

RAINY RIVER BASIN--Continued

05131500 LITTLE FORK RIVER AT LITTLEFORK, MN

LOCATION.--Lat 48°23'45", long 93°32'57", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ 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, in CFS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	282	1340	e1750	e560	e250	e125	e124	1320	1200	2930	505	531
2	273	1740	e1680	e540	e245	e125	e126	1250	1200	2110	457	489
3	266	1800	e1580	e510	e240	e124	e127	1210	1080	1500	413	476
4	231	1710	e1450	e490	e235	e123	e129	1170	960	1080	464	476
5	196	1560	e1470	e475	e225	e121	e132	1150	850	923	528	475
6	182	1420	e1500	e460	e220	e119	e137	1170	757	864	521	493
7	178	1310	e1600	e450	e215	e118	e145	1190	682	798	528	480
8	173	1220	e1750	e435	e210	e116	e150	1210	619	792	4950	446
9	184	1180	e1900	e425	e205	e114	e160	1350	579	850	4950	418
10	208	1160	e1750	e410	e200	e110	e180	1620	741	1230	2910	383
11	254	1140	e1600	e400	e195	e112	e260	1780	3580	1760	2030	360
12	427	1110	e1500	e390	e190	e114	e400	1820	3080	1710	1740	337
13	583	1060	e1420	e380	e185	e115	e600	1770	2360	1430	1680	321
14	812	1010	e1350	e370	e185	e116	e1000	1910	2210	1170	1490	313
15	960	960	e1250	e360	e180	e117	e1800	2130	2170	983	1310	291
16	994	914	e1200	e350	e175	e118	e3420	2130	2060	827	1330	271
17	976	870	e1130	e345	e170	e118	e4080	1960	1800	684	1350	255
18	923	835	e1050	e340	e170	e118	3510	1760	1520	561	1470	245
19	851	793	e1000	e335	e165	e118	3570	1570	1610	482	1600	236
20	782	755	e950	e325	e160	e118	3600	1400	3080	425	1580	228
21	724	722	e910	e320	e155	e118	3300	1260	2680	384	1370	224
22	678	706	e860	e315	e155	e118	2860	1140	2270	347	1180	230
23	657	687	e810	e310	e150	e118	2480	1050	3480	315	1000	244
24	655	676	e770	e305	e145	e118	2180	995	5670	296	857	249
25	713	723	e730	e295	e145	e118	1980	960	6920	294	741	249
26	827	1470	e700	e285	e140	e118	1800	919	7630	300	653	251
27	912	e1990	e670	e280	e135	e119	1640	866	7260	283	582	250
28	979	e1750	e640	e275	e130	e120	1510	813	6350	301	558	248
29	1000	e1200	e610	e270	---	e121	1430	902	5100	406	511	242
30	1030	e1450	e600	e265	---	e122	1380	1020	3930	508	488	240
31	1080	---	e580	e255	---	e123	---	1160	---	537	545	---
TOTAL	18990	35261	36760	11525	5175	3672	44210	41955	83428	27080	40291	9951
MEAN	612.6	1175	1186	371.8	184.8	118.5	1474	1353	2781	873.5	1300	331.7
MAX	1080	1990	1900	560	250	125	4080	2130	7630	2930	4950	531
MIN	173	676	580	255	130	110	124	813	579	283	413	224
AC-FT	37670	69940	72910	22860	10260	7280	87690	83220	165500	53710	79920	19740
CFSM	0.36	0.70	0.71	0.22	0.11	0.07	0.88	0.81	1.66	0.52	0.77	0.20
IN.	0.42	0.78	0.81	0.26	0.11	0.08	0.98	0.93	1.85	0.60	0.89	0.22

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	904.8	737.4	324.5	153.0	115.9	282.1	3210	2875	1752	997.2	573.8	730.0
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 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1909 - 2002
ANNUAL TOTAL	672128	358298	
ANNUAL MEAN	1841	981.6	1069
HIGHEST ANNUAL MEAN			1912
LOWEST ANNUAL MEAN			306
HIGHEST DAILY MEAN	18500	Apr 14	7630
LOWEST DAILY MEAN	173	Oct 8	110
ANNUAL SEVEN-DAY MINIMUM	181	Mar 18	114
MAXIMUM PEAK FLOW			7690
MAXIMUM PEAK STAGE			11.64
INSTANTANEOUS LOW FLOW			21
ANNUAL RUNOFF (AC-FT)	1333000	710700	774600
ANNUAL RUNOFF (CFSM)	1.10	0.58	0.64
ANNUAL RUNOFF (INCHES)	14.88	7.93	8.65
10 PERCENT EXCEEDS	5880	1970	2830
50 PERCENT EXCEEDS	688	676	374
90 PERCENT EXCEEDS	186	131	87

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

