

Water-Data Report 2008

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.--Records good except those for estimated daily discharges, which are poor. Minimum discharge for current water year result of regulation.

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 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	21	28	34	93	194	59	68	54	32	16	27	37
2	20	28	33	65	242	57	66	52	30	15	23	36
3	20	28	33	52	128	55	67	50	29	14	25	32
4	22	28	32	e48	107	62	97	48	29	13	21	29
5	24	28	33	e45	94	249	158	46	27	27	18	27
6	27	28	33	43	23	175	273	44	26	65	17	26
7	24	27	31	41	23	143	222	43	25	49	16	24
8	22	28	31	40	26	237	136	42	23	49	15	24
9	21	29	31	39	42	172	108	43	22	63	14	23
10	20	30	32	39	57	121	93	42	36	138	13	26
11	19	29	32	46	57	102	85	42	31	73	13	43
12	19	30	31	46	55	90	82	48	32	39	12	41
13	19	30	31	41	101	81	76	42	26	48	17	33
14	20	30	31	39	113	75	69	39	25	46	24	29
15	19	35	32	37	107	77	66	39	24	32	34	26
16	19	39	48	36	97	107	63	45	22	26	21	64
17	19	34	44	45	88	85	60	42	21	24	37	84
18	20	33	36	52	97	77	59	39	19	22	35	50
19	21	32	34	54	87	87	59	41	18	21	23	38
20	22	32	33	53	70	198	70	37	18	20	19	33
21	21	32	37	48	65	148	60	36	18	19	17	31
22	21	36	40	46	63	116	57	34	18	18	16	29
23	22	38	92	43	62	99	55	33	18	33	15	27
24	38	35	101	42	58	87	53	32	18	45	15	26
25	78	33	55	40	56	79	52	32	17	26	29	25
26	59	38	45	39	68	74	51	31	16	22	54	32
27	44	48	41	39	81	71	88	31	18	22	629	127
28	34	44	53	38	66	69	72	51	20	20	233	105
29	30	37	173	37	61	75	67	58	17	20	73	66
30	29	35	134	38	---	77	58	41	17	29	52	47
31	27	---	175	38	---	68	---	35	---	22	41	---
Total	821	982	1,621	1,402	2,388	3,272	2,590	1,292	692	1,076	1,598	1,240
Mean	26.5	32.7	52.3	45.2	82.3	106	86.3	41.7	23.1	34.7	51.5	41.3
Max	78	48	175	93	242	249	273	58	36	138	629	127
Min	19	27	31	36	23	55	51	31	16	13	12	23
Cfsm	0.32	0.39	0.63	0.54	0.99	1.27	1.04	0.50	0.28	0.42	0.62	0.50
In.	0.37	0.44	0.72	0.63	1.07	1.46	1.16	0.58	0.31	0.48	0.71	0.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2008^a, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	104	103	126	150	180	200	181	134	113	87.3	96.0	94.1
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	32.7	31.1	32.3	49.0	69.7	56.8	35.8	20.8	14.5	12.5	25.0
(WY)	(2001)	(2008)	(1956)	(1956)	(2001)	(1985)	(2002)	(2002)	(2002)	(2002)	(2002)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1926 - 2008 ^a	
Annual total	29,283		18,974			
Annual mean	80.2		51.8		131	
Highest annual mean					221	
Lowest annual mean					45.5	
Highest daily mean	1,660	Mar 2	629	Aug 27	10,100	Oct 2, 1929
Lowest daily mean	13	Sep 8	12	Aug 12	4.0	Nov 15, 1942
Annual seven-day minimum	17	Sep 7	14	Aug 6	5.8	Aug 8, 2002
Maximum peak flow			1,490	Aug 27	15,300	Oct 2, 1929
Maximum peak stage			4.80	Aug 27	18.71	Oct 12, 1990
Instantaneous low flow			^b 7.7	Oct 2	3.0	Dec 20, 1942
Annual runoff (cfs)	0.964		0.623		1.57	
Annual runoff (inches)	13.09		8.48		21.36	
10 percent exceeds	130		95		215	
50 percent exceeds	48		38		91	
90 percent exceeds	21		19		40	

^aSee Period of Record.^bSee Remarks.