04262500 WEST BRANCH OSWEGATCHIE RIVER NEAR HARRISVILLE, NY

St. Lawrence Basin
Oswegatchie Subbasin

LOCATION.--Lat 44°11′08″, long 75°19′52″ referenced to North American Datum of 1927, St. Lawrence County, NY, Hydrologic Unit 04150302, on right bank just downstream from bridge on Osborne Road, 0.5 mi northeast of Geers Corners, 1.5 mi downstream from Big Creek, and 4.0 mi downstream from Harrisville.

DRAINAGE AREA.--258 mi^2.

SURFACE-WATER RECORDS

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

REVISED RECORDS.--WSP 784: 1934. WDR NY-82-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 738.51 ft above NGVD of 1929. Prior to Nov. 30, 1933, nonrecording gage at same site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Since June 1985, extensive diurnal fluctuation and slight regulation caused by powerplant upstream from station. Satellite and telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,700 ft^3/s, Jan. 9, 1998, gage height, 10.64 ft; minimum discharge prior to regulation, 25 ft^3/s, Sept. 1, 1934, gage height, 0.86 ft; minimum discharge since regulation, 20 ft^3/s, Aug. 11, 1985, gage height, 0.83 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,300 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 10	1345	*3,130	a*6.26

a Recorded; outside gage height was 6.56 ft, from crest-stage gage.

Minimum discharge, 43 ft^3/s, Oct. 2, gage height, 1.06 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	79	678	753	e749	e499	335	724	654	554	725	819	192
2	51	524	e718	e678	699	326	1,910	573	636	590	615	179
3	66	406	670	e615	914	328	2,410	532	564	462	656	159
4	61	337	e637	e553	1,020	442	2,200	485	487	390	753	154
5	57	301	e613	484	1,060	597	2,230	459	426	326	739	145
6	54	294	e575	458	1,290	751	2,350	415	439	261	796	138
7	52	330	527	537	1,440	867	2,340	372	517	215	1,230	146
8	53	364	474	932	1,350	885	2,430	378	505	184	1,540	155
9	61	349	422	2,180	1,170	927	2,560	395	414	166	1,650	173
10	78	320	386	3,040	970	1,080	2,660	370	338	152	1,470	191
11	98	292	368	2,720	746	1,150	2,660	336	350	139	1,170	213
12	126	268	e362	2,400	624	1,090	2,610	304	414	125	977	197
13	174	262	e357	2,140	546	920	2,940	275	378	177	805	250
14	243	258	e353	1,620	518	767	2,690	256	325	614	674	361
15	284	281	349	1,240	494	664	2,100	255	288	788	567	502
16	239	415	322	934	452	654	1,500	247	239	606	494	541
17	200	517	316	786	424	605	1,180	229	197	463	467	502
18	169	491	309	632	562	567	1,020	225	177	391	445	413
19	159	420	317	527	862	548	981	261	182	327	525	336
20	565	387	314	445	972	694	981	353	198	330	719	276
21	848	431	298	441	875	848	952	373	214	772	711	231
22	814	885	288	381	731	854	889	346	205	1,100	582	196
23	681	2,240	326	371	626	760	789	385	198	969	481	191
24	1,030	2,360	829	359	535	669	669	428	215	788	393	155
25	1,450	1,790	1,280	336	472	554	564	402	203	681	368	142
26	1,220	1,280	1,400	333	427	517	491	356	195	626	328	145
27	1,010	1,050	1,220	330	398	526	481	331	295	742	284	148
28	1,120	1,100	1,090	318	364	530	515	347	491	736	248	159
29	1,290	1,060	e1,000	309	343	484	601	327	590	1,360	221	171
30	1,140	910	e927	377	---	452	682	285	697	1,620	204	182
31	900	---	e842	e419	---	472	---	309	---	1,200	196	---
Total	14,372	20,600	18,642	27,644	21,383	20,863	47,109	11,263	10,931	18,025	21,127	6,943
Mean	464	687	601	892	737	673	1,570	363	364	581	682	231
Max	1,450	2,360	1,400	3,040	1,440	1,150	2,940	654	697	1,620	1,650	541
Min	51	258	288	309	343	326	481	225	177	125	196	138
Cfsm	1.80	2.66	2.33	3.46	2.86	2.61	6.09	1.41	1.41	2.25	2.64	0.90
In.	2.07	2.97	2.69	3.99	3.08	3.01	6.79	1.62	1.58	2.60	3.05	1.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	401	586	589	520	438	843	1,345	678	353	227	181	225
Max	1,199	1,324	1,474	1,530	1,488	1,949	2,676	1,772	1,135	805	763	688
(WY)	(2006)	(1928)	(1984)	(1998)	(1954)	(1921)	(1993)	(1971)	(1947)	(1996)	(1986)	(2005)
Min	64.4	165	145	105	130	160	421	236	94.1	61.8	36.9	49.0
(WY)	(1964)	(1931)	(1923)	(1918)	(1920)	(1941)	(1995)	(1941)	(1941)	(1949)	(1934)	(1939)

