

Water-Data Report 2012

05320270 LITTLE COBB RIVER NEAR BEAUFORD, MN

Minnesota Basin
Le Sueur Subbasin

LOCATION.--Lat 43°59'48", long 93°54'30" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec.11, T.106 N., R.26 W., Blue Earth County, MN, 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.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1996 to September 30, 1999, June 2001 to October 15, 2012.

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).

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	e0.00	e62	5.4	16	166	55	0.00	0.00
2	0.00	0.00	0.00	0.00	e0.00	e74	4.9	20	146	38	0.00	0.00
3	0.00	0.00	0.00	0.00	e0.00	e46	3.8	21	128	28	0.00	0.00
4	0.00	0.00	0.00	0.00	e0.00	e35	3.3	24	112	21	0.00	0.00
5	0.00	0.00	0.00	0.00	e0.00	e31	3.3	33	100	16	0.00	0.00
6	0.00	0.00	0.00	0.00	e0.00	e26	2.9	128	88	12	0.00	0.00
7	0.00	0.00	0.00	0.00	e0.00	e23	3.0	185	79	9.4	0.00	0.00
8	0.00	0.00	0.00	0.00	e0.00	e21	3.0	206	69	6.7	0.00	0.00
9	0.00	0.00	0.00	0.00	e0.00	e17	3.6	220	60	5.7	0.00	0.00
10	0.00	0.00	0.00	0.00	e0.00	e14	4.5	213	50	4.3	0.00	0.00
11	0.00	0.00	0.00	0.00	e0.00	e16	6.4	188	43	3.0	0.00	0.00
12	0.00	0.00	0.00	0.00	e0.00	e14	6.5	e155	36	2.2	0.00	0.00
13	0.00	0.00	0.00	0.00	e0.00	e13	6.5	e124	27	1.9	0.00	0.00
14	0.00	0.00	0.00	0.00	e0.00	e12	6.5	e103	24	1.4	0.00	0.00
15	0.00	0.00	0.00	0.00	e0.00	e12	13	e91	75	1.1	0.00	0.00
16	0.00	0.00	0.00	0.00	e0.00	13	15	e81	130	0.67	0.00	0.00
17	0.00	0.00	0.00	0.00	e0.00	12	16	e74	153	0.44	0.00	0.00
18	0.00	0.00	0.00	0.00	e0.00	11	14	e59	179	1.3	0.00	0.00
19	0.00	0.00	0.00	e0.00	e0.00	9.9	15	e55	185	1.2	0.00	0.00
20	0.00	0.00	0.00	e0.00	e0.00	10	22	e47	172	0.78	0.00	0.00
21	0.00	0.00	0.00	e0.00	e0.00	12	31	e36	172	0.83	0.00	0.00
22	0.00	0.00	0.00	e0.00	e0.00	12	42	e31	183	0.88	0.00	0.00
23	0.00	0.00	0.00	e0.00	e0.00	e16	42	e22	190	0.89	0.00	0.00
24	0.00	0.00	0.00	e0.00	e0.00	17	36	e30	191	1.0	0.00	0.00
25	0.00	0.00	0.00	e0.00	e0.00	15	31	e78	173	0.93	0.00	0.00
26	0.00	0.00	0.00	e0.00	e0.00	13	26	e117	144	0.61	0.00	0.00
27	0.00	0.00	0.00	e0.00	e0.00	10	21	e153	117	0.30	0.00	0.00
28	0.00	0.00	0.00	e0.00	e0.00	11	18	e186	97	0.15	0.00	0.00
29	0.00	0.00	0.00	e0.00	e5.4	9.1	18	e189	80	0.11	0.00	0.00
30	0.00	0.00	0.00	e0.00	---	6.9	16	e195	66	0.06	0.00	0.00
31	0.00	---	0.00	e0.00	---	5.8	---	e187	---	0.02	0.00	---
Total	0.00	0.00	0.00	0.00	5.40	599.7	439.6	3,267	3,435	215.87	0.00	0.00
Mean	0.00	0.00	0.00	0.00	0.19	19.3	14.7	105	114	6.96	0.00	0.00
Max	0.00	0.00	0.00	0.00	5.4	74	42	220	191	55	0.00	0.00
Min	0.00	0.00	0.00	0.00	0.00	5.8	2.9	16	24	0.02	0.00	0.00
Ac-ft	0.00	0.00	0.00	0.00	11	1,190	872	6,480	6,810	428	0.00	0.00
Cfsm	0.00	0.00	0.00	0.00	0.00	0.15	0.11	0.81	0.88	0.05	0.00	0.00
In.	0.00	0.00	0.00	0.00	0.00	0.17	0.13	0.93	0.98	0.06	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	78.9	29.8	18.0	15.7	28.5	162	173	139	146	75.3	24.4	78.6
Max	452	110	84.7	68.9	134	651	415	341	300	262	109	719
(WY)	(2008)	(2011)	(2011)	(2011)	(2011)	(2011)	(2006)	(1999)	(2011)	(2010)	(2007)	(2010)
Min	0.00	0.00	0.00	0.00	0.15	12.5	9.69	40.6	42.7	1.35	0.00	0.00
(WY)	(2002)	(2004)	(2004)	(2004)	(2004)	(2002)	(2004)	(2002)	(2009)	(2007)	(2012)	(2003)

