04223000 GENESEE RIVER AT PORTAGEVILLE, NY

LOCATION.--Lat 42°34'13", long 78°02'33", Wyoming County, Hydrologic Unit 04130002, on left bank at Portageville, 500 ft downstream from bridge on State Highway 436, 800 ft upstream from abandoned railroad bridge piers, 0.9 mi upstream from Upper Falls, and 89.8 mi upstream from mouth.

DRAINAGE AREA.--984 mi^2.

PERIOD OF RECORD.--August 1908 to current year. Prior to December 1945, published as "at St. Helena". Records published for both sites December 1945 to September 1950.

REVISED RECORDS.--WSP 264: 1908. WSP 564: 1916(M). WSP 2112; WDR NY-82-3: Drainage area. WDR NY 1972: 1950(M), 1951(M), 1956(M), 1959(M), 1964(M), 1967(M).

GAGE.--Water-stage recorder. Datum of gage is 1,080.00 ft above NGVD of 1929 (levels by Corps of Engineers). Prior to Aug. 24, 1911, nonrecording gage and Aug. 24, 1911 to Sept. 30, 1946, water-stage recorder at site 8 mi downstream at different datum. Oct. 1, 1946 to June 21, 1972, water-stage recorder at site 1,200 ft downstream at datum 2.60 ft higher (destroyed by flood of June 1972). June 21, 1972 to July 11, 1972, nonrecording gage at same site and datum. July 12, 1972 to May 18, 1973, nonrecording gage at site 500 ft upstream at datum 11.48 ft higher.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Since July 1928, some seasonal regulation by Rushford Lake. Diurnal fluctuation at low flow caused by powerplant. Monthly figures of discharge and runoff 1952 to 1966 water years adjusted for change in contents in Rushford Lake. Telephone gage-height telemeter and satellite gage-height and precipitation telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 90,000 ft^3/s, June 23, 1972, gage height, 35.25 ft, site and datum then in use, from high-water mark, from rating curve extended above 25,000 ft^3/s on basis of contracted-opening measurement of 71,000 ft^3/s, 0.4 mi upstream and contracted-opening measurement of 98,200 ft^3/s, 0.7 mi downstream from gage; minimum discharge, 18 ft^3/s, Oct. 5, 17, 1913, gage height, 1.70 ft, site and datum then in use.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15,000 ft^3/s and maximum (*):

	Time	Discharge (ft^3/s)	Gage height (ft)	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 20	0300	19,200	16.96	1300	18,800	16.83
Mar 6	0100	15,200	15.63	1700	*23,100	*18.27
Apr 14	0500	17,300	16.33	0900	18,800	16.83

Minimum discharge, 224 ft^3/s, July 13, gage height, 8.60 ft.

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	1,270	1,670	3,000	2,030	e670	e720	2,780	1,180	2,930	396	2,250	1,700
2	1,080	1,040	2,650	2,010	e720	e2,000	7,810	1,820	1,940	332	1,370	1,020
3	1,030	1,110	2,030	3,290	e700	6,550	5,070	3,450	2,540	287	983	745
4	1,150	1,010	1,800	3,570	e640	6,230	4,450	1,830	1,500	270	801	620
5	2,440	946	1,720	3,000	e540	10,800	3,520	1,510	1,080	288	732	536
6	1,530	953	1,640	2,640	e510	12,000	2,880	1,420	990	280	709	463
7	1,150	904	1,500	1,770	e500	6,930	2,550	2,460	952	307	558	407
8	973	801	1,270	e1,800	e500	5,220	2,130	1,910	789	386	486	463
9	876	718	1,390	e1,700	e480	4,020	1,850	5,090	688	343	436	15,700
10	791	653	1,370	e1,300	e500	3,010	1,600	4,770	664	273	398	9,130
11	714	636	6,220	e1,200	e470	2,320	1,420	4,980	655	246	619	3,850
12	648	765	5,520	e1,500	e410	2,050	1,280	3,890	604	231	614	2,190
13	601	1,080	3,250	e1,400	e460	1,760	4,880	3,480	547	232	534	1,590
14	573	1,160	2,500	e1,100	e440	1,560	12,300	2,710	506	286	682	1,270
15	1,330	1,060	2,270	e1,000	e390	1,770	5,030	3,500	539	1,810	504	1,040
16	2,330	1,310	2,010	e1,000	e400	1,580	3,610	3,890	496	1,810	444	884
17	1,800	1,550	2,900	e940	e410	1,290	2,630	2,120	838	1,110	523	5,650
18	1,740	1,380	2,460	e960	e400	1,460	2,250	1,700	2,950	726	398	15,700
19	1,870	4,830	1,880	e940	e380	1,380	2,010	1,750	1,190	770	345	6,040
20	1,330	13,400	1,670	e880	e500	1,540	1,880	1,370	885	1,350	332	3,250
21	662	5,090	1,440	e780	e600	4,700	1,650	4,650	598	794	1,990	2,290
22	620	3,340	1,430	e740	e620	3,210	2,220	4,200	518	525	2,290	1,760
23	635	2,560	2,520	e700	e540	2,040	2,590	8,170	496	464	1,050	1,440
24	599	2,140	6,530	e660	e500	2,190	2,480	11,700	440	487	758	1,240
25	554	2,890	5,900	e640	e490	4,810	1,820	5,280	403	429	621	1,060
26	523	2,070	3,400	e660	e460	5,750	2,160	4,330	405	447	526	926
27	1,470	1,790	2,470	e680	e450	6,400	2,080	2,920	387	2,890	450	816
28	2,740	2,670	2,000	e670	e440	4,620	1,650	5,590	353	3,330	509	738
29	2,370	5,570	1,830	e630	e460	3,220	1,490	3,050	436	2,090	627	682
30	2,400	3,390	2,990	e580	---	2,380	1,320	1,880	490	1,330	4,220	646
31	2,120	---	3,150	e590	---	2,260	---	1,730	---	1,590	3,890	---
TOTAL	39,919	68,486	82,710	41,360	14,580	115,770	91,390	108,330	27,809	26,109	30,649	83,846
MEAN	1,288	2,283	2,668	1,334	503	3,735	3,046	3,495	927	842	989	2,795
MAX	2,740	13,400	6,530	3,570	720	12,000	12,300	11,700	2,950	3,330	4,220	15,700
MIN	523	636	1,270	580	380	720	1,280	1,180	353	231	332	407
CFSM	1.31	2.32	2.71	1.36	0.51	3.80	3.10	3.55	0.94	0.86	1.00	2.84
IN.	1.51	2.59	3.13	1.56	0.55	4.38	3.45	4.10	1.05	0.99	1.16	3.17

