

Water-Data Report 2008

02098197 B. EVERETT JORDAN LAKE AT DAM NEAR MONCURE, NC

Cape Fear Basin
Haw Subbasin

LOCATION.--Lat 35°39'17", long 79°04'06" referenced to North American Datum of 1983, Chatham County, NC, Hydrologic Unit 03030002, at B. Everett Jordan Dam on Haw River, 0.3 mi downstream of mouth of New Hope River, 2.5 mi north of Moncure, 4.2 mi upstream from mouth of Haw River, and 202.2 mi upstream from mouth of Cape Fear River.

DRAINAGE AREA.--1,689 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 1986 to current year. Some records furnished by U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. U.S. Army Corps of Engineers satellite telemetry at station.

REMARKS.--Lake elevations controlled by reservoir operations at B. Everett Jordan Dam. Lake is used for flood control, water supply, low-flow augmentation, and recreation. Some storage was affected during construction and then operated temporarily as a "dry reservoir" January 1975 to August 1981. Reservoir began filling September 1981 and reached normal pool elevation, 216 ft, February 4, 1982. Total capacity is 32,825,074,000 ft³ at 240.0 ft, of which 23,454,011,000 ft³ is controlled flood storage. (Also see station 02098198)

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 233.83 ft, April 15, 2003; minimum elevation, 207.85 ft, November 12, 1986.

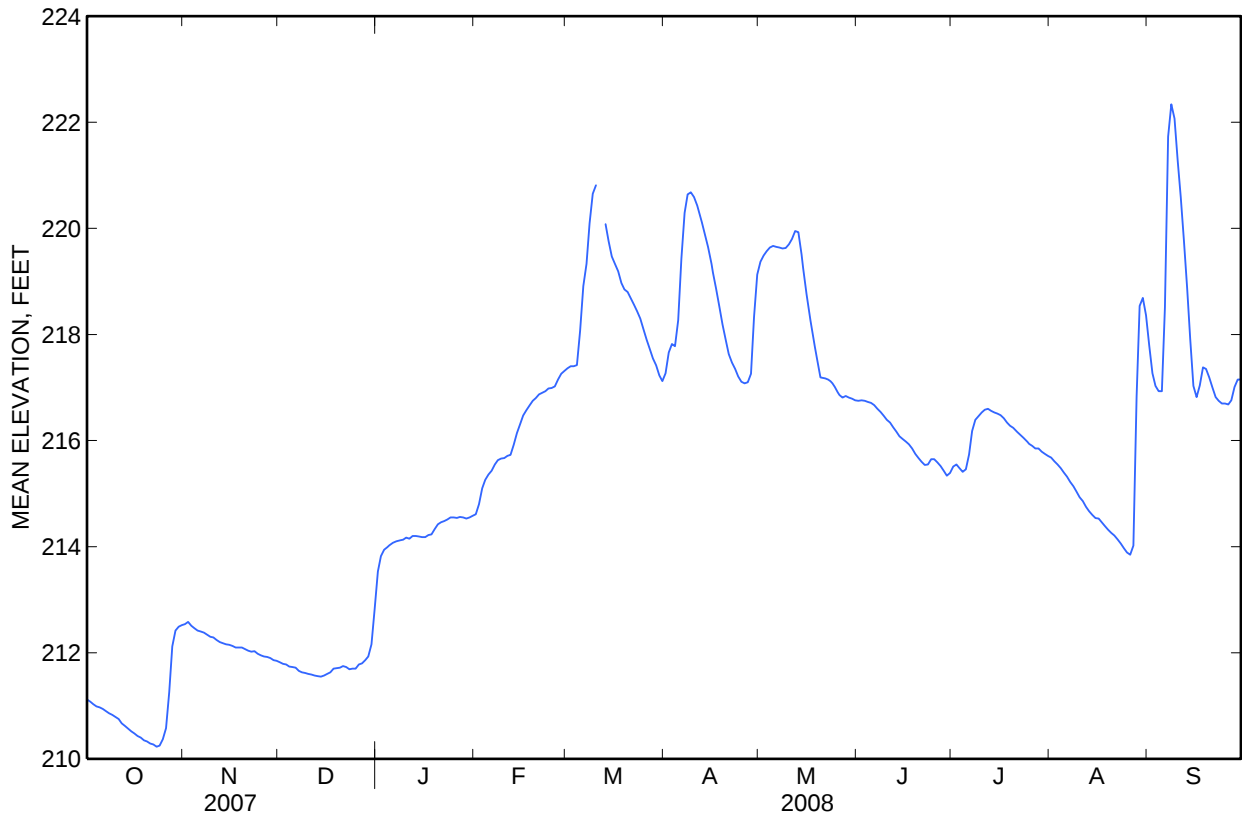
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 222.41 ft, September 8; minimum elevation, 210.19 ft, October 24.

