

Water-Data Report 2010

03455773 LAKE LOGAN AT DAM NEAR HAZELWOOD, NC

French Broad-Holston Basin
Pigeon Subbasin

LOCATION.--Lat 35°25'21", long 82°55'20" referenced to North American Datum of 1983, Haywood County, NC, Hydrologic Unit 06010106, at Lake Logan Dam on West Fork Pigeon River near Hazelwood, and at river mile 7.0.

DRAINAGE AREA.--33.3 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1997 to current year. Records for October 1986 to January 1991 and November 1995 to September 1997 are unpublished and available from the USGS Water Science Center, Raleigh, NC.

GAGE.--Water-stage recorder. Datum of gage is 2,856.23 ft above NGVD of 1929. Satellite and telephone telemetry at station.

REMARKS.--Records good. Total capacity is 1,040 ft³/s-day (top of flashboards), all of which is usable. Filling began November 1931. (See station number 0345577330).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 58.60 ft, September 17, 2004; minimum gage height, 37.72 ft, August 25, 2008.

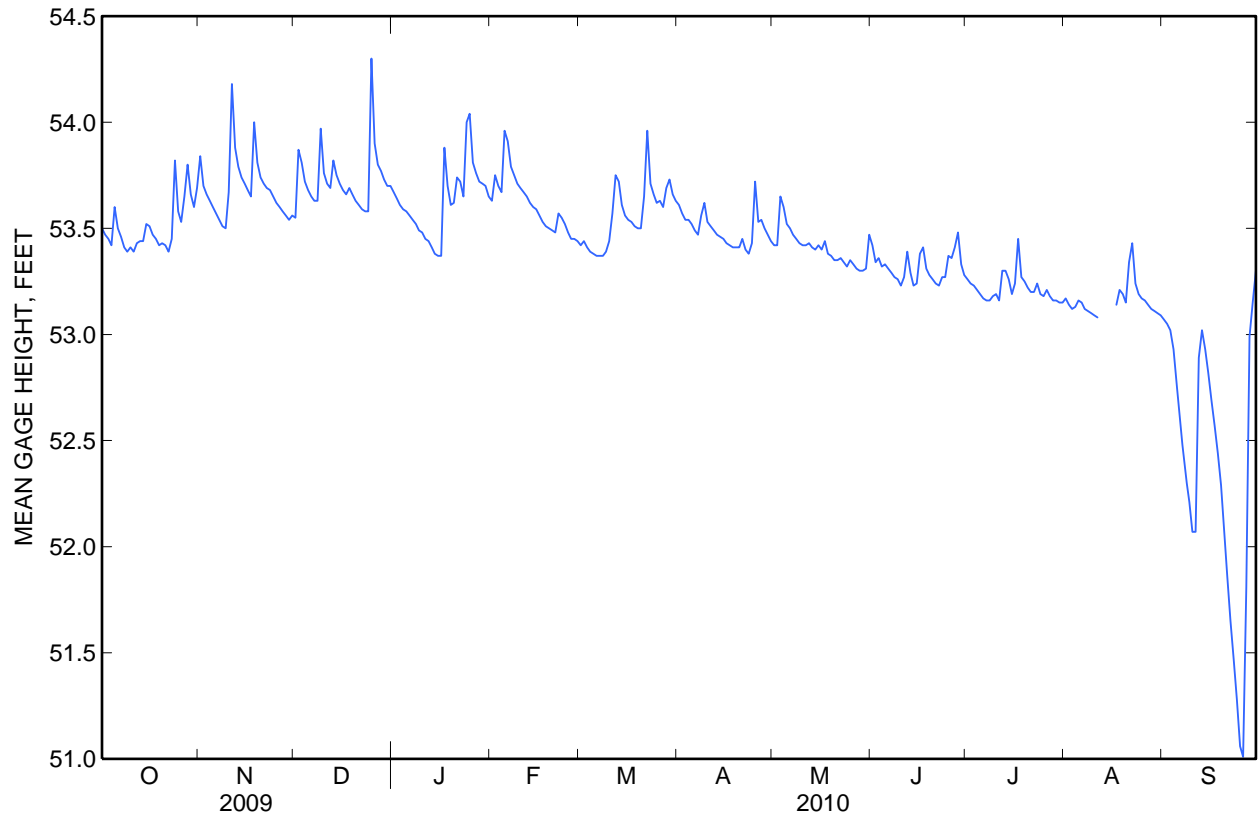
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 54.95 ft, January 24; minimum gage height, 50.92 ft, September 26.

