



Water-Data Report 2011

0212430293 REEDY CREEK BELOW I-485 NEAR PINE RIDGE, NC

Upper Pee Dee Basin
Rocky Subbasin

LOCATION.--Lat 35°15'31", long 80°39'46" referenced to North American Datum of 1983, Mecklenburg County, NC, Hydrologic Unit 03040105, on right upstream bank 150 ft downstream from U.S. Interstate Highway 485 and 2.0 mi southeast of Pine Ridge.

DRAINAGE AREA.--12.6 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 2007 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 595.73 ft above North American Vertical Datum of 1988, from levels. Satellite and radio telemetry at streamgage.

REMARKS.--No estimated daily discharges. Records fair. Minimum discharge for period of record also occurred October 9, 17-18, 2007. Maximum gage height for period of record from crest-stage gage. Maximum discharge for period of record and current water year from rating curve extended above 800 ft³/s on basis of slope-area measurement of peak flow. Minimum discharge for current water year also occurred July 31, September 2.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.3	2.3	18	3.9	3.6	18	12	4.0	3.4	2.2	2.8	1.2
2	2.5	2.3	3.8	6.4	14	5.8	9.1	3.9	3.3	2.1	1.8	4.5
3	2.3	2.4	3.2	4.2	5.0	4.5	8.1	5.0	2.9	2.0	1.6	3.9
4	2.3	4.0	3.1	3.6	26	4.0	7.7	18	2.9	15	1.6	2.0
5	2.3	3.1	3.1	3.6	40	4.0	15	5.6	2.9	6.1	254	6.6
6	2.2	2.7	2.9	3.9	9.8	62	7.7	4.9	2.8	6.3	21	5.0
7	2.2	2.3	2.9	3.8	6.3	17	6.8	4.3	2.7	3.6	7.8	2.1
8	2.1	2.3	2.7	3.8	5.3	9.4	6.4	4.0	2.8	2.9	4.7	1.7
9	2.2	2.2	2.6	3.5	5.1	18	8.2	3.7	2.6	2.5	5.3	1.5
10	2.1	2.2	2.6	3.8	4.6	43	9.6	3.6	2.9	2.1	3.4	1.4
11	1.9	2.3	2.7	4.9	4.3	14	6.9	11	3.4	2.0	3.0	1.4
12	2.0	2.3	4.1	4.5	4.2	9.2	6.5	5.4	4.0	1.8	2.9	1.4
13	1.9	2.3	3.2	4.0	4.1	7.9	5.9	4.3	2.7	12	2.8	1.3
14	2.1	2.4	2.7	3.8	3.8	7.1	5.7	4.0	2.6	4.5	11	1.3
15	1.9	2.4	2.7	4.0	3.7	8.6	5.3	3.9	2.3	2.4	11	1.3
16	1.9	2.7	3.1	4.1	3.6	12	12	4.3	2.5	2.2	3.1	1.3
17	1.8	3.3	3.4	4.0	3.6	7.6	7.1	88	2.6	2.1	2.3	1.4
18	1.8	2.5	3.0	4.2	3.6	6.7	5.6	12	2.4	1.9	2.0	1.5
19	1.8	2.4	3.0	3.8	3.4	6.1	5.3	7.0	2.5	1.8	1.9	1.5
20	1.9	2.4	2.9	3.8	3.5	6.0	5.0	5.5	2.4	1.8	1.8	1.6
21	2.0	2.4	2.9	3.6	3.5	6.0	4.9	4.8	3.6	1.7	1.8	2.3
22	2.0	2.4	3.0	3.5	3.6	5.7	6.3	4.3	11	1.6	3.0	2.1
23	1.8	2.5	2.9	3.7	3.8	5.6	5.5	4.6	3.1	1.5	1.7	121
24	1.8	2.6	2.9	3.6	3.9	5.6	4.9	4.0	2.6	1.9	1.6	13
25	3.0	2.6	3.1	3.7	3.9	5.3	4.6	3.7	2.5	1.6	1.6	9.0
26	2.6	2.8	5.2	5.2	3.8	8.0	4.5	3.5	2.3	1.7	1.5	11
27	2.4	2.8	3.9	4.4	3.8	25	4.4	21	2.2	1.7	1.5	13
28	5.7	2.6	3.4	3.8	21	12	6.0	9.3	3.3	1.3	1.3	47
29	2.7	2.6	3.2	3.6	---	7.9	4.4	5.0	6.4	1.2	1.2	6.6
30	2.5	2.8	3.0	3.6	---	65	4.0	4.1	2.5	1.1	1.2	4.7
31	2.4	---	3.1	3.6	---	20	---	3.6	---	9.4	1.2	---
Total	71.4	76.9	112.3	123.9	204.8	437.0	205.4	270.3	96.1	102.0	363.4	273.6
Mean	2.30	2.56	3.62	4.00	7.31	14.1	6.85	8.72	3.20	3.29	11.7	9.12
Max	5.7	4.0	18	6.4	40	65	15	88	11	15	254	121
Min	1.8	2.2	2.6	3.5	3.4	4.0	4.0	3.5	2.2	1.1	1.2	1.2
Cfsm	0.18	0.20	0.29	0.32	0.58	1.12	0.54	0.69	0.25	0.26	0.93	0.72
In.	0.21	0.23	0.33	0.37	0.60	1.29	0.61	0.80	0.28	0.30	1.07	0.81

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2007 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	3.40	8.06	12.6	14.4	15.8	19.1	8.45	9.85	11.0	7.43	19.4	8.18
Max	4.56	24.0	29.5	37.7	40.9	30.3	10.4	19.8	21.8	11.6	44.4	17.4
(WY)	(2010)	(2010)	(2010)	(2010)	(2010)	(2009)	(2009)	(2009)	(2010)	(2009)	(2008)	(2008)
Min	2.30	1.18	3.62	4.00	7.31	14.1	6.85	4.03	3.20	3.29	3.98	2.79
(WY)	(2011)	(2008)	(2011)	(2011)	(2009)	(2011)	(2011)	(2008)	(2011)	(2011)	(2009)	(2010)

0212430293 REEDY CREEK BELOW I-485 NEAR PINE RIDGE, NC—Continued**SUMMARY STATISTICS**

	Calendar Year 2010	Water Year 2011		Water Years 2007 - 2011	
Annual total	5,116.5		2,337.1		
Annual mean	14.0		6.40		11.5
Highest annual mean				18.2	2010
Lowest annual mean				6.40	2011
Highest daily mean	656	Jan 25	254	Aug 5	1,100 Aug 27, 2008
Lowest daily mean	1.3	Sep 24	1.1	Jul 30	0.21 Oct 17, 2007
Annual seven-day minimum	1.4	Sep 19	1.3	Aug 26	0.24 Oct 12, 2007
Maximum peak flow			a1,470	Aug 5	a4,500 Aug 27, 2008
Maximum peak stage				11.19 Aug 5	a15.08 Aug 27, 2008
Instantaneous low flow				a1.0 Jul 30	a0.14 Oct 3, 2007
Annual runoff (cfsm)	1.11		0.508		0.910
Annual runoff (inches)	15.11		6.90		12.37
10 percent exceeds	23		10		19
50 percent exceeds	4.7		3.5		4.6
90 percent exceeds	2.1		1.8		1.6

^a See Remarks.

