04269000 ST. REGIS RIVER AT BRASHER CENTER, NY

St. Lawrence Basin
St. Regis Subbasin

LOCATION.--Lat 44°51′49″, long 74°46′45″ referenced to North American Datum of 1927, St. Lawrence County, NY, Hydrologic Unit 04150306, on left bank 600 ft upstream from abandoned highway bridge at Brasher Center, and 6.5 mi downstream from West Branch.

DRAINAGE AREA.--612 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 1910 to October 1917, November 1917 to December 1918 (monthly discharges only, published in WSP 1307), January 1919 to September 1996, October 1996 to September 1997 (annual maximum only), October 1997 to current year.

REVISED RECORDS.--WSP 1387: 1910-16, 1917(M). WDR NY-82-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 217.23 ft above NGVD of 1929. Prior to June 24, 1916, nonrecording gage at site 600 ft downstream at different datum. June 24, 1916 to Nov. 10, 1917, and Jan. 1, 1919 to Aug. 13, 1920, nonrecording gage at present site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Slight diurnal fluctuation caused by powerplant operations upstream from station. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,800 ft^3/s, Apr. 6, 1937, gage height, 12.82 ft; maximum gage height, about 15.3 ft, Apr. 6, 1937 (ice jam); minimum discharge observed, about 34 ft^3/s, Aug. 8, 1917, gage height, 5.25 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,600 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 14	1915	ice jam	*9.37
Mar 14	2245	*5,410	9.09

Minimum discharge, 226 ft^3/s, Jul 20, 21, gage height, 5.89 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,540	1,850	3,110	e1,000	1,580	763	2,030	1,280	884	1,500	1,320	310
2	1,260	1,780	2,550	e1,000	1,560	e720	2,590	1,130	1,160	1,360	2,210	297
3	1,030	1,580	2,250	e960	1,710	e700	2,830	1,120	1,100	1,310	1,870	298
4	841	1,380	1,800	e920	2,810	e680	2,750	1,120	1,360	1,160	1,440	294
5	775	1,430	1,760	e900	3,100	e680	2,600	1,040	1,350	1,090	1,070	354
6	674	1,860	1,470	e880	2,960	e660	2,440	1,040	1,190	976	965	271
7	750	1,910	1,350	e840	2,270	e640	2,160	1,040	926	812	851	287
8	2,290	1,780	1,270	e820	1,840	e660	2,380	1,030	809	690	747	291
9	2,730	1,760	1,080	e820	1,420	e720	2,280	979	790	589	631	282
10	2,200	2,060	1,120	e800	1,290	e1,000	2,050	867	940	472	548	280
11	1,800	2,050	1,170	e900	1,260	e2,000	1,720	810	1,670	427	489	284
12	1,540	1,740	e1,060	e1,000	1,130	e2,300	1,730	765	1,740	410	436	275
13	1,580	1,470	e1,000	e1,100	1,100	e2,900	1,590	778	1,370	430	403	264
14	3,500	1,580	e920	e1,200	e1,000	e4,500	1,690	827	1,080	428	313	318
15	3,910	1,360	e980	e1,300	e1,000	4,520	1,670	888	843	409	394	426
16	3,110	2,000	e1,000	e1,200	e1,000	3,540	1,710	863	710	373	254	453
17	3,470	2,580	e1,000	e1,300	1,330	2,730	1,720	859	636	346	268	382
18	4,240	2,330	e980	2,410	1,540	2,330	1,530	962	611	305	270	391
19	4,440	2,070	e940	3,430	1,520	1,970	1,400	1,520	552	337	266	357
20	3,920	1,860	e960	3,020	1,360	1,640	1,260	2,140	594	297	290	313
21	3,170	1,620	e980	2,980	e1,200	1,510	1,210	2,960	808	386	406	383
22	2,610	1,610	e1,000	2,890	e1,100	1,330	1,090	2,650	854	759	471	370
23	2,500	e1,500	e1,000	2,700	e1,000	1,210	2,180	2,240	706	727	432	353
24	2,680	e1,300	e1,100	2,300	e980	1,250	3,030	1,920	593	729	374	379
25	2,600	e1,200	e1,200	2,000	876	1,320	3,040	1,640	512	677	329	417
26	3,890	1,170	e1,200	1,620	927	1,380	2,890	1,420	439	644	284	441
27	3,560	1,220	e1,200	e1,300	857	1,370	2,460	1,150	514	544	322	457
28	2,860	1,310	e1,200	e1,200	750	1,330	2,090	1,110	1,270	484	359	421
29	2,460	1,850	e1,200	e1,300	---	1,420	1,760	1,040	1,850	394	373	941
30	2,160	2,930	e1,220	1,330	---	1,460	1,540	950	1,780	694	413	1,650
31	2,000	---	e1,100	1,450	---	1,610	---	824	---	758	354	---
Total	76,090	52,140	40,170	46,870	40,470	50,843	61,420	38,962	29,641	20,517	19,152	12,239
Mean	2,455	1,738	1,296	1,512	1,445	1,640	2,047	1,257	988	662	618	408
Max	4,440	2,930	3,110	3,430	3,100	4,520	3,040	2,960	1,850	1,500	2,210	1,650
Min	674	1,170	920	800	750	640	1,090	765	439	297	254	264
Cfsm	4.01	2.84	2.12	2.47	2.36	2.68	3.35	2.05	1.61	1.08	1.01	0.67
In.	4.63	3.17	2.44	2.85	2.46	3.09	3.73	2.37	1.80	1.25	1.16	0.74

