

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. No estimated daily discharges. 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 ft³/s, Dec. 3, 1969, maximum instantaneous discharge not determined; no significant flow at times in many years.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 330 ft³/s, July 5; minimum daily discharge, 150 ft³/s, Nov. 17. 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 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	270	203	---	---	---	---	---	---	287	295	243	277
2	269	203	---	---	---	---	---	---	276	307	266	281
3	286	201	---	---	---	---	---	---	248	305	277	279
4	268	201	---	---	---	---	---	---	271	325	294	285
5	266	203	---	---	---	---	---	---	292	330	295	289
6	264	203	---	---	---	---	---	---	286	318	308	280
7	258	200	---	---	---	---	---	---	283	318	303	267
8	259	200	---	---	---	---	---	---	269	323	286	272
9	252	206	---	---	---	---	---	---	271	329	305	268
10	262	201	---	---	---	---	---	---	272	280	305	266
11	259	201	---	---	---	---	---	---	272	279	304	275
12	252	202	---	---	---	---	---	---	284	277	304	264
13	253	181	---	---	---	---	---	---	261	275	305	266
14	259	173	---	---	---	---	---	---	263	276	315	272
15	258	173	---	---	---	---	---	---	260	267	302	268
16	257	175	---	---	---	---	---	---	268	284	301	269
17	255	150	---	---	---	---	---	---	279	270	300	273
18	267	171	---	---	---	---	---	---	271	280	312	278
19	248	---	---	---	---	---	---	---	273	259	296	279
20	246	---	---	---	---	---	---	---	267	274	317	280
21	250	---	---	---	---	---	---	---	286	291	307	286
22	253	---	---	---	---	---	---	---	284	299	298	273
23	245	---	---	---	---	---	---	---	284	309	289	271
24	240	---	---	---	---	---	---	---	286	298	259	273
25	236	---	---	---	---	---	---	---	289	265	261	267
26	214	---	---	---	---	---	---	---	301	275	265	262
27	204	---	---	---	---	---	---	---	294	248	273	256
28	208	---	---	---	---	---	---	---	301	254	298	247
29	206	---	---	---	---	---	---	---	294	257	283	252
30	213	---	---	---	---	---	---	---	294	262	273	251
31	203	---	---	---	---	---	---	---	---	262	281	---
Total	7,680	---	---	---	---	---	---	---	8,366	8,891	9,025	8,126
Mean	248	---	---	---	---	---	---	---	279	287	291	271
Max	286	---	---	---	---	---	---	---	301	330	317	289
Min	203	---	---	---	---	---	---	---	248	248	243	247