04227500 GENESEE RIVER NEAR MOUNT MORRIS, NY

Southwestern Lake Ontario Basin
Upper Genesee Subbasin

LOCATION.--Lat 42°46′00″, long 77°50′21″ referenced to North American Datum of 1927, Livingston County, NY, Hydrologic Unit 04130002, on right bank 100 ft north of Jones Bridge Road, 0.8 mi downstream from Canaseraga Creek, 2.8 mi northeast of Mount Morris, and 63.0 mi upstream from mouth.

DRAINAGE AREA.--1,424 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 1903 to April 1906, August 1908 to April 1914, July 1915 to current year. Prior to 1968, published as "atJones Bridge."

REVISED RECORDS.--WSP 1277: 1952. WSP 1387: 1913. WSP 1437: 1955. WDR NY-82-3: Drainage area. WDR NY-78-1: 1974-77 (M,m). WDR NY-01-3: 1991, 1992, 1996-2000 (M).

GAGE.--Water-stage recorder. Datum of gage is 540.12 ft above NGVD of 1929. Prior to Sept. 11, 1915, nonrecording gage on bridge at datum 2.85 ft lower.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Diurnal fluctuation at low flow caused by powerplant. Flow regulated to some extent by Rushford Lake since July 1928, and at high flows since November 1951 by Mount Morris Lake (see station 04224000). Monthly figures of discharge and runoff 1952 to 1966 water years adjusted for change in contents in Rushford Lake and Mount Morris Lake. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, prior to construction of Mt. Morris Reservoir in November 1951, 55,100 ft^3/s, May 17, 1916, gage height, 25.44 ft; maximum gage height, 25.80 ft, Mar. 13, 1920 (ice jam); minimum discharge, 18 ft^3/s, Aug. 29, 1909. Maximum discharge, since construction of Mt. Morris Reservoir in November 1951, 17,800 ft^3/s, June 23, 1972, gage height, 24.50 ft; minimum discharge, 12 ft^3/s, July 23, 1955, gage height, 0.22 ft, partially obstructed intake.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,530 ft^3/s, Aug. 10, gage height, 14.90 ft; minimum discharge, 135 ft^3/s, Nov. 4, gage height, 2.02 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	447	1,310	1,320	5,990	e710	4,110	1,730	757	1,050	3,220	939	758
2	440	686	2,160	6,430	e730	3,870	1,810	859	843	5,320	966	639
3	689	443	2,050	6,330	e750	3,310	1,730	1,190	730	5,240	1,140	567
4	1,520	292	1,760	6,000	e720	e1,600	2,510	952	652	3,980	884	530
5	991	621	e2,000	5,820	e660	e1,500	3,120	832	604	1,920	670	508
6	647	448	e1,700	5,600	e600	e1,600	2,790	778	549	1,420	915	493
7	522	433	e1,500	5,780	e650	2,780	2,760	909	488	1,120	674	475
8	438	419	e1,200	5,490	e2,500	5,450	2,360	1,260	464	937	517	467
9	411	411	e1,000	3,890	5,430	5,900	2,140	1,060	508	789	1,610	467
10	401	408	e2,200	e1,930	5,170	4,850	1,910	941	568	668	6,930	475
11	373	423	4,130	e1,720	4,110	4,840	1,710	846	502	664	4,840	471
12	356	425	3,880	e1,620	5,060	4,870	1,670	754	1,030	1,580	1,970	422
13	335	440	3,530	e1,480	4,310	5,480	1,430	684	1,220	1,460	2,680	339
14	320	506	2,810	e1,050	2,220	6,440	1,300	662	771	835	5,200	349
15	309	624	2,330	e860	2,960	7,010	1,220	694	563	634	5,230	350
16	492	2,200	4,050	e855	4,390	6,880	1,170	734	475	542	3,210	339
17	1,230	2,310	3,980	e1,030	5,710	6,670	1,070	1,240	439	487	1,360	328
18	1,050	1,960	3,800	e970	6,560	6,480	974	1,150	864	470	1,030	328
19	1,110	1,390	3,440	e910	6,530	6,830	915	788	1,200	458	1,160	330
20	1,150	1,190	2,030	e850	6,360	6,560	922	660	995	447	1,180	327
21	1,130	1,100	1,850	e810	6,600	6,100	1,110	599	2,840	436	2,190	323
22	1,130	938	1,350	e750	6,410	5,770	1,170	545	3,670	477	2,810	311
23	1,120	925	1,240	e760	6,030	5,420	1,080	503	3,390	547	1,650	307
24	1,100	809	1,430	e810	5,510	4,980	1,020	475	2,500	714	1,100	309
25	1,140	816	4,090	e740	4,440	4,300	920	439	1,200	679	849	315
26	2,390	891	5,030	e690	1,780	1,900	828	401	1,270	574	710	313
27	2,400	955	5,500	e680	2,170	2,570	767	457	2,900	597	686	329
28	2,270	983	3,650	e680	4,250	2,150	730	608	2,040	735	749	375
29	2,140	1,050	2,780	e650	---	1,870	825	1,980	2,060	644	726	476
30	1,750	1,050	3,790	e700	---	2,020	846	3,110	2,280	564	889	568
31	1,420	---	5,120	e690	---	1,930	---	1,720	---	755	853	---
Total	31,221	26,456	86,700	72,565	103,320	136,040	44,537	28,587	38,665	38,913	56,317	12,588
Mean	1,007	882	2,797	2,341	3,690	4,388	1,485	922	1,289	1,255	1,817	420
Max	2,400	2,310	5,500	6,430	6,600	7,010	3,120	3,110	3,670	5,320	6,930	758
Min	309	292	1,000	650	600	1,500	730	401	439	436	517	307

