

## 0208925200 BEAR CREEK AT MAYS STORE, NC

LOCATION.--Lat 35°16'29", long 77°47'40", Lenoir County, Hydrologic Unit 03020202, at downstream side of bridge on Secondary Road 1326, 0.7 mi west of Mays Store, and 1.0 mi downstream of Secondary Road 1002.

DRAINAGE AREA.--57.7 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1987 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 50 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Maximum discharge for period of record from rating extension above 3,000 ft<sup>3</sup>/s on basis of slope conveyance of peak flow. Maximum gage height for period of record from floodmark.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	179	47	64	53	121	35	68	25	243	22	87
2	39	141	51	61	50	104	34	168	22	142	27	246
3	e37	112	46	59	58	89	32	547	20	106	45	164
4	36	90	46	58	68	79	31	576	23	84	32	118
5	35	82	72	57	61	70	29	379	62	67	25	90
6	34	84	75	68	58	65	28	290	40	53	27	71
7	33	96	64	63	60	61	28	227	37	45	26	58
8	36	86	58	57	54	55	27	186	37	47	23	74
9	73	76	54	57	49	50	27	149	38	97	20	168
10	82	68	61	60	47	47	27	118	49	81	19	135
11	74	63	299	55	45	45	46	92	76	62	17	99
12	64	61	215	54	62	43	67	79	61	62	19	77
13	55	64	172	56	98	42	174	69	47	49	37	61
14	52	62	341	54	88	40	259	54	37	40	143	53
15	63	60	449	53	111	41	154	46	32	33	499	52
16	57	56	320	50	134	44	114	40	29	28	398	48
17	52	54	298	47	e124	45	85	37	45	25	242	47
18	47	52	299	52	e135	43	66	33	39	24	167	98
19	44	62	241	54	e115	42	55	31	40	24	125	91
20	41	146	202	50	100	39	47	41	32	22	94	76
21	40	128	166	47	88	38	41	32	27	21	68	61
22	39	120	145	46	76	36	36	30	25	19	71	49
23	37	92	131	45	68	35	33	34	38	25	62	43
24	37	82	129	44	65	34	30	48	379	27	52	39
25	37	71	120	45	63	33	28	34	158	24	44	36
26	36	63	102	47	62	32	29	29	109	22	39	34
27	36	55	91	49	130	32	73	26	96	21	43	33
28	40	53	82	57	183	33	61	24	84	19	38	34
29	356	52	77	60	145	32	47	22	102	20	39	33
30	389	49	73	61	---	31	39	24	73	19	67	31
31	245	---	68	58	---	33	---	29	---	18	72	---
TOTAL	2,288	2,459	4,594	1,688	2,450	1,534	1,782	3,562	1,882	1,569	2,602	2,306
MEAN	73.8	82.0	148	54.5	84.5	49.5	59.4	115	62.7	50.6	83.9	76.9
MAX	389	179	449	68	183	121	259	576	379	243	499	246
MIN	33	49	46	44	45	31	27	22	20	18	17	31
CFSM	1.28	1.42	2.57	0.94	1.46	0.86	1.03	1.99	1.09	0.88	1.45	1.33
IN.	1.48	1.59	2.96	1.09	1.58	0.99	1.15	2.30	1.21	1.01	1.68	1.49

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

MEAN	62.6	49.3	59.0	94.2	87.3	99.7	76.7	63.5	58.0	48.8	63.9	135
MAX	316	119	148	266	306	230	204	216	201	156	231	1,401
(WY)	(2000)	(1993)	(2004)	(1993)	(1998)	(1998)	(1998)	(1989)	(1995)	(2003)	(1992)	(1999)
MIN	17.2	15.8	21.5	29.0	40.1	35.3	26.5	19.8	13.2	12.5	12.8	17.6
(WY)	(1995)	(1995)	(1995)	(1995)	(2001)	(1988)	(1995)	(1994)	(1994)	(1993)	(1993)	(1994)

0208925200 BEAR CREEK AT MAYS STORE, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004	
ANNUAL TOTAL	39,213		28,712		74.7	
ANNUAL MEAN	107		78.4		169	
HIGHEST ANNUAL MEAN					31.7	
LOWEST ANNUAL MEAN					1988	
HIGHEST DAILY MEAN	592	May 27	576	May 4	8,000	Sep 16, 1999
LOWEST DAILY MEAN	26	Jan 28	17	Aug 11	8.4	Aug 18, 1997
ANNUAL SEVEN-DAY MINIMUM	27	Jan 24	20	Jul 26	9.2	Aug 12, 1997
MAXIMUM PEAK FLOW			699	May 4	11000*	Sep 16, 1999
MAXIMUM PEAK STAGE			8.46	May 4	16.04*	Sep 16, 1999
INSTANTANEOUS LOW FLOW			16	Aug 12	7.7	Aug 18, 1997
ANNUAL RUNOFF (CFSM)	1.86		1.36		1.29	
ANNUAL RUNOFF (INCHES)	25.28		18.51		17.59	
10 PERCENT EXCEEDS	236		150		145	
50 PERCENT EXCEEDS	72		54		41	
90 PERCENT EXCEEDS	32		27		18	

\* See REMARKS.

e Estimated.