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	783	1,017	986	902	776	1,503	2,800	1,541	852	552	483	544
Max	2,455	2,467	2,674	2,678	2,268	3,434	5,576	4,512	2,848	1,486	1,564	1,541
(WY)	(2006)	(1928)	(1984)	(1913)	(1981)	(1913)	(1993)	(1971)	(1947)	(1998)	(1986)	(1981)
Min	296	374	367	273	304	337	996	495	247	225	129	155
(WY)	(1965)	(1931)	(1961)	(1931)	(1931)	(1941)	(1995)	(1941)	(1941)	(1941)	(1934)	(1934)

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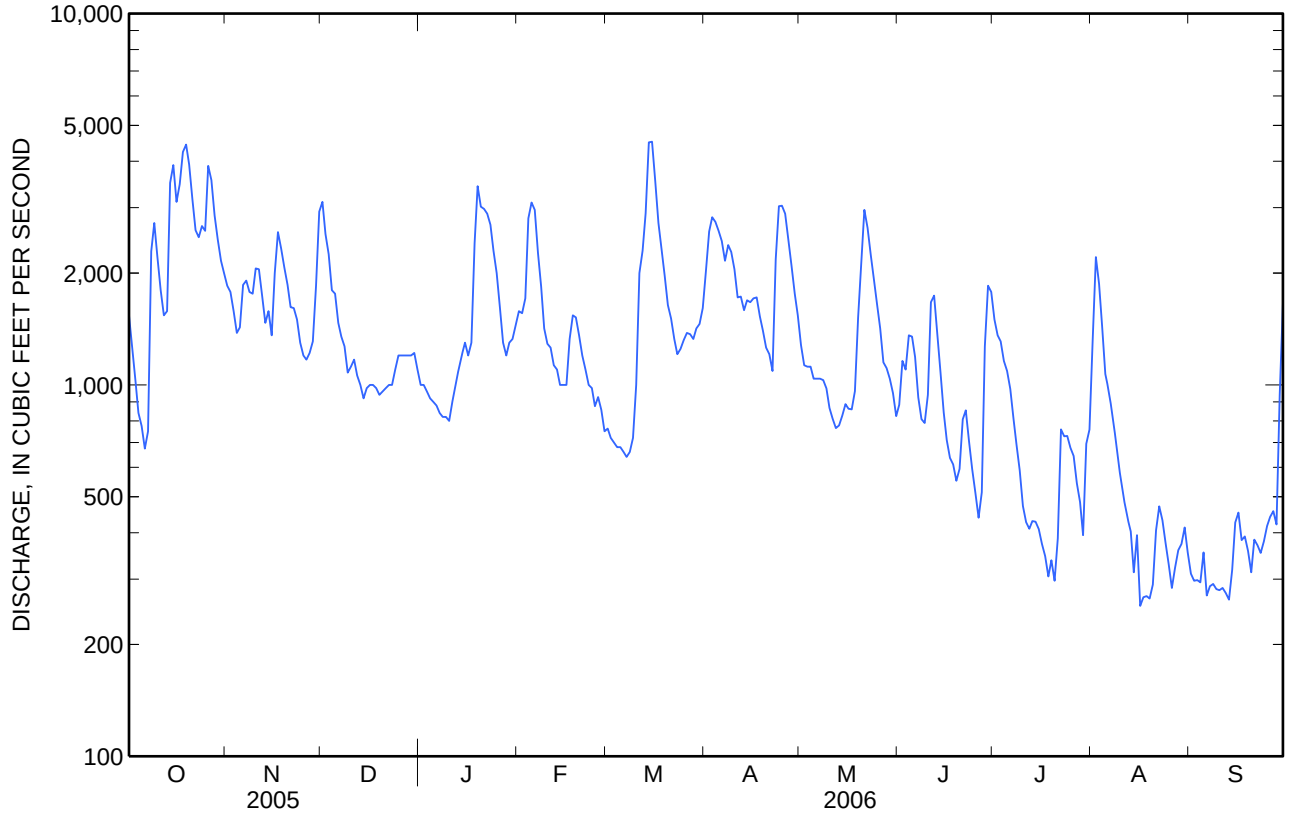
SUMMARY STATISTICS

	Calendar Year 2005		Water Year 2006		Water Years 1910 - 2006	
Annual total	476,443		488,514			
Annual mean	1,305		1,338		1,061	
Highest annual mean					1,884	1947
Lowest annual mean					581	1941
Highest daily mean	7,600	Apr 3	4,520	Mar 15	13,000	Apr 2, 1916
Lowest daily mean	217	Aug 30	254	Aug 16	37	Aug 8, 1917
Annual seven-day minimum	242	Aug 24	280	Sep 7	49	Aug 3, 1917
Annual runoff (cfsm)	2.13		2.19		1.73	
Annual runoff (inches)	28.96		29.69		23.56	
10 percent exceeds	2,610		2,600		2,250	
50 percent exceeds	1,000		1,160		700	
90 percent exceeds	399		377		291