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	53.50	53.84	53.55	53.67	53.63	53.42	53.61	53.42	53.42	53.26	53.17	53.07
2	53.47	53.70	53.87	53.64	53.75	53.44	53.57	53.42	53.34	53.24	53.14	53.05
3	53.45	53.66	53.81	53.61	53.70	53.41	53.54	53.65	53.36	53.23	53.12	53.02
4	53.42	53.63	53.72	53.59	53.67	53.39	53.54	53.60	53.32	53.21	53.13	52.93
5	53.60	53.60	53.68	53.58	53.96	53.38	53.52	53.52	53.33	53.19	53.16	52.77
6	53.50	53.57	53.65	53.56	53.91	53.37	53.49	53.50	53.31	53.17	53.15	52.61
7	53.46	53.54	53.63	53.54	53.79	53.37	53.47	53.47	53.29	53.16	53.12	52.46
8	53.41	53.51	53.63	53.52	53.75	53.37	53.56	53.45	53.27	53.16	53.11	52.32
9	53.39	53.50	53.97	53.49	53.71	53.39	53.62	53.43	53.26	53.18	53.10	52.21
10	53.41	53.67	53.76	53.48	53.69	53.44	53.53	53.42	53.23	53.19	53.09	52.07
11	53.39	54.18	53.71	53.45	53.67	53.57	53.51	53.42	53.27	53.16	53.08	52.07
12	53.43	53.88	53.69	53.44	53.65	53.75	53.49	53.43	53.39	53.30	---	52.89
13	53.44	53.79	53.82	53.41	53.62	53.72	53.47	53.41	53.29	53.30	---	53.02
14	53.44	53.74	53.75	53.38	53.60	53.61	53.46	53.40	53.23	53.26	---	52.93
15	53.52	53.71	53.71	53.37	53.59	53.56	53.45	53.42	53.24	53.19	---	52.82
16	53.51	53.68	53.68	53.37	53.56	53.54	53.43	53.40	53.38	53.24	---	52.69
17	53.47	53.65	53.66	53.88	53.53	53.53	53.42	53.44	53.41	53.45	53.14	52.57
18	53.45	54.00	53.69	53.70	53.51	53.51	53.41	53.38	53.31	53.27	53.21	52.44
19	53.42	53.81	53.66	53.61	53.50	53.50	53.41	53.37	53.28	53.25	53.19	52.29
20	53.43	53.74	53.63	53.62	53.49	53.50	53.41	53.35	53.26	53.22	53.15	52.07
21	53.42	53.71	53.61	53.74	53.48	53.65	53.45	53.35	53.24	53.20	53.34	51.86
22	53.39	53.69	53.59	53.72	53.57	53.96	53.40	53.36	53.23	53.20	53.43	51.65
23	53.45	53.68	53.58	53.65	53.55	53.71	53.38	53.34	53.27	53.24	53.24	51.47
24	53.82	53.65	53.58	54.00	53.52	53.66	53.43	53.32	53.27	53.19	53.19	51.28
25	53.58	53.62	54.30	54.04	53.48	53.62	53.72	53.35	53.37	53.18	53.17	51.06
26	53.53	53.60	53.90	53.81	53.45	53.63	53.53	53.33	53.36	53.21	53.16	51.01
27	53.65	53.58	53.80	53.76	53.45	53.60	53.54	53.31	53.41	53.18	53.14	51.81
28	53.80	53.56	53.77	53.72	53.44	53.69	53.50	53.30	53.48	53.16	53.12	52.99
29	53.66	53.54	53.73	53.71	---	53.73	53.47	53.30	53.33	53.16	53.11	53.15
30	53.60	53.56	53.70	53.70	---	53.66	53.44	53.31	53.28	53.15	53.10	53.30
31	53.69	---	53.70	53.65	---	53.63	---	53.47	---	53.15	53.09	---
Mean	53.51	53.69	53.73	53.63	53.62	53.56	53.49	53.41	53.31	53.21	---	52.40
Max	53.82	54.18	54.30	54.04	53.96	53.96	53.72	53.65	53.48	53.45	---	53.30
Min	53.39	53.50	53.55	53.37	53.44	53.37	53.38	53.30	53.23	53.15	---	51.01

