04057811 GREENWOOD RESERVOIR NEAR GREENWOOD, MI

Northwestern Lake Michigan Basin
Escanaba Subbasin

LOCATION.--Lat 46°26′32″, long 87°48′02″ referenced to North American Datum of 1927, in NW ¼ SW ¼ sec.27, T.47 N., R.28 W., Marquette County, MI, Hydrologic Unit 04030110, at control structure on Middle Branch Escanaba River, 3.7 mi southwest of Greenwood.

DRAINAGE AREA.--67.4 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--December 1972 to current year. Prior to October 1997, monthend elevations and contents only.

GAGE.--Water-stage recorder. Datum of gage is 1,400.00 ft above sea level (levels by Cliffs Natural Resources Inc.); EXTREMES reported below have been converted to sea level elevations. Prior to Feb. 20, 1973, nonrecording gage at same site and datum.

REMARKS.--The reservoir is formed by an earth/rockfill main dam and several earthen dikes surrounding the storage area. Storage began Dec. 22, 1972. The fixed-crest concrete spillway was completed in September 1973. Capacity of reservoir, 23,300 acre-ft at spillway elevation 1,515 ft. Above elevation 1,515 ft, water flows over concrete spillway into Middle Branch Escanaba River approximately 2,000 ft downstream from Greenwood Release (station 04057814). The main dam is equipped with an outlet structure with four valves to control flow to Greenwood Afterbay (station 04057812) which has a capacity of 420 acre-ft at elevation 1,480 ft. Two outlet systems from the afterbay provide for diversion and release flow. Diverted flow to Green Creek gaged at Greenwood Diversion (station 04057813); released flow to Middle Branch Escanaba River gaged at Greenwood Release (station 04057814). Reservoir impounds water for diversion to Schweitzer Reservoir (station 04058190), for use in iron ore processing. Gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 1,517.3 ft, Apr. 21, 22, 23, 1985; minimum since first filling, 1,491.1 ft, Mar. 12, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,513.08 ft, Sept. 30; minimum, 1,507.21 ft, Mar. 9.

