

02125000 BIG BEAR CREEK NEAR RICHFIELD, NC

LOCATION.--Lat 35°20'05", long 80°20'08", Stanly County, Hydrologic Unit 03040105, on left bank 300 ft downstream of Little Creek, 400 ft upstream from bridge on Secondary Road 1134, and 10 mi southwest of Richfield.

DRAINAGE AREA.--55.6 mi².

PERIOD OF RECORD.--May 1954 to current year.

REVISED RECORDS.--WSP 1503: 1955, 1956(M). WDR NC-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 426.62 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. No flow occurs several days in most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of August 1921 reached a stage of about 19 ft, information from State Highway Commission.

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	4.7	44	23	132	99	216	104	36	311	215	62	11
2	3.9	35	21	114	78	419	69	31	102	1,630	29	9.3
3	3.4	30	21	95	73	200	53	30	108	226	20	6.7
4	2.9	28	21	76	68	131	45	87	168	78	57	5.7
5	2.5	30	541	61	72	119	41	48	87	44	84	11
6	2.1	356	255	53	52	1,700	39	405	53	31	144	8.8
7	1.7	123	178	46	279	316	536	246	2,610	24	40	6.3
8	1.5	69	109	43	144	168	277	116	752	20	104	5.6
9	1.5	51	78	41	90	122	1,800	67	287	17	56	5.2
10	1.6	43	61	37	102	89	4,040	46	111	14	26	5.5
11	1,290	59	195	33	86	71	768	36	66	13	21	4.5
12	141	540	136	30	65	61	240	31	49	13	17	3.8
13	904	274	877	29	52	61	139	25	43	20	20	3.5
14	218	119	325	28	47	131	95	22	33	159	43	3.1
15	162	79	146	27	56	84	74	21	31	32	81	2.9
16	758	627	100	25	55	953	60	23	907	20	242	2.6
17	182	961	73	28	62	266	49	21	403	15	87	2.1
18	92	245	58	26	148	184	160	23	1,410	280	46	2.0
19	61	133	52	24	192	135	520	43	715	1,100	25	2.3
20	47	93	140	24	142	3,740	181	30	244	84	18	1.9
21	49	74	101	25	106	388	113	41	79	43	15	1.7
22	168	60	70	24	817	188	89	2,240	44	44	13	1.8
23	98	48	56	23	347	120	62	580	30	33	12	7.4
24	62	41	684	e23	153	90	49	207	21	28	18	8.6
25	48	37	737	e22	104	71	50	1,650	17	19	15	5.1
26	42	33	204	22	86	58	133	342	14	15	11	3.8
27	36	31	123	22	621	48	110	213	12	14	8.6	3.2
28	64	28	91	20	398	43	59	109	11	12	7.3	7.4
29	119	26	74	20	---	40	42	100	11	51	6.4	6.2
30	92	26	61	101	---	262	42	169	166	65	5.8	4.0
31	62	---	53	193	---	191	---	388	---	20	7.3	---
TOTAL	4,720.8	4,343	5,664	1,467	4,594	10,665	10,039	7,426	8,895	4,379	1,341.4	153.0
MEAN	152	145	183	47.3	164	344	335	240	296	141	43.3	5.10
MAX	1,290	961	877	193	817	3,740	4,040	2,240	2,610	1,630	242	11
MIN	1.5	26	21	20	47	40	39	21	11	12	5.8	1.7
CFSM	2.74	2.60	3.29	0.85	2.95	6.19	6.02	4.31	5.33	2.54	0.78	0.09
IN.	3.16	2.91	3.79	0.98	3.07	7.14	6.72	4.97	5.95	2.93	0.90	0.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2003, BY WATER YEAR (WY)

	MEAN	MAX	MIN	CFSM	IN.
(WY)	42.4	355	0.006	2.74	3.16
(WY)	33.0	212	0.34	2.60	2.91
(WY)	56.4	186	2.12	3.29	3.79
(WY)	108	357	4.38	0.85	0.98
(WY)	131	284	16.2	2.95	3.07
(WY)	125	345	13.2	6.19	7.14
(WY)	76.3	335	6.87	6.02	6.72
(WY)	39.9	240	1.32	4.31	4.97
(WY)	32.8	296	0.24	5.33	5.95
(WY)	32.8	220	0.006	2.54	2.93
(WY)	23.9	223	0.002	0.78	0.90
(WY)	19.6	125	0.000	0.09	0.10

02125000 BIG BEAR CREEK NEAR RICHFIELD, NC—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1954 - 2003	
ANNUAL TOTAL	21,722.94		63,687.2		59.9	
ANNUAL MEAN	59.5		174		174	
HIGHEST ANNUAL MEAN					18.2	2003
LOWEST ANNUAL MEAN					18.2	2001
HIGHEST DAILY MEAN	1,290	Oct 11	4,040	Apr 10	5,240	Oct 11, 1990
LOWEST DAILY MEAN	0.00	Jun 21	1.5	Oct 8	0.00	Sep 12, 1954
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 5	2.0	Oct 4	0.00	Sep 12, 1954
MAXIMUM PEAK FLOW			7,670	Mar 20	11,400	Jul 23, 1997
MAXIMUM PEAK STAGE			13.42	Mar 20	16.54	Jul 23, 1997
INSTANTANEOUS LOW FLOW			1.2	Oct 8	0.00*	Sep 12, 1954
ANNUAL RUNOFF (CFSM)	1.07		3.14		1.08	
ANNUAL RUNOFF (INCHES)	14.53		42.61		14.64	
10 PERCENT EXCEEDS	134		369		121	
50 PERCENT EXCEEDS	11		57		12	
90 PERCENT EXCEEDS	0.00		7.3		0.40	

e Estimated.
 * See REMARKS.

