

Water-Data Report 2013

04247000 ONEIDA RIVER NEAR EUCLID, NY

Oswego Basin
Oneida Subbasin

LOCATION.--Lat 43°12'18", long 76°13'04" referenced to North American Datum of 1983, Oswego County, NY, Hydrologic Unit 04140202, on right bank, 50 ft downstream of Morgan Road bridge, 9.2 mi downstream from Oneida Lake, 1.3 mi north of Euclid, and 7.7 mi upstream from mouth at Three Rivers.

DRAINAGE AREA.--1,439 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 1996 to current year. Records for September 1902 to December 1909, published as "Oneida River near Euclid," and January 1910 to December 1912 and October 1947 to September 1998, published as "Oneida River at Caughdenoy" (station 04246500) at site 7.6 mi upstream, are not equivalent because of regulation between sites.

GAGE.--Acoustic velocity meter and water-stage recorder. Datum of gage is 358.08 ft above NGVD of 1929.

COOPERATION.--Records of gate openings, lockages, and elevations of water surface in Erie (Barge) Canal above and below Lock 23, furnished by New York State Thruway Authority, Office of Canals.

REMARKS.--Records fair. No estimated daily discharges. Considerable seasonal regulation by operation of gates in Oneida River and Erie (Barge) Canal with a large amount of natural storage in Oneida Lake. Water may be diverted into or received from Mohawk River basin through summit level of Erie (Barge) Canal between New London and Utica. Nearly all of flow from 14 mi² of Tioughnioga River basin may be diverted into De Ruyter Reservoir, in Oswego River basin. Telephone and satellite gage-height and velocity telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 10,600 ft³/s, May 1, 2011; minimum daily discharge, -52 ft³/s, June 1, 2006. Maximum and minimum instantaneous discharges not determined.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 7,560 ft³/s, Apr. 22; minimum daily discharge, 129 ft³/s, Nov. 2. Maximum and minimum instantaneous discharges not determined.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	182	176	1,030	4,580	4,870	3,700	472	483	3,580	6,430	5,670	1,240
2	327	129	1,040	4,350	5,210	3,700	500	481	2,350	6,560	4,380	1,310
3	287	168	2,200	4,480	5,420	3,670	2,590	619	2,180	6,570	3,190	1,360
4	326	145	3,190	4,330	5,320	3,630	5,280	527	3,480	6,570	2,550	1,350
5	309	1,120	3,870	4,230	5,290	3,560	5,320	594	4,860	6,650	1,100	1,600
6	201	2,170	5,140	4,100	5,170	3,520	5,340	528	5,310	6,660	445	1,830
7	252	2,120	5,010	3,940	4,480	3,480	5,240	1,490	6,100	6,780	496	1,760
8	337	2,020	4,950	3,690	4,990	3,370	5,070	2,120	5,700	6,560	534	1,750
9	1,230	2,100	4,800	3,730	4,050	3,330	4,920	1,980	5,560	6,560	1,160	1,740
10	2,160	2,040	4,950	3,650	4,270	3,420	5,390	2,030	5,860	6,480	1,090	1,800
11	2,130	1,480	5,030	3,620	4,560	3,580	5,950	2,080	5,730	6,330	405	1,990
12	2,110	977	5,030	3,550	4,460	4,090	7,170	1,950	5,560	6,210	575	2,220
13	2,050	968	4,940	3,840	4,330	4,060	6,920	1,950	6,640	4,680	515	2,140
14	2,070	902	4,780	4,240	4,260	4,150	6,980	2,050	7,200	2,170	407	2,160
15	2,120	922	4,710	4,260	4,240	4,240	7,330	1,220	7,080	2,160	433	2,220
16	2,080	948	5,010	4,270	4,120	4,260	7,120	537	7,030	2,200	514	1,260
17	3,790	935	4,640	4,150	4,000	4,210	7,150	639	6,930	1,890	468	290
18	4,770	878	4,790	4,180	3,920	4,200	7,480	637	6,060	1,550	513	373
19	4,600	881	4,980	4,050	3,850	4,150	7,300	721	4,880	1,630	550	393
20	4,340	1,020	5,370	3,680	3,730	4,010	7,150	621	4,780	1,490	610	458
21	4,260	1,020	5,690	4,140	3,650	3,960	7,550	1,440	4,720	1,480	665	477
22	4,380	978	5,340	3,900	3,490	3,890	7,560	3,050	4,700	1,490	611	1,460
23	3,790	991	5,770	3,920	3,440	3,810	7,390	4,990	2,630	1,510	541	2,470
24	1,830	982	5,830	3,720	3,330	3,770	7,030	5,740	1,280	941	453	769
25	947	1,030	5,760	3,680	3,240	2,200	6,620	5,650	2,170	541	437	334
26	891	1,620	5,720	3,440	3,220	571	6,500	3,580	4,370	560	417	754
27	1,010	2,130	5,510	3,310	3,360	660	6,350	2,040	5,870	602	1,380	702
28	806	2,150	5,260	3,320	3,500	699	6,130	3,010	6,040	732	1,930	457
29	743	1,460	5,190	3,300	---	645	2,770	4,640	6,450	912	1,950	433
30	541	1,050	4,790	3,630	---	547	410	5,170	6,430	1,780	1,520	434
31	278	---	4,820	4,680	---	485	---	5,380	---	4,480	1,240	---
Total	55,147	35,510	145,140	121,960	117,770	97,567	168,982	67,947	151,530	111,158	36,749	37,534
Mean	1,779	1,184	4,682	3,934	4,206	3,147	5,633	2,192	5,051	3,586	1,185	1,251
Max	4,770	2,170	5,830	4,680	5,420	4,260	7,560	5,740	7,200	6,780	5,670	2,470
Min	182	129	1,030	3,300	3,220	485	410	481	1,280	541	405	290

