04258000 BEAVER RIVER AT CROGHAN, NY

Northeastern Lake Ontario Basin
Black Subbasin

LOCATION.--Lat 43°53′50″, long 75°24′16″ referenced to North American Datum of 1927, Lewis County, NY, Hydrologic Unit 04150101, on left bank 1,200 ft upstream from Black Creek, and 0.5 mi west of Croghan.

DRAINAGE AREA.--291 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 1930 to current year.

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

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 806.20 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated by Stillwater Reservoir (see station 04256500). Between Stillwater Dam and this station, flow is further regulated by several powerplant ponds. Diurnal fluctuation at low and medium flow. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,100 ft^3/s, May 21, 1969, gage height, 6.98 ft; minimum discharge, 11 ft^3/s, Jan. 22, 29, Feb. 4, 1967, gage height, 0.63 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,050 ft^3/s, Mar. 27, gage height, 4.67 ft; minimum discharge, 248 ft^3/s, Sept. 20, gage height, 2.04 ft.

04258000 BEAVER RIVER AT CROGHAN, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	493	732	966	921	865	912	508	903	408	335	374	550
2	529	644	1,500	987	771	931	633	951	406	309	276	567
3	506	565	1,250	989	811	934	955	904	314	387	275	509
4	537	523	737	929	840	932	1,240	817	316	324	355	571
5	567	408	439	941	889	909	1,330	696	348	316	276	393
6	688	345	362	1,280	e869	e912	1,180	711	382	373	340	563
7	690	671	753	1,680	e849	e900	816	714	409	347	332	583
8	679	711	747	1,300	e839	e915	709	720	293	289	278	550
9	610	775	797	860	782	874	599	715	368	288	354	580
10	654	840	810	860	993	867	580	732	419	345	317	612
11	670	892	812	730	855	864	599	712	386	353	335	526
12	620	1,270	794	810	736	864	639	657	330	366	344	636
13	634	1,430	900	927	876	813	952	697	286	362	352	629
14	359	1,230	1,010	1,120	e999	1,000	830	687	327	358	299	585
15	478	1,010	936	1,300	e775	1,290	901	701	337	353	308	424
16	279	667	1,020	1,460	e815	1,510	1,090	905	396	406	281	416
17	383	1,020	1,050	1,410	e865	1,480	1,050	1,100	293	274	288	311
18	422	1,220	1,040	1,230	e863	1,280	1,130	1,110	280	385	305	320
19	511	975	956	1,130	888	1,110	1,210	1,000	317	395	278	308
20	964	656	945	1,080	991	1,070	1,390	743	439	464	300	315
21	1,160	396	844	1,020	e922	1,040	1,450	658	398	615	295	351
22	1,030	415	919	899	e911	898	1,430	607	321	493	277	332
23	716	583	987	889	e891	1,150	1,350	696	339	354	328	327
24	635	650	1,060	829	943	1,360	1,390	472	338	345	531	305
25	776	773	1,140	e826	910	1,350	1,360	506	350	326	502	301
26	617	790	1,200	e876	912	1,410	1,160	354	300	364	471	312
27	536	780	1,180	916	930	1,910	1,050	389	357	350	505	289
28	548	779	1,140	869	902	1,770	1,010	438	286	308	552	374
29	963	785	1,010	1,030	---	1,280	976	393	321	358	562	386
30	1,220	828	977	862	---	973	979	528	306	325	468	364
31	918	---	904	863	---	656	---	432	---	359	533	---
Total	20,392	23,363	29,185	31,823	24,492	34,164	30,496	21,648	10,370	11,226	11,291	13,289
Mean	658	779	941	1,027	875	1,102	1,017	698	346	362	364	443
Max	1,220	1,430	1,500	1,680	999	1,910	1,450	1,110	439	615	562	636
Min	279	345	362	730	736	656	508	354	280	274	275	289

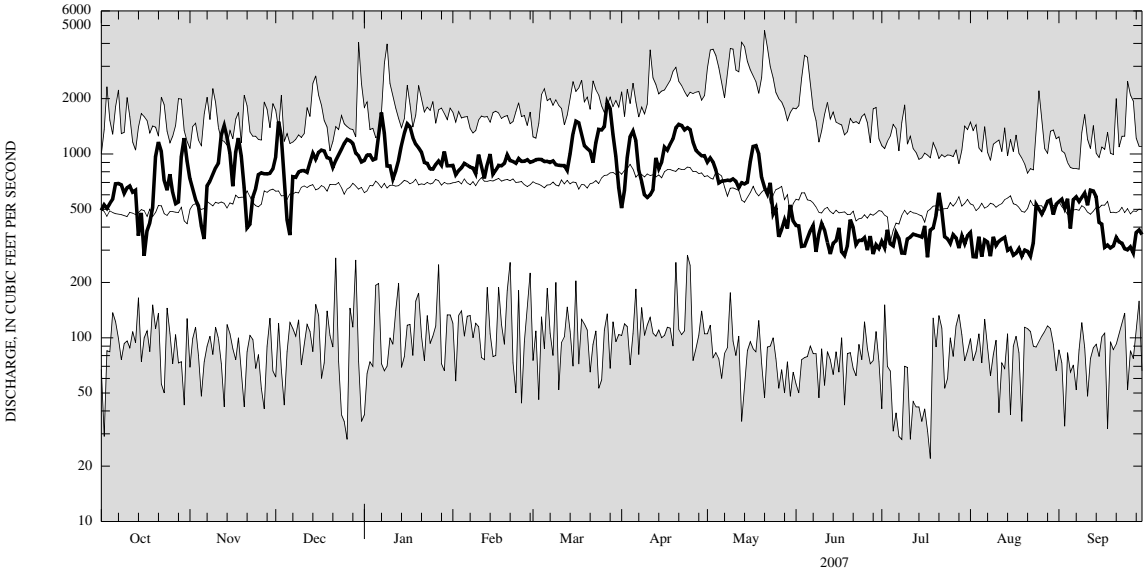
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	519	583	654	696	716	719	818	724	527	494	518	509
Max	944	1,144	1,190	1,486	1,519	1,490	1,561	1,977	1,184	863	913	824
(WY)	(1946)	(1989)	(1978)	(1978)	(1973)	(1976)	(2000)	(1943)	(1947)	(1972)	(1986)	(1986)
Min	258	160	175	315	292	321	298	199	244	174	293	313
(WY)	(2002)	(1940)	(1940)	(1961)	(1956)	(1967)	(1995)	(1941)	(1941)	(1965)	(2001)	(2001)

04258000 BEAVER RIVER AT CROGHAN, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1930 - 2007	
Annual total	281,745		261,739			
Annual mean	772		717		623	
Highest annual mean					916	1976
Lowest annual mean					361	1931
Highest daily mean	2,000	Mar 14	1,910	Mar 27	4,700	May 21, 1969
Lowest daily mean	277	Sep 12	274	Jul 17	22	Jul 18, 1965
Annual seven-day minimum	342	Sep 8	289	Aug 16	37	Jul 12, 1965
10 percent exceeds	1,140		1,170		992	
50 percent exceeds	769		709		582	
90 percent exceeds	395		317		288	



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.