04252500 BLACK RIVER NEAR BOONVILLE, NY

Northeastern Lake Ontario Basin
Black Subbasin

LOCATION.--Lat 43°30′42″, long 75°18′25″ referenced to North American Datum of 1927, Oneida County, NY, Hydrologic Unit 04150101, on left bank at downstream side of bridge on Moose River Road, 0.8 mi upstream from Sugar River, and 2 mi northeast of Boonville.

DRAINAGE AREA.--304 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--January to February 1911 (monthly discharges only, published in WSP 1307), March 1911 to current year.

REVISED RECORDS.--WSP 784: 1934. WSP 1084: 1912(M), 1913, 1917-1919(M), 1922(M), 1924(M), 1926(M), 1928)M), 1930(M), 1933(M). WSP 1307: 1914(M). WDR NY-82-1: Drainage area. WDR NY-05-1: 2004.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 935.50 ft above NGVD of 1929. Prior to Sept. 27, 1933, nonrecording gage at same site and datum.

REMARKS.--Records good except those below 800 ft^3/s, which are fair, and those for estimated daily discharges, which are poor. Occasional regulation by several headwater reservoirs. Forestport feeder diverts water from State Pond at Forestport 9 mi upstream. That portion of diverted water which does not pass Black River Canal (flowing south), returns to Black River downstream from station through Mill Creek sluiceway. Slight diurnal fluctuation at medium and low flow caused by mill upstream from station. Satellite and telephone and gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,800 ft^3/s, Apr. 18, 1982, Dec. 30, 1984, gage heights, 11.31 ft and 11.41 ft, respectively; maximum gage height, 13.10 ft, Feb. 21, 1981 (ice jam); minimum observed discharge, about 5 ft^3/s, Aug. 26, 1918, gage height, 2.40 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,900 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 17	1215	5,400	8.90
Dec 01	0000	4,620	8.50
Mar 15	0000	5,000	8.70
Apr 24	0445	4,080	8.19
Jun 29	0530	*11,600	*10.60
Jul 13	1515	4,350	8.00

Minimum discharge, 185 ft^3/s, Oct 7, gage height, 3.94 ft.

04252500 BLACK RIVER NEAR BOONVILLE, NY—Continued

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	792	1,170	3,950	e900	1,750	e520	1,500	685	489	2,460	803	456
2	511	1,250	2,480	e800	1,450	e490	2,620	626	433	1,710	780	366
3	375	1,190	1,630	e760	1,860	e470	2,350	583	591	1,570	692	423
4	308	991	1,360	e700	3,130	e460	1,960	583	917	1,380	760	400
5	260	916	1,140	e680	3,160	e450	1,980	552	840	1,630	747	380
6	250	817	1,020	e620	2,890	e430	1,580	511	615	1,180	707	341
7	293	1,060	892	e580	2,080	e420	1,230	622	458	891	516	363
8	1,840	1,230	763	e560	1,580	e420	1,300	559	462	744	458	360
9	2,120	1,250	e700	e560	1,100	e450	1,260	476	511	648	324	302
10	1,370	2,600	e720	e580	961	e800	1,150	531	930	565	320	283
11	859	2,650	e700	661	e860	1,330	1,010	458	929	674	320	258
12	853	1,810	e600	1,020	e800	1,370	967	554	722	1,020	294	245
13	1,520	1,420	e540	1,350	e740	1,670	1,020	880	558	3,870	258	284
14	2,240	1,150	e500	1,570	e720	4,200	1,120	1,150	446	2,420	265	394
15	2,140	1,270	e540	1,790	e740	4,310	1,080	949	384	1,360	264	502
16	2,050	3,150	e580	1,280	e800	2,610	895	765	333	962	258	574
17	1,680	5,060	e600	1,140	e880	1,760	885	973	931	784	250	449
18	1,410	3,710	e600	1,750	e860	1,280	804	1,180	2,660	635	230	355
19	1,590	2,220	e580	3,180	e880	1,060	716	1,240	1,610	497	241	306
20	1,610	1,540	e540	3,080	e900	988	596	1,220	1,180	423	713	307
21	1,290	1,240	e520	2,380	e880	902	540	1,030	903	881	901	332
22	1,100	1,070	e500	1,860	e820	931	779	1,100	687	1,170	577	330
23	1,470	e1,000	e520	1,590	e760	837	2,710	917	584	1,720	369	322
24	1,530	e900	e560	1,370	e700	816	3,600	867	538	1,100	303	379
25	1,560	e840	e600	1,240	e650	860	1,940	710	438	748	278	547
26	2,350	e800	e700	1,060	e620	914	1,520	675	738	652	293	526
27	2,260	811	e800	926	e600	881	1,120	644	2,720	576	342	462
28	1,800	899	e900	942	e560	874	917	559	9,610	1,320	429	447
29	1,450	1,290	e940	962	---	931	860	574	10,100	2,930	646	2,040
30	1,250	3,560	e950	1,660	---	1,020	765	768	5,340	1,620	978	2,440
31	1,200	---	e940	1,930	---	1,130	---	673	---	998	701	---
Total	41,331	48,864	28,365	39,481	33,731	35,584	40,774	23,614	47,657	39,138	15,017	15,173
Mean	1,333	1,629	915	1,274	1,205	1,148	1,359	762	1,589	1,263	484	506
Max	2,350	5,060	3,950	3,180	3,160	4,310	3,600	1,240	10,100	3,870	978	2,440
Min	250	800	500	560	560	420	540	458	333	423	230	245

