

**04249000 OSWEGO RIVER AT LOCK 7, OSWEGO, NY**

Oswego Basin  
Oswego Subbasin

LOCATION.--Lat 43°27'06", long 76°30'20" referenced to North American Datum of 1927, Oswego County, NY, Hydrologic Unit 04140203, on right bank at New York State Barge Canal (Oswego Canal) Lock 7 in Oswego, 0.8 mi upstream from mouth.

DRAINAGE AREA.--5,100 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1900 to April 1906, October 1933 to current year. Monthly discharge only for some periods, published in WSP 1307. Prior to January 1904, published as "above Minetto" or "near Minetto." January 1904 to April 1906, published as "at Battle Island." Records for April 1897 to September 1900, published in WSP 65 and for October 1927 to September 1928, published in WSP 644, have been found to be unreliable and should not be used.

REVISED RECORDS.--WDR NY 78-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 245.12 ft above NGVD of 1929. Prior to 1933, nonrecording gage at site about 6 mi upstream at different datum.

COOPERATION.--Records of lockages at Lock 7 furnished by New York State Thruway Authority, record of elevations of Lake Ontario by U.S. Army Corps of Engineers, daily discharge records for Oswego River High Dam upstream by Niagara Mohawk Power Corp.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Prior to 1933 and subsequent to 1972, flow in Oswego (Barge) Canal not included. A large amount of natural storage and some artificial regulation is afforded by the many large lakes and the Erie (Barge) and Oswego (Barge) Canal systems in the river basin. Large diurnal fluctuations at low and medium flow caused by powerplants upstream from station. Oswego River basin receives water from Erie (Barge) Canal through Lock 32 near Pittsford. Water may be diverted into or received from Mohawk River basin through Erie (Barge) Canal between New London and Utica. During part of year, entire flow from 45.5 mi<sup>2</sup> of Mud Creek drainage area may be diverted from Chemung River basin into Keuka Lake in Oswego River basin. Nearly all of the flow from 14 mi<sup>2</sup> of the Tioughnioga River basin may be diverted into De Ruyter Reservoir, in Oswego River basin. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,500 ft<sup>3</sup>/s, Mar. 28, 1936, includes daily mean discharge of canals; maximum gage height, 13.46 ft, Apr. 10, 1940; minimum discharge (river only), 30 ft<sup>3</sup>/s, Nov. 6, 1944.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,000 ft<sup>3</sup>/s, Mar. 24, gage height, 8.85 ft; minimum discharge, 403 ft<sup>3</sup>/s, Sept. 3, 7, gage height, 1.79 ft.

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3,270	8,940	8,760	8,280	9,650	5,180	14,600	5,570	2,500	6,690	1,730	5,910
2	5,910	9,590	8,790	8,260	9,780	6,190	13,300	5,740	3,110	4,300	1,810	6,260
3	6,830	9,360	8,150	7,130	10,000	6,520	12,700	5,730	2,490	2,670	1,600	3,420
4	4,270	7,520	8,010	7,220	10,700	7,210	11,700	4,530	3,140	2,430	1,620	1,720
5	5,330	6,090	9,230	7,040	10,500	7,200	10,400	4,420	3,160	1,390	1,930	1,260
6	6,270	7,120	9,730	6,220	9,610	7,430	7,440	6,150	6,380	1,970	2,100	1,160
7	4,660	6,380	9,820	5,470	7,550	7,290	4,240	7,440	9,210	2,780	2,100	1,080
8	4,030	6,940	10,300	5,490	7,120	7,210	3,730	7,420	7,900	3,190	1,660	1,090
9	5,690	7,450	10,400	e5,380	6,190	7,350	3,960	7,430	7,610	4,390	1,390	1,080
10	6,660	7,550	10,500	e5,290	6,080	8,450	3,600	7,940	5,690	7,530	1,900	1,330
11	8,020	7,170	9,760	5,310	4,950	10,400	3,630	8,310	5,920	5,480	1,660	1,240
12	5,470	6,410	9,200	5,320	5,370	13,300	2,960	7,120	5,240	4,690	999	1,210
13	4,090	2,400	9,340	5,100	5,600	14,900	1,210	6,620	6,290	3,660	1,020	1,030
14	2,880	1,120	9,880	5,700	5,530	16,100	1,690	8,330	7,260	2,330	1,220	2,580
15	2,310	1,730	9,520	6,100	5,200	15,800	3,880	8,820	6,300	2,020	1,050	3,310
16	1,150	2,070	9,090	6,130	4,610	15,800	1,840	8,310	4,680	3,550	1,380	2,590
17	979	2,540	8,730	6,390	4,520	15,600	3,520	6,640	4,810	2,330	1,470	2,090
18	1,480	1,230	7,790	6,630	4,510	14,700	2,990	7,250	7,860	1,400	1,540	2,750
19	3,780	1,240	6,870	6,930	4,750	13,600	4,510	7,790	7,770	2,490	1,640	2,800
20	3,760	3,770	6,970	6,580	5,610	13,000	3,750	6,280	6,280	1,760	1,500	2,340
21	3,320	6,490	6,500	6,380	5,600	11,300	3,770	4,980	4,510	1,620	1,210	2,500
22	2,190	6,100	6,390	6,300	5,410	12,000	3,650	3,570	3,480	1,110	2,080	2,590
23	1,180	3,720	6,700	5,430	4,720	14,400	3,450	2,720	5,580	1,880	13,200	2,200
24	1,740	1,640	6,710	5,960	4,960	16,100	3,160	1,650	8,010	5,480	14,300	2,390
25	3,590	2,880	6,070	9,930	5,510	15,900	2,010	1,080	5,490	10,500	13,000	3,500
26	6,880	2,590	6,380	15,300	5,460	15,300	1,900	1,850	3,240	11,400	11,700	2,310
27	5,360	3,340	8,400	15,300	5,340	15,300	1,960	1,510	2,740	9,930	10,500	2,200
28	3,220	5,800	10,100	14,200	5,400	15,100	1,850	2,760	4,730	8,350	8,950	3,710
29	7,080	6,030	9,250	12,900	---	14,700	1,680	2,540	8,160	2,250	8,310	3,480
30	9,290	6,180	9,510	11,700	---	13,700	3,680	2,140	7,610	1,680	7,710	9,070
31	9,400	---	8,490	11,900	---	14,500	---	2,500	---	1,650	6,950	---
<b>Total</b>	140,089	151,390	265,340	241,270	180,230	371,530	142,760	165,140	167,150	122,900	129,229	80,200
<b>Mean</b>	4,519	5,046	8,559	7,783	6,437	11,980	4,759	5,327	5,572	3,965	4,169	2,673
<b>Max</b>	9,400	9,590	10,500	15,300	10,700	16,100	14,600	8,820	9,210	11,400	14,300	9,070
<b>Min</b>	979	1,120	6,070	5,100	4,510	5,180	1,210	1,080	2,490	1,110	999	1,030