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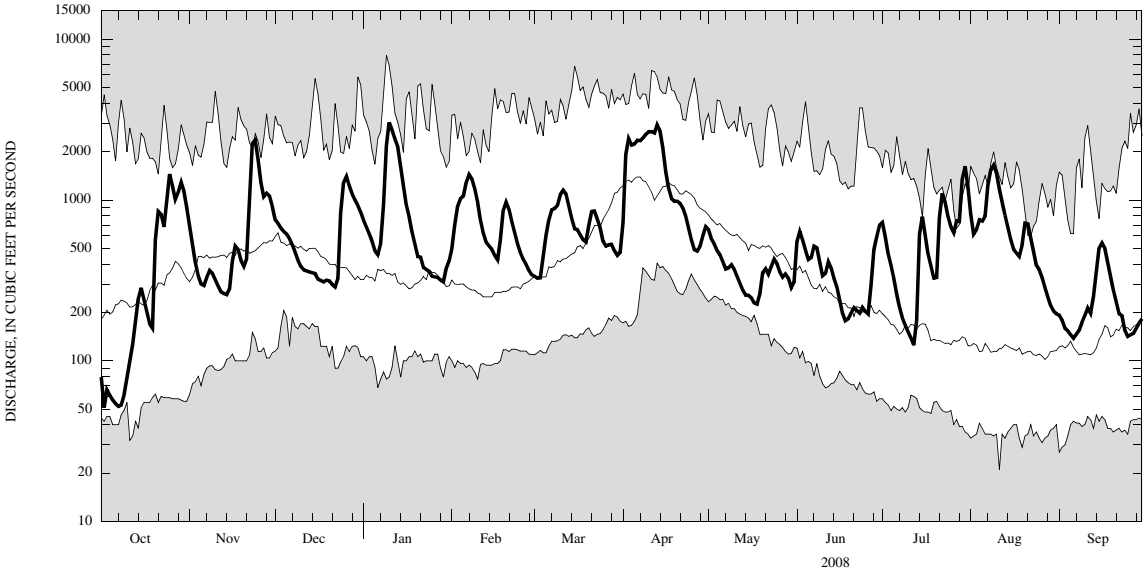
SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1916 - 2008	
Annual total	186,778		238,902			
Annual mean	512		653		532	
Highest annual mean					833	1947
Lowest annual mean					333	1941
Highest daily mean	3,080	Mar 29	3,040	Jan 10	7,970	Jan 9, 1998
Lowest daily mean	35	Sep 25	51	Oct 2	21	Aug 11, 1985
Annual seven-day minimum	44	Sep 21	56	Oct 2	34	Aug 28, 1934
Annual runoff (cfsm)	1.98		2.53		2.06	
Annual runoff (inches)	26.93		34.45		28.02	
10 percent exceeds	1,360		1,280		1,200	
50 percent exceeds	286		486		333	
90 percent exceeds	62		182		100	



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.