

RAINY RIVER BASIN--Continued

05127500 BASSWOOD RIVER NEAR WINTON, MN
(International Gaging Station)

LOCATION.--Lat 48°04'57", long 91°39'09", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 30, T.65 N., R.10 W., Lake County, Hydrologic Unit 09030001, in Superior National Forest, on island in Jackfish Bay of Basswood Lake, used to determine discharge at outlet (lat 48°06'21", long 91°38'51", in sec. 19, T.65 N., R.10 W., on international boundary 14 mi northeast of Winton).

DRAINAGE AREA.--1,740 mi², approximately, (above outlet of Basswood Lake).

PERIOD OF RECORD.--March to June 1924, September 1925 to March 1928, January 1930 to current year. Monthly discharge only for some periods, published in WSP 1308.

REVISED RECORDS.--WSP 955: Drainage area. WSP 1145: 1935, 1937.

GAGE.--Water-stage recorder. Datum of gage is 1,296.80 ft above sea level (NGVD of 1928, levels by Geodetic Survey of Canada). Prior to Oct. 27, 1938, nonrecording gages at several sites in vicinity of gage, at datum 3.0 ft higher. Oct. 28, 1938 to Sept. 30, 1966, water-stage recorder at datum 3.0 ft higher.

REMARKS.--Records good. Some regulation by power plant on Kawishiwi River at Winton, and by many lakes located upstream from station.

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

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	782	738	1040	853	614	516	460	6950	5180	1910	1510	2670
2	756	773	1030	834	606	513	460	7380	5170	1810	1710	2530
3	724	774	1020	821	598	513	463	7740	5080	1710	1860	2370
4	680	806	988	816	586	508	466	8100	4970	1610	2000	2270
5	649	840	959	800	578	505	478	8390	4830	1530	2100	2160
6	623	881	941	812	569	505	491	8590	4690	1450	2170	2060
7	612	943	923	803	564	504	564	8800	4520	1390	2220	1980
8	588	970	903	796	562	504	621	8920	4370	1330	2400	1920
9	578	972	897	788	562	503	659	8950	4250	1260	2700	1860
10	568	978	896	775	556	495	722	8900	4080	1200	2830	1790
11	557	988	896	757	550	489	799	8790	3890	1150	2980	1730
12	548	1000	898	747	551	489	950	8570	3710	1100	3150	1650
13	544	991	898	741	543	497	1110	8300	3600	1040	3210	1600
14	583	981	905	725	536	493	1320	7970	3570	1000	3270	1550
15	585	985	908	721	535	490	1570	7590	3450	1020	3410	1490
16	578	983	926	715	524	486	1880	7240	3330	996	3490	1430
17	576	996	938	711	519	482	2150	6900	3260	1010	3560	1380
18	574	1020	937	698	517	480	2410	6610	3190	1000	3650	1330
19	571	1050	938	690	508	474	2670	6320	3080	1070	3670	1260
20	555	1060	939	672	505	475	2950	6040	2960	1090	3680	1210
21	555	1060	947	667	504	475	3240	5880	2830	1110	3700	1170
22	551	1070	944	661	502	469	3560	5840	2700	1120	3680	1130
23	544	1060	939	649	497	462	3960	5710	2580	1110	3640	1100
24	544	1060	937	642	502	460	4310	5560	2510	1090	3580	1050
25	567	1060	935	639	531	456	4670	5420	2460	1100	3460	1010
26	590	1060	921	634	536	454	5030	5390	2380	1080	3370	979
27	631	1060	910	634	525	454	5400	5340	2320	1050	3260	956
28	643	1060	898	632	521	454	5780	5300	2240	1050	3170	923
29	655	1060	883	621	---	448	6160	5290	2140	1020	3060	896
30	676	1050	864	619	---	448	6530	5270	2030	1050	2940	871
31	697	---	859	621	---	451	---	5210	---	1110	2810	---
TOTAL	18884	29329	28817	22294	15201	14952	71833	217260	105370	37566	92240	46325
MEAN	609	978	930	719	543	482	2394	7008	3512	1212	2975	1544
MAX	782	1070	1040	853	614	516	6530	8950	5180	1910	3700	2670
MIN	544	738	859	619	497	448	460	5210	2030	996	1510	871
AC-FT	37460	58170	57160	44220	30150	29660	142500	430900	209000	74510	183000	91890
CFSM	.35	.56	.53	.41	.31	.28	1.38	4.03	2.02	.70	1.71	.89
IN.	.40	.63	.62	.48	.32	.32	1.54	4.64	2.25	.80	1.97	.99

05127500 BASSWOOD RIVER NEAR WINTON, MN--Continued
(International Gaging Station)

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1085	1019	884	731	600	572	1242	3752	2848	1838	1140	991
MAX	5320	3879	2510	1475	1229	1143	5069	9114	7332	4453	3487	5034
(WY)	1978	1971	1983	1966	1966	1966	1945	1950	1950	1944	1944	1988
MIN	65.1	60.2	76.2	86.2	95.0	135	269	225	696	512	278	120
(WY)	1977	1977	1977	1977	1977	1977	1977	1977	1980	1980	1998	1976

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1931 - 2001
ANNUAL TOTAL	406666	700071	
ANNUAL MEAN	1111	1918	1405
HIGHEST ANNUAL MEAN			2643
LOWEST ANNUAL MEAN			557
HIGHEST DAILY MEAN	3100	May 22	8950
LOWEST DAILY MEAN	479	Feb 23	448
ANNUAL SEVEN-DAY MINIMUM	486	Mar 1	452
MAXIMUM PEAK FLOW			9050
MAXIMUM PEAK STAGE			7.70
INSTANTANEOUS LOW FLOW			448
ANNUAL RUNOFF (AC-FT)	806600	1389000	1018000
ANNUAL RUNOFF (CFSM)	.64	1.10	.81
ANNUAL RUNOFF (INCHES)	8.69	14.97	10.97
10 PERCENT EXCEEDS	2270	5170	3240
50 PERCENT EXCEEDS	926	996	872
90 PERCENT EXCEEDS	556	505	376

a Present datum.

