Water-Data Report 2013

04263000 OSWEGATCHIE RIVER NEAR HEUVELTON, NY

St. Lawrence Basin
Oswegatchie Subbasin

LOCATION.--Lat 44°35′58″, long 75°22′44″ referenced to North American Datum of 1983, St. Lawrence County, NY, Hydrologic Unit 04150302, on right bank 1.5 mi downstream from Beaver Creek, and 2.5 mi upstream from Heuvelton.

DRAINAGE AREA.--986 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 1916 to current year.

REVISED RECORDS.--WDR NY-82-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 288.85 ft above NGVD of 1929. Prior to Sept. 16, 1916, nonrecording gage at same site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Entire flow regulated by Cranberry Lake (station 04260990); slight diurnal fluctuation at low flow and medium flow caused by powerplants. During high stages on Grass River, part of flow of that stream may pass through Upper Lake, Indian Creek, and Lower Lake and enter Oswegatchie River at Rensselaer Falls, 4.5 mi upstream from station. In October 1973, a dike was installed on Indian Creek to prevent overflow of Grass River during high flows. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,600 ft^3/s, Apr. 6, 1960, gage height, 10.36 ft; minimum discharge, 99 ft^3/s, Aug. 4, 1991, gage height, 0.49 ft; minimum gage height, 0.42 ft, Sept. 11, 2002, but may have been lower during period of no gage-height record Sept. 7, 1960.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,010 ft^3/s, Apr. 14, gage height, 5.18 ft; maximum gage height, 5.21 ft, Jan. 16 (ice jam); minimum discharge, 440 ft^3/s, Aug. 28, gage height, 1.14 ft.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 04263000, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/04263000.2013.pdf

04263000 OSWEGATCHIE RIVER NEAR HEUVELTON, NY—Continued

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	551	1,080	697	e1,730	3,870	1,260	2,310	1,740	1,800	2,650	805	512
2	542	1,040	664	e1,680	4,750	1,440	2,750	1,530	1,880	2,530	701	502
3	716	1,190	725	e1,620	4,960	1,420	2,850	1,330	2,200	2,330	673	548
4	933	1,120	971	e1,540	4,660	1,360	2,610	1,200	2,370	2,890	725	712
5	981	1,110	1,450	e1,480	4,100	1,290	2,180	1,150	2,260	2,880	930	1,050
6	965	1,200	2,000	e1,410	3,140	1,230	1,930	1,080	2,060	2,510	1,050	1,070
7	981	1,250	2,230	e1,370	2,590	1,210	1,800	955	2,210	2,220	968	856
8	1,190	1,140	2,020	e1,320	1,930	1,230	1,700	875	2,600	2,300	929	761
9	1,390	1,050	1,810	e1,300	1,760	1,140	1,830	777	2,900	2,110	871	701
10	1,310	970	1,690	e1,290	1,690	1,060	2,430	747	2,780	2,010	701	684
11	1,080	935	1,990	e1,290	1,450	1,680	3,360	773	3,100	1,970	1,020	680
12	885	873	2,340	e1,360	1,460	3,950	4,110	917	4,230	2,280	1,690	924
13	824	809	2,340	e1,490	1,540	5,410	5,430	1,190	5,010	2,400	1,770	812
14	822	836	2,070	e1,780	1,560	5,770	5,980	1,230	5,150	1,950	1,800	751
15	807	986	1,860	e2,100	1,540	5,560	5,810	1,110	4,730	1,520	1,910	762
16	886	1,080	1,720	e2,490	1,500	4,820	5,250	1,100	3,990	1,220	1,910	841
17	1,140	1,020	1,570	e2,650	1,530	3,950	4,680	1,030	3,260	1,080	1,730	889
18	1,260	1,010	1,500	e2,570	1,570	3,090	4,580	978	2,750	991	1,460	823
19	1,140	959	e1,760	e2,210	1,330	2,440	4,700	877	2,410	897	1,060	1,050
20	1,220	879	e2,010	e1,930	1,300	2,150	4,790	737	1,740	877	1,040	1,000
21	1,510	885	e2,280	e1,750	1,320	1,930	4,780	668	1,450	712	846	810
22	1,800	868	e2,590	e1,500	1,240	1,770	4,910	742	1,190	607	684	903
23	1,860	767	e2,900	e1,400	1,240	1,630	4,760	1,430	1,030	611	688	1,020
24	1,750	749	e3,070	e1,310	1,200	1,520	4,130	2,160	951	592	723	1,090
25	1,500	741	e2,970	e1,230	1,210	1,450	3,450	2,930	892	580	727	1,200
26	1,280	755	e2,510	e1,140	1,060	1,410	2,800	3,610	833	555	681	1,090
27	1,250	779	1,830	e1,080	1,100	1,610	2,520	3,770	803	588	588	897
28	1,310	743	e1,810	e1,050	1,140	1,790	2,240	3,260	874	564	475	798
29	1,110	791	e1,800	e1,120	---	1,840	1,940	2,670	1,100	589	520	731
30	1,110	788	e1,780	e1,330	---	1,870	1,860	2,330	2,200	746	540	692
31	1,220	---	e1,750	e2,230	---	1,940	---	2,020	---	798	576	---
Total	35,323	28,403	58,707	49,750	57,740	70,220	104,470	46,916	70,753	46,557	30,791	25,159
Mean	1,139	947	1,894	1,605	2,062	2,265	3,482	1,513	2,358	1,502	993	839
Max	1,860	1,250	3,070	2,650	4,960	5,770	5,980	3,770	5,150	2,890	1,910	1,200
Min	542	741	664	1,050	1,060	1,060	1,700	668	803	555	475	502

