Water-Data Report 2013

04247055 OSWEGO RIVER NEAR PHOENIX, NY

Oswego Basin
Oswego Subbasin

LOCATION.--Lat 43°12'40.2", long 76°17'13.6" referenced to North American Datum of 1983, Oswego County, NY, Hydrologic Unit 04140203, on left bank behind Erie Canal maintenance facility, 0.75 mi northwest of confluence with Oneida River, and 1.5 mi south of Phoenix.

DRAINAGE AREA.--4,953 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2007 to current year.

GAGE.--Acoustic velocity meter and water-stage recorder. Datum of gage is 360.00 ft above NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated by Oswego River Canal Lock 1 and Algonquin Power Project. Telephone and satellite gage-height and velocity telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 26,500 ft^3/s, Apr. 29, 2011; minimum daily discharge, 201 ft^3/s, Apr. 17, 2012. Maximum and minimum instantaneous discharges not determined.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 17,200 ft^3/s, Apr. 15; minimum daily discharge, 527 ft^3/s, Oct. 6. 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
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e950	3,290	2,150	9,190	11,100	7,550	2,170	2,720	9,060	11,600	9,580	2,190
2	1,620	2,050	2,030	9,740	11,900	7,840	2,630	2,410	7,020	11,700	7,750	3,090
3	1,450	1,170	2,130	9,640	11,200	8,050	3,790	1,860	6,720	11,300	5,780	3,340
4	1,300	1,350	5,740	9,300	10,500	8,140	8,200	2,090	6,520	12,100	5,270	2,750
5	1,010	1,540	7,010	8,950	9,560	7,070	7,370	2,160	8,050	13,700	3,220	3,700
6	527	4,730	8,590	9,400	9,000	6,730	7,370	2,110	9,140	13,500	1,130	5,400
7	1,470	3,130	7,160	9,630	9,150	6,210	7,390	2,080	14,600	13,000	728	4,960
8	1,780	1,550	7,990	9,590	9,550	5,620	6,680	3,420	14,400	11,700	1,260	4,180
9	1,210	3,440	7,710	9,500	8,990	5,790	6,140	3,310	14,000	12,800	2,140	5,010
10	3,160	3,320	7,970	8,630	9,250	6,430	7,070	3,940	14,200	12,900	5,760	5,200
11	3,190	2,780	8,680	9,030	8,610	7,350	10,600	5,260	13,400	11,900	5,320	5,450
12	2,320	3,380	9,130	9,730	8,110	10,100	14,500	5,010	12,800	11,900	5,310	5,330
13	2,170	3,090	8,580	11,100	8,480	10,100	15,700	5,670	14,800	9,800	5,140	3,780
14	3,000	3,770	8,190	13,200	8,590	9,200	15,900	4,790	16,900	5,230	4,090	3,960
15	3,390	3,820	8,060	13,000	8,360	8,720	17,200	3,550	16,600	5,040	3,920	5,040
16	2,670	2,070	8,090	12,000	7,710	8,210	16,700	1,760	16,000	5,140	4,050	3,450
17	3,550	1,990	8,200	10,500	7,460	7,120	15,500	1,870	15,400	3,750	2,870	1,460
18	5,510	1,980	8,730	10,700	8,210	7,140	16,100	2,290	12,700	3,350	2,120	1,570
19	5,570	2,020	10,000	10,500	8,100	6,700	15,300	2,490	10,400	4,370	2,190	1,740
20	5,400	2,410	10,800	9,150	7,590	6,460	13,600	2,330	9,760	3,450	2,590	1,960
21	4,750	4,240	11,900	9,600	6,120	6,580	13,900	2,730	8,870	3,020	2,680	2,040
22	4,180	3,070	11,000	9,470	5,360	6,160	14,200	4,930	8,630	3,220	2,720	2,050
23	5,530	2,570	11,700	9,690	5,600	5,410	13,500	8,480	5,430	3,360	2,610	5,720
24	2,570	1,810	11,700	8,190	5,800	5,890	13,100	9,590	3,840	2,570	1,850	3,090
25	1,860	2,530	11,100	7,700	5,470	3,800	12,200	9,180	6,540	1,620	1,330	2,510
26	2,050	2,570	10,700	4,850	5,730	2,240	10,900	7,460	9,380	1,360	1,590	2,460
27	4,290	4,290	10,000	3,890	6,020	2,460	9,500	4,240	11,700	1,740	3,140	2,060
28	4,430	6,510	10,100	4,240	6,450	2,680	8,680	5,610	11,300	2,530	3,390	1,890
29	4,360	5,490	9,890	4,930	---	2,510	5,360	8,280	11,400	4,670	3,690	1,640
30	6,800	3,550	9,330	7,780	---	2,330	3,100	11,400	10,200	3,780	2,770	1,700
31	4,970	---	10,100	10,400	---	2,830	---	11,400	---	6,650	2,160	---
Total	97,037	89,510	264,460	283,220	227,970	193,420	314,350	144,420	329,760	222,750	108,148	98,720
Mean	3,130	2,984	8,531	9,136	8,142	6,239	10,480	4,659	10,990	7,185	3,489	3,291
Max	6,800	6,510	11,900	13,200	11,900	10,100	17,200	11,400	16,900	13,700	9,580	5,720
Min	527	1,170	2,030	3,890	5,360	2,240	2,170	1,760	3,840	1,360	728	1,460
Cfsm	0.63	0.60	1.72	1.84	1.64	1.26	2.12	0.94	2.22	1.45	0.70	0.66
In.	0.73	0.67	1.99	2.13	1.71	1.45	2.36	1.08	2.48	1.67	0.81	0.74

