

Water-Data Report 2008

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 0.1 mi downstream from 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 September 2008.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 535.73 ft above North American Vertical Datum of 1988, from levels.

REMARKS.--Records fair, except those for estimated daily discharges, which are poor. Minimum discharge for period of record and current water year also occurred October 9, 17-18. Maximum gage height for period of record and current water year from crest-stage gage. Maximum discharge for period of record and current water year from rating curve extended above ft³/s on basis of slope-area measurement of peak flow.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	0.30
9	---	---	---	---	---	---	---	---	---	---	---	0.30
10	---	---	---	---	---	---	---	---	---	---	---	0.29
11	---	---	---	---	---	---	---	---	---	---	---	0.27
12	---	---	---	---	---	---	---	---	---	---	---	0.30
13	---	---	---	---	---	---	---	---	---	---	---	0.39
14	---	---	---	---	---	---	---	---	---	---	---	0.98
15	---	---	---	---	---	---	---	---	---	---	---	2.9
16	---	---	---	---	---	---	---	---	---	---	---	0.60
17	---	---	---	---	---	---	---	---	---	---	---	0.50
18	---	---	---	---	---	---	---	---	---	---	---	0.46
19	---	---	---	---	---	---	---	---	---	---	---	0.50
20	---	---	---	---	---	---	---	---	---	---	---	0.49
21	---	---	---	---	---	---	---	---	---	---	---	0.53
22	---	---	---	---	---	---	---	---	---	---	---	0.52
23	---	---	---	---	---	---	---	---	---	---	---	0.46
24	---	---	---	---	---	---	---	---	---	---	---	0.39
25	---	---	---	---	---	---	---	---	---	---	---	0.35
26	---	---	---	---	---	---	---	---	---	---	---	0.29
27	---	---	---	---	---	---	---	---	---	---	---	0.28
28	---	---	---	---	---	---	---	---	---	---	---	0.26
29	---	---	---	---	---	---	---	---	---	---	---	0.22
30	---	---	---	---	---	---	---	---	---	---	---	0.28
31	---	---	---	---	---	---	---	---	---	---	---	---

