

## 05320270 LITTLE COBB RIVER NEAR BEAUFORD, MN

LOCATION.--Lat 43°59'48", long 93°54'30", in SE $\frac{1}{4}$ SE $\frac{1}{4}$  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 mi<sup>2</sup>.

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 to fair except those for estimated daily discharges, which are poor.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height observed, 12.17 ft, on April 5, 2001, discharge 2,220 ft<sup>3</sup>/s (from highwater mark).

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	e8.0	21	6.7	207	75	33	49
2	0.00	0.00	0.00	0.00	0.00	e32	20	6.9	202	55	46	42
3	0.00	0.00	0.00	0.00	0.00	27	19	6.1	187	49	63	36
4	0.00	0.00	0.00	0.00	0.00	24	18	6.5	165	51	72	30
5	0.00	0.00	0.00	0.00	0.00	21	16	6.9	142	55	74	26
6	0.00	0.00	0.00	0.00	0.00	24	14	6.6	121	125	72	51
7	0.00	0.00	0.00	0.00	0.00	24	13	7.3	101	129	70	63
8	0.00	0.00	0.00	0.00	0.00	25	11	8.7	83	131	66	57
9	0.00	0.00	0.00	0.00	0.00	36	9.9	8.6	164	125	61	51
10	0.00	0.00	0.00	0.00	0.00	55	8.3	12	246	113	55	46
11	0.00	0.00	0.00	0.00	0.00	62	6.6	11	279	201	47	39
12	0.00	0.00	0.00	0.00	0.00	48	6.0	9.9	393	264	41	32
13	0.00	0.00	0.00	0.00	0.00	64	5.4	9.9	485	219	35	27
14	0.00	0.00	0.00	0.00	0.00	42	4.7	13	522	187	30	36
15	0.00	0.00	0.00	0.00	0.00	30	4.7	18	512	159	26	316
16	0.00	0.00	0.00	0.00	0.00	27	4.5	22	470	133	35	653
17	0.00	0.00	0.00	0.00	0.00	28	3.7	22	404	110	53	1,050
18	0.00	0.00	0.00	0.00	0.00	23	2.6	22	315	90	70	1,510
19	0.00	0.00	0.00	0.00	e0.10	22	3.5	21	248	76	85	1,220
20	0.00	0.00	0.00	0.00	e0.11	21	4.6	19	202	65	83	962
21	0.00	0.00	0.00	0.00	e0.10	21	5.7	22	166	60	71	825
22	0.00	0.00	0.00	0.00	e0.11	18	7.2	96	138	53	62	720
23	0.00	0.00	0.00	0.00	e0.12	18	8.4	125	114	47	58	635
24	0.00	0.00	0.00	0.00	e0.11	18	8.5	152	94	42	189	546
25	0.00	0.00	0.00	0.00	e0.11	19	9.3	165	79	38	177	458
26	0.00	0.00	0.00	0.00	e0.11	20	12	170	69	34	137	375
27	0.00	0.00	0.00	0.00	e0.30	21	11	169	61	30	111	302
28	0.00	0.00	0.00	0.00	e0.84	23	12	155	56	26	88	255
29	0.00	0.00	0.00	0.00	e2.4	25	11	150	51	24	71	218
30	0.00	0.00	0.00	0.00	---	25	9.2	188	49	22	63	188
31	0.00	---	0.00	0.00	---	23	---	215	---	24	57	---
TOTAL	0.00	0.00	0.00	0.00	4.41	874.0	290.8	1,851.1	6,325	2,812	2,201	10,818
MEAN	0.00	0.00	0.00	0.00	0.15	28.2	9.69	59.7	211	90.7	71.0	361
MAX	0.00	0.00	0.00	0.00	2.4	64	21	215	522	264	189	1,510
MIN	0.00	0.00	0.00	0.00	0.00	8.0	2.6	6.1	49	22	26	26
AC-FT	0.00	0.00	0.00	0.00	8.7	1,730	577	3,670	12,550	5,580	4,370	21,460
CFSM	0.00	0.00	0.00	0.00	0.00	0.22	0.07	0.46	1.62	0.70	0.55	2.77
IN.	0.00	0.00	0.00	0.00	0.00	0.25	0.08	0.53	1.81	0.80	0.63	3.10

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)

MEAN	25.6	24.2	12.7	5.00	23.7	87.9	158	134	142	74.0	27.9	49.2
MAX	128	89.7	54.0	18.2	58.2	278	410	341	217	150	71.0	361
(WY)	(2003)	(1997)	(1997)	(1997)	(1999)	(1997)	(1999)	(1999)	(1999)	(1999)	(2004)	(2004)
MIN	0.00	0.00	0.00	0.00	0.15	12.5	9.69	40.6	65.9	23.8	0.88	0.00
(WY)	(2002)	(2004)	(2004)	(2004)	(2004)	(2002)	(2004)	(2002)	(2003)	(2002)	(2003)	(2003)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1996 - 2004	
ANNUAL TOTAL	13,498.26		25,176.31			
ANNUAL MEAN	37.0		68.8		68.3	
HIGHEST ANNUAL MEAN					114	1999
LOWEST ANNUAL MEAN					25.3	2002
HIGHEST DAILY MEAN	399	May 16	1,510	Sep 18	1,510	Sep 18, 2004
LOWEST DAILY MEAN	0.00	Aug 24	0.00	Oct 1 to Feb. 18	a0.00	Sep 6, 1998
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 24	0.00	Oct 1	0.00	Sep 12, 1998
MAXIMUM PEAK FLOW			1,630	Sep 18	1,630	Sep 18, 2004
MAXIMUM PEAK STAGE			11.93	Sep 18	11.93	Sep 18, 2004
INSTANTANEOUS LOW FLOW			0.00	Oct 1	a0.00	Sep 5, 1998
ANNUAL RUNOFF (AC-FT)	26,770		49,940		49,470	
ANNUAL RUNOFF (CFSM)	0.284		0.529		0.525	
ANNUAL RUNOFF (INCHES)	3.86		7.20		7.14	
10 PERCENT EXCEEDS	111		187		183	
50 PERCENT EXCEEDS	1.1		11		21	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

a Many days, several years.  
 e Estimated.

