

Water-Data Report 2008

0214678175 STEELE CREEK AT SECONDARY ROAD 1441 NEAR PINEVILLE, NC

Santee Basin
Lower Catawba Subbasin

LOCATION.--Lat 35°06'18", long 80°57'13" referenced to North American Datum of 1983, Mecklenburg County, NC, Hydrologic Unit 03050103, on right bank, upstream of culvert on Secondary Road 1441 (Carowinds Boulevard), 4.5 miles west of Pineville.

DRAINAGE AREA.--6.73 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 1998 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 561.83 ft above North American Vertical Datum of 1988, from levels. Radio telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. Minimum discharge for period of record also occurred August 21, 2007.

0214678175 STEELE CREEK AT SECONDARY ROAD 1441 NEAR PINEVILLE, NC—Continued

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.15	0.41	0.37	2.7	58	2.0	4.0	2.3	0.68	0.26	0.39	5.6
2	0.33	0.46	0.35	1.5	7.9	1.8	2.5	2.0	0.57	0.27	0.37	1.2
3	0.28	0.47	0.38	1.0	3.7	1.6	6.4	1.9	0.62	0.24	0.32	0.85
4	1.2	0.52	0.38	0.91	2.5	103	9.4	2.4	0.62	0.26	0.31	0.68
5	0.32	0.56	0.40	0.82	2.0	28	18	2.7	0.60	0.26	0.30	0.60
6	0.16	0.60	0.40	0.80	2.0	7.7	8.3	2.4	0.58	4.4	0.32	0.56
7	0.20	0.51	0.52	0.80	2.6	25	4.6	2.2	0.50	0.71	0.32	0.52
8	0.25	0.50	0.41	0.80	1.8	12	3.3	2.2	0.51	40	0.34	0.48
9	0.26	0.52	0.45	0.80	1.6	5.7	2.6	2.5	0.51	11	0.27	0.58
10	0.32	0.51	0.51	4.9	1.5	3.9	2.3	2.3	0.51	3.9	0.48	0.52
11	0.38	0.51	0.42	4.9	2.6	3.1	2.3	5.8	21	1.4	0.46	2.7
12	0.56	0.52	0.32	1.5	2.2	2.8	10	1.7	6.8	0.61	0.36	0.89
13	0.40	0.49	0.36	0.96	11	2.2	3.5	1.2	1.4	0.38	5.8	0.60
14	0.42	0.47	0.48	0.80	6.2	2.1	2.4	1.1	0.92	2.3	0.86	0.40
15	0.36	1.1	12	0.74	2.6	59	2.4	1.1	0.80	0.42	0.40	0.40
16	0.41	0.53	25	0.70	1.9	18	1.9	5.9	0.63	0.24	0.32	16
17	0.41	0.49	1.8	30	1.7	7.2	1.8	1.3	0.58	0.22	33	6.0
18	0.38	0.60	0.98	6.2	5.9	4.8	1.7	1.3	0.60	0.22	1.9	1.2
19	2.1	1.1	0.75	9.3	2.2	21	1.7	1.9	0.53	0.22	0.79	0.66
20	0.26	0.63	0.60	6.0	1.8	14	1.8	6.9	2.8	0.22	0.57	0.52
21	0.18	1.4	6.0	2.2	4.1	6.1	1.7	4.9	0.98	0.21	0.38	0.46
22	0.19	3.6	1.3	3.3	17	4.5	1.7	1.3	0.54	2.1	0.33	0.45
23	0.28	3.4	4.7	3.6	5.1	3.4	1.8	0.89	3.5	0.80	0.36	0.44
24	4.5	1.1	2.0	1.8	3.2	2.8	1.7	0.81	0.57	0.24	0.37	0.47
25	11	1.3	0.86	1.3	2.6	2.4	1.6	0.86	0.30	0.18	13	0.47
26	20	2.6	13	1.1	16	2.3	1.8	0.84	0.19	0.21	317	26
27	3.2	2.1	2.3	1.0	5.1	2.1	7.2	0.79	0.18	0.23	370	19
28	0.86	0.65	12	0.95	2.8	2.1	31	39	0.21	0.21	14	2.4
29	0.56	0.44	12	0.91	2.2	2.1	6.9	4.5	0.22	0.22	4.4	1.2
30	0.45	0.46	36	2.6	---	2.0	2.9	1.5	0.18	0.26	2.9	0.83
31	0.43	---	9.9	1.2	---	3.1	---	1.0	---	0.33	1.7	---
Total	50.80	28.55	146.94	96.09	179.8	357.8	149.2	107.49	48.63	72.52	772.32	92.68
Mean	1.64	0.95	4.74	3.10	6.20	11.5	4.97	3.47	1.62	2.34	24.9	3.09
Max	20	3.6	36	30	58	103	31	39	21	40	370	26
Min	0.15	0.41	0.32	0.70	1.5	1.6	1.6	0.79	0.18	0.18	0.27	0.40
Cfs/m	0.24	0.14	0.70	0.46	0.92	1.71	0.74	0.52	0.24	0.35	3.70	0.46
In.	0.28	0.16	0.81	0.53	0.99	1.98	0.82	0.59	0.27	0.40	4.27	0.51

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	4.64	6.54	7.33	7.00	7.70	13.1	7.97	5.92	5.37	6.05	7.83	5.23
Max	15.4	34.8	20.2	14.2	12.8	34.6	36.5	42.1	16.3	28.6	24.9	15.3
(WY)	(2000)	(2007)	(2006)	(1999)	(2000)	(2003)	(2003)	(2003)	(2003)	(1998)	(2008)	(2006)
Min	0.81	0.95	1.61	1.67	3.15	2.17	2.26	0.93	0.76	1.07	0.28	0.49
(WY)	(2001)	(2008)	(2002)	(2004)	(2006)	(2006)	(2001)	(2000)	(2002)	(2007)	(2001)	(2005)

0214678175 STEELE CREEK AT SECONDARY ROAD 1441 NEAR PINEVILLE, NC—Continued

SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1998 - 2008	
Annual total	1,817.70		2,102.82			
Annual mean	4.98		5.75		6.96	
Highest annual mean					17.6	2003
Lowest annual mean					3.40	2002
Highest daily mean	331	Mar 2	370	Aug 27	519	Mar 20, 2003
Lowest daily mean	0.05	Sep 8	0.15	Oct 1	0.05	Aug 20, 2001
Annual seven-day minimum	0.06	Sep 7	0.22	Jun 26	0.06	Sep 7, 2007
Maximum peak flow			1,120	Aug 27	2,450	Jul 27, 1998
Maximum peak stage			8.57	Aug 27	11.44	Jul 27, 1998
Instantaneous low flow			0.08	Jun 30	^a 0.02	Aug 13, 2007
Annual runoff (cfs)	0.740		0.854		1.03	
Annual runoff (inches)	10.05		11.62		14.06	
10 percent exceeds	8.0		9.9		12	
50 percent exceeds	0.91		1.2		1.4	
90 percent exceeds	0.17		0.31		0.35	

^aSee Remarks.