

02098198 HAW RIVER BELOW B. EVERETT JORDAN LAKE DAM NEAR MONCURE, NC

Cape Fear Basin
Haw Subbasin

LOCATION.--Lat 35°38'58", long 79°03'56" referenced to North American Datum of 1983, Chatham County, NC, Hydrologic Unit 03030002, on right bank 1,000 ft downstream from B. Everett Jordan Lake Dam, 2.5 mi north of Moncure, and 4.2 mi upstream from mouth.

DRAINAGE AREA.--1,689 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1965 to current year. Discharge records October 1965 to September 1992. Gage height records only, October 1992 to current year. October 1965 to September 1978, published as "Haw River near Haywood, NC" (02098200).

REVISED RECORDS.--WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 155.00 ft above NGVD of 1929. Prior to October 1, 1978, water-stage recorder at site 0.3 mi. downstream of dam at same datum. Period October 1, 1978 to June 28, 2007, water-stage recorder at site 300 ft downstream from dam at same datum. U.S. Army Corps of Engineers satellite telemetry at station.

REMARKS.--Stage regulated by B. Everett Jordan Lake Dam (Station 02098197).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 22.41 ft, October 25, 1971 at site 0.3 mi downstream; minimum gage height not determined.

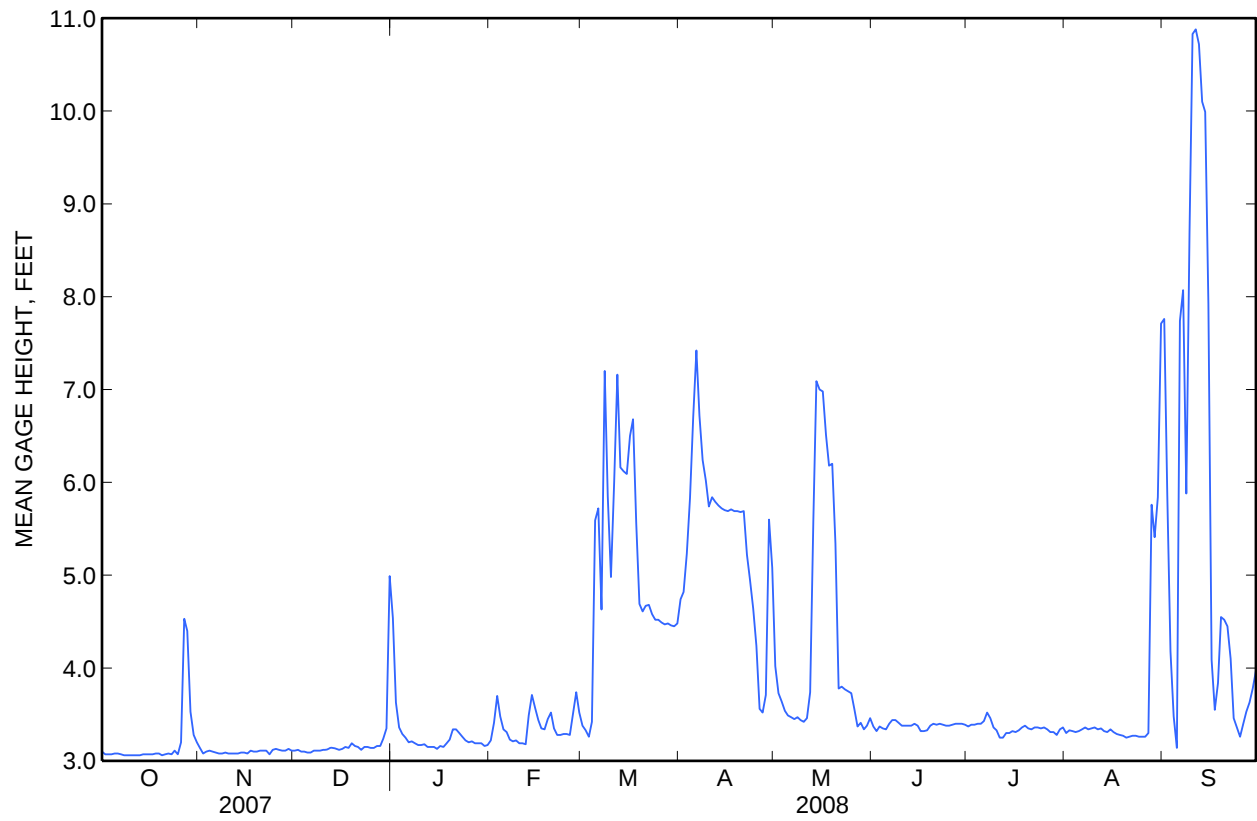
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.19 ft, September 6; minimum gage height, 3.00 ft, October 11.

