

Water-Data Report 2007

04216218 BLACK ROCK CANAL AT BLACK ROCK LOCK, BUFFALO, NY

Eastern Lake Erie Basin
Niagara Subbasin

LOCATION.--Lat 42°56'01", long 78°54'18" referenced to North American Datum of 1927, Erie County, NY, Hydrologic Unit 04120104, at Black Rock Lock adjacent to U.S. Army Corps of Engineers installation at foot of Hamilton Street, Buffalo and 0.2 mi downstream from International railroad bridge.

DRAINAGE AREA.--263,700 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1984 to March 1997, November 1998 to current year.

GAGE.--Water stage recorder. Datum of gage is International Great Lakes Datum (IGLD) of 1985. Prior to Oct. 1, 1991, datum of gage was International Great Lakes Datum (IGLD) of 1955, 0.67 ft lower.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 578.19 ft, Dec. 1, 2006, result of seiche; minimum elevation, 567.89 ft, Dec. 1, 2006, result of seiche.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 578.19 ft, Dec. 1, result of seiche; minimum elevation, 567.89 ft, Dec. 1, result of seiche.

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ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	571.22	571.22	572.25	571.93	572.03	570.36	571.45	571.65	571.61	571.20	571.02	570.86
2	570.98	571.47	572.30	571.52	572.45	571.59	571.84	571.82	571.62	571.11	571.07	571.04
3	571.08	571.39	571.98	571.69	573.40	571.92	571.40	571.66	571.53	571.20	571.17	571.27
4	571.00	571.09	572.09	571.46	572.90	571.73	572.74	571.57	571.65	571.28	570.88	570.98
5	570.43	570.96	571.73	571.34	572.92	571.70	572.67	571.58	572.02	571.32	570.95	570.96
6	570.44	570.91	572.21	571.87	572.12	571.24	572.11	571.49	571.69	571.42	571.15	570.98
7	570.75	570.83	571.68	571.34	572.01	571.19	572.03	571.76	571.56	571.38	571.07	571.18
8	570.91	570.91	572.12	573.15	572.32	571.23	572.03	571.82	571.74	571.48	571.32	571.07
9	570.96	571.14	572.60	572.26	571.68	571.11	571.70	571.75	571.59	571.55	570.90	570.87
10	570.76	570.63	571.91	571.99	571.58	571.30	571.55	571.81	571.56	571.29	571.07	570.95
11	571.14	570.86	571.21	571.83	571.69	571.33	571.02	571.81	571.59	571.42	571.02	571.77
12	572.61	570.69	571.00	571.86	571.24	571.22	572.02	571.59	571.57	571.51	571.15	571.35
13	572.81	570.82	571.58	571.39	569.93	571.27	572.06	571.64	571.52	571.40	571.13	570.98
14	571.95	570.89	571.31	571.35	570.83	571.32	571.53	571.70	571.39	571.29	571.09	571.24
15	571.19	570.54	571.86	571.42	571.60	571.26	571.26	572.03	571.43	571.34	571.14	571.06
16	570.83	571.01	571.16	571.87	571.90	570.48	571.92	572.02	571.55	571.15	571.14	570.85
17	571.26	571.54	571.31	572.10	571.31	571.60	571.65	571.75	571.63	571.05	571.16	570.72
18	571.05	571.06	571.26	572.14	571.33	571.67	571.57	571.77	571.43	571.11	570.83	570.75
19	571.08	571.01	571.33	573.09	571.23	571.60	571.58	572.00	571.69	571.40	570.81	570.80
20	571.01	570.99	571.46	572.16	571.27	571.42	571.70	571.82	571.65	571.32	570.35	570.69
21	571.15	571.00	571.13	571.58	571.15	571.30	571.66	571.67	571.76	571.06	570.85	570.70
22	571.97	570.82	570.91	571.85	571.52	571.75	571.62	571.60	571.48	571.03	570.96	570.99
23	571.78	570.90	572.39	572.70	571.25	571.55	571.76	571.64	571.41	571.01	571.13	570.65
24	571.52	570.92	571.71	571.87	571.10	571.54	571.62	571.65	571.40	570.96	571.30	570.66
25	571.14	571.01	571.03	571.77	570.54	571.42	571.44	571.74	571.41	571.03	571.44	570.81
26	570.82	571.03	571.22	571.83	571.25	571.73	571.36	571.58	571.38	571.06	571.24	570.86
27	570.61	571.03	571.85	572.17	571.21	571.60	571.93	571.76	571.57	571.10	571.07	570.66
28	572.44	570.93	571.43	571.92	571.13	571.14	571.94	571.72	571.48	571.09	571.13	570.93
29	572.72	571.00	570.75	572.16	---	571.17	571.98	571.56	571.30	570.85	571.16	570.63
30	571.14	571.03	571.17	571.94	---	571.48	572.02	571.60	571.40	570.92	571.00	570.61
31	571.37	---	570.90	572.72	---	571.17	---	571.61	---	571.08	570.99	---
Mean	571.29	570.99	571.58	571.94	571.60	571.37	571.77	571.72	571.55	571.21	571.05	570.93
Max	572.81	571.54	572.60	573.15	573.40	571.92	572.74	572.03	572.02	571.55	571.44	571.77
Min	570.43	570.54	570.75	571.34	569.93	570.36	571.02	571.49	571.30	570.85	570.35	570.61

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