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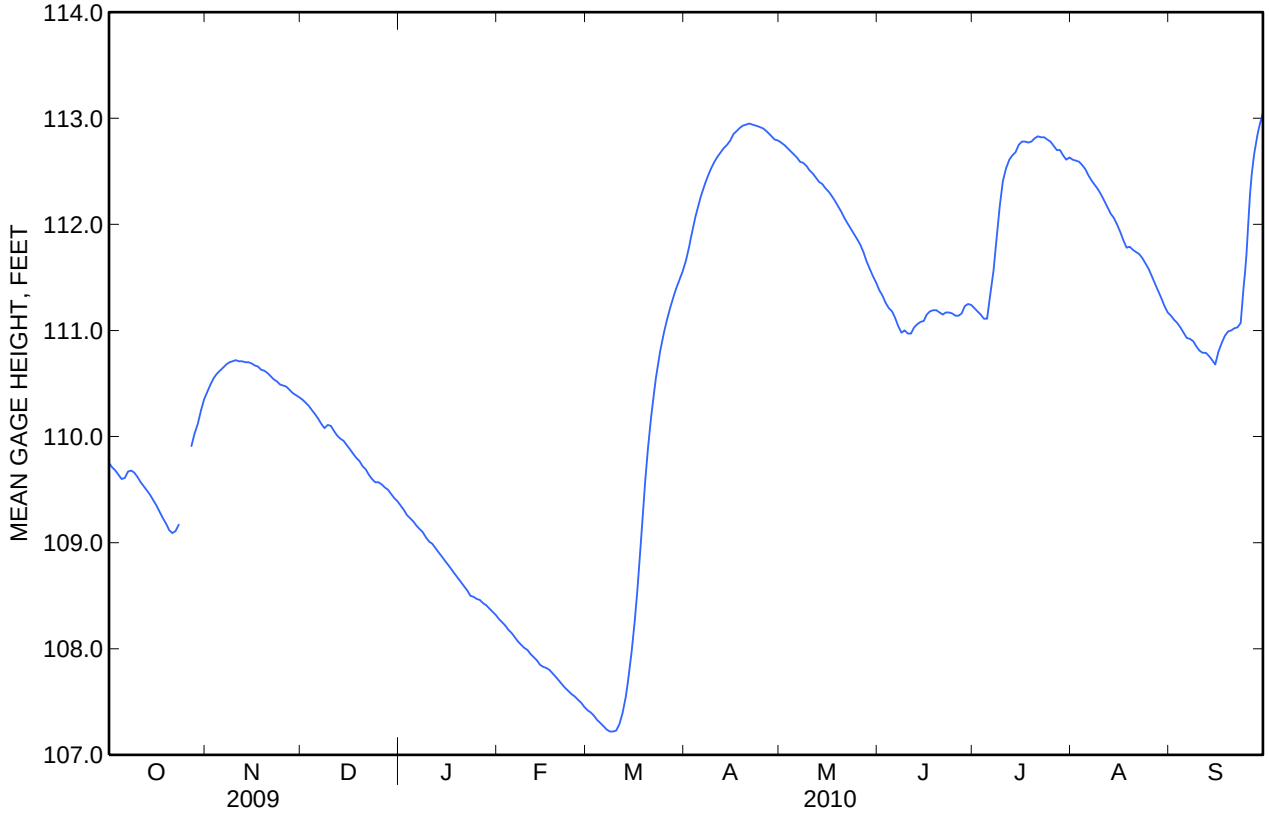
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	109.75	110.42	110.35	109.35	108.28	107.42	111.66	112.77	111.38	111.21	112.61	111.14
2	109.71	110.49	110.32	109.31	108.25	107.40	111.79	112.75	111.33	111.18	112.60	111.10
3	109.68	110.55	110.29	109.26	108.22	107.37	111.93	112.72	111.26	111.15	112.59	111.07
4	109.64	110.59	110.25	109.23	108.18	107.33	112.07	112.69	111.21	111.11	112.56	111.03
5	109.60	110.62	110.21	109.20	108.15	107.30	112.19	112.66	111.18	111.11	112.52	110.98
6	109.61	110.65	110.17	109.16	108.11	107.27	112.29	112.63	111.12	111.34	112.46	110.93
7	109.67	110.68	110.12	109.13	108.07	107.24	112.38	112.59	111.04	111.56	112.41	110.92
8	109.68	110.70	110.08	109.10	108.04	107.22	112.46	112.58	110.98	111.86	112.37	110.90
9	109.66	110.71	110.11	109.05	108.01	107.22	112.53	112.55	111.00	112.17	112.33	110.85
10	109.62	110.72	110.10	109.01	107.99	107.23	112.59	112.51	110.97	112.41	112.28	110.81
11	109.57	110.71	110.05	108.99	107.95	107.29	112.64	112.48	110.97	112.53	112.22	110.79
12	109.53	110.71	110.01	108.95	107.92	107.39	112.68	112.44	111.03	112.61	112.16	110.79
13	109.49	110.70	109.98	108.91	107.89	107.54	112.72	112.40	111.06	112.65	112.10	110.76
14	109.45	110.70	109.96	108.87	107.85	107.75	112.75	112.38	111.08	112.68	112.06	110.72
15	109.40	110.69	109.92	108.83	107.83	108.01	112.79	112.34	111.09	112.75	112.00	110.68
16	109.35	110.67	109.88	108.79	107.82	108.32	112.85	112.31	111.15	112.78	111.93	110.80
17	109.29	110.66	109.84	108.75	107.80	108.67	112.88	112.27	111.18	112.78	111.85	110.88
18	109.23	110.63	109.80	108.71	107.77	109.08	112.91	112.22	111.19	112.77	111.78	110.95
19	109.18	110.62	109.77	108.67	107.73	109.51	112.93	112.17	111.19	112.78	111.79	110.99
20	109.12	110.60	109.72	108.63	107.70	109.88	112.94	112.12	111.17	112.81	111.76	111.00
21	109.09	110.57	109.69	108.59	107.66	110.18	112.95	112.06	111.15	112.83	111.74	111.02
22	109.11	110.54	109.64	108.55	107.63	110.43	112.94	112.01	111.17	112.82	111.72	111.03
23	109.17	110.52	109.60	108.50	107.60	110.64	112.93	111.96	111.17	112.82	111.68	111.07
24	---	110.49	109.57	108.49	107.57	110.82	112.92	111.91	111.16	112.80	111.63	111.44
25	---	110.48	109.57	108.47	107.55	110.97	112.91	111.86	111.14	112.78	111.58	111.83
26	---	110.47	109.55	108.46	107.52	111.10	112.89	111.81	111.14	112.74	111.51	112.27
27	109.91	110.44	109.52	108.43	107.49	111.21	112.86	111.74	111.16	112.70	111.44	112.60
28	110.03	110.41	109.50	108.41	107.45	111.31	112.83	111.65	111.23	112.70	111.37	112.81
29	110.12	110.39	109.46	108.38	---	111.40	112.80	111.58	111.25	112.65	111.30	112.94
30	110.24	110.37	109.42	108.35	---	111.48	112.79	111.51	111.24	112.61	111.23	113.05
31	110.35	---	109.39	108.32	---	111.56	---	111.45	---	112.63	111.17	---
Mean	---	110.58	109.87	108.80	107.86	108.95	112.63	112.23	111.15	112.33	111.96	111.27
Max	---	110.72	110.35	109.35	108.28	111.56	112.95	112.77	111.38	112.83	112.61	113.05
Min	---	110.37	109.39	108.32	107.45	107.22	111.66	111.45	110.97	111.11	111.17	110.68

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