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 mi^2.

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 sea level. 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 ft^3/s on basis of computation of peak flow over dam at Henry River; gage height: 29.2 ft. Minimum discharge affected by regulation of unknown origin.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known: 29.2 ft, Aug. 13, 1940, at former site, from floodmarks; discharge: 31,300 ft^3/s. The flood of July 16, 1916, reached a stage of about 23 ft at former site; discharge: 20,700 ft^3/s.

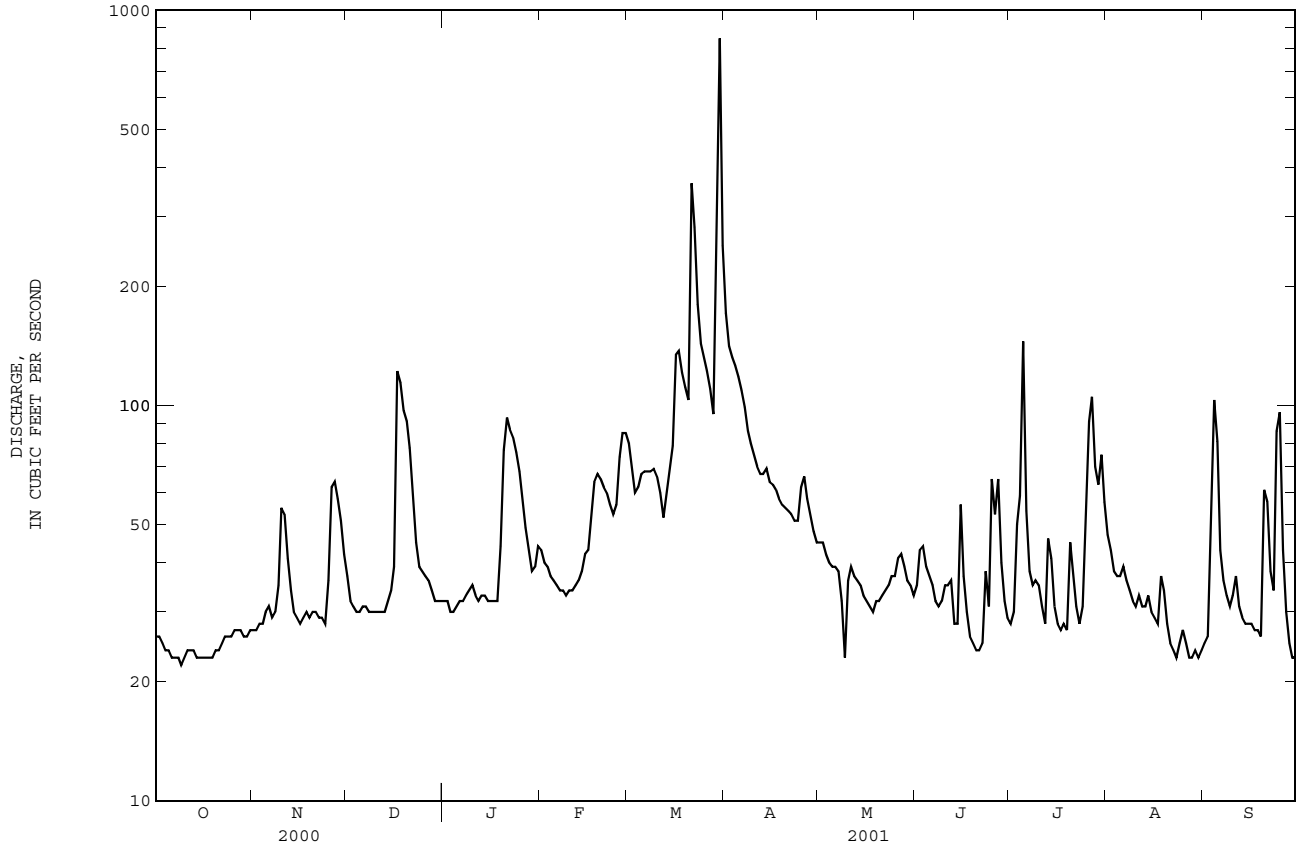
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	27	37	32	43	80	171	45	35	28	47	25
2	26	27	32	32	40	69	141	45	43	30	43	26
3	25	28	31	30	39	60	132	42	44	50	38	57
4	24	28	30	30	37	62	126	40	39	59	37	103
5	24	30	30	31	36	67	118	39	37	145	37	81
6	23	31	31	32	35	68	109	39	35	54	39	43
7	23	29	31	32	34	68	99	38	32	38	36	36
8	23	30	30	33	34	68	86	32	31	35	34	33
9	22	35	30	34	33	69	80	23	32	36	32	31
10	23	55	30	35	34	66	75	36	35	35	31	33
11	24	53	30	33	34	60	70	39	35	31	33	37
12	24	41	30	32	35	52	67	37	36	28	31	31
13	24	34	30	33	36	60	67	36	28	46	31	29
14	23	30	32	33	38	69	69	35	28	41	33	28
15	23	29	34	32	42	79	64	33	56	31	30	28
16	23	28	39	32	43	134	63	32	37	28	29	28
17	23	29	122	32	52	137	61	31	30	27	28	27
18	23	30	114	32	64	121	58	30	26	28	37	27
19	23	29	97	44	67	111	56	32	25	27	34	26
20	24	30	91	77	65	103	55	32	24	45	28	61
21	24	30	78	93	62	364	54	33	24	37	25	57
22	25	29	e59	87	60	282	53	34	25	31	24	38
23	26	29	e45	83	56	180	51	35	38	28	23	34
24	26	28	39	76	53	143	51	37	31	31	25	86
25	26	36	e38	68	56	131	62	37	65	55	27	96
26	27	62	37	58	74	122	66	41	53	91	25	43
27	27	64	36	49	85	110	58	42	65	105	23	30
28	27	58	e34	43	85	95	53	39	40	70	23	25
29	26	51	e32	38	---	285	48	36	32	63	24	23
30	26	42	e32	39	---	846	45	35	29	75	23	23
31	27	---	e32	44	---	253	---	33	---	57	24	---
TOTAL	760	1082	1393	1379	1372	4414	2308	1118	1090	1485	954	1245
MEAN	24.5	36.1	44.9	44.5	49.0	142	76.9	36.1	36.3	47.9	30.8	41.5
MAX	27	64	122	93	85	846	171	45	65	145	47	103
MIN	22	27	30	30	33	52	45	23	24	27	23	23
CFSM	.29	.43	.54	.53	.59	1.71	.92	.43	.44	.58	.37	.50
IN.	.34	.48	.62	.62	.61	1.97	1.03	.50	.49	.66	.43	.56

