949	10,921	29,710	39,683	35,467	43,109	30,862	96,428	89,405	30,493	7,784
Mean	193	98.3	352	958	1,417	1,144	1,437	996	3,214	2,884	984	259
Max	927	226	3,250	12,300	9,570	5,120	11,500	4,740	15,000	11,800	3,790	1,320
Min	72	72	98	196	324	416	279	248	213	569	240	102
Cfsm	0.14	0.07	0.26	0.70	1.03	0.83	1.05	0.73	2.34	2.10	0.72	0.19
In.	0.16	0.08	0.30	0.81	1.08	0.96	1.17	0.84	2.61	2.42	0.83	0.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	823	798	1,273	2,289	2,573	2,616	1,677	816	728	758	729	685
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 2012		Water Year 2013		Water Years 1930 - 2013	
Annual total	185,859		422,792			
Annual mean	508		1,158		1,308	
Highest annual mean					3,127	2003
Lowest annual mean					406	2002
Highest daily mean	6,280	Mar 4	15,000	Jun 30	85,600	Sep 18, 1945
Lowest daily mean	72	Oct 30	72	Oct 30	19	Oct 28, 1931
Annual seven-day minimum	75	Oct 30	75	Oct 30	26	Oct 7, 1954
Maximum peak flow			24,000	Jun 29	105,000	Sep 18, 1945
Maximum peak stage			17.38	Jun 29	^a 46.37	Sep 18, 1945
Instantaneous low flow			^a 63	Nov 1	17	Oct 8, 1954
Annual runoff (cfsm)	0.370		0.844		0.953	
Annual runoff (inches)	5.04		11.46		12.95	
10 percent exceeds	1,050		2,710		2,800	
50 percent exceeds	300		488		393	
90 percent exceeds	98		100		104	

^a See Remarks.

