

STREAMS TRIBUTARY TO LAKE ONTARIO
04232000 GENESEE RIVER AT ROCHESTER, NY

LOCATION.--Lat 43°10'50", long 77°37'40", Monroe County, Hydrologic Unit 04130003, on right bank 40 ft downstream from Rochester Gas and Electric Corporation plant, 5,100 ft upstream from bridge on Driving Park Avenue in Rochester, and 6.4 mi upstream from mouth.

DRAINAGE AREA.--2,467 mi².

PERIOD OF RECORD.--April 1904 to September 1918, December 1919 to current year. Published as "at Driving Park Avenue," 1919-68.

REVISED RECORDS.--WSP 1912; WDR NY-82-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 244.24 ft above NGVD of 1929 (245.00 ft, Barge Canal datum). April 1904 to December 1910, nonrecording gage and December 1910 to September 1918, water-stage recorder at site 5 mi upstream at datum 506.85 ft, Barge Canal datum. December 1919 to Apr. 4, 1927, water-stage recorder in plant 5, and Apr. 4, 1927 to June 19, 1956, at present site at datum 5.76 ft higher than present datum. June 20, 1956 to Sept. 30, 1969, at present site at datum 2.76 ft higher than present datum. Oct. 1, 1969 to Sept. 30, 1985, at present site at datum 2.00 ft higher than present datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Extensive diurnal fluctuation caused by powerplants upstream from station. New York State Erie (Barge) Canal crosses river 5.4 mi upstream from station. Water diverted by the canal from Lake Erie is discharged into river from the west, the canal again diverting a smaller amount of water from river to the east. Additional regulation is provided by Rushford Lake, Mount Morris Lake (see station 04224000), and Conesus Lake (see station 04227980).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, prior to construction of Mt. Morris Reservoir in November 1951, 48,300 ft³/s, Mar. 30, 1916, gage height 15.3 ft, site and datum then in use; maximum at present site, 34,400 ft³/s, Mar. 19, 1942; maximum gage height, 17.08 ft, Apr. 2, 1940, datum then in use; minimum discharge, less than 10 ft³/s, occurred during low-water periods in some years when power plant was shut down. Maximum discharge, since construction of Mt. Morris Reservoir in November 1951, 29,600 ft³/s, June 25, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge on Mar. 18, 1865, was about 54,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,200 ft³/s, May 25, gage height, 12.53 ft, result of regulation; minimum daily discharge, about 920 ft³/s, July 4. Minimum instantaneous discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,160	3,650	e7,800	5,900	1,350	2,380	7,140	4,730	7,930	e1,260	2,820	4,830
2	1,740	2,660	e7,700	5,560	1,240	3,910	9,280	3,280	7,690	1,320	3,420	4,060
3	1,540	3,070	e6,900	5,360	1,380	7,330	10,900	3,540	7,720	e1,120	2,730	3,400
4	1,490	3,620	e6,300	5,570	1,380	7,550	10,600	3,570	9,040	e920	2,200	3,060
5	1,500	2,990	e5,900	5,600	1,440	7,650	10,400	2,570	8,080	e1,300	2,160	1,590
6	2,680	e2,400	e5,400	5,770	1,400	8,470	8,810	2,450	6,500	e1,030	1,930	1,320
7	2,460	e1,900	e5,200	5,000	1,440	8,130	8,320	2,550	6,250	e1,110	1,650	1,160
8	1,670	e2,000	e4,400	3,210	1,620	8,000	8,190	3,630	6,410	e1,300	1,580	1,420
9	1,420	e1,700	e3,100	2,670	1,850	8,440	7,970	3,730	6,370	1,450	1,510	9,500
10	1,260	e1,600	e3,200	2,280	1,900	8,460	7,910	4,360	5,850	e1,310	e1,210	12,800
11	1,100	e1,500	e4,000	2,040	1,910	8,470	6,850	3,460	4,690	e1,120	e1,170	10,700
12	1,160	e1,300	e6,400	1,950	1,890	8,060	5,550	4,240	2,760	e1,120	e1,090	7,460
13	1,050	e1,600	e6,400	2,070	1,840	7,630	5,220	5,850	2,180	e1,130	1,410	6,200
14	1,040	e2,300	e5,500	2,040	1,810	7,300	10,100	6,970	2,210	1,320	e1,210	6,320
15	1,010	e2,800	e5,500	1,680	1,750	7,140	9,990	7,320	1,990	2,530	1,320	6,710
16	1,060	e2,600	e5,400	1,520	1,640	7,310	7,330	7,380	1,880	3,080	1,320	6,930
17	2,400	e2,800	e5,600	1,670	1,550	7,000	6,290	6,660	1,890	3,330	e1,080	6,370
18	2,380	e2,200	e6,200	2,090	1,260	6,730	7,390	6,120	2,850	2,660	1,130	5,650
19	2,000	e2,600	e5,700	2,230	1,300	6,660	7,710	5,730	4,740	1,910	e970	6,500
20	2,300	e7,700	e4,900	2,110	1,260	7,040	6,300	5,560	3,240	2,260	e970	6,070
21	2,030	e8,200	e3,200	2,020	1,390	8,630	7,470	6,120	2,440	2,660	e1,030	5,820
22	1,230	e7,300	e2,600	1,930	1,630	8,740	8,980	6,740	1,940	2,280	2,040	6,190
23	1,010	e6,700	e3,200	1,940	1,990	7,070	7,770	8,380	1,740	1,550	3,040	6,120
24	1,000	e7,400	e6,300	1,870	2,130	6,730	6,550	12,400	1,660	1,350	1,630	5,800
25	947	e7,800	e8,800	1,740	2,100	8,060	5,740	12,300	1,700	1,300	1,220	5,720
26	1,020	e7,600	e7,900	1,540	1,990	8,940	5,220	9,880	1,590	e1,150	1,080	5,860
27	1,250	e7,300	e6,600	1,350	1,770	9,000	5,840	7,820	e1,420	2,200	1,010	5,700
28	1,770	e7,800	e5,400	1,330	1,730	9,040	5,360	7,980	e1,250	5,320	990	5,250
29	3,850	e9,100	e5,600	1,380	1,740	9,160	5,390	9,050	e1,290	5,760	1,810	4,510
30	3,460	e8,100	e6,200	1,380	---	8,540	5,260	7,880	e1,290	4,180	2,870	3,320
31	3,610	---	6,290	1,370	---	7,660	---	7,770	---	3,120	4,420	---
TOTAL	54,597	130,290	173,590	84,170	47,680	235,230	225,830	190,020	116,590	63,450	54,020	166,340
MEAN	1,761	4,343	5,600	2,715	1,644	7,588	7,528	6,130	3,886	2,047	1,743	5,545
MAX	3,850	9,100	8,800	5,900	2,130	9,160	10,900	12,400	9,040	5,760	4,420	12,800
MIN	947	1,300	2,600	1,330	1,240	2,380	5,220	2,450	1,250	920	970	1,160

