

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 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 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 ft³/s (from highwater mark).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	174	48	36	e13	e3.2	e26	380	102	147	156	6.6	1.8
2	159	44	34	e13	e3.2	e25	412	93	132	161	5.2	1.7
3	143	43	33	e12	e3.3	e25	447	84	119	170	4.4	e1.2
4	128	42	31	e11	e4.0	e26	417	76	104	172	3.5	e1.3
5	115	41	30	e9.8	e14	e27	351	72	97	151	3.3	e1.00
6	104	40	29	e8.6	e32	e27	298	71	89	125	2.3	e1.4
7	94	38	28	e7.9	e34	e30	259	71	78	103	1.7	e2.1
8	138	37	30	e7.4	e33	e30	226	73	96	86	1.4	2.2
9	162	37	30	e7.0	e32	e28	199	86	136	76	1.7	1.6
10	147	39	30	e6.8	e30	e27	176	101	147	67	4.1	1.2
11	134	37	30	e6.7	e30	e28	162	111	155	57	7.4	e1.1
12	123	34	29	e6.3	e38	e28	276	139	158	47	7.7	e2.1
13	116	32	17	e5.7	e47	e26	319	381	157	39	7.2	e4.6
14	111	31	17	e4.9	e50	e26	330	592	149	33	5.1	e3.8
15	103	31	21	e4.5	e47	e26	365	713	138	e27	3.6	e3.6
16	97	30	24	e4.3	e44	e27	386	723	124	23	2.7	e3.4
17	89	30	24	e3.9	e38	e27	373	662	109	19	2.0	e3.1
18	82	29	25	e3.8	e31	e28	347	581	96	18	3.7	e2.9
19	78	29	e20	e3.7	e26	e27	330	511	86	16	3.2	e2.4
20	75	32	e18	e3.7	e26	e27	316	450	78	14	3.0	1.9
21	72	36	e20	e3.6	e27	e28	297	406	75	15	2.3	2.0
22	70	37	e18	e3.5	e26	e29	276	371	77	23	1.7	1.8
23	69	37	e16	e3.4	e26	e30	251	337	86	22	1.4	1.7
24	68	36	e14	e3.4	e25	e31	222	304	83	18	1.0	2.4
25	64	35	e15	e3.3	e25	e40	196	271	78	15	0.93	107
26	59	35	e15	e3.2	e25	e64	176	248	74	15	2.7	236
27	55	37	e16	e3.1	e27	e90	160	229	72	13	4.9	277
28	54	35	e16	e3.0	e27	e140	140	213	79	12	5.7	351
29	55	32	e16	e3.0	---	e210	122	197	106	11	4.2	503
30	56	29	e16	e3.1	---	e300	111	179	130	9.3	3.8	571
31	53	---	e15	e3.1	---	352	---	160	---	7.9	2.5	---
TOTAL	3,047	1,073	713	179.7	773.7	1,855	8,320	8,607	3,255	1,721.2	110.93	2,097.30
MEAN	98.3	35.8	23.0	5.80	27.6	59.8	277	278	108	55.5	3.58	69.9
MAX	174	48	36	13	50	352	447	723	158	172	7.7	571
MIN	53	29	14	3.0	3.2	25	111	71	72	7.9	0.93	1.0
AC-FT	6,040	2,130	1,410	356	1,530	3,680	16,500	17,070	6,460	3,410	220	4,160
CFSM	0.76	0.28	0.18	0.04	0.21	0.46	2.13	2.14	0.83	0.43	0.03	0.54
IN.	0.87	0.31	0.20	0.05	0.22	0.53	2.38	2.46	0.93	0.49	0.03	0.60

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2005, BY WATER YEAR (WY)

MEAN	34.7	25.6	14.0	5.11	24.1	83.9	173	152	138	72.0	25.2	51.5
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1996 - 2005	
ANNUAL TOTAL	30,009.31		31,752.83		71.0	
ANNUAL MEAN	82.0		87.0		114	
HIGHEST ANNUAL MEAN					1999	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	1,510	Sep 18	723	May 16	1,510	Sep 18, 2004
LOWEST DAILY MEAN	0.00	Jan 1	0.93	Aug 25	a0.00	Sep 6, 1998
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	1.5	Sep 1	0.00	Sep 12, 1998
MAXIMUM PEAK FLOW			738	May 15	1,630	Sep 18, 2004
MAXIMUM PEAK STAGE			10.51	May 15	11.93	Sep 18, 2004
INSTANTANEOUS LOW FLOW			0.76	Aug 25	a0.00	Sep 5, 1998
ANNUAL RUNOFF (AC-FT)	59,520		62,980		51,410	
ANNUAL RUNOFF (CFSM)	0.631		0.669		0.546	
ANNUAL RUNOFF (INCHES)	8.59		9.09		7.42	
10 PERCENT EXCEEDS	187		264		188	
50 PERCENT EXCEEDS	32		32		24	
90 PERCENT EXCEEDS	0.00		3.1		0.00	

a Many days, several years.
 e Estimated.

