

RAINY RIVER BASIN--Continued

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

LOCATION.--Lat 48°04'57", long 91°39'09", in SE¹/₄SE¹/₄ 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2080	2020	1100	817	610	492	775	958	2310	2390	1390	756
2	2180	1970	1080	813	614	493	777	968	2330	2470	1330	739
3	2260	1950	1070	805	609	488	831	981	2280	2490	1270	747
4	2330	1930	1050	802	604	482	856	1000	2220	2500	1210	738
5	2390	1870	1020	802	599	482	875	1050	2170	2500	1170	738
6	2460	1860	1010	801	595	481	909	1120	2100	2490	1140	756
7	2560	1840	996	799	591	482	926	1180	2050	2490	1090	790
8	2700	1820	974	788	586	493	932	1390	1970	2480	1070	814
9	2790	1810	962	780	575	517	935	1580	1920	2440	1040	874
10	2860	1790	958	775	564	527	949	1760	1840	2410	1010	900
11	2930	1740	958	768	556	541	960	1950	1770	2360	993	924
12	2940	1690	951	765	542	561	972	2160	1680	2340	1000	938
13	2940	1630	943	752	530	584	990	2380	1610	2310	1010	951
14	2940	1580	934	741	528	606	989	2580	1580	2280	1010	966
15	2950	1540	921	728	521	627	991	2760	1530	2210	978	974
16	2950	1510	911	717	510	637	973	2910	1500	2110	961	991
17	2970	1470	900	713	507	651	950	3010	1460	1970	935	998
18	2990	1450	889	700	505	658	932	3080	1430	1910	915	1020
19	3000	1400	881	693	502	655	926	3080	1410	1860	892	1030
20	3000	1380	874	685	496	649	910	3080	1450	1810	866	1030
21	2970	1350	865	674	489	642	898	3090	1490	1750	857	1020
22	2910	1320	852	670	484	644	907	3100	1560	1700	840	1020
23	2840	1300	843	668	479	649	924	3080	1660	1630	814	1010
24	2780	1290	839	664	490	671	933	3030	1820	1580	796	988
25	2680	1270	824	658	494	710	938	2940	1880	1550	781	974
26	2590	1250	806	649	504	727	937	2840	1960	1570	778	951
27	2490	1210	808	642	500	739	936	2730	2020	1530	765	918
28	2380	1180	814	639	503	752	940	2590	2090	1510	744	884
29	2280	1140	824	631	498	764	942	2490	2180	1480	719	847
30	2190	1130	830	625	---	775	947	2410	2270	1430	722	814
31	2120	---	824	617	---	775	---	2320	---	1410	763	---
TOTAL	82450	46690	28511	22381	15585	18954	27660	69597	55540	62960	29859	27100
MEAN	2660	1556	920	722	537	611	922	2245	1851	2031	963	903
MAX	3000	2020	1100	817	614	775	991	3100	2330	2500	1390	1030
MIN	2080	1130	806	617	479	481	775	958	1410	1410	719	738
AC-FT	163500	92610	56550	44390	30910	37600	54860	138000	110200	124900	59230	53750
CFSM	1.53	.89	.53	.41	.31	.35	.53	1.29	1.06	1.17	.55	.52
IN.	1.76	1.00	.61	.48	.33	.41	.59	1.49	1.19	1.35	.64	.58

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1092	1020	883	731	600	574	1225	3705	2838	1847	1114	983
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 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1931 - 2000
ANNUAL TOTAL	682158	487287	
ANNUAL MEAN	1869	1331	1397
HIGHEST ANNUAL MEAN			2643
LOWEST ANNUAL MEAN			557
HIGHEST DAILY MEAN	5400	Jul 19	15200
LOWEST DAILY MEAN	476	Mar 16	58
ANNUAL SEVEN-DAY MINIMUM	497	Mar 11	58
INSTANTANEOUS PEAK FLOW			15600
INSTANTANEOUS PEAK STAGE			9.94 ^a
INSTANTANEOUS LOW FLOW			55
ANNUAL RUNOFF (AC-FT)	1353000	966500	1012000
ANNUAL RUNOFF (CFSM)	1.07	.77	.80
ANNUAL RUNOFF (INCHES)	14.58	10.42	10.91
10 PERCENT EXCEEDS	3340	2500	3220
50 PERCENT EXCEEDS	1550	984	870
90 PERCENT EXCEEDS	627	594	374

^a Present datum.

