

03451690 NEWFOUND CREEK NEAR ALEXANDER, NC

LOCATION.--Lat 35°39'58", long 82°38'04", Buncombe County, Hydrologic Unit 06010105, on left bank 21 ft downstream from bridge on Secondary Road 1641, 0.9 mi above mouth, and 2.6 mi southwest of Alexander.

DRAINAGE AREA.--34.2 mi².

PERIOD OF RECORD.--December 2000 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,910 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Minimum discharge for the current water year also occurred Oct. 7, 9, 15.

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	5.8	6.1	7.7	32	12	27	24	20	19	23	18	15
2	5.5	5.9	7.7	24	12	25	23	23	18	97	22	13
3	5.3	5.9	7.8	24	11	23	22	21	19	31	20	13
4	5.0	6.1	9.6	21	18	21	21	18	19	26	80	24
5	4.9	6.9	47	20	13	20	28	95	18	33	63	17
6	4.7	9.9	27	19	13	111	22	694	17	33	28	14
7	5.9	7.2	18	18	14	47	28	318	41	35	40	13
8	5.1	6.6	15	17	13	36	25	130	26	25	34	13
9	4.7	6.6	13	17	12	30	31	77	20	23	32	12
10	5.0	6.7	13	16	13	26	217	56	18	23	31	12
11	6.9	25	36	15	13	24	160	47	18	20	22	12
12	5.5	26	22	15	12	22	86	39	20	20	18	11
13	5.5	16	41	15	12	21	59	33	18	66	19	11
14	4.9	12	34	14	16	20	46	31	17	33	17	11
15	8.1	11	24	13	28	19	39	30	20	23	18	13
16	39	37	20	14	21	27	34	28	24	20	17	11
17	11	33	17	13	20	21	32	27	21	21	15	11
18	8.5	20	16	e13	18	22	38	27	30	19	15	11
19	7.4	15	15	e13	17	24	30	25	30	22	14	10
20	7.0	13	32	e12	16	134	27	24	20	18	13	10
21	6.9	14	20	e12	16	68	29	25	17	16	18	9.9
22	6.7	12	18	13	296	46	26	57	16	17	15	43
23	6.2	11	16	12	101	37	24	33	16	17	14	35
24	6.0	10	127	e12	47	31	23	27	15	17	13	15
25	6.1	9.5	61	e12	35	28	23	26	15	15	12	14
26	6.4	9.2	37	e12	32	26	23	25	14	14	12	13
27	6.2	9.2	30	e12	34	24	21	23	15	14	12	17
28	6.4	8.6	25	12	30	23	20	21	15	13	12	15
29	6.9	8.4	23	13	---	22	19	22	14	15	13	13
30	8.0	8.4	20	13	---	31	20	21	14	15	36	12
31	6.5	---	19	13	---	26	---	21	---	14	21	---
TOTAL	228.0	376.2	818.8	481	895	1,062	1,220	2,064	584	778	714	443.9
MEAN	7.35	12.5	26.4	15.5	32.0	34.3	40.7	66.6	19.5	25.1	23.0	14.8
MAX	39	37	127	32	296	134	217	694	41	97	80	43
MIN	4.7	5.9	7.7	12	11	19	19	18	14	13	12	9.9
CFSM	0.22	0.37	0.77	0.45	0.93	1.00	1.19	1.95	0.57	0.73	0.67	0.43
IN.	0.25	0.41	0.89	0.52	0.97	1.16	1.33	2.25	0.64	0.85	0.78	0.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	6.92	9.46	15.2	15.7	18.3	23.1	23.3	28.8	12.5	13.1	11.7	10.1
MAX	7.35	12.5	26.4	16.6	32.0	34.3	40.7	66.6	19.5	25.1	23.0	14.8
(WY)	(2003)	(2003)	(2003)	(2002)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)
MIN	6.49	6.39	8.60	14.8	9.30	15.7	12.0	8.46	7.87	6.89	3.38	6.44
(WY)	(2002)	(2002)	(2002)	(2001)	(2002)	(2002)	(2002)	(2001)	(2001)	(2001)	(2002)	(2002)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL TOTAL	4,230.1		9,664.9		18.0	
ANNUAL MEAN	11.6		26.5		26.5	
HIGHEST ANNUAL MEAN					9.50	2003
LOWEST ANNUAL MEAN					2.1	2002
HIGHEST DAILY MEAN	127	Dec 24	694	May 6	694	May 6, 2003
LOWEST DAILY MEAN	1.8	Aug 14	4.7	Oct 6	1.8	Aug 14, 2002
ANNUAL SEVEN-DAY MINIMUM	2.1	Aug 8	5.0	Oct 4	2.1	Aug 8, 2002
MAXIMUM PEAK FLOW			1,380	May 6	1,380	May 6, 2003
MAXIMUM PEAK STAGE			8.13	May 6	8.13	May 6, 2003
INSTANTANEOUS LOW FLOW			4.3*	Oct 6	1.2	Aug 23, 2002
ANNUAL RUNOFF (CFSM)	0.34		0.77		0.53	
ANNUAL RUNOFF (INCHES)	4.60		10.51		7.15	
10 PERCENT EXCEEDS	25		37		31	
50 PERCENT EXCEEDS	8.5		18		12	
90 PERCENT EXCEEDS	3.2		7.7		5.3	

e Estimated.
 * See REMARKS.