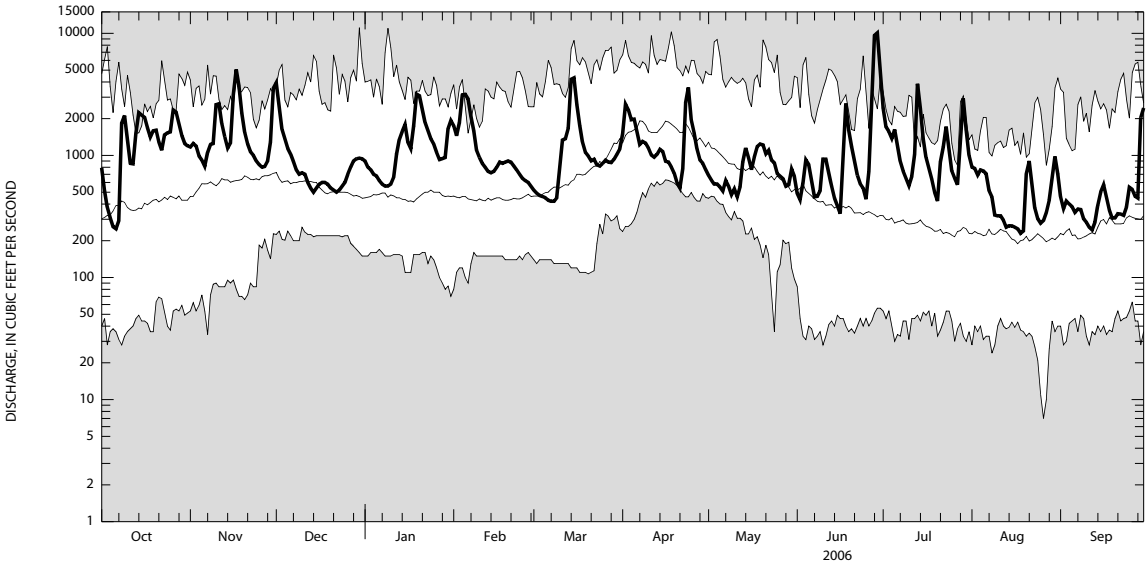
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	554	757	745	659	582	1,023	1,885	988	532	367	295	389
Max	1,695	1,629	1,759	1,837	1,410	2,394	3,313	2,402	1,707	1,263	923	1,157
(WY)	(1946)	(2006)	(1974)	(1913)	(1981)	(1921)	(1993)	(1972)	(1917)	(2006)	(2004)	(1975)
Min	55.0	149	260	158	167	302	692	328	55.0	55.4	41.5	49.4
(WY)	(1915)	(1931)	(1961)	(1931)	(1931)	(1931)	(1995)	(1941)	(1920)	(1913)	(1913)	(1913)

04252500 BLACK RIVER NEAR BOONVILLE, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2005		Water Year 2006		Water Years 1911 - 2006	
Annual total	318,408		408,729			
Annual mean	872		1,120		731	
Highest annual mean					1,120	2006
Lowest annual mean					448	1931
Highest daily mean	6,540	Apr 3	10,100	Jun 29	11,100	Dec 30, 1984
Lowest daily mean	144	Aug 10	230	Aug 18	7.0	Aug 26, 1918
Annual seven-day minimum	155	Aug 7	252	Aug 13	19	Aug 22, 1918
10 percent exceeds	1,990		2,130		1,560	
50 percent exceeds	560		860		480	
90 percent exceeds	199		373		174	



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.