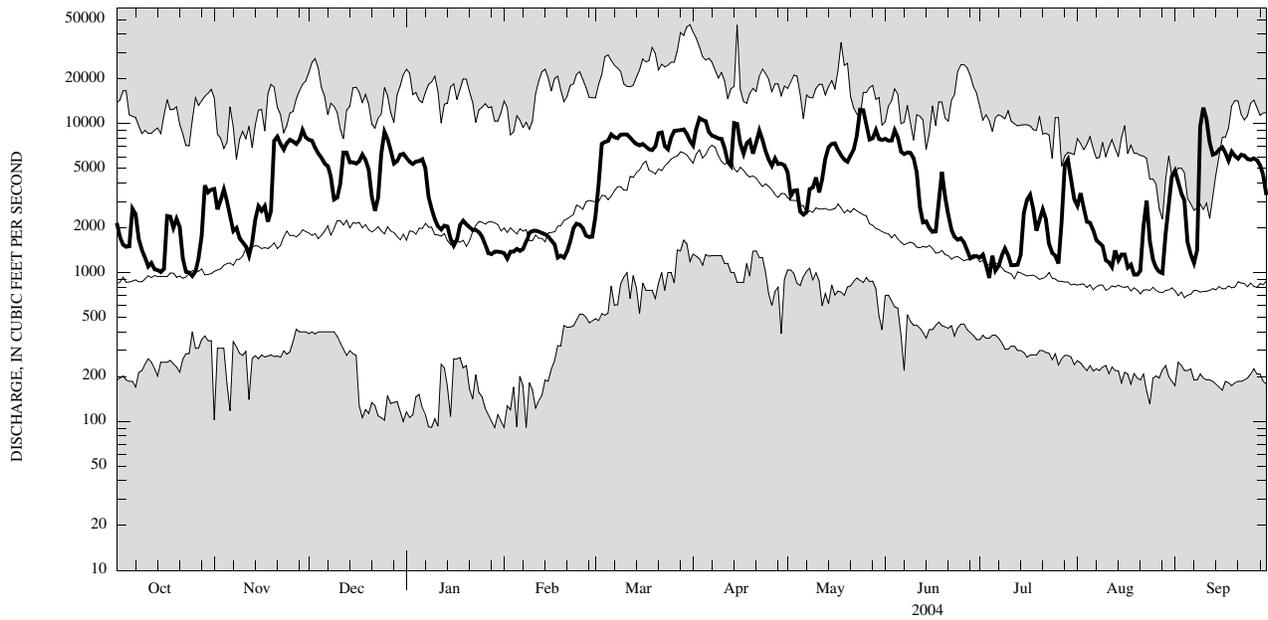
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2004, BY WATER YEAR (WY)

MEAN	1,446	2,125	2,768	2,848	3,211	6,174	6,021	3,558	2,116	1,317	1,008	1,039
MAX	7,095	7,383	9,973	8,830	9,157	14,300	14,160	10,230	7,311	8,524	4,825	6,722
(WY)	(1978)	(1928)	(1928)	(1913)	(1925)	(1945)	(1940)	(1943)	(1972)	(1972)	(2003)	(1977)
MIN	338	436	502	152	560	2,213	1,561	1,140	479	350	229	199
(WY)	(1914)	(1910)	(1910)	(1961)	(1920)	(1937)	(1946)	(1915)	(1915)	(1913)	(1913)	(1913)

04232000 GENESEE RIVER AT ROCHESTER, NY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1904 - 2004	
ANNUAL TOTAL	1,370,666		1,541,807			
ANNUAL MEAN	3,755		4,213		2,819	
HIGHEST ANNUAL MEAN					4,426 1978	
LOWEST ANNUAL MEAN					1,663 1999	
HIGHEST DAILY MEAN	13,500	Mar 22	12,800	Sep 10	46,300	Mar 31, 1916
LOWEST DAILY MEAN	582	Jul 5	920	Jul 4	91	Jan 9, 1961
ANNUAL SEVEN-DAY MINIMUM	723	Jul 4	1,100	Oct 10	104	Jan 26, 1961
10 PERCENT EXCEEDS	7,830		8,070		6,860	
50 PERCENT EXCEEDS	3,030		3,200		1,600	
90 PERCENT EXCEEDS	1,010		1,260		596	

e Estimated



2004 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.