

**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.--Records fair. Missing record Oct. - Nov. due to recorder failure. 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.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 294 ft<sup>3</sup>/s, July 18; minimum daily discharge, 36 ft<sup>3</sup>/s, July 7. Maximum and minimum instantaneous discharges not determined.

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

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	131	148	241	273	259
2	---	---	---	---	---	---	---	142	134	236	271	265
3	---	---	---	---	---	---	---	143	205	241	279	259
4	---	---	---	---	---	---	---	145	275	231	275	255
5	---	---	---	---	---	---	---	138	273	243	283	267
6	---	---	---	---	---	---	---	144	283	91	284	264
7	---	---	---	---	---	---	---	145	272	36	285	267
8	---	---	---	---	---	---	---	140	267	37	279	252
9	---	---	---	---	---	---	---	137	274	81	279	254
10	---	---	---	---	---	---	---	139	278	209	279	268
11	---	---	---	---	---	---	---	146	278	272	274	287
12	---	---	---	---	---	---	---	152	284	274	288	278
13	---	---	---	---	---	---	---	141	275	275	277	280
14	---	---	---	---	---	---	---	136	276	270	275	272
15	---	---	---	---	---	---	---	140	164	280	277	273
16	---	---	---	---	---	---	---	143	37	275	278	281
17	---	---	---	---	---	---	---	142	87	277	268	271
18	---	---	---	---	---	---	---	142	238	294	265	272
19	---	---	---	---	---	---	---	148	241	286	272	282
20	---	---	---	---	---	---	---	156	243	281	263	284
21	---	---	---	---	---	---	---	154	247	279	265	273
22	---	---	---	---	---	---	---	147	231	290	274	278
23	---	---	---	---	---	---	---	145	228	283	267	280
24	---	---	---	---	---	---	---	164	234	283	259	274
25	---	---	---	---	---	---	---	148	237	280	265	282
26	---	---	---	---	---	---	---	152	242	280	255	282
27	---	---	---	---	---	---	---	141	237	273	256	289
28	---	---	---	---	---	---	---	154	243	281	260	273
29	---	---	---	---	---	---	---	154	233	271	268	277
30	---	---	---	---	---	---	---	151	236	271	263	268
31	---	---	---	---	---	---	---	139	---	271	261	---
<b>Total</b>	---	---	---	---	---	---	---	4,499	6,900	7,492	8,417	8,166
<b>Mean</b>	---	---	---	---	---	---	---	145	230	242	272	272
<b>Max</b>	---	---	---	---	---	---	---	164	284	294	288	289
<b>Min</b>	---	---	---	---	---	---	---	131	37	36	255	252