

Water-Data Report 2007

02143000 HENRY FORK NEAR HENRY RIVER, NC

Santee Basin
South Fork Catawba Subbasin

LOCATION.--Lat 35°41'04", long 81°24'12" referenced to North American Datum of 1983, Catawba County, NC, 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.

SURFACE-WATER RECORDS

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 890.99 ft above NGVD of 1929. July 1925 to November 1931, at site 450 ft upstream at same datum. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Minimum discharge for current water year also occurred September 13.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known: 29.2 ft, August 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.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	54	81	92	1,560	104	156	99	81	51	55	32	26
2	51	82	83	651	108	1,660	99	79	50	46	29	24
3	50	76	78	270	103	470	95	79	60	45	29	22
4	49	72	75	203	98	222	95	83	67	43	28	21
5	47	70	74	251	97	171	91	84	54	40	27	19
6	46	70	73	343	95	149	90	85	49	38	26	18
7	46	114	73	267	96	135	90	78	46	37	25	17
8	47	416	70	763	95	128	90	76	49	37	23	13
9	57	192	68	539	93	121	89	76	50	35	23	21
10	51	118	68	275	93	116	88	76	44	44	22	17
11	48	95	70	209	91	113	90	77	44	44	21	17
12	50	99	68	183	90	108	99	75	47	40	21	17
13	48	86	68	169	95	107	88	73	51	35	23	14
14	46	81	68	158	112	104	87	68	50	36	21	49
15	47	77	68	150	95	105	143	67	163	35	20	74
16	47	822	66	144	92	103	135	68	71	34	19	35
17	132	417	66	132	90	213	110	72	59	33	19	29
18	176	175	65	128	90	278	102	68	52	37	19	27
19	94	132	65	128	87	140	101	64	48	35	19	25
20	87	111	64	122	88	129	111	63	50	38	18	23
21	77	98	64	123	89	128	97	61	48	35	18	29
22	71	112	287	151	87	119	96	59	44	32	18	25
23	67	109	671	131	84	115	92	59	42	33	20	27
24	63	101	208	123	83	112	91	59	43	40	23	25
25	61	93	354	118	122	108	90	57	43	35	30	24
26	61	87	511	114	137	106	88	56	45	34	27	24
27	73	83	227	112	110	104	93	54	43	33	24	23
28	214	80	161	112	100	104	88	52	44	31	25	25
29	138	79	135	107	---	102	84	51	42	32	27	21
30	101	79	121	105	---	98	83	50	90	34	24	20
31	87	---	136	104	---	99	---	49	---	35	23	---
Total	2,286	4,307	4,297	7,945	2,724	5,923	2,894	2,099	1,639	1,161	723	751
Mean	73.7	144	139	256	97.3	191	96.5	67.7	54.6	37.5	23.3	25.0
Max	214	822	671	1,560	137	1,660	143	85	163	55	32	74
Min	46	70	64	104	83	98	83	49	42	31	18	13
Cfsm	0.89	1.73	1.67	3.08	1.17	2.30	1.16	0.81	0.66	0.45	0.28	0.30
In.	1.02	1.93	1.92	3.55	1.22	2.65	1.29	0.94	0.73	0.52	0.32	0.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2007^a, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	105	104	127	151	181	201	182	135	115	88.1	96.6	94.8
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	25.0
(WY)	(2001)	(1932)	(1956)	(1956)	(2001)	(1985)	(2002)	(2002)	(2002)	(2002)	(2002)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1926 - 2007 ^a	
Annual total	33,925		36,749			
Annual mean	92.9		101		132	
Highest annual mean					221	1993
Lowest annual mean					45.5	2002
Highest daily mean	822	Nov 16	1,660	Mar 2	10,100	Oct 2, 1929
Lowest daily mean	24	Aug 3	13	Sep 8	4.0	Nov 15, 1942
Annual seven-day minimum	26	Aug 1	17	Sep 7	5.8	Aug 8, 2002
Maximum peak flow			3,560	Mar 2	15,300	Oct 2, 1929
Maximum peak stage			8.35	Mar 2	18.71	Oct 12, 1990
Instantaneous low flow			^b 7.4	Sep 8	3.0	Dec 20, 1942
Annual runoff (cfsm)	1.12		1.21		1.59	
Annual runoff (inches)	15.17		16.43		21.54	
10 percent exceeds	162		153		217	
50 percent exceeds	74		75		92	
90 percent exceeds	36		24		41	

^a See Period of Record.

^b See Remarks.

