

PEE DEE RIVER BASIN

02125000 BIG BEAR CREEK NEAR RICHFIELD, NC

LOCATION.--Lat 35°20'05", long 80°20'08", North American Datum of 1983, 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.--No estimated daily discharges. Records fair. 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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	1.4	1.3	2.6	28	8.2	151	3.8	1.1	0.03	0.00	377
2	1.00	1.4	1.2	2.6	22	54	66	3.8	0.95	0.03	0.01	34
3	0.78	1.4	1.1	3.0	18	260	43	3.6	1.3	0.02	0.00	15
4	0.63	1.3	1.0	3.1	16	113	34	4.6	1.1	0.01	0.00	9.6
5	0.51	1.2	1.0	2.9	14	55	27	5.3	0.69	0.00	0.00	6.5
6	0.71	1.6	1.1	21	13	39	22	4.3	1.2	0.00	0.00	4.6
7	0.91	1.5	1.1	44	98	31	20	3.9	0.82	0.00	0.00	3.5
8	0.88	1.5	1.1	27	266	26	18	3.7	0.83	0.00	0.00	2.7
9	0.72	1.3	1.1	18	86	23	16	3.3	0.47	0.00	0.00	2.2
10	0.58	1.1	1.9	14	67	21	19	2.8	0.26	0.00	0.00	1.9
11	0.52	1.1	28	12	72	18	18	2.6	0.11	0.00	0.00	1.5
12	0.43	1.1	12	9.9	45	18	15	2.4	0.04	0.00	0.00	1.2
13	0.37	1.1	8.7	11	34	32	16	2.4	0.03	0.00	0.00	0.97
14	31	1.1	7.2	9.5	27	36	14	3.6	0.03	0.00	0.01	1.0
15	26	1.1	6.0	8.6	22	28	14	2.7	0.03	0.00	0.19	37
16	9.3	1.1	4.8	7.7	21	23	12	2.5	0.02	0.00	0.45	118
17	5.5	1.0	3.9	7.2	19	32	11	2.1	0.02	0.00	45	33
18	4.3	1.0	6.3	6.6	16	54	9.9	2.2	0.01	0.00	11	16
19	3.6	1.1	6.3	137	14	41	9.3	2.1	0.02	0.00	2.6	12
20	3.2	1.1	5.5	266	14	34	8.6	1.9	0.01	0.00	2.0	8.8
21	2.9	1.2	4.7	95	14	90	8.0	1.7	0.00	0.00	1.0	6.8
22	2.2	1.2	4.3	73	12	82	7.3	1.6	0.00	0.00	0.49	5.5
23	2.0	1.1	4.0	1280	12	48	6.5	1.5	0.00	0.01	0.18	4.4
24	1.7	1.5	3.9	221	11	37	6.0	1.5	0.00	0.01	0.08	3.8
25	1.6	1.5	3.7	230	12	30	5.9	1.3	0.00	0.02	0.06	3.3
26	1.4	1.5	3.4	99	11	26	5.5	1.1	0.31	0.03	0.06	4.9
27	1.6	1.5	3.2	57	9.6	28	5.1	0.93	0.71	0.02	0.07	9.1
28	1.7	1.4	3.1	42	8.9	25	5.0	0.75	0.08	0.01	0.09	9.9
29	1.8	1.3	2.9	33	---	21	4.5	0.69	0.04	0.00	0.09	7.8
30	1.4	1.2	2.8	27	---	20	4.0	0.84	0.03	0.00	0.08	5.7
31	1.4	---	2.8	23	---	23	---	1.1	---	0.00	323	---
TOTAL	111.84	37.9	139.4	2793.7	1002.5	1376.2	601.6	76.61	10.21	0.19	386.46	747.67
MEAN	3.608	1.263	4.497	90.12	35.80	44.39	20.05	2.471	0.340	0.006	12.47	24.92
MAX	31	1.6	28	1280	266	260	151	5.3	1.3	0.03	323	377
MIN	0.37	1.0	1.0	2.6	8.9	8.2	4.0	0.69	0.00	0.00	0.00	0.97
CFSM	0.06	0.02	0.08	1.62	0.64	0.80	0.36	0.04	0.01	0.00	0.22	0.45
IN.	0.07	0.03	0.09	1.87	0.67	0.92	0.40	0.05	0.01	0.00	0.26	0.50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2002, BY WATER YEAR (WY)

	MEAN	40.07	30.64	53.75	109.5	130.4	120.0	71.03	35.85	27.41	30.63	23.46	19.85
MAX	355	212	186	357	284	345	247	234	140	220	223	125	
(WY)	1991	1986	1977	1998	1984	1993	1958	1975	1957	1984	1967	1995	
MIN	0.006	0.34	2.12	4.38	16.2	13.2	6.87	1.32	0.12	0.00	0.002	0.000	
(WY)	1962	1962	1966	1981	1986	1981	1967	1986	2002	2002	1980	1993	

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1954 - 2002

ANNUAL TOTAL	6666.25	7284.28	
ANNUAL MEAN	18.26	19.96	57.52
HIGHEST ANNUAL MEAN			112
LOWEST ANNUAL MEAN			18.2
HIGHEST DAILY MEAN	622	Mar 21	1280
LOWEST DAILY MEAN	0.00	Aug 6	0.00
ANNUAL SEVEN-DAY MINIMUM	0.02	Sep 14	0.00
MAXIMUM PEAK FLOW			3840
MAXIMUM PEAK STAGE			9.50
INSTANTANEOUS LOW FLOW			0.00*
ANNUAL RUNOFF (CFSM)	0.33		0.36
ANNUAL RUNOFF (INCHES)	4.46		4.87
10 PERCENT EXCEEDS	31		36
50 PERCENT EXCEEDS	3.7		2.8
90 PERCENT EXCEEDS	0.77		0.00

* See REMARKS.

02125000 BIG BEAR CREEK NEAR RICHFIELD, NC--Continued