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2001,@ BY WATER YEAR (WY)

MEAN	107	103	125	153	186	205	184	137	116	88.6	97.2	91.6
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	61.6	36.1	34.4	34.9	26.5	25.4
(WY)	2001	1932	1956	1956	2001	1985	1967	2001	1926	1986	1999	1954

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1926 - 2001@	
ANNUAL TOTAL	22570		18600			
ANNUAL MEAN	61.7		51.0		133	
HIGHEST ANNUAL MEAN					221	1993
LOWEST ANNUAL MEAN					51.0	2001
HIGHEST DAILY MEAN	1000	Mar 20	846	Mar 30	10100	Oct 2 1929
LOWEST DAILY MEAN	19	Aug 18	22	Oct 9	4.0	Nov 15 1942
ANNUAL SEVEN-DAY MINIMUM	20	Aug 25	23	Oct 4	14	Jul 18 1926
MAXIMUM PEAK FLOW			2240	Mar 29	15300*	Oct 2 1929
MAXIMUM PEAK STAGE			6.19	Mar 29	18.71	Oct 12 1990
INSTANTANEOUS LOW FLOW			12*	May 8	3.0	Dec 20 1942
ANNUAL RUNOFF (CFSM)	.74		.61		1.60	
ANNUAL RUNOFF (INCHES)	10.09		8.32		21.73	
10 PERCENT EXCEEDS	120		85		217	
50 PERCENT EXCEEDS	48		36		92	
90 PERCENT EXCEEDS	24		25		42	

e Estimated.
@ See PERIOD OF RECORD.
* See REMARKS.

02143000 HENRY FORK NEAR HENRY RIVER, NC--Continued