

## RAINY RIVER BASIN--Continued

05128000 NAMAKAN RIVER AT OUTLET OF LAC LA CROIX, ONTARIO  
(International Gaging Station)

LOCATION.--Lat 48°21'14", long 92°13'01", at Campbell's Camp, on Lac La Croix Lake, used to determine discharge at outlet [Lat 48°23'00", long 92°10'40", 2.5 mi east of Campbell's Camp].

DRAINAGE AREA.--5,170 mi<sup>2</sup>.

PERIOD OF RECORD.--September 1921 to January 1922, April 1922 to current year, in reports of Geological Survey. Monthly discharge only for some periods, published in WSP 1308. August 1921 to current year, in reports of Water Survey of Canada.

GAGE.--Water-stage recorder. Datum of gage is sea level (United States and Canadian Boundary Survey). Prior to October 1933, nonrecording gages at various sites on Lac la Croix. October 1933 to Mar. 13, 1963, nonrecording gage at present site and datum.

REMARKS.--Records furnished by Water Survey of Canada.

COOPERATION.--This station is one of the international stations maintained by Canada under agreement with the United States.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3150	2490	2670	2230	1850	1690	1500	10800	15400	7660	4590	8090
2	3110	2540	2660	2210	1840	1680	1490	11500	15100	7450	4840	7910
3	3090	2490	2640	2200	1840	1670	1490	12200	14900	7200	5080	7730
4	3070	2560	2610	2190	1820	1660	1480	12800	14600	6920	5400	7590
5	3030	2570	2600	2160	1810	1660	1490	13400	14300	6740	5650	7420
6	2970	2600	2590	2170	1790	1650	1500	13900	14100	6530	5830	7200
7	2920	2680	2580	2150	1780	1650	1600	14300	13800	6320	6000	7030
8	2860	2690	2570	2140	1780	1640	1690	14800	13500	6110	6140	6850
9	2820	2710	2550	2130	1770	1630	1760	15200	13300	5930	6210	6670
10	2780	2740	2530	2120	1760	1630	1830	15500	13000	5720	6320	6500
11	2730	2770	2510	2100	1750	1620	1930	15900	12700	5540	6390	6320
12	2680	2810	2500	2090	1750	1620	2160	16100	12400	5370	6530	6110
13	2640	2810	2480	2090	1740	1630	2400	16300	12200	5160	6600	5930
14	2710	2800	2460	2070	1720	1620	2700	16500	12300	5010	6740	5720
15	2710	2810	2440	2060	1720	1610	3060	16500	12000	5010	6960	5540
16	2680	2800	2440	2040	1700	1610	3480	16500	11700	4940	7170	5370
17	2640	2800	2430	2040	1680	1600	3810	16500	11500	4840	7380	5230
18	2610	2810	2420	2020	1680	1590	4130	16400	11200	4770	7630	5050
19	2580	2810	2400	2010	1670	1580	4480	16200	10800	4840	7870	4910
20	2510	2780	2390	2000	1650	1570	4870	16100	10600	4770	8050	4770
21	2510	2760	2390	1980	1640	1560	5300	16100	10400	4700	8230	4630
22	2460	2770	2380	1970	1640	1550	5790	16300	10100	4630	8300	4520
23	2420	2750	2370	1950	1630	1550	6360	16500	9780	4520	8330	4410
24	2390	2740	2350	1940	1640	1540	6890	16500	9530	4410	8300	4310
25	2390	2730	2340	1940	1700	1530	7420	16500	9250	4380	8230	4200
26	2420	2730	2320	1910	1710	1520	7940	16500	8970	4310	8160	4060
27	2480	2710	2310	1900	1710	1510	8470	16500	8760	4170	8050	3990
28	2480	2700	2290	1890	1700	1500	9040	16300	8470	4170	7940	3880
29	2460	2690	2270	1870	---	1500	9530	16100	8190	4060	7840	3780
30	2430	2670	2260	1860	---	1490	10200	15900	7910	4170	8120	3670
31	2420	---	2240	1860	---	1500	---	15600	---	4240	8160	---
TOTAL	83150	81320	75990	63290	48470	49360	125790	476200	350760	164590	217040	169390
MEAN	2682	2711	2451	2042	1731	1592	4193	15360	11690	5309	7001	5646
MAX	3150	2810	2670	2230	1850	1690	10200	16500	15400	7660	8330	8090
MIN	2390	2490	2240	1860	1630	1490	1480	10800	7910	4060	4590	3670
AC-FT	164900	161300	150700	125500	96140	97910	249500	944500	695700	326500	430500	336000
CFSM	.52	.52	.47	.39	.33	.31	.81	2.97	2.26	1.03	1.35	1.09
IN.	.60	.59	.55	.46	.35	.36	.91	3.43	2.52	1.18	1.56	1.22

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3059	2916	2603	2197	1893	1681	2604	7740	7994	6086	4103	3194
MAX	14200	10610	7189	4568	3432	2996	9071	16900	22120	15930	11200	13140
(WY)	1978	1978	1972	1978	1966	1966	1945	1938	1950	1968	1944	1988
MIN	744	624	567	547	540	535	614	899	1475	1263	1123	774
(WY)	1999	1977	1977	1977	1924	1924	1977	1977	1924	1924	1998	1998

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1921 - 2001
ANNUAL TOTAL	1328680	1905350	
ANNUAL MEAN	3630	5220	3857
HIGHEST ANNUAL MEAN			7270
LOWEST ANNUAL MEAN			964
HIGHEST DAILY MEAN	7340	May 30	16500
LOWEST DAILY MEAN	1840	Mar 20	1480
ANNUAL SEVEN-DAY MINIMUM	1850	Mar 17	1490
MAXIMUM PEAK FLOW			16600
MAXIMUM PEAK STAGE			1189.72
INSTANTANEOUS LOW FLOW			1460
ANNUAL RUNOFF (AC-FT)	2635000	3779000	2794000
ANNUAL RUNOFF (CFSM)	.70	1.01	.75
ANNUAL RUNOFF (INCHES)	9.56	13.71	10.14
10 PERCENT EXCEEDS	6280	13100	8300
50 PERCENT EXCEEDS	2800	2810	2690
90 PERCENT EXCEEDS	2020	1650	1180

a Occurred May 31 to June 2, 1950.  
b Many days in 1924.

