

Water-Data Report 2013

**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.--No estimate 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 ft<sup>3</sup>/s on basis of slope-area measurement of peak flow. Minimum discharge for current water year also occurred October 24, 25.

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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	2.5	0.81	0.93	2.9	4.4	6.1	10	8.0	4.6	9.5	7.3	4.1
2	3.0	0.79	0.97	5.0	3.9	5.5	8.5	7.8	10	6.9	7.0	4.1
3	1.9	0.78	0.94	3.1	3.8	5.2	7.5	6.7	101	6.9	6.2	3.4
4	1.5	0.79	0.95	2.7	3.8	4.7	38	6.1	12	6.9	6.0	3.2
5	1.3	0.78	0.97	2.5	3.7	6.0	32	8.5	7.9	5.7	5.7	3.1
6	1.3	0.78	0.95	2.5	3.6	9.3	13	63	115	6.6	14	3.0
7	4.2	0.83	0.98	2.4	4.2	5.6	10	14	71	19	6.4	3.0
8	1.4	0.78	1.0	2.3	11	5.0	9.2	9.3	184	15	5.6	2.9
9	1.0	0.78	1.0	2.3	4.8	4.8	8.3	7.5	18	6.6	5.4	2.8
10	0.96	0.82	1.5	2.2	4.5	4.6	7.8	7.1	70	5.6	5.2	2.9
11	0.88	0.76	1.7	2.2	5.9	4.5	7.4	7.1	35	10	5.0	2.7
12	0.85	0.80	1.8	2.2	4.7	64	12	7.2	13	9.8	4.8	2.7
13	0.83	0.96	1.9	2.1	4.7	13	8.9	5.8	27	6.2	4.5	2.7
14	0.83	0.87	2.0	2.0	4.7	7.9	7.5	5.3	17	9.4	4.5	2.5
15	1.1	2.0	2.1	1.7	4.2	7.0	7.0	5.2	8.4	6.3	4.2	2.6
16	0.93	1.1	2.5	2.0	4.6	6.5	6.3	5.0	6.7	5.3	4.3	2.7
17	0.81	0.88	5.1	74	5.1	6.0	6.2	4.8	16	5.2	8.7	2.5
18	0.79	0.86	2.8	30	5.1	18	6.2	4.8	11	5.4	6.7	2.5
19	0.75	0.86	2.5	5.9	6.9	33	6.4	10	8.5	5.3	15	2.5
20	0.76	0.88	3.8	4.2	5.0	11	6.4	15	7.1	5.0	6.1	2.6
21	0.71	0.88	5.0	4.0	4.4	8.7	6.1	9.6	6.5	46	4.8	6.3
22	0.67	0.87	2.8	3.6	6.2	7.7	6.1	6.5	6.4	20	4.6	25
23	0.67	0.89	2.7	3.9	25	7.4	5.8	28	7.2	6.8	4.2	3.8
24	0.65	0.89	3.5	3.7	9.8	39	5.8	15	6.8	72	4.2	2.6
25	0.65	0.90	3.3	3.8	6.2	19	5.4	6.6	6.4	39	3.8	2.4
26	0.69	0.92	26	3.6	63	12	5.0	5.7	6.4	7.7	3.7	2.3
27	0.71	0.96	4.9	3.3	16	9.5	5.0	5.2	6.3	116	3.6	2.1
28	0.72	0.94	3.3	3.4	8.2	8.6	25	4.8	21	22	3.5	1.9
29	0.71	0.90	4.7	3.4	---	7.9	40	4.5	46	10	3.5	1.9
30	0.79	0.91	3.0	5.1	---	8.8	11	4.3	9.0	7.1	3.5	1.9
31	0.79	---	2.7	10	---	15	---	4.5	---	6.8	3.6	---
<b>Total</b>	35.35	26.97	98.29	202.0	237.4	371.3	333.8	302.9	865.2	510.0	175.6	108.7
<b>Mean</b>	1.14	0.90	3.17	6.52	8.48	12.0	11.1	9.77	28.8	16.5	5.66	3.62
<b>Max</b>	4.2	2.0	26	74	63	64	40	63	184	116	15	25
<b>Min</b>	0.65	0.76	0.93	1.7	3.6	4.5	5.0	4.3	4.6	5.0	3.5	1.9
<b>Cfsm</b>	0.09	0.07	0.25	0.52	0.67	0.95	0.88	0.78	2.29	1.31	0.45	0.29
<b>In.</b>	0.10	0.08	0.29	0.60	0.70	1.10	0.99	0.89	2.55	1.51	0.52	0.32

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2007 - 2013, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	3.54	7.01	10.6	12.4	13.2	17.1	8.50	9.22	13.0	8.24	14.3	6.57
<b>Max</b>	6.50	24.0	29.5	37.7	40.9	30.3	11.1	19.8	28.8	16.5	44.4	17.4
<b>(WY)</b>	(2012)	(2010)	(2010)	(2010)	(2010)	(2009)	(2013)	(2009)	(2013)	(2013)	(2008)	(2008)
<b>Min</b>	1.14	0.90	3.17	4.00	7.31	12.0	6.07	4.03	3.20	3.24	2.67	2.79
<b>(WY)</b>	(2013)	(2013)	(2013)	(2011)	(2009)	(2013)	(2012)	(2008)	(2011)	(2012)	(2012)	(2010)

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SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 2007 - 2013	
<b>Annual total</b>	1,934.31		3,267.51			
<b>Annual mean</b>	5.29		8.95		10.3	
<b>Highest annual mean</b>					18.2	2010
<b>Lowest annual mean</b>					6.40	2011
<b>Highest daily mean</b>	98	Mar 3	184	Jun 8	1,100	Aug 27, 2008
<b>Lowest daily mean</b>	0.65	Oct 24	0.65	Oct 24	0.21	Oct 17, 2007
<b>Annual seven-day minimum</b>	0.68	Oct 21	0.68	Oct 21	0.24	Oct 12, 2007
<b>Maximum peak flow</b>			<sup>a</sup> 1,130	Jun 8	<sup>a</sup> 4,500	Aug 27, 2008
<b>Maximum peak stage</b>			10.17	Jun 8	<sup>a</sup> 15.08	Aug 27, 2008
<b>Instantaneous low flow</b>			<sup>a</sup> 0.59	Oct 23	<sup>a</sup> 0.14	Oct 3, 2007
<b>Annual runoff (cfsm)</b>	0.419		0.710		0.818	
<b>Annual runoff (inches)</b>	5.71		9.65		11.11	
<b>10 percent exceeds</b>	9.9		16		18	
<b>50 percent exceeds</b>	3.8		4.8		4.8	
<b>90 percent exceeds</b>	0.88		0.88		1.5	

<sup>a</sup> See Remarks.