02098198 HAW RIVER BELOW B. EVERETT JORDAN LAKE DAM NEAR MONCURE, NC—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.10	3.14	3.11	4.54	3.22	3.38	4.74	4.02	3.37	3.37	3.30	7.76
2	3.07	3.08	3.12	3.63	3.41	3.33	4.82	3.73	3.32	3.39	3.33	5.87
3	3.07	3.10	3.10	3.36	3.70	3.26	5.23	3.64	3.37	3.39	3.32	4.18
4	3.07	3.11	3.10	3.29	3.48	3.42	5.83	3.54	3.35	3.40	3.31	3.48
5	3.08	3.10	3.09	3.25	3.34	5.59	6.70	3.49	3.34	3.40	3.32	3.14
6	3.08	3.09	3.09	3.20	3.31	5.72	7.42	3.47	3.40	3.43	3.34	7.74
7	3.07	3.08	3.11	3.21	3.23	4.63	6.72	3.45	3.44	3.52	3.36	8.07
8	3.06	3.08	3.11	3.19	3.21	7.20	6.24	3.47	3.44	3.46	3.34	5.88
9	3.06	3.09	3.11	3.17	3.22	5.85	6.02	3.44	3.41	3.36	3.35	8.69
10	3.06	3.08	3.12	3.17	3.19	4.98	5.74	3.42	3.38	3.33	3.36	10.83
11	3.06	3.08	3.12	3.18	3.19	6.00	5.84	3.46	3.38	3.25	3.34	10.88
12	3.06	3.08	3.14	3.15	3.18	7.16	5.79	3.74	3.38	3.25	3.35	10.72
13	3.06	3.08	3.14	3.15	3.49	6.16	5.75	5.60	3.38	3.30	3.32	10.10
14	3.07	3.09	3.13	3.15	3.71	6.12	5.72	7.09	3.40	3.30	3.31	9.99
15	3.07	3.09	3.12	3.13	3.57	6.09	5.70	7.00	3.38	3.32	3.34	7.92
16	3.07	3.08	3.13	3.16	3.44	6.50	5.69	6.98	3.32	3.31	3.31	4.09
17	3.07	3.11	3.15	3.15	3.35	6.68	5.71	6.51	3.32	3.33	3.29	3.55
18	3.08	3.10	3.14	3.19	3.34	5.56	5.69	6.18	3.33	3.36	3.28	3.84
19	3.08	3.10	3.19	3.23	3.45	4.69	5.69	6.20	3.38	3.38	3.27	4.55
20	3.06	3.11	3.16	3.34	3.52	4.61	5.68	5.34	3.40	3.35	3.25	4.52
21	3.07	3.11	3.15	3.34	3.35	4.67	5.69	3.78	3.39	3.34	3.26	4.45
22	3.08	3.11	3.12	3.30	3.28	4.68	5.22	3.80	3.40	3.36	3.27	4.10
23	3.07	3.07	3.15	3.26	3.28	4.58	4.95	3.77	3.39	3.36	3.27	3.46
24	3.11	3.12	3.15	3.22	3.29	4.52	4.64	3.75	3.38	3.35	3.26	3.36
25	3.07	3.13	3.14	3.20	3.29	4.52	4.24	3.73	3.38	3.36	3.26	3.26
26	3.20	3.12	3.14	3.21	3.28	4.49	3.56	3.56	3.39	3.34	3.26	3.40
27	4.53	3.11	3.16	3.19	3.51	4.47	3.52	3.37	3.40	3.31	3.30	3.53
28	4.40	3.11	3.16	3.19	3.74	4.48	3.71	3.41	3.40	3.31	5.76	3.63
29	3.53	3.13	3.24	3.19	3.52	4.46	5.60	3.34	3.40	3.28	5.41	3.78
30	3.28	3.11	3.35	3.16	---	4.45	5.08	3.38	3.39	3.34	5.84	3.97
31	3.20	---	4.99	3.17	---	4.48	---	3.46	---	3.36	7.71	---
Mean	3.19	3.10	3.20	3.27	3.38	5.06	5.43	4.29	3.38	3.35	3.68	5.76
Max	4.53	3.14	4.99	4.54	3.74	7.20	7.42	7.09	3.44	3.52	7.71	10.88
Min	3.06	3.07	3.09	3.13	3.18	3.26	3.52	3.34	3.32	3.25	3.25	3.14

