04268000 RAQUETTE RIVER AT RAYMONDVILLE, NY

Raquette Watershed

LOCATION.--Lat 44°50′20″, long 74°58′45″ referenced to North American Datum of 1927, St Lawrence County, Hydrologic Unit 04150305, on right bank 250 ft upstream from bridge on Grant Road at Raymondville, 0.3 mi downstream from Trout Brook, 0.4 mi downstream from powerplant, and 18.0 mi upstream from mouth.

DRAINAGE AREA.--1125 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1943 to current year.

REVISED RECORDS.--WDR NY-82-1: Drainage area. WDR NY-85-1: 1983-84.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 183.33 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Extensive diurnal fluctuation caused by power and industrial operations. Flow regulated since 1953 by Carry Falls Reservoir, about 46 mi upstream and by powerplant, 0.4 mi upstream; considerable natural storage in large lakes upstream from Piercefield.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,000 ft^3/s, Apr. 5, 1974, gage height, 8.40 ft; maximum gage height, 9.24 ft, Feb. 22, 1954 (ice jam); minimum discharge, 2.2 ft^3/s, Sept. 18, 19, 1966; minimum gage height, 0.42 ft, July 13, 1950.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,480 ft^3/s, Apr 13, gage height, 5.28 ft; maximum gage height, 6.92 ft, Jan 29 (ice jam); minimum discharge, 58 ft^3/s, Jun 3, gage height, 0.77 ft.

04268000 RAQUETTE RIVER AT RAYMONDVILLE, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,650	1,210	1,790	e3,200	e1,900	e1,800	3,420	4,900	982	2,320	1,630	2,270
2	1,380	1,460	2,080	e3,200	e1,900	e1,800	3,590	5,290	944	845	1,740	1,560
3	1,140	1,250	1,640	e3,200	e1,800	e1,800	5,770	5,880	944	502	1,820	1,170
4	1,070	1,340	1,450	e3,300	e1,800	e1,800	4,720	5,230	495	517	2,000	1,250
5	1,170	1,540	1,360	e3,300	e1,800	e1,700	4,110	4,800	482	518	1,870	1,110
6	1,100	1,290	1,300	e3,300	e1,900	e1,700	4,120	4,600	1,090	571	1,840	1,120
7	1,040	1,280	1,400	e3,200	e1,900	e1,800	4,390	4,660	1,040	568	1,680	1,160
8	1,060	1,580	1,980	e3,100	e1,800	e1,800	4,600	4,750	1,070	596	1,680	1,740
9	854	1,770	2,310	e3,100	e1,500	e1,900	4,340	4,530	1,030	853	1,670	1,800
10	396	1,530	2,590	e3,000	e1,300	e1,800	4,200	3,240	476	1,590	1,660	1,730
11	1,200	1,510	3,060	e2,900	e1,300	e1,900	4,060	3,070	541	1,380	1,730	1,690
12	1,450	1,470	3,340	e2,800	e1,300	1,860	4,140	2,420	565	491	1,670	1,710
13	1,030	1,460	3,250	e2,800	e1,300	1,950	3,760	2,410	1,190	546	722	1,200
14	1,040	1,440	e2,800	e2,800	e1,300	1,970	3,470	2,050	1,330	1,330	464	653
15	1,070	1,470	e2,400	e2,900	e1,300	1,950	3,370	1,800	1,240	1,160	1,130	377
16	794	1,510	e2,100	e3,000	e1,300	1,880	3,090	1,770	1,150	1,170	992	624
17	554	1,420	e1,900	e3,000	e1,300	1,840	3,010	1,700	1,300	813	1,000	4,940
18	1,410	1,440	e2,000	e3,000	e1,300	1,800	2,810	2,300	1,310	2,020	985	3,410
19	1,320	1,420	e2,300	e2,900	e1,500	1,780	2,910	2,430	1,270	2,190	999	2,790
20	1,160	1,280	e2,700	e2,800	e1,400	1,760	2,560	2,330	1,620	1,850	962	2,210
21	1,130	1,250	e3,000	e2,800	e1,300	1,750	2,030	2,310	2,540	1,740	438	2,870
22	1,160	1,360	e2,400	e2,900	e1,200	1,750	1,610	2,260	2,620	1,770	615	2,560
23	810	1,500	e3,000	e2,900	e1,200	1,770	2,050	2,320	2,660	1,960	523	2,590
24	536	1,460	3,720	e3,000	e1,300	1,770	2,350	1,920	2,740	1,360	519	2,470
25	998	1,760	3,760	e3,000	e1,300	1,440	2,670	1,450	2,540	1,750	540	2,390
26	1,000	1,520	4,160	e3,000	e1,300	1,360	3,320	1,410	1,950	2,300	514	2,450
27	1,270	1,150	4,380	e3,000	e1,400	1,440	3,740	1,360	2,180	2,240	521	2,570
28	1,380	1,080	4,370	e3,100	e1,800	2,040	4,650	566	2,670	2,390	555	2,610
29	1,080	1,160	3,960	e3,100	---	2,640	4,620	521	2,660	2,170	558	2,650
30	680	1,110	3,520	e3,100	---	3,110	4,720	579	2,610	1,300	523	2,660
31	600	---	3,160	e2,500	---	3,130	---	1,250	---	1,130	1,670	---
Total	32,532	42,020	83,180	93,200	41,700	58,790	108,200	86,106	45,239	41,940	35,220	60,334
Mean	1,049	1,401	2,683	3,006	1,489	1,896	3,607	2,778	1,508	1,353	1,136	2,011
Max	1,650	1,770	4,380	3,300	1,900	3,130	5,770	5,880	2,740	2,390	2,000	4,940
Min	396	1,080	1,300	2,500	1,200	1,360	1,610	521	476	491	438	377