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2008 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	5,939	6,447	10,940	9,840	9,164	11,440	9,858	7,609	5,822	3,748	3,318	2,934
Max	11,310	8,674	13,260	12,260	13,540	18,570	18,770	18,970	10,990	7,185	4,640	6,462
(WY)	(2011)	(2012)	(2011)	(2008)	(2008)	(2011)	(2011)	(2011)	(2013)	(2013)	(2010)	(2011)
Min	3,130	2,984	8,395	6,585	6,464	5,586	2,872	4,659	2,702	1,165	1,142	1,018
(WY)	(2013)	(2013)	(2010)	(2011)	(2010)	(2012)	(2012)	(2013)	(2008)	(2012)	(2012)	(2012)

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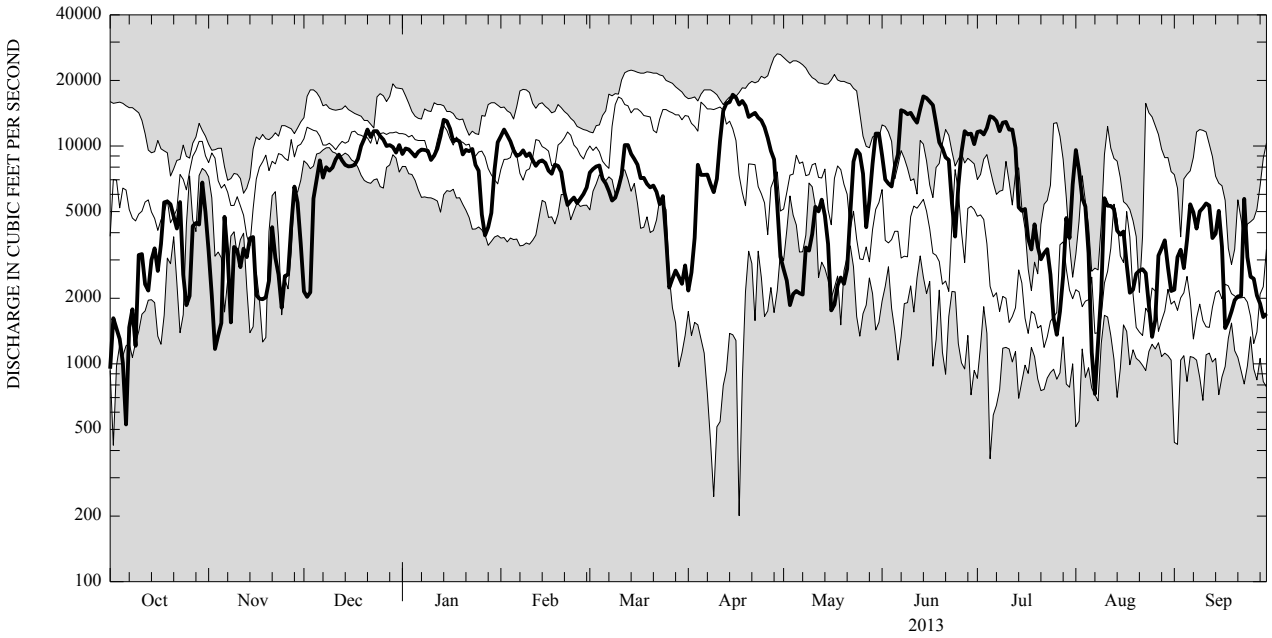
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 2008 - 2013	
Annual total	1,757,906		2,373,765			
Annual mean	4,803		6,503		7,252	
Highest annual mean					9,931	2011
Lowest annual mean					5,917	2012
Highest daily mean	15,800	Jan 29	17,200	Apr 15	26,500	Apr 29, 2011
Lowest daily mean	201	Apr 17	527	Oct 6	201	Apr 17, 2012
Annual seven-day minimum	600	Apr 7	1,190	Oct 1	600	Apr 7, 2012
Annual runoff (cfsm)	0.970		1.31		1.46	
Annual runoff (inches)	13.20		17.83		19.89	
10 percent exceeds	11,000		11,900		14,400	
50 percent exceeds	3,260		5,720		6,640	
90 percent exceeds	870		2,010		1,460	



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.