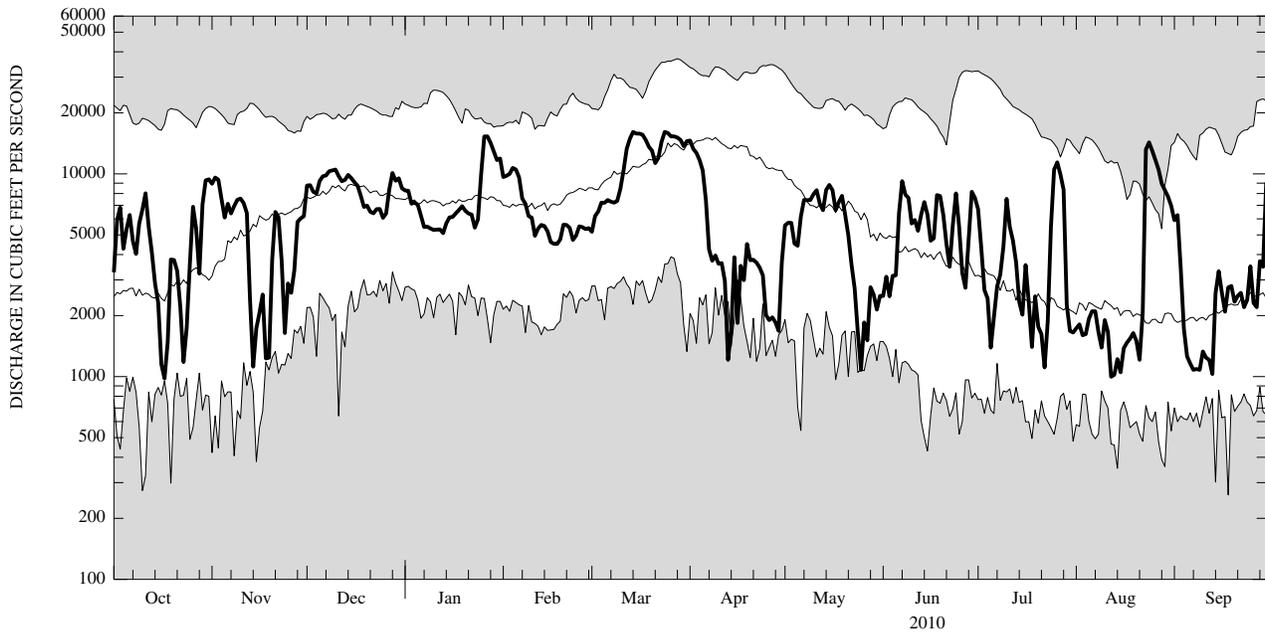
**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2010, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	3,990	6,367	8,801	8,263	8,051	11,690	13,060	8,083	5,061	3,487	2,570	2,780
<b>Max</b>	17,950	16,070	17,920	16,970	15,130	21,720	30,250	20,350	17,000	19,660	8,951	12,360
<b>(WY)</b>	(1978)	(1978)	(1978)	(1998)	(1976)	(1979)	(1993)	(1943)	(1947)	(1972)	(1992)	(2004)
<b>Min</b>	1,173	1,167	2,917	2,610	2,547	3,914	2,757	1,993	1,383	1,113	836	760
<b>(WY)</b>	(1940)	(1965)	(1940)	(1963)	(1963)	(1983)	(1995)	(1995)	(1995)	(1995)	(1934)	(1995)

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SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 1934 - 2010	
<b>Annual total</b>	2,523,980		2,157,228			
<b>Annual mean</b>	6,915		5,910		6,879	
<b>Highest annual mean</b>					11,030	1976
<b>Lowest annual mean</b>					3,433	1965
<b>Highest daily mean</b>	20,100	Mar 12	16,100	Mar 14	37,000	Mar 28, 1936
<b>Lowest daily mean</b>	931	Jun 6	979	Oct 17	261	Sep 18, 1985
<b>Annual seven-day minimum</b>	1,410	Jul 17	1,150	Sep 7	697	Sep 4, 1995
<b>10 percent exceeds</b>	13,200		10,600		14,600	
<b>50 percent exceeds</b>	6,380		5,530		5,340	
<b>90 percent exceeds</b>	1,540		1,640		1,590	



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.