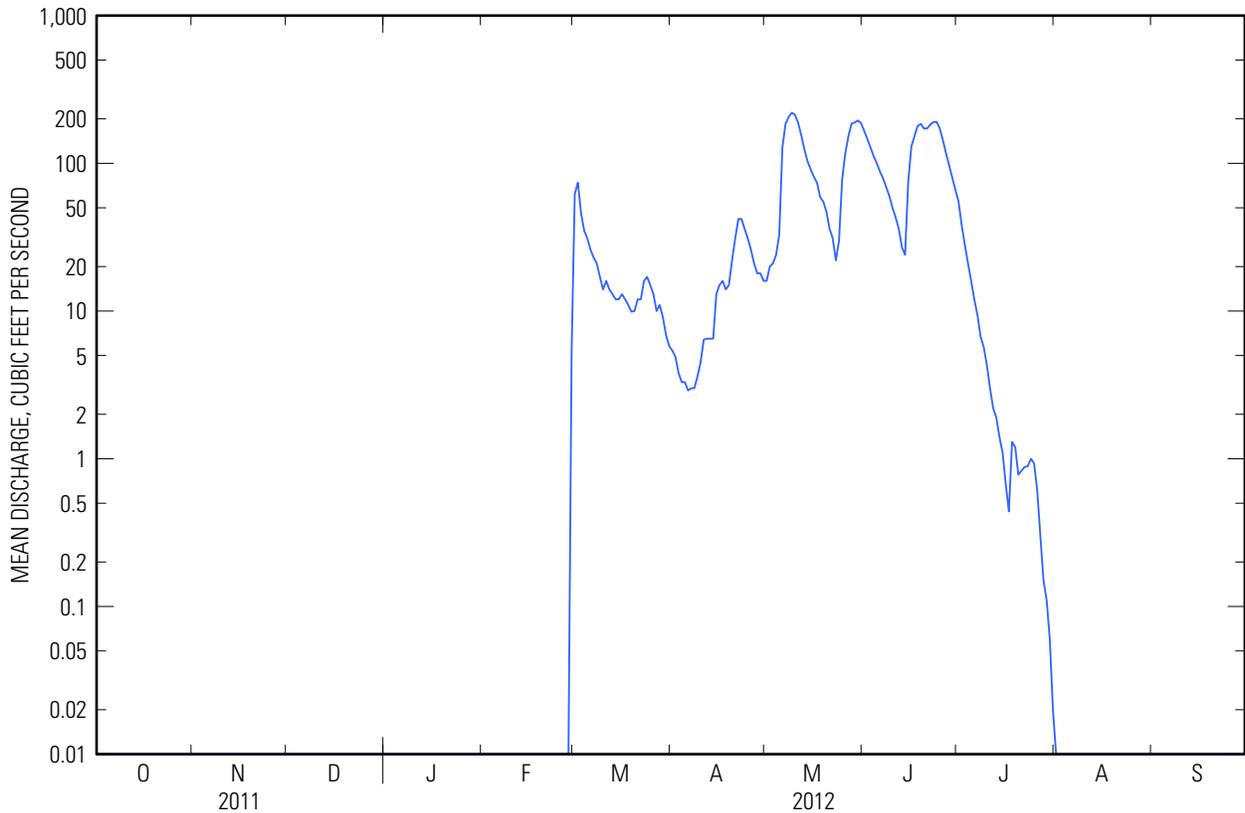
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SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1996 - 2012	
Annual total	57,220.96		7,962.57			
Annual mean	157		21.8		83.7	
Highest annual mean					198	2011
Lowest annual mean					19.1	2009
Highest daily mean	3,240	Mar 20	220	May 9	4,980	Sep 25, 2010
Lowest daily mean	0.00	Sep 15	^a 0.00	Oct 1	^b 0.00	Sep 6, 1998
Annual seven-day minimum	0.00	Sep 15	0.00	Oct 1	0.00	Sep 12, 1998
Maximum peak flow			223	May 9	5,120	Sep 25, 2010
Maximum peak stage			7.45	May 9	15.31	Sep 25, 2010
Instantaneous low flow			^a 0.00	Oct 1	^b 0.00	Sep 5, 1998
Annual runoff (ac-ft)	113,500		15,790		60,670	
Annual runoff (cfsm)	1.21		0.167		0.644	
Annual runoff (inches)	16.37		2.28		8.75	
10 percent exceeds	361		80		219	
50 percent exceeds	63		0.00		24	
90 percent exceeds	0.00		0.00		0.00	

^a Many days.

^b Many days, several years.



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2	0.00	---	---	---	---	---	---	---	---	---	---	---
3	0.00	---	---	---	---	---	---	---	---	---	---	---
4	0.00	---	---	---	---	---	---	---	---	---	---	---
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