

SANTEE RIVER BASIN

02143000 HENRY FORK NEAR HENRY RIVER, NC

LOCATION.--Lat 35°41'03", long 81°24'10", Catawba County, Hydrologic Unit 03050102, on left bank 325 ft downstream of bridge on Secondary Road 1124, at site of Old Link Ford, 1.2 mi downstream of Burke-Catawba County line, and 2 mi southeast of Henry River.

DRAINAGE AREA.--83.2 mi².

PERIOD OF RECORD.--July 1925 to November 1931, December 1941 to current year.

REVISED RECORDS.--WSP 952: 1928, 1930. WDR NC-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 891.0 ft above NGVD of 1929. July 1925 to November 1931, at site 450 ft upstream at same datum. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Maximum discharge for period of record, from rating curve extended above 2,300 ft³/s on basis of computation of peak flow over dam at Henry River; gage height: 29.2 ft. Minimum discharge for current water year also occurred Aug. 13.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known: 29.2 ft, Aug. 13, 1940, at former site, from floodmarks; discharge: 31,300 ft³/s. The flood of July 16, 1916, reached a stage of about 23 ft at former site; discharge: 20,700 ft³/s.

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	22	39	40	24	60	42	77	42	28	16	9.1	16
2	22	38	33	24	55	60	71	44	27	16	8.5	17
3	21	38	29	e23	51	171	68	42	24	15	8.1	15
4	20	38	27	e22	49	110	65	49	24	14	7.5	13
5	20	36	27	24	46	83	61	54	25	13	7.2	12
6	21	36	25	38	48	71	59	45	25	12	6.8	11
7	22	35	25	59	109	65	57	41	33	11	6.4	9.8
8	21	35	25	e39	195	62	56	39	31	11	5.9	9.8
9	20	35	24	35	132	59	59	38	24	10	5.9	9.3
10	21	34	36	32	106	57	67	36	22	10	5.8	8.6
11	22	34	158	32	94	52	58	35	21	9.9	5.5	8.2
12	24	33	71	31	81	60	56	37	20	10	5.6	7.7
13	24	33	47	29	74	238	71	36	19	11	5.5	7.5
14	131	32	42	27	67	261	69	38	18	20	6.1	8.5
15	103	32	37	27	63	146	63	35	18	33	7.3	28
16	45	32	32	26	60	109	60	33	18	22	14	63
17	37	32	39	26	58	145	58	32	17	16	66	27
18	34	32	133	26	55	223	58	33	16	13	29	19
19	33	31	78	41	52	162	55	34	16	12	14	17
20	33	32	51	140	52	131	53	32	15	11	14	16
21	32	30	39	96	55	124	51	31	14	10	15	15
22	32	30	33	76	52	111	50	31	14	9.8	11	19
23	32	30	32	437	50	100	46	30	13	9.8	10	32
24	32	78	36	327	47	93	46	30	15	14	9.6	23
25	33	64	32	150	45	86	48	28	15	19	9.3	19
26	43	43	29	103	45	83	46	27	17	27	20	118
27	47	34	27	66	44	90	45	27	36	22	17	515
28	51	31	27	50	43	77	45	41	22	16	16	186
29	44	29	27	77	---	72	44	34	20	13	14	79
30	41	33	25	68	---	75	41	29	17	12	14	54
31	40	---	24	63	---	78	---	28	---	10	14	---
TOTAL	1123	1089	1310	2238	1888	3296	1703	1111	624	448.5	388.1	1383.4
MEAN	36.23	36.30	42.26	72.19	67.43	106.3	56.77	35.84	20.80	14.47	12.52	46.11
MAX	131	78	158	437	195	261	77	54	36	33	66	515
MIN	20	29	24	22	43	42	41	27	13	9.8	5.5	7.5
CFSM	0.44	0.44	0.51	0.87	0.81	1.28	0.68	0.43	0.25	0.17	0.15	0.55
IN.	0.50	0.49	0.59	1.00	0.84	1.47	0.76	0.50	0.28	0.20	0.17	0.62

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2002, BY WATER YEAR (WY)

MEAN	105.8	102.0	123.9	152.1	184.6	203.1	181.9	135.7	114.5	87.46	95.93	90.91
MAX	562	392	276	380	473	583	470	322	392	203	554	594
(WY)	1930	1978	1984	1996	1960	1975	1983	1984	1947	1949	1928	1945
MIN	24.5	34.8	31.1	32.3	49.0	69.7	56.8	35.8	20.8	14.5	12.5	25.4
(WY)	2001	1932	1956	1956	2001	1985	2002	2002	2002	2002	2002	1954

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1926 - 2002 [®]
ANNUAL TOTAL	18887	16602.0	
ANNUAL MEAN	51.75	45.48	131.7
HIGHEST ANNUAL MEAN			221
LOWEST ANNUAL MEAN			45.5
HIGHEST DAILY MEAN	846	Mar 30	10100
LOWEST DAILY MEAN	20	Oct 4	4.0
ANNUAL SEVEN-DAY MINIMUM	21	Oct 3	5.8
MAXIMUM PEAK FLOW			1020
MAXIMUM PEAK STAGE			4.05
INSTANTANEOUS LOW FLOW			5.3*
ANNUAL RUNOFF (CFSM)	0.62		0.55
ANNUAL RUNOFF (INCHES)	8.44		7.42
10 PERCENT EXCEEDS	85		82
50 PERCENT EXCEEDS	36		33
90 PERCENT EXCEEDS	25		11

e Estimated.
[®] See PERIOD OF RECORD.
* See REMARKS.

02143000 HENRY FORK NEAR HENRY RIVER, NC--Continued

