04240508 SENECA RIVER (DOWNSTREAM OF ONONDAGA OUTLET) NEAR LIVERPOOL, NY

Oswego Basin
Seneca Subbasin

LOCATION.--Lat 43°07'33.8", long 76°15'08.3" referenced to North American Datum of 1927, Onondaga County, NY, Hydrologic Unit 04140201, on right bank 1,000 ft downstream of junction of Outlet of Onondaga Lake and Seneca River, in Long Branch Park, near State Highway 370, and 2.7 mi northwest of Liverpool.

DRAINAGE AREA.--3,446 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2003 to September 2009 (discontinued).

GAGE.--Acoustic velocity meter and water-stage recorder. Datum of gage is 300.00 ft above NGVD of 1929.

REMARKS.--No estimated daily discharges. Records fair. Considerable seasonal regulation by operation of gates in Seneca River and Erie (Barge) Canal. A large amount of natural storage and some artificial regulation is afforded by many large lakes and the Erie (Barge) Canal system in the river basin. Large diurnal fluctuations at low and medium flows caused by powerplants upstream from station. Seneca River basin receives water from Erie (Barge) Canal through Lock 32 near Pittsford. During part of year, entire flow from 45.5 mi^2 of Mud Creek drainage area may be diverted from Chemung River basin into Keuka Lake in Oswego River basin. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 7,850 ft^3/s, Apr. 8, 2005; minimum daily discharge, -77 ft^3/s, Oct. 2, 2007. Maximum and minimum instantaneous discharges not determined.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 6,210 ft^3/s, Dec. 29; minimum daily discharge, 121 ft^3/s, Sept. 17, Maximum and minimum instantaneous discharges not determined.

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	461	2,410	2,960	5,660	1,870	3,240	1,810	1,300	2,100	2,240	423	1,200
2	478	1,870	3,180	5,120	1,570	3,020	1,360	447	1,420	2,100	716	1,060
3	543	2,140	3,100	4,690	1,320	2,870	2,080	864	996	2,540	1,130	400
4	538	2,330	3,020	4,120	1,390	1,950	2,670	1,150	609	2,800	856	670
5	593	2,410	3,020	4,080	1,630	1,540	4,510	1,150	560	2,590	1,180	1,040
6	542	2,240	2,700	3,760	1,720	1,350	4,860	1,030	280	2,360	994	727
7	434	2,270	2,420	3,760	1,870	1,680	5,040	967	220	2,140	347	174
8	309	1,540	2,410	4,100	2,030	3,880	5,010	681	740	2,340	260	568
9	344	1,830	2,190	4,250	2,710	5,210	4,880	1,540	1,060	2,330	628	742
10	316	1,660	2,140	4,190	2,830	5,500	4,710	1,870	901	1,880	2,490	567
11	327	1,330	1,930	4,330	3,540	5,310	4,490	1,370	626	1,460	3,850	600
12	391	692	1,600	4,090	4,060	5,470	4,410	1,470	1,350	1,200	3,270	635
13	364	290	1,930	3,950	5,860	5,410	3,180	1,310	1,960	1,230	2,880	613
14	491	321	2,050	4,080	5,800	5,090	3,230	1,190	1,600	1,990	2,460	567
15	162	894	2,160	3,890	5,540	4,730	2,930	1,130	1,820	1,760	2,240	555
16	896	1,640	3,110	3,470	5,310	4,180	2,450	526	2,190	906	2,080	741
17	869	1,380	3,380	3,190	5,040	3,940	1,540	1,690	1,830	516	2,030	121
18	1,090	1,850	3,180	3,480	4,400	3,130	1,590	2,040	1,840	765	1,560	568
19	1,190	1,790	2,830	3,470	4,090	3,730	509	1,470	1,750	498	618	649
20	519	1,730	3,060	3,450	4,160	3,640	1,050	1,200	2,170	529	384	595
21	884	1,910	2,890	3,240	4,020	2,830	1,610	1,270	3,070	514	451	495
22	1,080	2,060	2,220	3,410	4,070	2,470	1,540	682	3,520	546	163	419
23	956	2,050	2,080	3,020	4,020	2,380	1,280	1,120	3,460	555	797	346
24	881	1,880	2,560	2,880	3,980	2,180	971	1,150	3,210	524	1,200	566
25	1,170	2,380	3,260	3,080	3,370	1,590	598	735	2,530	628	1,020	626
26	2,010	2,720	3,700	3,220	2,940	1,890	803	1,040	2,260	372	512	409
27	1,890	3,090	3,830	3,220	2,650	1,480	1,290	1,820	2,150	830	398	369
28	2,310	2,730	5,450	2,410	3,060	1,450	1,850	1,880	2,060	1,130	519	821
29	3,640	2,720	6,210	1,900	---	1,430	2,170	2,000	1,900	668	768	455
30	3,060	2,860	5,930	1,480	---	2,240	1,820	1,880	2,020	403	799	1,000
31	2,640	---	5,760	1,690	---	2,210	---	2,000	---	691	396	---
Total	31,378	57,017	96,260	110,680	94,850	97,020	76,241	39,972	52,202	41,035	37,419	18,298
Mean	1,012	1,901	3,105	3,570	3,388	3,130	2,541	1,289	1,740	1,324	1,207	610
Max	3,640	3,090	6,210	5,660	5,860	5,500	5,040	2,040	3,520	2,800	3,850	1,200
Min	162	290	1,600	1,480	1,320	1,350	509	447	220	372	163	121