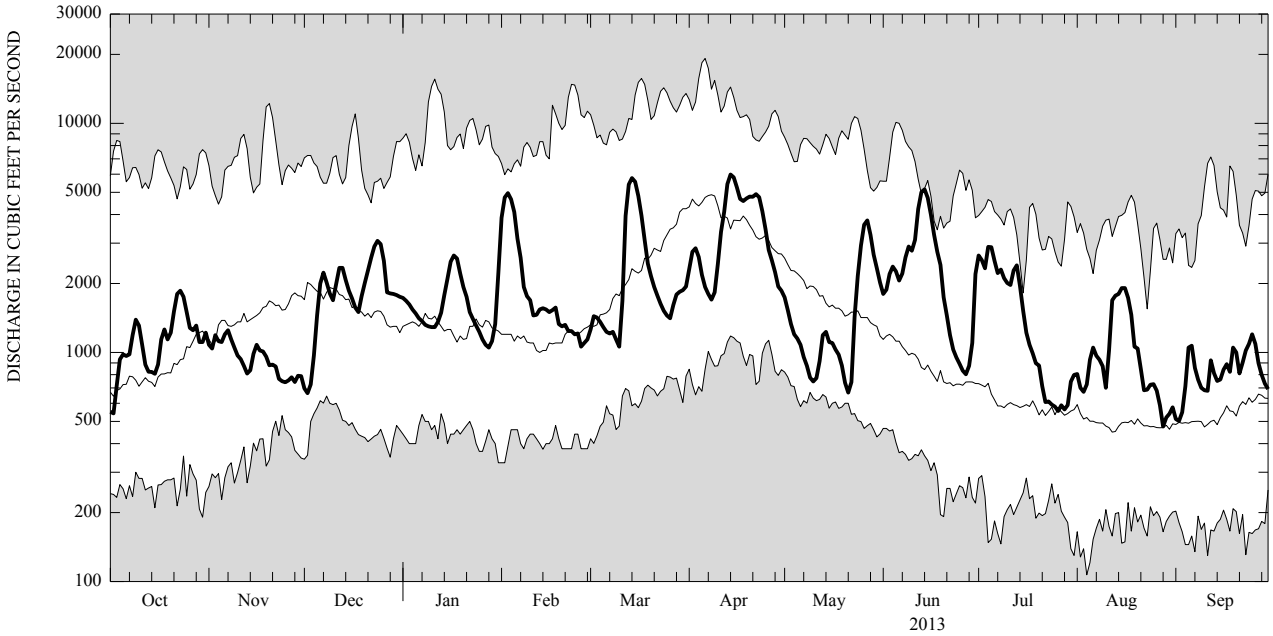
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,229	1,826	2,000	1,874	1,643	3,087	4,149	2,145	1,149	768	640	732
Max	4,358	4,284	4,522	5,369	4,800	6,327	8,867	5,572	4,481	2,096	2,196	2,510
(WY)	(2011)	(1928)	(1928)	(1930)	(1954)	(1977)	(1993)	(2011)	(1947)	(1947)	(1981)	(2004)
Min	327	552	582	507	538	972	1,167	620	391	319	222	230
(WY)	(1964)	(1957)	(1923)	(1961)	(1934)	(1940)	(1995)	(1941)	(1941)	(1965)	(2002)	(2007)

04263000 OSWEGATCHIE RIVER NEAR HEUVELTON, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1916 - 2013	
Annual total	471,010		624,789			
Annual mean	1,287		1,712		1,769	
Highest annual mean					2,952	1947
Lowest annual mean					1,029	1931
Highest daily mean	5,390	Mar 17	5,980	Apr 14	19,200	Apr 6, 1960
Lowest daily mean	264	Aug 30	475	Aug 28	107	Aug 4, 1991
Annual seven-day minimum	276	Aug 26	525	Aug 28	133	Jul 30, 1991
10 percent exceeds	2,600		3,120		4,000	
50 percent exceeds	1,010		1,330		1,150	
90 percent exceeds	331		725		437	



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.