

RAINY RIVER BASIN

05128000 NAMAKAN RIVER AT OUTLET OF LAC LA CROIX, ONTARIO

(International Gaging Station)

LOCATION.--Lat 4821'14", long 9213'01", at Campbell's Camp, on Lac La Croix Lake, used to determine discharge at outlet [Lat 4823'00", long 9210'40", 2.5 mi east of Campbell's Camp].

DRAINAGE AREA.--5,170 mi².

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. Gage readings have been reduced to elevations, United States and Canada Boundary Survey datum. 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. Satellite telemeter at station.

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1180	879	922	978	1000	1050	1210	2990	2980	2340	1410	893
2	1160	886	915	982	1010	1060	1240	3070	2920	2310	1390	886
3	1160	932	915	971	1010	1070	1270	3150	2850	2320	1380	876
4	1150	950	922	971	1000	1070	1300	3210	2870	2270	1360	862
5	1130	950	922	975	999	1070	1330	3250	2840	2230	1340	851
6	1120	946	922	982	999	1080	1360	3350	2820	2200	1320	837
7	1130	936	929	985	999	1090	1410	3410	2790	2150	1300	819

8	1110	932	929	989	996	1090	1440	3430	2790	2060	1260	816
9	1010	932	929	985	996	1080	1480	3430	2760	2040	1210	809
10	1030	929	932	996	992	1090	1520	3450	2740	2020	1210	795
11	1030	939	932	996	992	1070	1580	3440	2720	1980	1190	784
12	1040	932	932	999	992	1050	1640	3470	2670	1950	1160	780
13	1020	946	936	999	992	1040	1690	3450	2650	1900	1140	777
14	1010	932	936	1000	989	1060	1720	3510	2630	1900	1100	766
15	1010	918	936	1000	992	1060	1800	3500	2590	1840	1090	759
16	1010	915	936	1010	992	1060	1850	3440	2580	1800	1070	749
17	996	918	939	1010	992	1060	1900	3470	2560	1760	1050	745
18	978	915	939	1010	989	1050	1970	3450	2580	1740	1040	738
19	946	918	943	1010	985	1050	2030	3390	2550	1690	1030	759
20	946	915	946	1000	985	1050	2080	3370	2520	1700	1030	742
21	939	918	946	1000	985	1050	2140	3350	2470	1660	1020	738
22	936	929	953	1010	978	1050	2220	3310	2440	1630	1020	735
23	925	925	953	1010	982	1060	2290	3260	2440	1590	1000	724
24	907	922	953	1010	982	1060	2390	3210	2440	1580	989	717
25	893	922	957	1020	985	1040	2500	3160	2460	1550	985	710
26	893	918	957	1020	1010	1060	2560	3120	2440	1540	978	720
27	879	918	957	1010	1030	1070	2620	3060	2420	1500	978	713
28	855	925	971	1010	1050	1080	2690	3060	2400	1490	964	717
29	847	918	968	1010	---	1100	2800	3030	2370	1470	946	713
30	862	911	968	1010	---	1160	2890	3030	2380	1450	936	703
31	862	---	971	1000	---	1180	---	2950	---	1430	925	---
TOTAL	30964	27726	29166	30958	27903	33210	56920	101770	78670	57090	34821	23233
MEAN	999	924	941	999	997	1071	1897	3283	2622	1842	1123	774
MAX	1180	950	971	1020	1050	1180	2890	3510	2980	2340	1410	893
MIN	847	879	915	971	978	1040	1210	2950	2370	1430	925	703
AC-FT	61420	54990	57850	61410	55350	65870	112900	201900	156000	113200	69070	46080
CFSM	.19	.18	.18	.19	.19	.21	.37	.63	.51	.36	.22	.15

IN.	.22	.20	.21	.22	.20	.24	.41	.73	.57	.41	.25	.17
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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3064	2915	2601	2192	1890	1678	2558	7662	7979	6088	4025	3145
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	835	624	567	547	540	535	614	899	1475	1263	1123	774
(WY)	1977	1977	1977	1977	1924	1924	1977	1977	1924	1924	1998	1998

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1921 - 1998		
ANNUAL TOTAL	1264456		532431				
ANNUAL MEAN	3464		1459		3835		
HIGHEST ANNUAL MEAN					7270		1950
LOWEST ANNUAL MEAN					964		1924
HIGHEST DAILY MEAN	9530	May 24	3510	May 14	28200a	May 31	1950
LOWEST DAILY MEAN	847	Oct 29	703	Sep 30	535	Feb 4	1924
ANNUAL SEVEN-DAY MINIMUM	867	Oct 27	713	Sep 24	535	Feb 4	1924
INSTANTANEOUS PEAK FLOW			3630	May 15	28200	May 31	1950
INSTANTANEOUS PEAK STAGE			1184.32	May 15	1193.30a	May 31	1950
INSTANTANEOUS LOW FLOW			685	Sep 30	535b	Feb 1	1924
ANNUAL RUNOFF (AC-FT)	2508000		1056000		2778000		
ANNUAL RUNOFF (CFSM)	.67		.28		.74		
ANNUAL RUNOFF	9.10		3.83		10.08		

(INCHES)							
10 PERCENT EXCEEDS	8190		2840		8340		
50 PERCENT EXCEEDS	2760		1030		2670		
90 PERCENT EXCEEDS	929		890		1180		

a Occurred May 31 to June 2, 1950.

b Many days in 1924.

