

Water-Data Report 2010

**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 mi<sup>2</sup>.

**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.--Records fair, except those for estimated daily discharges, which are poor. 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 ft<sup>3</sup>/s on basis of slope-area measurement of peak flow.

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

**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	3.4	28	6.1	12	20	16	11	5.0	328	8.1	4.3	2.4
2	3.6	8.2	56	10	49	18	10	4.6	53	3.5	4.0	2.2
3	e3.6	6.3	41	9.1	46	23	9.9	4.9	19	2.9	4.3	2.2
4	e2.8	5.7	13	8.6	29	17	9.5	4.8	11	2.8	3.9	2.1
5	e8.0	5.5	10	8.3	391	14	9.1	4.2	9.2	2.7	87	2.1
6	3.9	5.5	8.2	7.8	87	13	8.8	4.1	9.2	2.6	36	2.1
7	3.7	5.5	7.3	7.0	36	13	8.6	4.1	9.1	2.5	26	2.1
8	3.5	5.5	14	6.8	29	12	8.8	4.4	6.8	2.3	4.5	1.9
9	3.5	5.4	124	6.5	27	12	9.0	4.3	6.6	2.4	4.3	1.8
10	3.6	30	23	6.3	25	11	7.8	4.2	6.2	2.4	3.9	1.7
11	3.5	294	16	6.7	22	12	7.7	4.6	6.0	2.3	3.9	1.7
12	3.8	163	13	6.8	24	29	7.6	4.7	5.6	121	4.1	1.8
13	4.0	23	15	6.3	26	54	7.5	4.7	9.6	16	4.0	1.6
14	4.1	11	12	6.4	24	22	7.3	4.7	7.8	5.9	4.0	1.6
15	4.5	7.9	11	6.4	29	15	7.3	4.7	5.5	4.8	4.2	1.7
16	4.1	6.7	9.4	6.5	25	12	7.3	6.7	5.4	5.9	4.1	1.6
17	3.9	5.9	8.4	89	22	11	7.2	12	4.8	8.2	3.8	1.5
18	3.8	5.8	23	18	21	11	6.7	7.0	4.7	5.4	3.7	1.5
19	3.6	5.7	43	11	20	10	6.3	5.0	4.6	4.1	255	1.4
20	3.6	5.1	16	8.9	18	9.9	6.2	4.5	4.5	4.0	19	1.5
21	3.6	4.9	11	25	18	10	7.7	4.7	4.2	4.1	10	1.4
22	3.6	5.1	8.7	24	34	12	7.3	5.0	4.1	4.1	6.7	1.4
23	3.5	26	7.7	12	25	10	7.2	4.2	4.1	4.0	5.5	1.4
24	4.0	10	7.0	47	23	9.4	7.0	4.1	3.7	3.9	5.3	1.3
25	3.8	7.4	292	656	22	9.3	11	4.3	3.6	3.9	4.8	1.4
26	3.6	6.8	43	44	18	9.3	7.3	4.2	3.9	3.6	5.1	3.4
27	9.1	7.0	20	28	18	8.8	8.1	4.2	3.3	46	4.0	9.5
28	15	6.1	16	23	17	12	6.7	19	3.3	17	3.4	4.2
29	6.1	5.7	13	19	---	62	4.4	22	3.2	5.0	3.2	6.1
30	5.3	6.1	12	22	---	19	4.9	6.4	105	4.0	2.7	17
31	5.4	---	16	20	---	13	---	31	---	4.1	2.5	---
<b>Total</b>	141.5	718.8	915.8	1,168.4	1,145	509.7	235.2	212.3	655.0	309.5	537.2	83.6
<b>Mean</b>	4.56	24.0	29.5	37.7	40.9	16.4	7.84	6.85	21.8	9.98	17.3	2.79
<b>Max</b>	15	294	292	656	391	62	11	31	328	121	255	17
<b>Min</b>	2.8	4.9	6.1	6.3	17	8.8	4.4	4.1	3.2	2.3	2.5	1.3
<b>Cfsm</b>	0.36	1.90	2.34	2.99	3.25	1.30	0.62	0.54	1.73	0.79	1.38	0.22
<b>In.</b>	0.42	2.12	2.70	3.45	3.38	1.50	0.69	0.63	1.93	0.91	1.59	0.25

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2007 - 2010, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	3.77	9.89	15.6	17.9	18.6	20.7	8.98	10.2	13.6	8.81	21.9	7.87
<b>Max</b>	4.56	24.0	29.5	37.7	40.9	30.3	10.4	19.8	21.8	11.6	44.4	17.4
<b>(WY)</b>	(2010)	(2010)	(2010)	(2010)	(2010)	(2009)	(2009)	(2009)	(2010)	(2009)	(2008)	(2008)
<b>Min</b>	2.69	1.18	5.84	4.54	7.31	15.4	7.84	4.03	6.56	4.85	3.98	2.79
<b>(WY)</b>	(2008)	(2008)	(2008)	(2008)	(2009)	(2008)	(2010)	(2008)	(2008)	(2008)	(2009)	(2010)

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

SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 2007 - 2010	
<b>Annual total</b>	5,161.6		6,632.0			
<b>Annual mean</b>	14.1		18.2		13.2	
<b>Highest annual mean</b>					18.2 2010	
<b>Lowest annual mean</b>					10.3 2008	
<b>Highest daily mean</b>	294	Nov 11	656	Jan 25	1,100	Aug 27, 2008
<b>Lowest daily mean</b>	2.8	Oct 4	1.3	Sep 24	0.21	Oct 17, 2007
<b>Annual seven-day minimum</b>	2.9	Sep 2	1.4	Sep 19	0.24	Oct 12, 2007
<b>Maximum peak flow</b>			<sup>a</sup> 3,150	Jan 25	<sup>a</sup> 4,500	Aug 27, 2008
<b>Maximum peak stage</b>			14.05	Jan 25	<sup>a</sup> 15.08	Aug 27, 2008
<b>Instantaneous low flow</b>			1.0	Jul 6	<sup>a</sup> 0.14	Oct 3, 2007
<b>Annual runoff (cfsm)</b>	1.12		1.44		1.04	
<b>Annual runoff (inches)</b>	15.24		19.58		14.19	
<b>10 percent exceeds</b>	23		27		23	
<b>50 percent exceeds</b>	6.8		6.8		5.3	
<b>90 percent exceeds</b>	3.4		2.9		1.5	

<sup>a</sup> See Remarks.

