

**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, 23,000 ft<sup>3</sup>/s, Dec. 29, gage height, 9.87 ft; minimum discharge, 496 ft<sup>3</sup>/s, Sept. 3, gage height, 1.85 ft.

## 04249000 OSWEGO RIVER AT LOCK 7, OSWEGO, NY—Continued

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,510	11,000	11,300	19,200	6,000	10,700	10,700	e3,570	e6,030	5,560	e2,310	3,870
2	1,690	9,560	13,400	18,000	6,060	e9,800	9,380	e3,570	e2,870	6,460	e3,570	3,380
3	1,630	9,910	13,000	16,800	5,300	e9,200	11,100	6,900	e2,470	7,430	6,060	e1,660
4	1,770	10,000	12,700	14,900	5,330	e7,700	12,800	6,560	e1,580	8,080	5,250	e1,510
5	1,660	9,930	12,500	14,500	5,580	6,790	17,500	e4,610	e1,430	7,160	e4,060	2,270
6	1,730	8,650	11,900	14,000	6,010	6,770	19,600	e3,740	e931	e5,530	e2,370	1,840
7	1,360	6,920	10,900	13,100	6,170	7,010	19,600	e3,620	e1,220	e5,060	e1,140	1,190
8	1,420	5,890	10,000	14,000	6,230	13,200	19,500	e3,880	e1,750	e4,860	e1,250	1,390
9	1,590	5,870	10,200	14,300	7,290	17,600	18,900	6,590	e2,270	e5,260	e1,850	1,840
10	1,320	6,220	9,900	13,400	7,870	19,000	18,000	7,510	e2,230	e3,810	6,470	1,830
11	1,650	5,020	9,750	13,300	8,850	19,800	17,100	6,660	e1,710	e3,060	11,100	1,700
12	1,840	3,710	9,250	12,800	11,500	20,100	16,300	e5,910	e3,980	e3,410	9,010	1,620
13	1,840	3,500	9,340	12,900	17,300	19,700	13,200	e4,530	8,960	6,040	6,500	1,720
14	2,140	3,360	10,000	12,200	17,200	18,600	13,300	e4,160	9,290	7,150	5,100	1,630
15	2,190	4,430	10,400	12,300	16,100	17,600	12,600	e2,930	8,320	e4,500	4,550	1,430
16	3,900	7,010	12,100	10,600	15,500	15,700	11,100	e3,690	5,920	e2,140	4,300	1,860
17	4,890	8,310	13,200	9,840	14,700	15,000	7,720	8,090	e3,930	e1,200	4,030	1,290
18	4,490	9,270	12,500	10,900	13,400	13,000	6,440	10,600	e4,450	e1,730	3,600	1,410
19	5,020	9,490	12,000	11,100	12,500	14,300	e4,800	9,560	5,560	e1,480	e1,630	1,760
20	3,960	9,410	11,100	10,500	12,100	14,300	7,480	8,960	8,880	e1,260	e1,330	1,750
21	4,770	9,410	11,200	10,100	11,800	12,900	9,280	6,690	10,800	e1,330	e1,210	1,540
22	4,970	9,280	9,530	10,000	11,800	11,500	8,470	e4,320	10,800	e1,460	e1,080	1,500
23	4,050	9,520	9,610	9,380	11,700	11,100	6,740	e3,430	9,210	e1,390	e2,190	1,370
24	5,340	8,240	10,400	9,150	11,400	10,700	5,340	e3,640	7,290	e1,510	4,470	1,420
25	5,560	6,640	11,900	9,500	10,200	9,680	e3,690	e2,560	e5,000	e1,550	4,000	1,530
26	8,200	8,820	13,300	9,550	9,420	9,560	e4,110	e2,930	e4,660	e1,650	e2,020	1,260
27	8,140	10,400	13,800	9,180	9,020	9,290	5,970	e3,880	e4,190	e3,000	e1,110	1,320
28	9,550	9,810	18,100	7,950	9,810	8,780	8,280	e4,860	e3,980	e3,880	e1,360	2,160
29	13,700	9,330	21,200	6,640	---	9,000	8,190	7,840	e4,320	e2,830	e1,630	2,750
30	13,500	9,650	20,800	5,770	---	10,500	e4,970	6,800	e4,530	e2,150	e2,100	3,400
31	12,000	---	19,900	5,960	---	11,100	---	6,890	---	e2,350	2,890	---
<b>Total</b>	137,380	238,560	385,180	361,820	286,140	389,980	332,160	169,480	148,561	114,280	109,540	55,200
<b>Mean</b>	4,432	7,952	12,430	11,670	10,220	12,580	11,070	5,467	4,952	3,686	3,534	1,840
<b>Max</b>	13,700	11,000	21,200	19,200	17,300	20,100	19,600	10,600	10,800	8,080	11,100	3,870
<b>Min</b>	1,320	3,360	9,250	5,770	5,300	6,770	3,690	2,560	931	1,200	1,080	1,190