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	988	1,484	2,111	1,952	2,093	3,702	4,080	2,065	1,219	756	551	624
Max	4,743	4,556	5,369	5,659	5,106	7,755	7,270	5,677	4,305	6,801	4,040	4,130
(WY)	(1978)	(2007)	(1973)	(1998)	(1990)	(1976)	(1978)	(1996)	(1989)	(1972)	(2003)	(1977)
Min	107	152	280	135	383	1,365	1,464	477	191	87.6	116	99.2
(WY)	(1961)	(1965)	(1961)	(1961)	(1958)	(1960)	(1995)	(1955)	(1955)	(1955)	(2001)	(1995)

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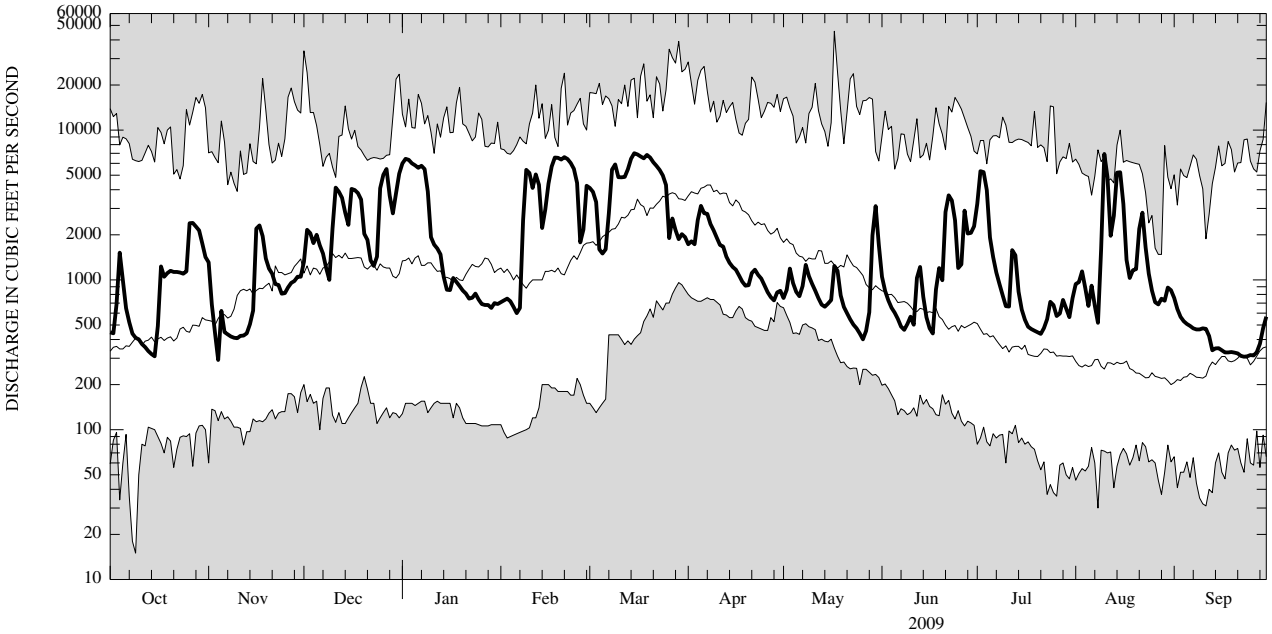
SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 1952 - 2009	
Annual total	663,039		675,909			
Annual mean	1,812		1,852		1,799	
Highest annual mean					2,603	2004
Lowest annual mean					1,057	1965
Highest daily mean	6,850	Feb 14	7,010	Mar 15	16,500	Jun 24, 1972
Lowest daily mean	251	Sep 7	292	Nov 4	15	Oct 9, 1980
Annual seven-day minimum	263	Sep 4	315	Sep 20	57	Jul 27, 1955
10 percent exceeds	4,830		5,180		4,820	
50 percent exceeds	1,040		1,050		985	
90 percent exceeds	337		440		193	



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.