02098198 HAW RIVER BELOW B. EVERETT JORDAN LAKE DAM NEAR MONCURE, NC—Continued



02098198 HAW RIVER BELOW B. EVERETT JORDAN LAKE DAM NEAR MONCURE, NC—Continued**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1973-75, 1980-86, 1989-1995, 2004, 2006, 2008. Prior to September 1978, published as "Haw River near Haywood, NC" (02098200).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1973 to September 1975, April 1980 to September 1984.

WATER TEMPERATURE: July 1973 to September 1975, April 1980 to September 1984.

INSTRUMENTATION.--Water-quality monitor from October 1981 to September 1984.

REMARKS.--Station operated to define water quality as part of a regional surface-water quality assessment. Samples for October 1994 and April 1995 were collected by the North Carolina Department of Environment, Health and Natural Resources. A GC/FID scan for trace organic compounds was performed on these samples by the U.S. Geological Survey National Water Quality Lab. Results may be obtained from the North Carolina Water Science Center, Raleigh, NC.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 572 microsiemens, Nov. 11, 1973; minimum recorded, 23 microsiemens, July 29, 1982.

WATER TEMPERATURE: Maximum recorded, 33.0°C, Aug. 8, 1980; minimum recorded, 1.0°C, Dec. 27, 29, 1980, Jan. 5, 6, 13-18, 1981.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 4

[Remark codes: <, less than; E, estimated.]

Date	Time	Color, water, fltrd, Pt-Co units (00080)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd std units (00400)	Specif- ic conduc- tance, wat unf μS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)
Apr 29...	1200	40	756	9.1	95	7.4	177	17.2	33	7.89	3.12	3.37	18.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 4

[Remark codes: <, less than; E, estimated.]

Date	ANC, wat unf infl pt titr., field, mg/L as CaCO3 (00419)	Bicar- bonate, wat unf infl pt titr., field, mg/L (00450)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L as P (00665)
Apr 29...	33	40	16.5	.15	4.14	18.9	108	.77	.201	.292	.017	.010	.064

02098198 HAW RIVER BELOW B. EVERETT JORDAN LAKE DAM NEAR MONCURE, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 4

[Remark codes: <, less than; E, estimated.]

Date	Organic carbon, water, flt'd, mg/L (00681)	Organic carbon, water, unflt'd mg/L (00680)	Alum- inum, water, unflt'd recover- able, µg/L (01105)	Arsenic water, unflt'd µg/L (01002)	Cadmium water, unflt'd µg/L (01027)	Chrom- ium, water, unflt'd recover- able, µg/L (01034)	Cobalt water, unflt'd recover- able, µg/L (01037)	Copper, water, unflt'd recover- able, µg/L (01042)	Iron, water, unflt'd recover- able, µg/L (01045)	Lead, water, unflt'd recover- able, µg/L (01051)	Mangan- ese, water, unflt'd recover- able, µg/L (01055)	Mercury water, flt'd, µg/L (71890)	Mercury water, unflt'd recover- able, µg/L (71900)
Apr 29...	6.2	7.7	181	E.55	.03	.55	.49	1.8	402	.54	305	<.010	<.010

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 4

[Remark codes: <, less than; E, estimated.]

Date	Molyb- denum, water, unflt'd recover- able, µg/L (01062)	Nickel, water, unflt'd recover- able, µg/L (01067)	Selen- ium, water, unflt'd µg/L (01147)	Silver, water, unflt'd recover- able, µg/L (01077)	Zinc, water, unflt'd recover- able, µg/L (01092)	Sus- pended sedi- ment concentra- tion mg/L (80154)
Apr 29...	1.5	2.0	.15	<.02	3.7	10