02098197 B. EVERETT JORDAN LAKE AT DAM NEAR MONCURE, NC—Continued

ELEVATION, 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	211.12	212.54	211.82	213.53	214.61	217.36	217.27	219.37	216.75	215.51	215.68	217.79
2	211.08	212.58	211.79	213.82	214.80	217.40	217.66	219.49	216.76	215.55	215.61	217.27
3	211.03	212.51	211.78	213.94	215.10	217.40	217.82	219.57	216.75	215.48	215.55	217.03
4	210.99	212.46	211.74	213.99	215.26	217.42	217.78	219.64	216.73	215.41	215.48	216.93
5	210.97	212.42	211.73	214.04	215.36	218.07	218.27	219.67	216.71	215.46	215.40	216.93
6	210.94	212.40	211.72	214.08	215.43	218.91	219.43	219.65	216.67	215.74	215.32	218.51
7	210.90	212.38	211.66	214.10	215.55	219.33	220.29	219.64	216.60	216.18	215.22	221.73
8	210.86	212.34	211.63	214.12	215.63	220.09	220.64	219.62	216.54	216.39	215.14	222.34
9	210.83	212.30	211.62	214.13	215.66	220.65	220.68	219.63	216.47	216.46	215.04	222.07
10	210.79	212.29	211.60	214.17	215.67	220.81	220.59	219.70	216.39	216.53	214.93	221.27
11	210.75	212.24	211.59	214.15	215.71	---	220.43	219.80	216.34	216.58	214.86	220.59
12	210.67	212.20	211.57	214.20	215.73	---	220.20	219.95	216.25	216.60	214.75	219.76
13	210.62	212.18	211.56	214.20	215.92	220.08	220.01	219.93	216.17	216.56	214.67	218.87
14	210.57	212.16	211.55	214.19	216.14	219.76	219.75	219.51	216.08	216.53	214.60	217.92
15	210.52	212.15	211.57	214.18	216.31	219.47	219.49	219.04	216.03	216.51	214.54	217.03
16	210.48	212.13	211.60	214.18	216.47	219.33	219.17	218.59	215.98	216.48	214.53	216.82
17	210.43	212.10	211.63	214.22	216.57	219.19	218.86	218.21	215.93	216.42	214.46	217.04
18	210.40	212.10	211.70	214.23	216.66	218.97	218.53	217.84	215.85	216.34	214.39	217.38
19	210.35	212.10	211.71	214.33	216.75	218.85	218.19	217.52	215.75	216.28	214.32	217.35
20	210.33	212.07	211.72	214.42	216.80	218.80	217.90	217.19	215.67	216.24	214.26	217.19
21	210.29	212.04	211.75	214.46	216.87	218.68	217.63	217.18	215.60	216.18	214.21	217.00
22	210.27	212.02	211.73	214.48	216.90	218.56	217.47	217.16	215.54	216.12	214.14	216.82
23	210.23	212.03	211.69	214.51	216.93	218.44	217.35	217.13	215.55	216.06	214.06	216.75
24	210.25	211.98	211.70	214.55	216.98	218.30	217.21	217.06	215.65	216.01	213.97	216.70
25	210.37	211.95	211.70	214.55	216.99	218.10	217.11	216.96	215.65	215.94	213.89	216.70
26	210.58	211.93	211.78	214.54	217.02	217.90	217.08	216.86	215.59	215.90	213.85	216.68
27	211.26	211.92	211.80	214.56	217.15	217.73	217.10	216.81	215.52	215.85	214.02	216.76
28	212.12	211.90	211.86	214.55	217.26	217.55	217.26	216.84	215.43	215.85	216.83	217.01
29	212.42	211.86	211.93	214.53	217.31	217.42	218.33	216.81	215.34	215.79	218.54	217.15
30	212.49	211.85	212.16	214.55	---	217.23	219.13	216.79	215.39	215.75	218.69	217.15
31	212.52	---	212.83	214.58	---	217.12	---	216.76	---	215.71	218.36	---
Mean	210.88	212.17	211.75	214.26	216.19	---	218.62	218.38	216.06	216.08	215.14	218.02
Max	212.52	212.58	212.83	214.58	217.31	---	220.68	219.95	216.76	216.60	218.69	222.34
Min	210.23	211.85	211.55	213.53	214.61	---	217.08	216.76	215.34	215.41	213.85	216.68