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.30	1.2	1.2	6.9	56	4.9	5.9	8.3	1.9	3.1	2.6	20
2	0.26	0.92	1.3	4.7	14	4.7	5.0	6.6	1.5	3.0	1.4	18
3	0.25	0.83	1.4	3.8	8.0	4.6	6.6	5.7	1.4	2.9	1.2	18
4	0.34	0.87	1.3	3.5	6.2	54	8.2	5.3	1.4	3.5	1.1	17
5	0.33	0.92	1.3	3.4	5.5	59	e13	4.9	1.2	3.5	1.0	17
6	0.28	0.90	1.2	3.3	5.0	14	e8.0	4.7	1.1	6.8	1.0	17
7	0.29	0.82	1.2	3.2	4.5	25	e6.9	4.4	1.00	3.6	0.94	17
8	0.30	0.94	1.3	3.1	4.0	18	e6.0	4.4	0.98	21	0.93	16
9	0.23	0.99	1.3	3.3	3.9	9.5	e5.5	4.4	0.85	9.7	0.82	16
10	0.22	1.0	1.3	3.6	3.6	7.2	5.0	3.9	0.82	7.6	0.93	110
11	0.22	1.1	1.2	4.4	3.6	6.1	4.8	5.4	1.0	4.8	0.82	41
12	0.23	1.2	1.1	3.6	4.3	5.5	7.1	4.4	2.4	2.8	0.74	12
13	0.27	1.2	1.0	3.4	12	4.9	5.3	3.5	0.81	10	3.4	8.6
14	0.29	1.1	0.80	3.2	12	4.4	4.5	3.4	2.2	8.0	1.4	7.1
15	0.24	1.8	1.7	3.0	6.1	89	4.2	3.4	1.5	2.8	1.0	6.5
16	0.23	1.4	23	2.9	5.1	41	4.0	5.1	0.82	2.2	1.2	46
17	0.21	1.1	4.5	21	4.9	14	3.9	3.5	0.67	1.7	2.4	17
18	0.21	1.1	2.9	9.6	6.1	10	3.9	3.4	0.55	1.7	1.1	8.2
19	3.6	1.1	2.6	8.0	4.6	18	4.0	3.4	0.53	1.7	0.90	6.6
20	0.92	1.1	2.6	8.0	4.1	20	4.9	3.0	0.82	1.7	0.81	6.0
21	0.41	1.1	4.2	4.5	4.1	9.9	4.0	2.9	25	1.6	0.76	5.7
22	0.42	1.5	3.1	4.0	7.9	e8.0	3.9	2.5	68	2.8	0.73	5.5
23	0.43	1.4	5.9	4.3	5.8	e7.0	3.8	2.3	53	24	0.70	5.3
24	2.1	1.2	5.4	3.3	4.9	e6.0	3.6	2.3	5.4	5.3	0.69	5.1
25	27	1.3	4.0	2.9	4.6	e5.5	3.5	2.2	4.1	2.2	3.7	4.9
26	28	1.9	27	2.8	12	e5.0	13	1.9	3.7	1.9	113	23
27	7.5	1.7	7.2	2.7	7.8	4.8	23	1.9	3.9	1.8	1,100	30
28	3.1	1.3	8.9	2.5	5.5	4.5	57	8.5	3.5	1.7	49	8.3
29	2.1	1.2	12	2.5	5.1	4.3	22	4.7	3.3	1.6	30	5.6
30	1.7	1.3	33	2.9	---	4.2	11	2.5	3.3	1.4	28	4.9
31	1.5	---	16	2.4	---	5.4	---	2.2	---	4.0	24	---
Total	83.48	35.49	180.90	140.7	231.2	478.4	261.5	125.0	196.65	150.4	1,376.27	523.3
Mean	2.69	1.18	5.84	4.54	7.97	15.4	8.72	4.03	6.55	4.85	44.4	17.4
Max	28	1.9	33	21	56	89	57	8.5	68	24	1,100	110
Min	0.21	0.82	0.80	2.4	3.6	4.2	3.5	1.9	0.53	1.4	0.69	4.9
Cfs/m	0.21	0.09	0.46	0.36	0.63	1.22	0.69	0.32	0.52	0.39	3.52	1.38
In.	0.25	0.10	0.53	0.42	0.68	1.41	0.77	0.37	0.58	0.44	4.06	1.54

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2007 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	2.69	1.18	5.84	4.54	7.97	15.4	8.72	4.03	6.56	4.85	44.4	17.4
Max	2.69	1.18	5.84	4.54	7.97	15.4	8.72	4.03	6.56	4.85	44.4	17.4
(WY)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)
Min	2.69	1.18	5.84	4.54	7.97	15.4	8.72	4.03	6.56	4.85	44.4	17.4
(WY)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)

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SUMMARY STATISTICS

	Water Year 2008		Water Years 2007 - 2008	
Annual total	3,783.29			
Annual mean	10.3		10.3	
Highest annual mean			10.3	2008
Lowest annual mean			10.3	2008
Highest daily mean	1,100	Aug 27	1,100	Aug 27, 2008
Lowest daily mean	0.21	Oct 17	0.21	Oct 17, 2007
Annual seven-day minimum	0.24	Oct 12	0.24	Oct 12, 2007
Maximum peak flow	^a 4,500	Aug 27	^a 4,500	Aug 27, 2008
Maximum peak stage	^a 15.08	Aug 27	^a 15.08	Aug 27, 2008
Instantaneous low flow	^a 0.14	Oct 3	^a 0.14	Oct 3, 2007
Annual runoff (cfs)	0.820		0.820	
Annual runoff (inches)	11.17		11.15	
10 percent exceeds	18		18	
50 percent exceeds	3.6		3.6	
90 percent exceeds	0.82		0.82	

^aSee Remarks.