

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.--No estimated daily discharges. Records fair. Minimum discharge for current water year also occurred Sept. 20-22, 29-30. 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	14	37	17	32	231	109	16	2.7	67	70	1.5
2	52	13	31	16	26	109	87	13	46	36	24	1.3
3	43	13	27	16	100	74	62	10	36	8.4	14	1.1
4	36	87	23	15	127	55	47	9.1	16	7.0	10	0.89
5	29	98	21	15	67	46	39	8.3	11	74	8.1	0.77
6	25	45	20	15	45	38	33	9.2	7.5	12	6.7	0.66
7	22	31	40	15	37	34	31	8.9	8.3	262	5.8	0.62
8	20	24	33	14	33	188	33	8.1	82	172	6.7	0.60
9	19	19	31	14	31	120	38	6.9	16	31	27	0.53
10	17	16	433	13	29	70	29	6.3	9.5	16	26	0.46
11	16	15	171	13	25	55	24	7.6	7.1	11	11	0.40
12	15	29	85	13	22	46	23	6.9	5.8	8.8	8.2	0.31
13	490	57	57	13	21	39	146	6.2	5.5	7.1	6.6	0.33
14	93	32	41	761	24	41	495	5.7	5.0	6.2	5.6	0.34
15	49	24	32	172	38	36	122	5.1	4.1	5.4	5.0	0.28
16	33	22	29	82	33	168	62	4.7	3.2	4.9	4.4	0.21
17	25	20	27	54	38	515	45	4.2	2.6	3.8	7.0	0.34
18	21	17	25	40	28	192	36	4.0	2.2	3.3	6.4	0.28
19	19	16	24	34	24	112	30	3.6	3.5	3.0	6.0	0.13
20	18	15	21	32	22	77	25	4.7	4.5	2.8	4.7	0.11
21	17	15	19	31	33	58	21	4.7	2.9	2.3	4.0	0.09
22	15	14	19	28	45	54	19	4.2	2.2	2.3	3.4	0.07
23	15	22	36	25	34	157	18	3.9	1.9	2.3	3.2	0.10
24	14	35	43	21	146	119	16	3.4	1.6	1.7	5.3	0.10
25	14	56	30	21	116	71	14	3.0	1.4	1.4	13	0.08
26	13	34	25	21	66	52	13	2.7	1.4	1.1	5.6	0.08
27	13	27	22	20	49	44	13	2.4	1.3	0.96	3.8	0.11
28	18	159	19	17	642	849	12	2.1	2.9	0.82	2.7	0.10
29	21	68	19	16	---	242	11	2.1	3.3	5.4	2.4	0.08
30	18	43	19	33	---	107	11	2.2	2.4	9.8	2.1	0.06
31	15	---	18	46	---	102	---	2.4	---	487	1.9	---
TOTAL	1,280	1,080	1,477	1,643	1,933	4,101	1,664	181.6	299.8	1,256.78	310.6	12.03
MEAN	41.3	36.0	47.6	53.0	69.0	132	55.5	5.86	9.99	40.5	10.0	0.40
MAX	490	159	433	761	642	849	495	16	82	487	70	1.5
MIN	13	13	18	13	21	34	11	2.1	1.3	0.82	1.9	0.06
CFSM	0.74	0.65	0.86	0.95	1.24	2.38	1.00	0.11	0.18	0.73	0.18	0.01
IN.	0.86	0.72	0.99	1.10	1.29	2.74	1.11	0.12	0.20	0.84	0.21	0.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2005, BY WATER YEAR (WY)

MEAN	41.6	32.5	55.4	105	128	123	74.7	38.6	31.8	32.5	23.3	23.6
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1954 - 2005	
ANNUAL TOTAL	15,199.20		15,238.81		59.0	
ANNUAL MEAN	41.5		41.8		174	
HIGHEST ANNUAL MEAN					18.2	
LOWEST ANNUAL MEAN					0.00	
HIGHEST DAILY MEAN	4,260	Sep 28	849	Mar 28	5,240	Oct 11, 1990
LOWEST DAILY MEAN	0.00	Jul 11	0.06	Sep 30	0.00	Sep 12, 1954
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 11	0.09	Sep 24	0.00	Sep 12, 1954
MAXIMUM PEAK FLOW			2,810	Mar 28	11,400	Jul 23, 1997
MAXIMUM PEAK STAGE			8.18	Mar 28	16.54	Jul 23, 1997
INSTANTANEOUS LOW FLOW			0.06*	Sep 19	0.00*	Sep 12, 1954
ANNUAL RUNOFF (CFSM)	0.747		0.751		1.06	
ANNUAL RUNOFF (INCHES)	10.17		10.20		14.42	
10 PERCENT EXCEEDS	53		86		118	
50 PERCENT EXCEEDS	11		18		12	
90 PERCENT EXCEEDS	0.48		1.5		0.41	

* See REMARKS.

