

RAINY RIVER BASIN--Continued

05131500 LITTLE FORK RIVER AT LITTLEFORK, MN

LOCATION.--Lat 48°23'45", long 93°32'57", in NE¹/₄SE¹/₄ sec. 9, T.68 N., R.25 W., Koochiching County, Hydrologic Unit 09030005, on right bank at town of Littlefork, 0.9 mi upstream from bridge on State Highway 217, 2.8 mi upstream from Beaver Creek, and 19 mi upstream from mouth.

DRAINAGE AREA.--1,680 mi².

PERIOD OF RECORD.--June to November 1909, April to November 1910, April 1911 to June 1917, September 1917, October 1917 to March 1919 (gage heights only), June 1928 to current year.

REVISED RECORDS.--WSP 955: Drainage area. WSP 1508: 1913, 1916, 1928-32, 1934. WRD MN-74: 1963.

GAGE.--Water-stage recorder. Datum of gage is 1,083.59 ft above sea level (NGVD of 1929). June 23, 1909 to March 4, 1917, nonrecording gage, and July 21, 1937 to October 23, 1979, water-stage recorder at site 1.2 mi downstream at datum 10.53 ft lower; March 5 to September 30, 1917, and June 22, 1928 to July 20, 1937, non-recording gage at site 1.18 mi downstream at datum 10.53 ft lower.

REMARKS.--Records good except those for estimated daily discharges, which are fair.

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	371	1250	e630	e282	e213	e186	e188	6080	4930	734	3990	471
2	356	2220	e600	e280	e207	e185	e192	6530	4460	664	4390	455
3	346	4440	e570	e275	e202	e185	e200	6840	4010	618	3490	438
4	386	4220	e540	e273	e200	e185	e220	6520	3510	569	3250	403
5	532	3800	e510	e271	e198	e184	e270	6020	3000	514	2550	373
6	549	3420	e500	e269	e197	e184	e400	5390	2600	474	1870	352
7	542	3340	e485	e266	e196	e183	e900	5000	2310	455	1350	336
8	522	4030	e470	e263	e195	e183	e3000	4950	2070	428	1090	324
9	506	4240	e460	e260	e194	e182	e7000	4740	1920	401	1120	341
10	497	4070	e445	e257	e193	e182	e10000	4530	1880	373	1170	341
11	488	3740	e435	e256	e193	e182	e11000	4470	1840	348	1200	324
12	472	3320	e425	e254	e192	e182	e12000	4200	1740	336	1240	316
13	459	2950	e415	e252	e191	e182	e14500	3870	1690	321	1190	310
14	448	2680	e410	e250	e191	e182	18500	3520	2080	302	1050	302
15	684	2390	e405	e248	e191	e182	16500	3210	5680	281	1570	288
16	1300	2100	e390	e246	e190	e182	15000	3160	5980	274	1820	278
17	1440	1840	e380	e244	e190	e182	12700	3740	5070	272	2300	267
18	1580	1580	e370	e242	e190	e181	10600	3390	4200	275	2630	260
19	1590	1280	e365	e240	e190	e181	9450	2950	3420	303	2560	254
20	1480	1110	e350	e238	e189	e181	8550	2640	2830	312	2280	244
21	1330	883	e340	e237	e189	e181	8040	2980	2530	334	1900	241
22	1190	e890	e335	e235	e188	e181	7490	5370	2270	348	1570	289
23	1080	e920	e330	e233	e188	e181	6970	9810	1990	361	1340	298
24	984	e940	e320	e232	e187	e181	6790	11700	1700	353	1150	297
25	907	e910	e315	e230	e187	e181	7410	11700	1470	340	1000	302
26	910	e870	e310	e228	e187	e181	7740	10700	1300	330	875	296
27	1050	e820	e305	e227	e186	e181	7510	10100	1130	338	766	306
28	1350	e780	e300	e227	e186	e181	7130	9300	1020	329	688	303
29	1520	e730	e295	e225	---	e182	6680	8160	924	310	608	291
30	1380	e690	e290	e223	---	e184	6190	6930	828	298	538	289
31	1290	---	e285	e218	---	e186	---	5820	---	332	497	---
TOTAL	27539	66453	12580	7681	5400	5656	223120	184320	80382	11927	53042	9589
MEAN	888	2215	406	248	193	182	7437	5946	2679	385	1711	320
MAX	1590	4440	630	282	213	186	18500	11700	5980	734	4390	471
MIN	346	690	285	218	186	181	188	2640	828	272	497	241
AC-FT	54620	131800	24950	15240	10710	11220	442600	365600	159400	23660	105200	19020
CFSM	.53	1.32	.24	.15	.11	.11	4.43	3.54	1.59	.23	1.02	.19
IN.	.61	1.47	.28	.17	.12	.13	4.94	4.08	1.78	.26	1.17	.21

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	908	732	318	151	115	284	3232	2893	1739	999	565	735
MAX	4450	3044	972	477	270	3022	8421	12190	5490	3643	2679	5189
(WY)	1996	1972	1983	1966	1969	1945	1966	1950	1944	1944	1988	1977
MIN	43.4	60.8	52.6	43.5	42.2	50.2	292	173	182	75.4	34.3	29.2
(WY)	1977	1977	1977	1931	1963	1940	1977	1977	1988	1988	1936	1976

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1909 - 2001

ANNUAL TOTAL		301986		687689								
ANNUAL MEAN		825		1884					1071			
HIGHEST ANNUAL MEAN									1912			1966
LOWEST ANNUAL MEAN									306			1931
HIGHEST DAILY MEAN			4440	Nov 3	18500	Apr 14	25000	Apr 18	1916			
LOWEST DAILY MEAN			104	Feb 15	181	Mar 18-28	21	Aug 26	1936			
ANNUAL SEVEN-DAY MINIMUM			104	Feb 15	181	Mar 18	22	Aug 21	1936			
MAXIMUM PEAK FLOW					19600	Apr 14	25000a	Apr 18	1916			
MAXIMUM PEAK STAGE					22.48	Apr 14	37.00a	Apr 18	1916			
INSTANTANEOUS LOW FLOW							21	Aug 26	1936			
ANNUAL RUNOFF (AC-FT)		599000		1364000			775800					
ANNUAL RUNOFF (CFSM)		.49		1.12			.64					
ANNUAL RUNOFF (INCHES)		6.69		15.23			8.66					
10 PERCENT EXCEEDS		1670		5880			2800					
50 PERCENT EXCEEDS		539		474			371					
90 PERCENT EXCEEDS		135		188			87					

a Also occurred May 11, 1950, site and datum then in use.
e Estimated.

