

0214678175 STEELE CREEK AT SECONDARY ROAD 1441 NEAR PINEVILLE, NC

LOCATION.--Lat 35°06'18", long 80°57'13", Mecklenburg County, Hydrologic Unit 03050103, on right bank on upstream side of culvert on Secondary Road 1441 (Carowinds Blvd.), and 4.5 mi west of Pineville.

DRAINAGE AREA.--6.73 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 562.23 ft above NGVD of 1929, from levels. Radio telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Minimum discharge for period of record also occurred Aug. 17, 19, 20, 22, 23, 27, 28, 30, 2001. Minimum discharge for current water year also occurred Oct. 3.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.51	1.2	1.4	8.4	8.9	22	6.1	3.2	6.8	4.3	1.8	0.71
2	0.44	1.1	1.4	4.9	6.1	27	5.0	5.6	3.9	58	1.5	0.78
3	0.45	1.00	1.6	10	5.0	8.9	4.3	4.2	34	5.8	15	0.57
4	0.43	1.1	3.5	4.8	6.8	6.0	3.9	3.4	17	2.9	4.8	2.7
5	0.47	25	77	4.0	4.4	8.8	9.3	3.0	6.5	2.3	8.3	1.2
6	0.49	31	11	3.9	8.4	162	7.2	175	8.1	2.0	2.3	0.58
7	0.50	3.5	4.9	3.7	28	14	220	21	175	1.8	2.0	0.53
8	0.56	2.1	3.1	3.6	7.6	8.3	34	9.4	94	1.7	1.3	0.99
9	0.95	1.6	2.5	3.5	5.4	6.1	105	5.8	10	1.5	187	0.79
10	0.71	1.8	2.0	3.4	14	5.2	376	4.3	5.9	1.7	42	0.50
11	123	21	22	3.1	6.4	4.6	48	5.7	4.3	10	14	0.46
12	3.0	84	4.8	3.1	4.9	4.4	18	4.1	10	3.5	10	0.44
13	12	10	126	3.1	4.1	4.1	11	3.1	4.5	19	7.5	0.47
14	2.6	4.1	15	3.6	6.5	3.7	8.9	2.7	3.0	4.3	112	0.47
15	31	2.7	6.6	3.1	6.9	8.9	7.7	44	4.0	2.3	17	0.46
16	76	67	4.6	3.7	8.3	94	6.8	13	6.1	1.9	4.7	0.50
17	3.4	27	3.6	5.2	13	12	6.3	4.7	6.0	1.7	4.1	e0.48
18	1.9	6.6	3.2	3.1	18	23	108	4.6	49	1.5	4.8	e0.48
19	1.3	3.8	2.9	3.0	10	14	35	6.4	11	2.7	4.4	e0.46
20	1.2	2.8	21	3.0	7.4	519	13	e3.0	5.8	2.3	2.1	e0.48
21	1.3	2.4	5.3	4.3	6.0	21	9.9	e50	3.7	1.3	1.6	e0.48
22	3.1	2.0	3.7	3.7	78	11	7.4	510	2.7	1.5	1.4	e3.0
23	1.2	1.8	3.1	6.4	15	7.7	5.4	49	2.3	2.3	1.2	13
24	0.99	1.6	177	5.0	6.7	6.0	4.4	63	2.1	1.3	1.1	1.1
25	0.97	1.7	70	4.6	4.8	5.5	8.7	74	1.9	0.99	0.94	0.71
26	1.5	1.9	12	4.9	7.6	4.5	11	26	1.7	0.95	0.86	0.57
27	3.7	1.7	7.7	4.4	43	5.2	5.1	161	1.5	e1.5	0.73	0.53
28	7.9	1.4	6.0	3.6	14	4.0	3.7	11	4.5	e5.0	0.66	1.3
29	7.4	1.3	5.3	7.5	---	3.8	3.3	12	2.2	21	0.78	0.51
30	2.6	1.4	4.4	68	---	38	3.1	7.4	2.1	8.5	0.92	0.45
31	1.5	---	4.2	18	---	9.9	---	15	---	6.9	0.66	---
TOTAL	293.07	315.60	616.8	214.6	355.2	1,072.6	1,095.5	1,304.6	489.6	182.44	457.45	35.70
MEAN	9.45	10.5	19.9	6.92	12.7	34.6	36.5	42.1	16.3	5.89	14.8	1.19
MAX	123	84	177	68	78	519	376	510	175	58	187	13
MIN	0.43	1.0	1.4	3.0	4.1	3.7	3.1	2.7	1.5	0.95	0.66	0.44
CFSM	1.40	1.56	2.96	1.03	1.88	5.14	5.43	6.25	2.42	0.87	2.19	0.18
IN.	1.62	1.74	3.41	1.19	1.96	5.93	6.06	7.21	2.71	1.01	2.53	0.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

MEAN	5.65	3.65	5.97	8.44	7.95	14.8	10.9	8.89	4.76	7.64	4.48	4.12
MAX	15.4	10.5	19.9	14.2	12.8	34.6	36.5	42.1	16.3	28.6	14.8	6.29
(WY)	(2000)	(2003)	(2003)	(1999)	(2000)	(2003)	(2003)	(2003)	(2003)	(1998)	(2003)	(2000)
MIN	0.81	1.24	1.61	2.83	3.28	3.06	2.26	0.93	0.76	1.63	0.28	1.19
(WY)	(2001)	(2002)	(2002)	(2001)	(2002)	(1999)	(2001)	(2000)	(2002)	(1999)	(2001)	(2003)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	2,348.64		6,433.16		7.08	
ANNUAL MEAN	6.43		17.6		17.6 2003	
HIGHEST ANNUAL MEAN					3.40 2002	
LOWEST ANNUAL MEAN					0.05 Aug 20, 2001	
HIGHEST DAILY MEAN	177	Dec 24	519	Mar 20	519	Mar 20, 2003
LOWEST DAILY MEAN	0.16	Aug 9	0.43	Oct 4	0.06	Aug 25, 2001
ANNUAL SEVEN-DAY MINIMUM	0.17	Aug 6	0.47	Sep 11	0.06	Aug 25, 2001
MAXIMUM PEAK FLOW			1,250	Mar 20	2,450	Jul 27, 1998
MAXIMUM PEAK STAGE			8.94	Mar 20	11.44	Jul 27, 1998
INSTANTANEOUS LOW FLOW			0.39*	Oct 2	0.04*	Aug 16, 2001
ANNUAL RUNOFF (CFSM)	0.96		2.62		1.05	
ANNUAL RUNOFF (INCHES)	12.98		35.56		14.30	
10 PERCENT EXCEEDS	14		34		12	
50 PERCENT EXCEEDS	1.5		4.4		1.4	
90 PERCENT EXCEEDS	0.29		0.83		0.38	

e Estimated.
 * See REMARKS.

