

Water-Data Report 2010

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.--Records fair 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 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	94	184	512	1,640	1,670	947	1,170	277	11,100	2,070	193	135
2	83	1,110	788	1,250	2,850	905	908	257	5,150	598	165	127
3	82	474	10,900	974	7,380	1,440	771	249	4,800	299	163	120
4	78	265	3,990	827	4,720	2,260	690	249	1,710	200	188	114
5	83	189	1,640	753	16,600	1,400	627	290	801	157	268	106
6	91	150	1,200	712	38,700	1,070	580	265	568	131	2,230	100
7	107	130	946	644	14,000	926	540	233	655	117	1,240	93
8	127	120	784	577	3,600	849	499	216	655	109	581	91
9	105	114	9,370	551	2,440	804	487	198	431	106	313	93
10	93	130	8,110	515	2,310	767	504	184	339	106	222	91
11	85	9,510	2,560	476	1,890	743	461	185	314	175	182	91
12	82	15,000	1,400	482	1,510	854	410	179	311	186	156	96
13	85	6,730	1,130	477	1,420	8,730	394	194	e300	3,460	134	88
14	87	1,920	1,230	458	1,630	5,090	378	205	e400	1,150	123	87
15	114	1,100	1,100	451	1,550	2,500	367	188	e457	642	188	90
16	114	792	939	441	1,910	1,630	357	178	414	351	241	83
17	137	642	826	9,390	1,570	1,280	349	447	325	249	207	81
18	133	528	739	9,390	1,290	1,060	330	4,220	253	531	167	81
19	109	472	8,030	3,020	1,150	955	318	1,430	218	724	946	77
20	100	445	4,160	1,770	1,050	837	301	862	200	352	9,480	77
21	94	412	1,940	1,940	976	756	300	527	175	249	2,440	77
22	88	395	1,310	8,640	1,260	877	303	544	159	228	657	78
23	86	3,130	1,040	3,670	2,640	1,040	304	555	149	194	682	74
24	90	3,170	892	2,080	1,880	854	280	387	140	168	520	74
25	93	1,330	7,840	29,400	1,900	735	283	336	157	210	387	77
26	88	917	22,600	22,700	1,600	689	436	363	157	169	334	82
27	123	835	7,440	6,080	1,230	659	393	288	163	169	247	112
28	253	971	2,290	2,050	1,050	619	329	253	149	826	207	336
29	755	696	1,480	1,560	---	3,370	458	485	121	823	178	407
30	327	567	1,100	1,430	---	6,200	345	859	156	381	158	750
31	193	---	1,330	1,460	---	1,990	---	460	---	244	147	---
Total	4,179	52,428	109,616	115,808	121,776	52,836	13,872	15,563	30,927	15,374	23,344	3,988
Mean	135	1,748	3,536	3,736	4,349	1,704	462	502	1,031	496	753	133
Max	755	15,000	22,600	29,400	38,700	8,730	1,170	4,220	11,100	3,460	9,480	750
Min	78	114	512	441	976	619	280	178	121	106	123	74
Cfsm	0.10	1.27	2.58	2.72	3.17	1.24	0.34	0.37	0.75	0.36	0.55	0.10
In.	0.11	1.42	2.97	3.14	3.30	1.43	0.38	0.42	0.84	0.42	0.63	0.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	842	816	1,302	2,346	2,635	2,673	1,708	816	707	745	733	696
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 2009		Water Year 2010		Water Years 1930 - 2010	
Annual total	442,026		559,711			
Annual mean	1,211		1,533		1,329	
Highest annual mean					3,127	2003
Lowest annual mean					406	2002
Highest daily mean	28,500	Mar 2	38,700	Feb 6	85,600	Sep 18, 1945
Lowest daily mean	64	Sep 9	74	Sep 23	19	Oct 28, 1931
Annual seven-day minimum	70	Sep 5	76	Sep 19	26	Oct 7, 1954
Maximum peak flow			47,200	Feb 6	105,000	Sep 18, 1945
Maximum peak stage			27.31	Feb 6	^a 46.37	Sep 18, 1945
Instantaneous low flow			68	Sep 23	17	Oct 8, 1954
Annual runoff (cfsm)	0.883		1.12		0.969	
Annual runoff (inches)	11.98		15.18		13.16	
10 percent exceeds	2,240		3,150		2,850	
50 percent exceeds	384		472		396	
90 percent exceeds	94		95		104	

^a See Remarks.

