

Water-Data Report 2007

0212427947 REEDY CREEK AT SECONDARY ROAD 2803 NEAR CHARLOTTE, NC

Upper Pee Dee Basin
Rocky Subbasin

LOCATION.--Lat 35°15'23", long 80°42'02" referenced to North American Datum of 1983, Mecklenburg County, NC, Hydrologic Unit 03040105, on right downstream wingwall on Secondary Road 2803, 3.8 mi southeast of the University of North Carolina at Charlotte.

DRAINAGE AREA.--2.50 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2001 to September 2007 (discontinued).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 637.45 ft, North American Vertical Datum of 1988, from levels. Radio telemetry at station.

REMARKS.--Records poor. No flow also occurred July 31, August 1, 7, 10, 11, 2002, August 17-21, September 9, 12, 22-25, 2007.

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.83	1.3	3.3	4.8	3.9	18	2.2	0.89	0.60	0.47	0.14	0.15
2	0.83	1.2	2.0	2.7	4.1	92	2.1	0.87	0.59	0.41	0.13	0.14
3	0.82	1.1	1.8	2.3	2.6	6.2	1.8	0.87	1.4	0.39	0.11	0.12
4	0.82	1.1	1.6	2.4	2.2	4.1	1.7	2.2	0.74	0.38	0.09	0.13
5	0.81	1.1	1.5	9.7	2.0	3.3	1.6	1.2	0.65	0.37	0.08	0.12
6	1.3	1.1	1.5	6.5	2.1	2.8	1.7	1.0	0.60	0.35	0.08	0.11
7	1.0	4.4	1.5	8.5	2.1	2.6	1.7	0.87	0.60	0.41	0.07	0.11
8	3.3	6.4	1.2	21	1.9	2.5	1.6	0.84	0.63	0.37	0.08	0.10
9	1.4	2.4	1.2	e5.2	1.9	2.4	1.7	0.92	0.64	0.37	0.07	0.09
10	1.0	1.9	1.2	e3.6	1.7	2.3	1.7	1.00	0.58	0.36	0.07	0.10
11	0.93	3.9	1.1	e2.9	1.7	2.2	2.3	0.92	0.59	0.35	0.07	0.08
12	1.0	12	1.1	2.5	1.7	2.0	3.8	0.94	0.63	0.34	0.08	0.04
13	0.84	3.2	1.2	2.3	18	1.9	1.9	0.91	0.71	0.31	0.07	0.07
14	0.91	2.6	1.2	2.2	16	2.1	1.9	0.84	1.7	0.32	0.10	0.48
15	0.83	2.3	1.2	2.2	4.5	2.2	17	0.85	0.74	0.64	0.08	0.54
16	0.83	42	1.1	2.1	3.3	4.2	3.4	0.76	0.62	0.32	0.04	0.23
17	14	6.2	1.0	1.7	2.8	2.6	2.0	0.76	0.56	0.25	0.00	0.20
18	5.3	3.9	1.0	2.3	2.5	e2.1	1.6	0.74	0.53	0.49	0.00	0.18
19	1.9	2.9	1.0	2.3	2.2	2.0	1.9	0.77	0.56	0.23	0.00	0.22
20	1.6	2.5	0.98	2.0	2.0	2.1	1.9	0.74	0.56	0.20	0.00	0.22
21	1.4	28	1.0	3.9	2.0	1.8	1.4	0.70	0.52	0.19	0.03	0.27
22	1.2	98	7.1	5.4	1.9	1.9	1.3	0.70	0.50	0.17	0.05	0.08
23	1.1	9.6	3.3	2.8	1.9	1.9	1.3	0.66	0.49	0.17	0.24	0.00
24	1.1	4.5	2.1	2.4	1.9	2.0	1.2	0.61	0.46	0.19	0.11	0.01
25	1.1	3.2	17	2.1	5.5	1.9	1.2	0.60	0.80	0.19	0.06	0.01
26	1.1	2.3	6.0	2.1	3.7	1.9	1.2	0.62	0.50	0.16	0.25	0.05
27	2.6	2.0	3.2	2.0	2.7	1.9	1.9	0.62	0.46	e0.59	0.17	0.22
28	6.5	1.9	2.5	1.9	2.4	1.9	1.1	0.61	0.45	0.34	0.11	e0.23
29	1.8	1.7	2.1	1.7	---	2.0	0.95	0.64	0.43	0.17	0.10	e0.28
30	1.4	2.1	1.9	1.7	---	1.8	0.93	0.65	0.46	0.20	0.13	0.25
31	1.3	---	2.3	1.6	---	1.9	---	0.63	---	0.18	0.47	---
Total	60.85	256.8	76.18	116.8	101.2	180.5	67.98	25.93	19.30	9.88	3.08	4.83
Mean	1.96	8.56	2.46	3.77	3.61	5.82	2.27	0.84	0.64	0.32	0.10	0.16
Max	14	98	17	21	18	92	17	2.2	1.7	0.64	0.47	0.54
Min	0.81	1.1	0.98	1.6	1.7	1.8	0.93	0.60	0.43	0.16	0.00	0.00
In.	0.91	3.82	1.13	1.74	1.51	2.69	1.01	0.39	0.29	0.15	0.05	0.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.98	2.36	2.40	1.91	2.41	4.04	3.47	2.70	2.57	2.80	1.35	1.95
Max	1.96	8.56	4.28	3.77	3.61	9.34	12.6	11.9	9.88	8.91	2.89	7.00
(WY)	(2007)	(2007)	(2003)	(2007)	(2007)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
Min	0.23	0.77	0.52	1.01	0.97	1.38	0.48	0.19	0.08	0.04	0.07	0.04
(WY)	(2002)	(2002)	(2002)	(2003)	(2002)	(2006)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 2002 - 2007	
Annual total	805.34		923.33			
Annual mean	2.21		2.53		2.41	
Highest annual mean					5.63	2003
Lowest annual mean					0.56	2002
Highest daily mean	98	Nov 22	98	Nov 22	150	Jul 17, 2003
Lowest daily mean	0.15	Aug 29	0.00	Aug 17	0.00	Jul 30, 2002
Annual seven-day minimum	0.19	Jul 27	0.02	Aug 16	0.01	Jul 27, 2002
Maximum peak flow			657	Mar 2	NOT DETERMINED	
Maximum peak stage			5.66	Mar 2	8.13	Jul 17, 2003
Instantaneous low flow			^a 0.00	Aug 16	^a 0.00	Jul 30, 2002
Annual runoff (inches)	11.98		13.74		13.10	
10 percent exceeds	3.2		3.9		3.9	
50 percent exceeds	1.1		1.2		1.0	
90 percent exceeds	0.38		0.11		0.17	

^a See Remarks.