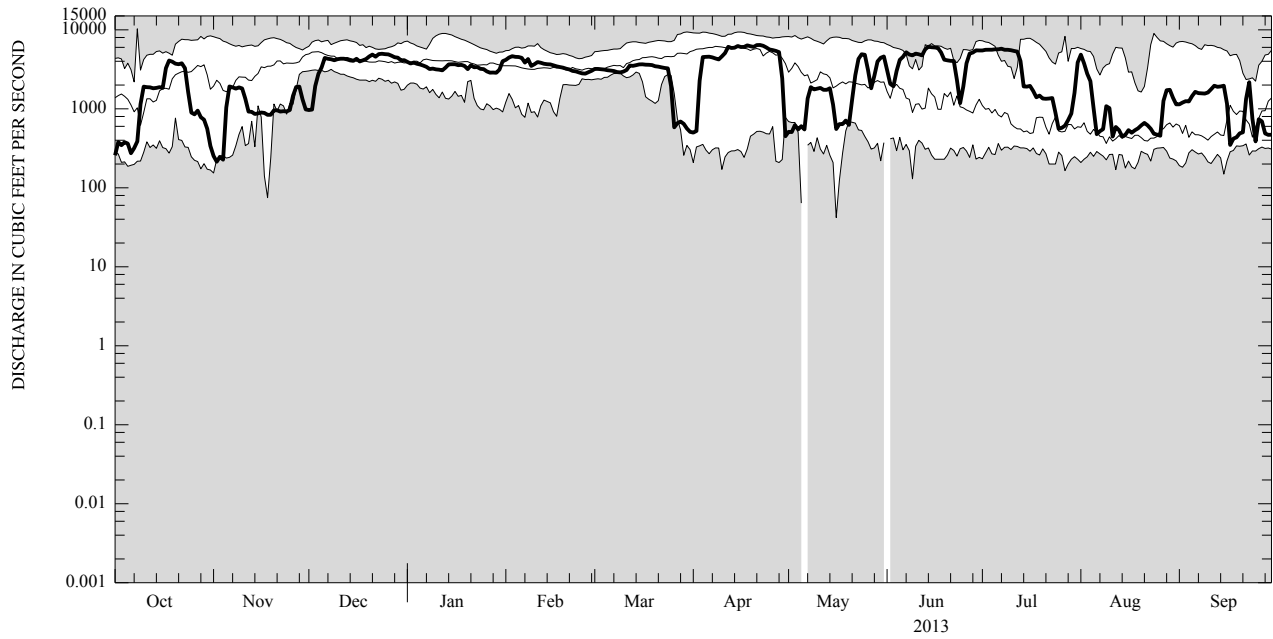
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	2,381	3,055	4,632	4,077	3,471	4,374	5,161	2,966	2,062	1,431	1,082	1,246
Max	5,465	6,804	6,283	6,199	4,999	6,523	8,277	7,123	5,051	4,738	2,306	4,271
(WY)	(2011)	(2007)	(2005)	(1998)	(2006)	(2011)	(2007)	(2011)	(2013)	(2006)	(2004)	(2004)
Min	688	1,184	2,578	2,519	2,414	2,524	1,580	1,146	469	261	261	281
(WY)	(1999)	(2013)	(1999)	(2002)	(2011)	(2012)	(2012)	(1999)	(1999)	(2012)	(1999)	(2012)

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SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1997 - 2013	
Annual total	768,760		1,146,994			
Annual mean	2,100		3,142		2,997	
Highest annual mean					4,074 2011	
Lowest annual mean					1,839 1999	
Highest daily mean	6,290	May 9	7,560	Apr 22	10,600	May 1, 2011
Lowest daily mean	79	Apr 10	129	Nov 2	-52	Jun 1, 2006
Annual seven-day minimum	200	Jun 30	269	Oct 1	187	Oct 26, 1998
10 percent exceeds	4,960		6,110		5,960	
50 percent exceeds	1,250		3,360		2,860	
90 percent exceeds	227		498		391	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.
 ZERO OR NEGATIVE FLOWS ARE PLOTTED AS 0.001 DISCHARGE, WHICH MAY INCLUDE THE LOWEST DAILY MEAN FOR PERIOD OF RECORD.