

Water-Data Report 2007

**04219000 ERIE (BARGE) CANAL AT LOCK 30, MACEDON, NY**

Oswego Basin  
Seneca Subbasin

LOCATION.--Lat 43°04'20", long 77°17'45" referenced to North American Datum of 1927, Wayne County, NY, Hydrologic Unit 04140201, on left bank in Macedon, 500 ft downstream from headgate in old Erie Canal, 700 ft downstream from bridge on State Highway 350, 0.2 mi downstream from Lock 30, and 2.6 mi upstream from Ganargua Creek.

DRAINAGE AREA.--

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--November 1919 to December 1920, October 1950 to September 1977, October 1977 to current year (navigation seasons only). Prior to October 1956, published as "Barge Canal at Lock 30, Macedon."

REVISED RECORDS.--WSP 1237: 1951

GAGE.--Water-stage recorder. Datum of gage is 447.58 ft above NGVD of 1929. Nov. 1, 1919 to Dec. 28, 1920, nonrecording gage at same site at different datum.

COOPERATION.--Records of gate openings, lockages, lock-valve openings, and elevations of water surface in Erie (Barge) Canal upstream and downstream from Lock 30 furnished by New York State Canal Corporation.

REMARKS.--No estimated daily discharges. Records good. This record represents net diversion from Niagara River basin into Oswego River basin through Erie (Barge) Canal. During the non-navigation period, when the pool upstream from Lock 30 is drained, discharge consists of leakage through guard gates, runoff from small areas tributary to canal upstream from station, or diversion for use downstream in the Canal system.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 874 ft<sup>3</sup>/s, Dec. 3, 1969, maximum instantaneous discharge not determined; no significant flow at times in many years.

## 04219000 ERIE (BARGE) CANAL AT LOCK 30, MACEDON, NY—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	222	202	136	---	---	---	---	---	231	313	291	311
2	224	191	199	---	---	---	---	---	234	299	289	320
3	226	169	196	---	---	---	---	---	244	296	284	294
4	221	155	189	---	---	---	---	124	222	285	299	282
5	231	155	174	---	---	---	---	167	223	300	301	280
6	228	164	171	---	---	---	---	172	222	300	284	293
7	229	162	126	---	---	---	---	172	224	297	289	305
8	244	164	25	---	---	---	---	173	225	307	292	311
9	224	165	---	---	---	---	---	174	238	283	302	300
10	219	165	---	---	---	---	---	221	234	291	295	312
11	222	167	---	---	---	---	---	234	223	293	308	311
12	219	169	---	---	---	---	---	240	223	292	311	314
13	212	172	---	---	---	---	---	236	219	296	296	311
14	209	174	---	---	---	---	---	224	221	308	291	313
15	211	174	---	---	---	---	---	228	229	304	293	307
16	217	176	---	---	---	---	---	227	243	287	301	305
17	214	284	---	---	---	---	---	237	227	292	303	302
18	214	293	---	---	---	---	---	226	223	294	311	306
19	211	242	---	---	---	---	---	217	222	297	311	307
20	215	236	---	---	---	---	---	230	229	292	294	304
21	222	216	---	---	---	---	---	222	223	298	287	311
22	221	127	---	---	---	---	---	224	225	308	297	327
23	218	89	---	---	---	---	---	227	240	293	295	302
24	215	89	---	---	---	---	---	229	239	284	301	292
25	223	90	---	---	---	---	---	233	272	296	301	271
26	210	89	---	---	---	---	---	246	291	284	304	278
27	192	88	---	---	---	---	---	237	291	299	306	270
28	190	89	---	---	---	---	---	231	305	307	295	294
29	194	93	---	---	---	---	---	229	301	300	299	296
30	194	87	---	---	---	---	---	230	305	291	299	288
31	192	---	---	---	---	---	---	237	---	286	304	---
<b>Total</b>	6,683	4,836	---	---	---	---	---	---	7,248	9,172	9,233	9,017
<b>Mean</b>	216	161	---	---	---	---	---	---	242	296	298	301
<b>Max</b>	244	293	---	---	---	---	---	---	305	313	311	327
<b>Min</b>	190	87	---	---	---	---	---	---	219	283	284	270