Water-Data Report 2011

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, 4,640 ft^3/s, Apr. 29, gage height, 6.70 ft; minimum discharge, 286 ft^3/s, July 19, gage height, 2.16 ft.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 04258000, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/04258000.2011.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3,360	942	944	761	414	806	842	2,750	1,270	700	510	574
2	2,240	916	1,310	842	371	872	818	2,270	1,120	704	457	557
3	1,010	817	1,140	881	370	828	874	2,290	1,100	664	415	635
4	553	837	504	867	388	846	902	3,070	1,060	591	379	709
5	479	837	454	859	371	796	1,190	3,570	1,070	599	410	1,100
6	631	925	353	e750	378	1,230	1,470	3,200	1,010	514	463	1,570
7	1,340	897	491	744	435	1,240	865	2,520	970	484	444	1,130
8	1,270	829	557	e701	415	1,150	597	2,140	551	558	524	586
9	628	799	591	e719	375	987	831	2,010	479	406	447	483
10	426	818	599	751	417	648	995	1,770	523	476	528	720
11	371	725	818	e649	532	1,120	1,010	1,530	500	396	537	713
12	469	756	892	589	549	1,180	1,710	1,520	581	406	552	773
13	693	741	1,190	561	546	989	1,710	1,480	564	415	457	798
14	827	747	1,300	541	573	673	1,400	1,130	441	358	462	760
15	911	748	1,220	e654	574	482	1,200	1,370	646	406	667	947
16	1,190	770	1,010	e530	549	482	1,130	2,250	445	369	887	953
17	1,370	824	947	e661	520	469	1,370	2,410	427	361	731	950
18	1,110	965	949	568	612	738	1,660	1,830	488	401	559	730
19	1,040	975	834	532	618	1,150	1,440	1,510	367	306	518	837
20	969	949	837	503	779	1,030	1,700	1,330	373	397	492	791
21	931	897	807	378	721	589	1,890	1,380	374	422	485	807
22	935	869	788	480	562	537	1,720	1,460	456	365	548	660
23	888	883	773	525	588	492	1,670	1,360	518	294	502	589
24	949	946	786	612	e673	465	1,650	1,200	962	295	521	628
25	925	924	767	459	e711	606	1,580	1,190	1,220	376	695	594
26	961	971	e780	438	e736	644	1,770	1,190	1,300	332	746	542
27	997	931	e829	338	e746	611	2,420	1,190	997	521	698	518
28	1,030	772	e740	363	e778	658	3,450	1,450	700	611	778	541
29	1,010	822	777	412	---	774	4,460	1,390	687	565	1,040	609
30	977	959	655	384	---	808	3,590	1,280	768	461	974	622
31	971	---	704	404	---	842	---	1,200	---	449	793	---
Total	31,461	25,791	25,346	18,456	15,301	24,742	47,914	56,240	21,967	14,202	18,219	22,426
Mean	1,015	860	818	595	546	798	1,597	1,814	732	458	588	748
Max	3,360	975	1,310	881	779	1,240	4,460	3,570	1,300	704	1,040	1,570
Min	371	725	353	338	370	465	597	1,130	367	294	379	483

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	528	591	660	697	717	724	835	728	527	495	526	516
Max	1,015	1,144	1,190	1,486	1,519	1,490	1,842	1,977	1,184	863	913	824
(WY)	(2011)	(1989)	(1978)	(1978)	(1973)	(1976)	(2008)	(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)

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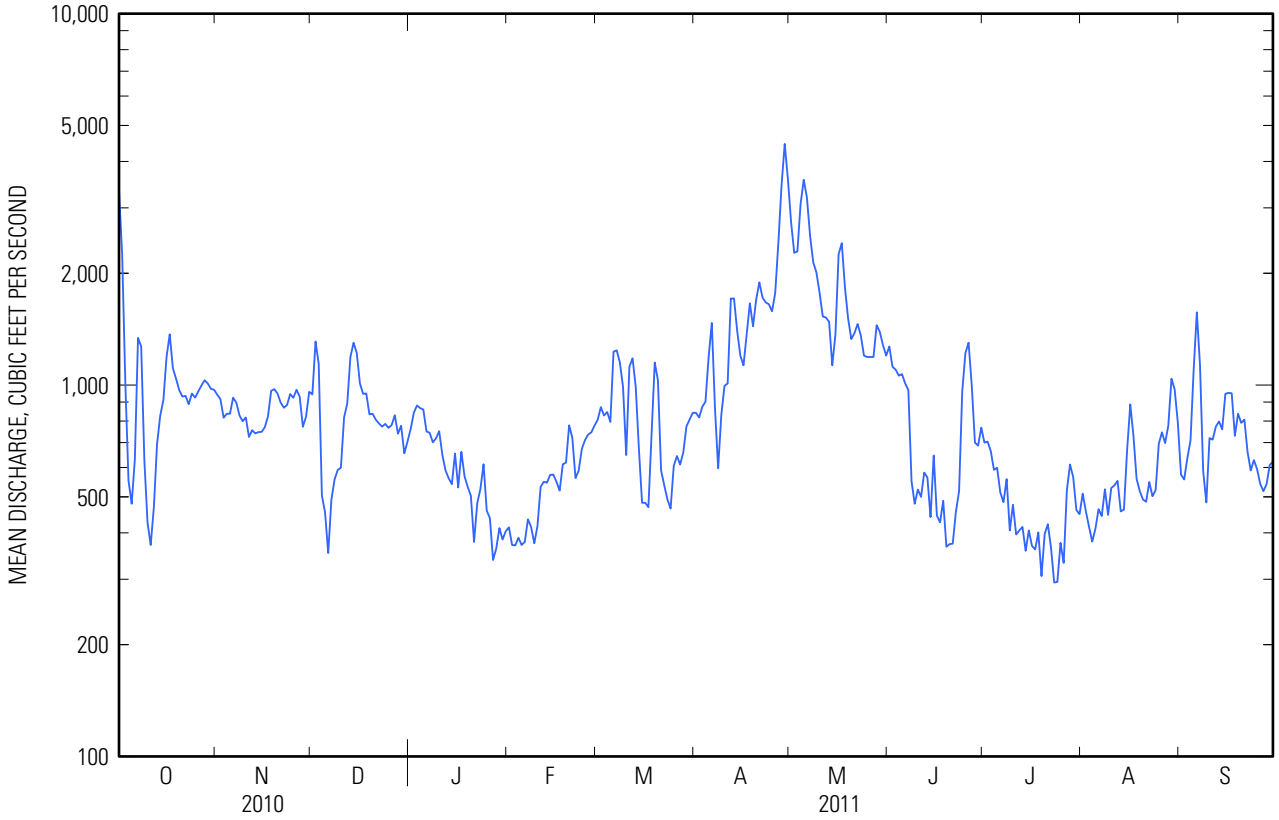
SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1930 - 2011	
Annual total	223,695		322,065			
Annual mean	613		882		628	
Highest annual mean					916	1976
Lowest annual mean					361	1931
Highest daily mean	3,360	Oct 1	4,460	Apr 29	4,700	May 21, 1969
Lowest daily mean	176	May 30	294	Jul 23	22	Jul 18, 1965
Annual seven-day minimum	188	May 25	351	Jul 19	37	Jul 12, 1965
10 percent exceeds	963		1,450		999	
50 percent exceeds	558		756		586	
90 percent exceeds	268		415		290