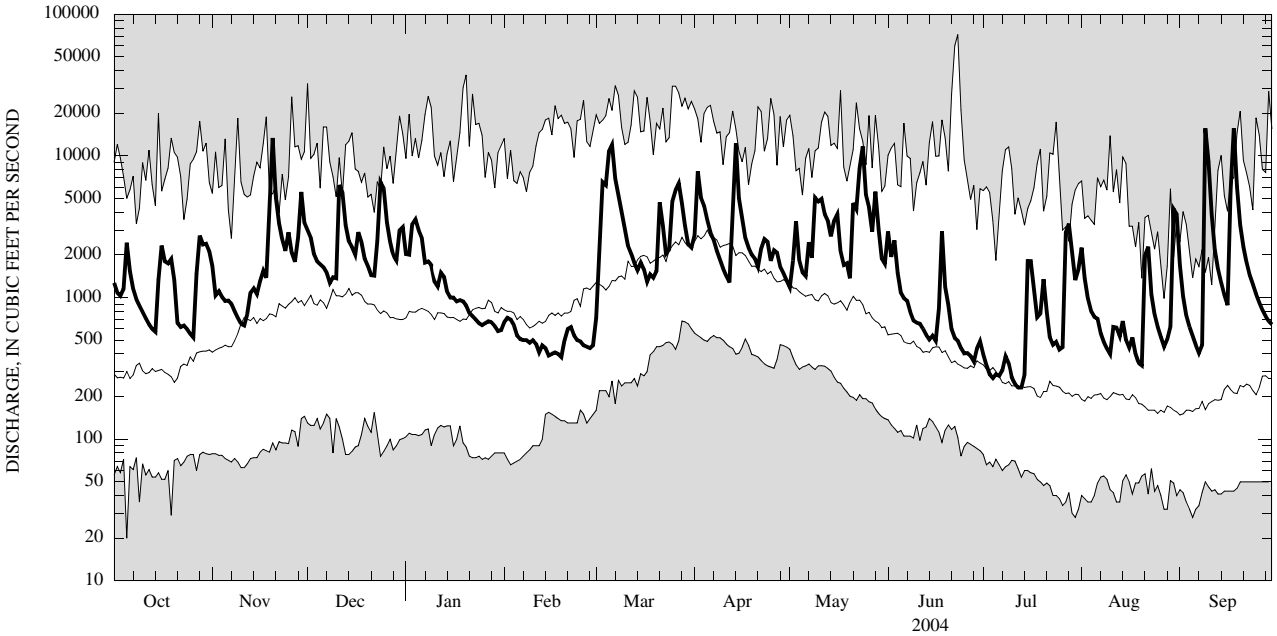
04223000 GENESEE RIVER AT PORTAGEVILLE, NY—Continued

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1908 - 2004, BY WATER YEAR (WY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	644	1,086	1,349	1,409	1,460	2,893	2,776	1,530	908	464	354	437
MAX	3,320	4,201	4,314	4,795	5,838	7,360	7,780	4,826	7,006	1,938	2,794	4,949
(WY)	(1918)	(1928)	(1928)	(1913)	(1976)	(1936)	(1940)	(1919)	(1972)	(2003)	(2003)	(1977)
MIN	74.1	110	160	100	229	945	450	294	118	64.8	64.5	50.1
(WY)	(1965)	(1965)	(1909)	(1961)	(1920)	(1937)	(1946)	(1934)	(1934)	(1934)	(1934)	(1913)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1908 - 2004	
ANNUAL TOTAL	729,295		730,958			
ANNUAL MEAN	1,998		1,997		1,274	
HIGHEST ANNUAL MEAN					2,038	1916
LOWEST ANNUAL MEAN					766	1962
HIGHEST DAILY MEAN	15,700	Mar 22	15,700	Sep 9	72,000	Jun 23, 1972
LOWEST DAILY MEAN	302	Jul 8	231	Jul 12	20	Oct 5, 1913
ANNUAL SEVEN-DAY MINIMUM	345	Jul 3	285	Jul 8	34	Jul 25, 1934
ANNUAL RUNOFF (CFSM)	2.03		2.03		1.30	
ANNUAL RUNOFF (INCHES)	27.57		27.63		17.60	
10 PERCENT EXCEEDS	3,920		4,630		2,920	
50 PERCENT EXCEEDS	1,200		1,370		620	
90 PERCENT EXCEEDS	541		446		135	



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.