

Water-Data Report 2012

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

Oswego Basin
Seneca Subbasin

LOCATION.--Lat 43°04'20", long 77°17'44" referenced to North American Datum of 1983, 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.--See REMARKS.

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, 333 ft³/s, Sept. 6; minimum daily discharge, 150 ft³/s, May 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 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	231	202	---	---	---	---	---	154	231	306	214	285
2	230	197	---	---	---	---	---	157	247	299	219	279
3	239	191	---	---	---	---	---	154	237	313	209	270
4	226	189	---	---	---	---	---	156	240	305	209	307
5	229	186	---	---	---	---	---	155	231	326	198	326
6	239	184	---	---	---	---	---	152	236	316	201	333
7	233	185	---	---	---	---	---	150	242	327	195	306
8	238	184	---	---	---	---	---	168	254	314	196	263
9	231	183	---	---	---	---	---	193	261	308	190	263
10	237	175	---	---	---	---	---	189	266	303	186	291
11	221	168	---	---	---	---	---	187	250	305	212	286
12	217	167	---	---	---	---	---	182	241	321	247	284
13	212	158	---	---	---	---	---	180	266	331	286	274
14	215	155	---	---	---	---	---	194	275	310	263	279
15	211	153	---	---	---	---	---	212	284	314	265	272
16	215	152	---	---	---	---	---	231	272	309	264	268
17	211	172	---	---	---	---	---	233	264	302	258	270
18	209	174	---	---	---	---	---	235	265	298	268	278
19	208	---	---	---	---	---	---	242	265	313	259	273
20	212	---	---	---	---	---	---	244	268	306	304	282
21	216	---	---	---	---	---	---	246	262	323	321	279
22	216	---	---	---	---	---	---	243	269	306	318	272
23	212	---	---	---	---	---	---	245	262	308	313	276
24	210	---	---	---	---	---	---	243	256	311	320	275
25	209	---	---	---	---	---	---	242	258	314	296	266
26	208	---	---	---	---	---	---	243	253	313	289	275
27	211	---	---	---	---	---	---	244	275	314	306	278
28	209	---	---	---	---	---	---	242	292	298	294	274
29	207	---	---	---	---	---	---	237	304	291	295	272
30	207	---	---	---	---	---	---	240	313	297	296	273
31	202	---	---	---	---	---	---	235	---	247	278	---
Total	6,771	---	---	---	---	---	---	6,428	7,839	9,548	7,969	8,429
Mean	218	---	---	---	---	---	---	207	261	308	257	281
Max	239	---	---	---	---	---	---	246	313	331	321	333
Min	202	---	---	---	---	---	---	150	231	247	186	263