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CLIMATOLOGICAL RECORDS

PERIOD OF RECORD.--December 1998 to current year.

INSTRUMENTATION.--Tipping-bucket raingage and electronic datalogger. Satellite and telephone telemetry at station.

REMARKS.--Gage is operated in cooperation with Evergreen Packing Group. Precipitation data collected during freezing periods may not be accurately reflected in daily record.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY SUM VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.13	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	1.25	0.00	---	---	0.00	0.00	0.02	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	---	---	0.00	0.74	0.02	0.00	0.00	0.00
4	0.17	0.00	0.00	0.00	---	---	0.00	0.00	0.02	0.00	0.01	0.00
5	0.65	0.00	0.00	0.00	---	0.03	0.00	0.00	0.00	0.00	0.02	0.00
6	0.04	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.06	0.00	0.03	0.00
7	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.53	0.00	0.00	0.00	0.75	0.00	0.00	0.01	0.00	0.10
9	0.08	0.00	0.60	0.00	0.07	0.00	0.00	0.00	0.05	0.03	0.00	0.00
10	0.05	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	1.23	0.00	0.00	0.00	0.11	0.00	0.00	0.04	0.00	0.00	1.30
12	0.40	0.00	0.00	0.00	---	0.48	0.00	0.00	0.00	0.23	0.00	0.00
13	0.00	0.00	0.20	0.00	---	0.04	0.00	0.01	0.00	0.10	0.01	0.00
14	0.19	0.00	0.00	0.00	---	0.01	0.00	0.33	0.00	0.00	0.00	0.00
15	0.16	0.00	0.01	0.00	---	0.00	0.00	0.03	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.18	0.20	0.73	0.01	0.00
17	0.18	0.00	0.00	0.80	0.00	0.01	0.00	0.15	0.00	0.07	0.32	0.00
18	0.02	0.37	---	0.00	0.01	0.00	0.00	0.00	0.00	0.05	0.27	0.00
19	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.02	0.00
20	0.00	0.00	---	0.04	0.00	0.00	0.13	0.00	0.00	0.16	0.00	0.00
21	0.00	0.00	---	0.10	0.00	0.82	0.01	0.01	0.00	0.03	0.28	0.00
22	0.00	0.15	---	0.04	0.28	0.00	0.00	0.01	0.00	0.00	0.00	0.01
23	0.14	0.01	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.23	0.00	---	1.53	0.00	0.00	0.56	0.00	0.00	0.01	0.00	0.00
25	0.00	0.00	---	0.06	0.00	0.06	0.25	0.01	0.78	0.09	0.00	0.01
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.01	0.00	0.95
27	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.14	0.01	0.00	0.88
28	0.02	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.04	0.00	0.00	0.00
29	0.00	0.00	0.00	---	---	0.01	0.00	0.00	0.01	0.01	0.00	0.59
30	0.00	0.26	0.00	---	---	0.00	0.00	0.02	0.01	0.00	0.00	0.07
31	0.60	---	0.01	---	---	0.00	---	0.74	---	0.31	0.00	---
Total	3.94	3.95	---	---	---	---	1.70	2.25	2.48	1.94	0.97	3.91