02098197 B. EVERETT JORDAN LAKE AT DAM NEAR MONCURE, NC—Continued



02098197 B. EVERETT JORDAN LAKE AT DAM NEAR MONCURE, NC—Continued**CLIMATOLOGICAL RECORDS**

PERIOD OF RECORD.—October 1998 to current year. Prior to July 2007, published as "Haw River below B. Everett Jordan Dam near Moncure" (station 02098198).

INSTRUMENTATION.—Tipping-bucket raingage. Satellite telemetry at station.

REMARKS.—Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY SUM VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	0.54	0.00	0.03	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.03	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00
4	0.00	0.01	0.00	0.00	0.00	1.07	0.14	0.00	0.00	0.05	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.40	0.00	0.08
6	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	1.45	0.00	1.84
7	0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.04	0.07	0.00
8	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.06	0.00	0.29	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.10	0.00	0.00
10	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.20	0.28
11	0.00	0.00	0.00	0.01	0.00	---	0.00	0.06	0.00	0.12	0.00	0.00
12	0.00	0.02	0.00	0.00	0.70	---	0.06	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.64	0.00	0.00	0.00	0.00	0.00	0.22	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.04	0.00	0.00
15	0.00	0.24	0.57	0.00	0.00	0.67	0.00	0.24	0.59	0.00	0.01	0.00
16	0.00	0.00	0.21	0.00	0.00	0.01	0.00	0.29	0.00	0.00	0.00	0.66
17	0.00	0.00	0.00	0.37	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.33	0.00	0.05	0.00	0.00
19	0.22	0.01	0.00	0.10	0.00	0.18	0.00	0.00	0.00	0.08	0.00	0.00
20	0.01	0.00	0.00	0.01	0.00	0.01	0.19	0.03	0.09	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.02	0.00	0.00	0.00
22	0.00	0.00	0.00	0.05	0.09	0.00	0.05	0.00	0.00	0.23	0.00	0.00
23	0.00	0.00	0.20	0.01	0.00	0.00	0.01	0.00	0.00	0.25	0.00	0.00
24	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.27	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
26	2.40	0.06	0.25	0.00	0.83	0.00	0.00	0.00	0.00	0.00	0.52	0.56
27	0.21	0.02	0.00	0.00	0.00	0.00	0.83	0.00	0.00	0.49	1.85	0.02
28	0.00	0.00	0.02	0.00	0.00	0.00	0.69	0.80	0.00	0.00	0.01	0.00
29	0.00	0.00	0.10	0.00	0.00	0.06	0.01	0.00	0.46	0.00	0.00	0.00
30	0.00	0.00	1.44	0.11	---	0.12	0.00	0.00	0.00	0.60	0.00	0.01
31	0.00	---	0.00	0.00	---	0.61	---	0.00	---	0.25	0.00	---
Total	4.03	0.45	2.82	0.66	3.16	---	2.64	2.11	1.32	4.44	2.88	3.48

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