

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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1800	823	e390	e170	e118	e170	622	1060	804	1190	350	315
2	1600	799	e400	e165	e117	e195	521	1040	782	1050	309	385
3	1420	760	e410	e161	e115	e225	517	1040	801	925	277	602
4	1280	722	e390	e160	e114	e245	614	1060	744	891	251	721
5	1160	715	e365	e159	e113	e280	785	1050	719	876	242	835
6	1060	695	e335	e158	e112	e320	1070	1100	739	786	297	873
7	1010	671	e300	e157	e111	e360	2110	1200	700	696	488	891
8	1140	661	e320	e156	e110	e400	2230	1410	633	661	456	951
9	1920	658	e340	e155	e109	e415	1970	2080	636	728	458	1230
10	2510	639	e325	e156	e108	e420	1610	2930	610	922	452	1280
11	2450	634	e320	e157	e107	e425	1310	3340	571	1070	449	1160
12	2270	623	e310	e156	e106	e425	1110	3510	564	1070	467	998
13	2040	607	e300	e153	e105	e415	988	3480	551	1040	516	833
14	1800	595	e295	e151	e105	e410	904	3190	542	1170	524	700
15	1600	580	e275	e149	e104	e380	860	2840	530	1240	515	596
16	1470	558	e250	e147	e104	e350	831	2510	529	1150	529	516
17	1360	552	e225	e144	e104	e300	845	2220	517	997	591	452
18	1290	552	e205	e142	e104	273	913	1970	518	820	611	403
19	1240	546	e195	e140	e104	262	970	1720	529	667	575	385
20	1250	518	e190	e139	e104	243	1010	1520	564	563	529	426
21	1280	511	e190	e137	e104	254	1020	1380	649	491	496	538
22	1290	505	e193	e134	e104	268	991	1500	1210	433	462	545
23	1240	487	e200	e131	e105	289	953	1650	2350	391	429	540
24	1180	e450	e205	e130	e106	339	973	1600	2910	362	399	548
25	1130	e440	e205	e128	e110	487	992	1440	3020	335	377	549
26	1060	e425	e200	e126	e118	741	984	1300	2700	313	340	514
27	990	e415	e195	e124	e135	1150	995	1200	2160	321	306	478
28	949	e400	e190	e122	e155	1370	1000	1100	1780	348	281	444
29	907	e391	e185	e120	e160	1220	1030	1010	1470	421	262	418
30	870	e380	e180	e120	---	1040	1060	919	1320	436	245	390
31	850	---	e175	e119	---	811	---	850	---	391	283	---
TOTAL	43416	17312	8258	4466	3271	14482	31788	54219	32152	22754	12766	19516
MEAN	1401	577	266	144	113	467	1060	1749	1072	734	412	651
MAX	2510	823	410	170	160	1370	2230	3510	3020	1240	611	1280
MIN	850	380	175	119	104	170	517	850	517	313	242	315
AC-FT	86120	34340	16380	8860	6490	28730	63050	107500	63770	45130	25320	38710
CFSM	.83	.34	.16	.09	.07	.28	.63	1.04	.64	.44	.25	.39
IN.	.96	.38	.18	.10	.07	.32	.70	1.20	.71	.50	.28	.43

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	909	713	317	149	114	285	3179	2855	1727	1006	551	740
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 1999 CALENDAR YEAR FOR 2000 WATER YEAR WATER YEARS 1909 - 2000

ANNUAL TOTAL		553168		264400								
ANNUAL MEAN		1516		722						1060		
HIGHEST ANNUAL MEAN										1912		1966
LOWEST ANNUAL MEAN										306		1931
HIGHEST DAILY MEAN				12000	Apr 9		3510	May 12	25000		Apr 18 1916	
LOWEST DAILY MEAN				133	Mar 8		104	Feb 15-22	21		Aug 26 1936	
ANNUAL SEVEN-DAY MINIMUM				133	Mar 8		104	Feb 15	22		Aug 21 1936	
INSTANTANEOUS PEAK FLOW							3590	May 12	25000 ^a		Apr 18 1916	
INSTANTANEOUS PEAK STAGE							6.37	May 12	37.00 ^a		Apr 18 1916	
INSTANTANEOUS LOW FLOW									21		Aug 26 1936	
ANNUAL RUNOFF (AC-FT)			1097000				524400		768100			
ANNUAL RUNOFF (CFM)			.90				.43		.63			
ANNUAL RUNOFF (INCHES)			12.25				5.85		8.57			
10 PERCENT EXCEEDS			3930				1450		2790			
50 PERCENT EXCEEDS			921				529		370			
90 PERCENT EXCEEDS			148				135		86			

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