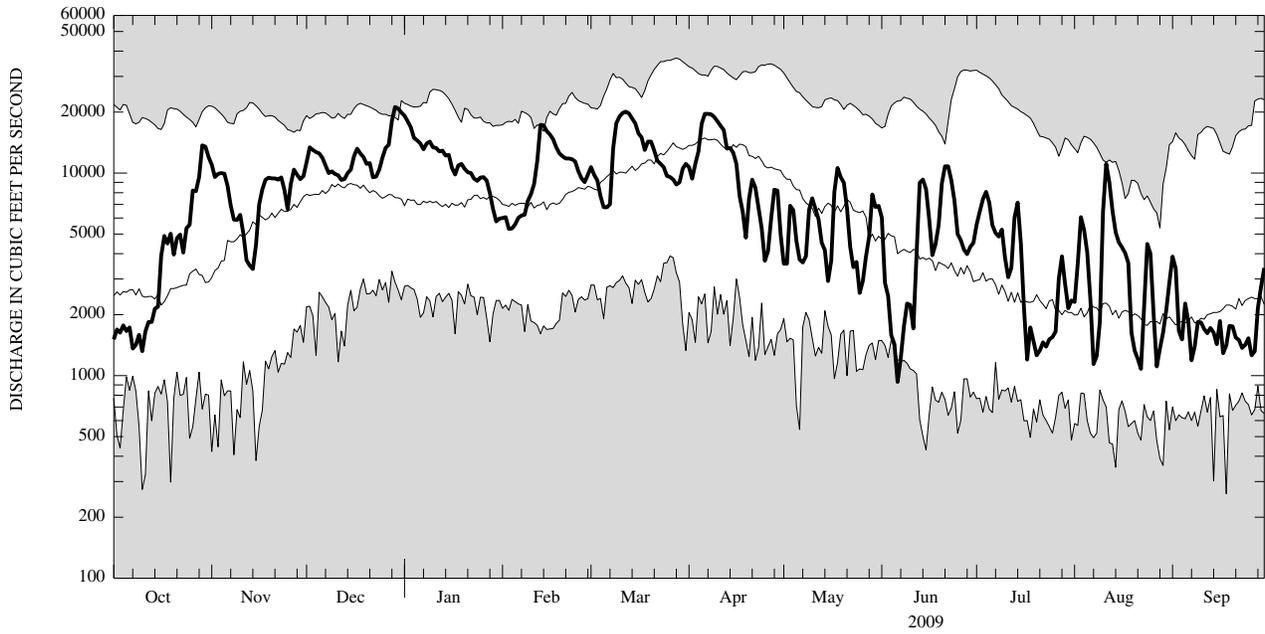
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	3,983	6,385	8,804	8,269	8,072	11,690	13,160	8,119	5,054	3,480	2,549	2,781
<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 2008		Water Year 2009		Water Years 1934 - 2009	
<b>Annual total</b>	2,956,140		2,728,281			
<b>Annual mean</b>	8,077		7,475		6,892	
<b>Highest annual mean</b>					11,030	1976
<b>Lowest annual mean</b>					3,433	1965
<b>Highest daily mean</b>	21,200	Dec 29	21,200	Dec 29	37,000	Mar 28, 1936
<b>Lowest daily mean</b>	390	Aug 28	931	Jun 6	261	Sep 18, 1985
<b>Annual seven-day minimum</b>	1,340	Sep 25	1,410	Jul 17	697	Sep 4, 1995
<b>10 percent exceeds</b>	16,400		13,900		14,700	
<b>50 percent exceeds</b>	7,540		6,740		5,340	
<b>90 percent exceeds</b>	1,660		1,590		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.