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,573	2,599	3,709	3,891	3,351	3,641	3,632	2,005	1,549	1,558	1,073	1,455
Max	2,803	3,911	4,257	4,481	4,487	4,785	5,777	3,875	2,422	3,350	2,066	4,164
(WY)	(2007)	(2007)	(2004)	(2006)	(2006)	(2007)	(2005)	(2004)	(2004)	(2006)	(2004)	(2004)
Min	871	1,306	3,105	3,570	1,600	2,096	1,033	877	741	674	439	409
(WY)	(2008)	(2008)	(2009)	(2009)	(2004)	(2006)	(2006)	(2006)	(2007)	(2007)	(2007)	(2007)

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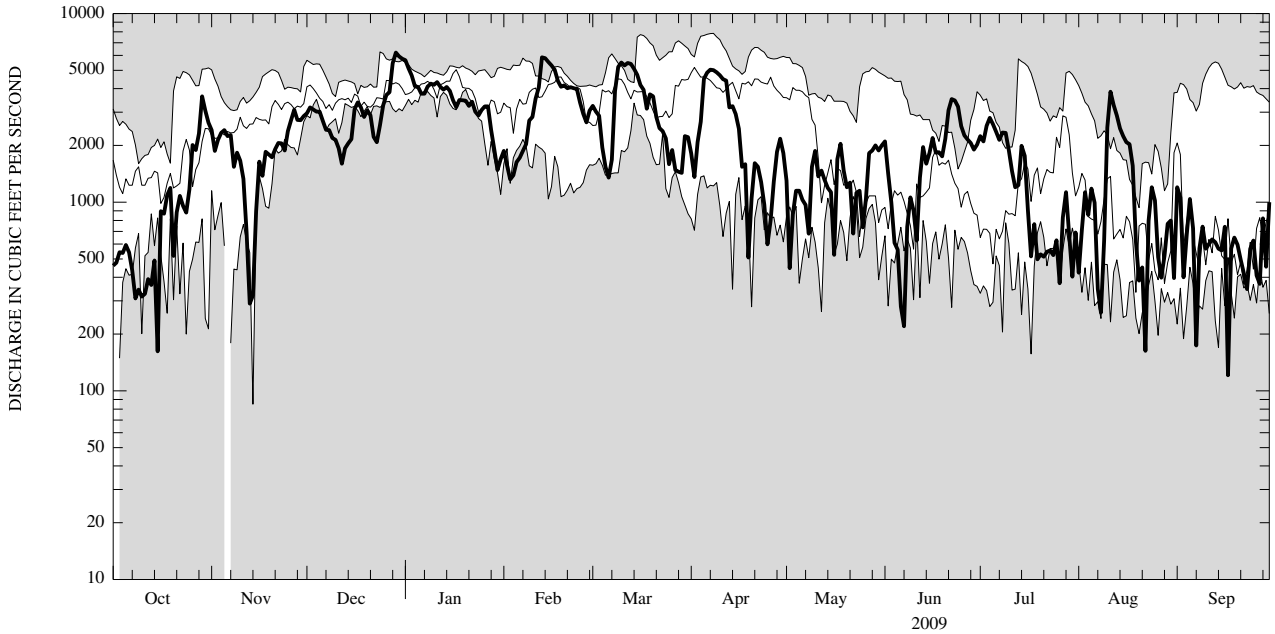
SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 2004 - 2009	
Annual total	799,673		752,372			
Annual mean	2,185		2,061		2,391	
Highest annual mean					2,679	2007
Lowest annual mean					2,061	2009
Highest daily mean	6,210	Dec 29	6,210	Dec 29	7,850	Apr 8, 2005
Lowest daily mean	162	Oct 15	121	Sep 17	-77	Oct 2, 2007
Annual seven-day minimum	342	Oct 9	342	Oct 9	298	Sep 3, 2007
10 percent exceeds	4,610		4,090		4,790	
50 percent exceeds	1,700		1,870		2,140	
90 percent exceeds	451		505		466	



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.