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,578	1,978	2,115	2,010	1,985	2,615	3,987	3,566	2,024	1,419	1,272	1,315
Max	4,545	4,423	5,228	5,021	3,979	4,723	7,132	6,768	3,602	3,623	3,454	3,200
(WY)	(1978)	(2004)	(1984)	(1985)	(1996)	(1990)	(2000)	(1971)	(1972)	(1972)	(1986)	(2004)
Min	591	500	684	699	672	866	1,140	1,209	807	518	518	573
(WY)	(1997)	(1965)	(1965)	(1956)	(1956)	(1956)	(1995)	(1987)	(1962)	(1988)	(2002)	(1995)

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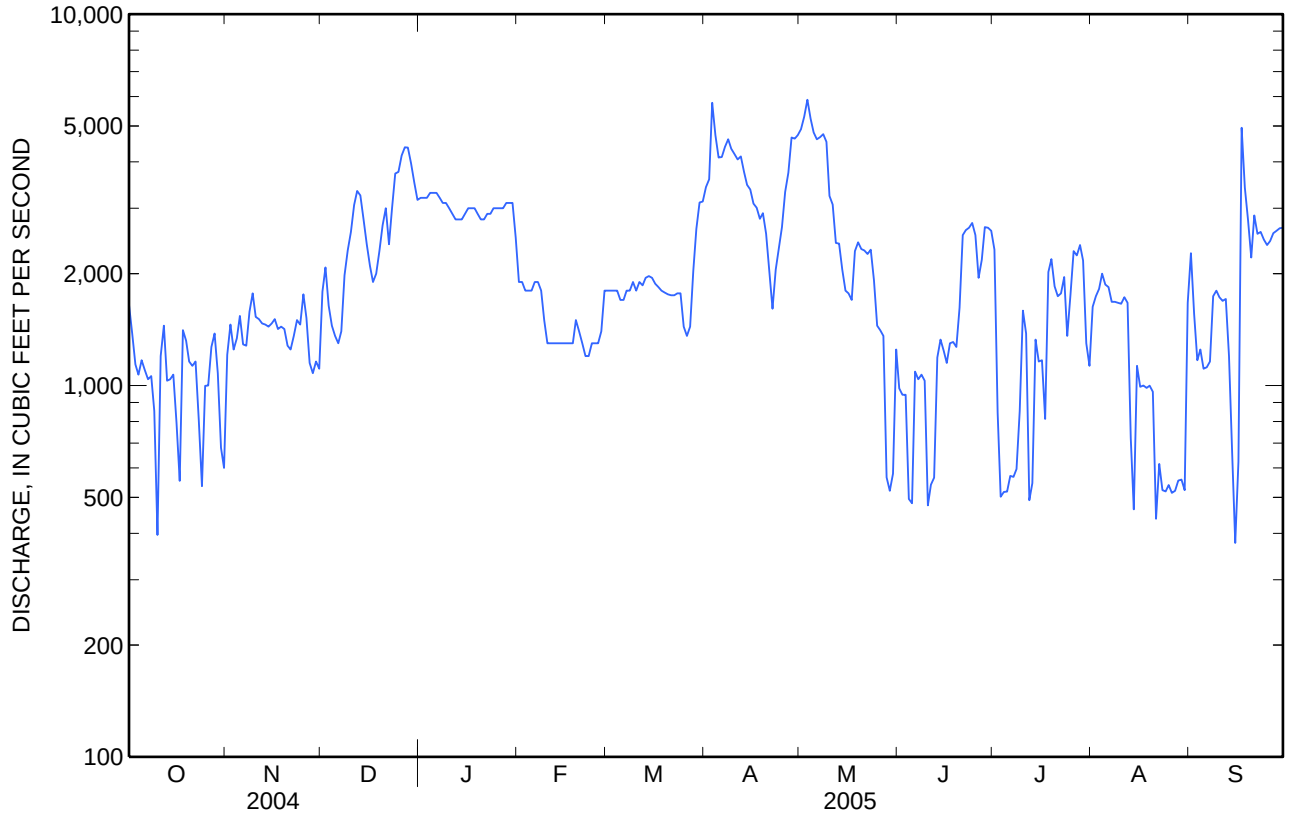
SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1954 - 2005	
Annual total	830,038		728,461			
Annual mean	2,268		1,996		2,155	
Highest annual mean					3,022	1976
Lowest annual mean					1,148	1965
Highest daily mean	5,300	Apr 14	5,880	May 3	11,600	Apr 9, 2000
Lowest daily mean	396	Oct 10	377	Sep 15	8.1	Jul 30, 1962
Annual seven-day minimum	560	Jul 8	524	Aug 21	345	Nov 22, 1953
10 percent exceeds	4,110		3,390		4,050	
50 percent exceeds	1,900		1,760		1,720	
90 percent exceeds	1,070		765		830