

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 and crest-stage gage. 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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	4.5	3.2	6.4	11	206	25	4.9	0.23	2.1	3.1	2.4
2	2.8	3.6	3.0	6.1	9.4	128	22	29	0.16	1.7	4.9	1.4
3	2.3	3.1	2.8	6.1	84	68	16	17	0.10	1.3	5.6	0.93
4	2.2	2.9	2.9	6.3	50	47	13	11	0.21	1.2	2.8	0.64
5	1.9	3.0	3.6	6.7	28	37	11	8.1	0.33	0.96	1.6	0.47
6	1.8	2.9	3.6	27	119	31	10	6.2	0.28	0.93	0.84	0.32
7	1.9	4.9	3.6	14	249	27	9.6	5.0	0.16	0.63	0.58	7.3
8	2.2	4.0	3.4	11	66	22	9.2	4.1	1.2	0.37	0.46	2,170
9	3.2	3.5	3.2	10	39	20	8.8	3.7	4.2	0.21	0.36	146
10	2.8	3.4	7.6	10	31	18	8.2	3.1	2.3	0.07	0.25	40
11	5.3	3.4	30	9.2	26	16	7.8	2.6	1.2	0.00	0.18	22
12	4.6	3.2	12	8.5	120	15	9.3	2.3	0.57	0.00	0.30	15
13	4.2	3.1	8.5	8.5	106	14	43	2.0	0.34	0.00	0.57	12
14	3.6	2.8	64	8.3	56	13	67	1.9	0.54	0.00	41	9.6
15	3.0	2.8	43	8.1	90	14	27	1.9	8.0	0.00	20	8.3
16	2.7	2.8	22	7.6	164	16	17	1.7	13	0.00	9.3	7.8
17	2.6	2.8	21	7.1	73	17	14	1.5	8.0	0.00	5.4	e90
18	2.6	2.8	24	8.3	50	15	11	1.3	4.1	1.2	22	e150
19	2.4	4.3	17	9.7	38	15	9.8	1.1	2.4	5.6	47	e30
20	2.3	7.7	13	8.4	31	14	9.0	0.99	1.3	2.4	10	e18
21	2.2	6.5	11	7.5	27	17	8.0	0.86	1.4	0.93	5.2	e13
22	2.1	5.4	9.5	7.3	22	30	7.0	0.75	2.0	0.41	3.0	e10
23	1.8	4.6	9.0	7.2	19	12	6.4	0.69	1.7	0.15	1.9	e8.0
24	1.8	4.1	9.6	6.9	19	10	5.9	0.60	1.3	0.03	1.4	e7.0
25	1.7	3.8	10	7.2	18	9.8	5.5	0.49	1.3	0.00	1.1	e6.0
26	1.9	3.5	8.7	6.8	17	9.6	5.1	0.41	9.3	0.00	0.80	e6.0
27	2.1	3.6	7.9	6.3	23	9.5	5.5	0.50	15	98	0.57	e50
28	2.6	3.6	7.5	6.6	34	9.4	5.4	0.39	6.5	20	0.42	4,260
29	7.9	3.5	7.1	8.0	147	8.9	4.8	0.27	4.0	9.7	0.56	259
30	8.4	3.3	7.1	13	---	9.1	4.3	0.23	2.8	10	1.5	103
31	5.8	---	6.8	14	---	13	---	0.26	---	5.5	1.8	---
TOTAL	96.0	113.4	385.6	278.1	1,766.4	891.3	405.6	114.84	93.92	163.39	194.49	7,454.16
MEAN	3.10	3.78	12.4	8.97	60.9	28.8	13.5	3.70	3.13	5.27	6.27	248
MAX	8.4	7.7	64	27	249	206	67	29	15	98	47	4,260
MIN	1.7	2.8	2.8	6.1	9.4	8.9	4.3	0.23	0.10	0.00	0.18	0.32
CFSM	0.06	0.07	0.22	0.16	1.10	0.52	0.24	0.07	0.06	0.09	0.11	4.47
IN.	0.06	0.08	0.26	0.19	1.18	0.60	0.27	0.08	0.06	0.11	0.13	4.99

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2004, BY WATER YEAR (WY)

MEAN	41.6	32.4	55.5	106	130	123	75.1	39.2	32.2	32.3	23.5	24.0
MAX	355	212	186	357	284	345	335	240	296	220	223	248
(WY)	(1991)	(1986)	(1977)	(1998)	(1984)	(1993)	(2003)	(2003)	(2003)	(1984)	(1967)	(2004)
MIN	0.01	0.34	2.12	4.38	16.2	13.2	6.87	1.32	0.24	0.01	0.00	0.00
(WY)	(1962)	(1962)	(1966)	(1981)	(1986)	(1981)	(1967)	(1986)	(1986)	(2002)	(1980)	(1993)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1954 - 2004	
ANNUAL TOTAL	49,554.4		11,957.20		59.4	
ANNUAL MEAN	136		32.7		174	
HIGHEST ANNUAL MEAN					18.2	2003
LOWEST ANNUAL MEAN					0.00	2001
HIGHEST DAILY MEAN	4,040	Apr 10	4,260	Sep 28	5,240	Oct 11, 1990
LOWEST DAILY MEAN	1.7	Sep 21	0.00	Jul 11	0.00	Sep 12, 1954
ANNUAL SEVEN-DAY MINIMUM	1.9	Oct 21	0.00	Jul 11	0.00	Sep 12, 1954
MAXIMUM PEAK FLOW			9,640	Sep 28	11,400	Jul 23, 1997
MAXIMUM PEAK STAGE			15.14	Sep 28	16.54	Jul 23, 1997
INSTANTANEOUS LOW FLOW			0.00*	Jul 10	0.00*	Sep 12, 1954
ANNUAL RUNOFF (CFSM)	2.44		0.588		1.07	
ANNUAL RUNOFF (INCHES)	33.16		8.00		14.51	
10 PERCENT EXCEEDS	252		35		120	
50 PERCENT EXCEEDS	30		6.1		11	
90 PERCENT EXCEEDS	2.9		0.48		0.40	

* See REMARKS.

e Estimated.

