

MINNESOTA RIVER BASIN--Continued

05320270 LITTLE COBB RIVER NEAR BEAUFORD, MN

LOCATION.--Lat 43°59'48", long 93°54'30", in SE¹/₄SE¹/₄ sec. 11, T.106 N., R.26 W., Blue Earth County, Hydrologic Unit 07020011, on left bank at downstream end of bridge on County Road No. 16, 1.6 mi upstream from mouth, 2.6 mi east of Beauford, and 5.3 mi northeast of Mapleton.

DRAINAGE AREA.--130 mi².

PERIOD OF RECORD.--April 1996 to September 30, 1999, June 2001 to current year.

REVISED RECORDS.-- WDR MN-99-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 980 ft above sea level (from topographic map).

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height observed, 12.17 ft, on April 5, 2001, discharge 2,220 ft³/s (from highwater mark).

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	0.00	0.00	3.3	1.8	e1.4	e3.5	e20	66	26	93	3.4	15
2	0.00	0.00	3.7	1.6	e1.1	e3.3	e18	64	24	77	2.7	11
3	0.00	0.00	3.5	1.5	e0.85	e3.2	e17	63	31	66	2.7	7.7
4	0.00	0.00	3.6	1.5	e1.0	e2.9	e16	61	55	57	6.6	6.4
5	0.00	0.00	4.1	1.6	e1.4	e2.6	e15	56	89	49	8.6	4.6
6	0.00	0.00	8.7	1.6	e1.7	e2.6	e15	53	103	43	7.4	4.1
7	0.00	0.00	8.3	1.4	e2.2	e2.6	e14	49	106	39	9.8	3.7
8	0.00	0.00	6.4	1.5	e2.3	e2.5	e15	48	98	35	9.5	2.9
9	0.00	0.00	6.0	1.6	e2.4	e2.1	e15	47	89	31	7.4	2.4
10	0.00	0.00	7.9	1.9	e2.4	e2.4	e17	45	79	29	5.8	2.1
11	0.00	0.00	6.9	2.2	e2.5	e2.0	e22	42	155	28	4.9	1.6
12	0.00	0.00	6.9	2.5	e2.6	e2.2	e44	41	230	27	4.6	1.2
13	0.00	0.00	6.1	2.6	e2.7	e4.2	e59	42	233	25	5.9	1.2
14	0.00	0.00	5.5	2.5	e2.8	e5.4	65	42	250	22	4.0	2.6
15	0.00	0.00	8.5	2.5	e2.9	e6.8	68	41	260	19	3.4	2.7
16	0.00	0.00	6.3	2.5	e3.1	e8.9	68	40	245	17	3.0	1.4
17	0.00	0.00	5.8	2.5	e3.2	e12	66	38	214	14	2.5	0.84
18	0.00	0.00	5.7	2.4	e3.3	e13	62	35	181	11	2.0	0.59
19	0.00	0.00	4.9	2.2	e3.5	e14	62	33	166	8.3	2.0	0.51
20	0.00	0.00	4.8	1.9	e3.7	e18	58	32	136	6.5	1.4	0.37
21	0.00	0.00	4.5	1.9	e4.1	e20	54	30	137	5.3	13	0.28
22	0.00	0.00	4.4	2.0	e4.5	e22	53	29	230	5.2	29	0.36
23	0.00	0.00	4.1	2.1	e4.6	e24	53	28	233	3.6	43	0.22
24	0.00	0.15	4.2	1.8	e4.1	e25	52	27	238	2.8	53	0.18
25	0.00	0.51	3.6	1.7	e3.9	e27	51	26	247	3.2	50	0.40
26	0.00	0.51	3.0	2.1	e3.9	e28	49	26	235	3.2	48	0.58
27	0.00	5.0	3.0	2.5	e4.0	e32	46	25	205	3.0	39	0.83
28	0.00	6.9	3.1	2.4	e3.7	e28	53	31	169	2.9	32	0.71
29	0.00	5.3	2.8	2.3	---	e24	63	39	138	4.7	26	0.74
30	0.00	3.7	2.5	2.1	---	e22	67	32	113	3.1	22	0.86
31	0.00	---	2.2	1.8	---	e21	---	29	---	4.3	19	---
TOTAL	0.00	22.07	154.3	62.5	79.85	387.2	1277	1260	4715	738.1	471.6	78.07
MEAN	0.000	0.736	4.977	2.016	2.852	12.49	42.57	40.65	157.2	23.81	15.21	2.602
MAX	0.00	6.9	8.7	2.6	4.6	32	68	66	260	93	53	15
MIN	0.00	0.00	2.2	1.4	0.85	2.0	14	25	24	2.8	1.4	0.18
AC-FT	0.00	44	306	124	158	768	2530	2500	9350	1460	935	155
CFSM	0.00	0.01	0.04	0.02	0.02	0.10	0.33	0.31	1.21	0.18	0.12	0.02
IN.	0.00	0.01	0.04	0.02	0.02	0.11	0.37	0.36	1.35	0.21	0.13	0.02

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	10.33	29.09	15.44	6.243	32.98	117.2	200.3	137.6	143.0	75.10	25.18	5.548
MAX	23.2	89.7	54.0	18.2	58.2	278	410	341	217	150	58.0	17.2
(WY)	1998	1997	1997	1997	1999	1997	1999	1999	1999	1999	1999	1997
MIN	0.000	0.74	1.46	0.49	2.85	12.5	42.6	40.6	83.1	23.8	4.34	0.027
(WY)	2002	2002	2000	1999	2002	2002	2002	2002	1998	2002	1998	2001

SUMMARY STATISTICS

FOR 2002 WATER YEAR

WATER YEARS 1996 - 2002

ANNUAL TOTAL	9245.69	
ANNUAL MEAN	25.33	72.55
HIGHEST ANNUAL MEAN		114 1999
LOWEST ANNUAL MEAN		25.3 2002
HIGHEST DAILY MEAN	260 Jun 15	811 Apr 12 1999
LOWEST DAILY MEAN	0.00 Oct 1 - Nov. 23	0.00a Sep 6 1998
ANNUAL SEVEN-DAY MINIMUM	0.00 Oct 1	0.00 Sep 12 1998
MAXIMUM PEAK FLOW	263 Jun 15	852 Apr 12 1999
MAXIMUM PEAK STAGE	7.97 Jun 15	11.38 Mar 14 1997
INSTANTANEOUS LOW FLOW	0.00 Oct 1	0.00a Sep 5 1998
ANNUAL RUNOFF (AC-FT)	18340	52560
ANNUAL RUNOFF (CFSM)	0.19	0.56
ANNUAL RUNOFF (INCHES)	2.65	7.58
10 PERCENT EXCEEDS	63	195
50 PERCENT EXCEEDS	4.2	23
90 PERCENT EXCEEDS	0.00	0.64

a Many days, several years.
e Estimated.



