06183750 LAKE CREEK NEAR DAGMAR, MT

Missouri-Poplar Basin
Big Muddy Subbasin

LOCATION.--Lat 48°33′51″, long 104°10′38″ referenced to North American Datum of 1927, in SE ¼ SE ¼ SW ¼ sec.31, T.33 N., R.58 E., Sheridan County, MT, Hydrologic Unit 10060006, on left bank, at downstream end of dike, just north of Medicine Lake National Wildlife Refuge and 1.7 mi southeast of Dagmar.

DRAINAGE AREA.--101 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 1985 to October 1989, March 1995 to current year (seasonal records only since 1986).

GAGE.--Water-stage recorder. Elevation of gage is 1,979 ft, referenced to the National Geodetic Vertical Datum of 1929.

REMARKS.--Records are fair. Numerous diversions for irrigation occur upstream from station. Several unpublished observations of water temperature and specific conductance were made during the year.

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DISCHARGE, CUBIC FEET PER SECOND
CALENDAR YEAR JANUARY TO DECEMBER 2006
DAILY MEAN VALUES
[e, estimated]

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1			e0.00	e0.00	0.03	0.00	0.12	0.00	0.00	0.00		
2			e0.00	e0.00	0.03	0.00	0.21	0.00	0.00	0.00		
3			e0.00	4.1	0.03	0.00	0.13	0.00	0.00	0.00		
4			e0.00	1.5	0.04	0.00	e0.10	0.00	0.00	0.00		
5			e0.00	0.34	0.04	0.00	e0.10	0.00	0.00	0.00		
6			e0.00	0.06	0.08	0.00	e0.10	0.00	0.00	0.00		
7			e0.00	0.08	0.13	0.00	e0.10	0.00	0.00	0.00		
8			e0.00	0.08	0.14	0.00	e0.10	0.00	0.00	0.00		
9			e0.00	0.08	0.14	0.00	e0.05	0.00	0.00	0.00		
10			e0.00	0.07	0.19	0.00	e0.05	0.00	0.00	0.00		
11			e0.00	0.10	0.20	0.15	e0.05	0.00	0.00	0.00		
12			e0.00	0.05	0.19	0.08	0.07	0.00	0.00	0.00		
13			e0.00	0.09	0.20	0.13	0.07	0.00	0.00	0.00		
14			e0.00	0.13	0.21	0.11	0.08	0.00	0.00	0.00		
15			e0.00	0.09	0.22	0.04	0.10	0.00	0.00	0.00		
16			e0.00	0.08	0.21	0.02	0.06	0.00	0.00	0.00		
17			e0.00	0.13	0.20	0.00	0.09	0.00	0.00	0.00		
18			e0.00	0.16	0.16	0.00	0.00	0.00	0.00	0.00		
19			e0.00	0.31	0.17	0.00	0.00	0.00	0.00	0.00		
20			e0.00	0.47	0.13	0.00	0.00	0.00	0.00	0.00		
21			e0.00	0.46	0.11	0.00	0.00	0.00	0.00	0.00		
22			e0.00	0.42	0.05	0.03	0.00	0.00	0.00	0.00		
23			e0.00	0.35	0.00	0.08	0.00	0.00	0.00	0.00		
24			e0.00	0.31	0.00	0.20	0.00	0.00	0.00	0.00		
25			e0.00	0.30	0.00	0.06	0.00	0.04	0.00	0.00		
26			e0.00	0.26	0.00	0.05	0.00	0.02	0.00	0.00		
27			e0.00	0.20	0.00	0.02	0.00	0.00	0.00	0.00		
28			e0.00	0.10	0.00	0.06	0.00	0.00	0.00	0.00		
29			e0.00	0.02	0.00	0.14	0.00	0.00	0.00	0.00		
30			e0.00	0.03	0.00	0.09	0.00	0.00	0.00	0.00		
31			e0.00	---	0.00	---	0.00	0.00	---	0.00		
Total			0.00	10.37	2.90	1.26	1.58	0.06	0.00	0.00		
Mean			0.00	0.35	0.09	0.04	0.05	0.00	0.00	0.00		
Max			0.00	4.1	0.22	0.20	0.21	0.04	0.00	0.00		
Min			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Ac-ft			0.00	21	5.8	2.5	3.1	0.1	0.00	0.00		

STATISTICS OF MONTHLY MEAN DATA FOR SEASONS 1986 – 2006*

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Mean			10.2	8.78	0.83	0.43	0.33	0.03	0.00	0.00
Max			83.4	45.1	3.35	2.81	1.40	0.26	0.03	0.00
(WY)			(2003)	(1997)	(1986)	(2000)	(1999)	(1999)	(2005)	(1986)
Min			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)			(1988)	(1988)	(1998)	(1997)	(1986)	(1986)	(1986)	(1986)

* During periods of operation (September 1985 to October 1989, March 1995 to current year).

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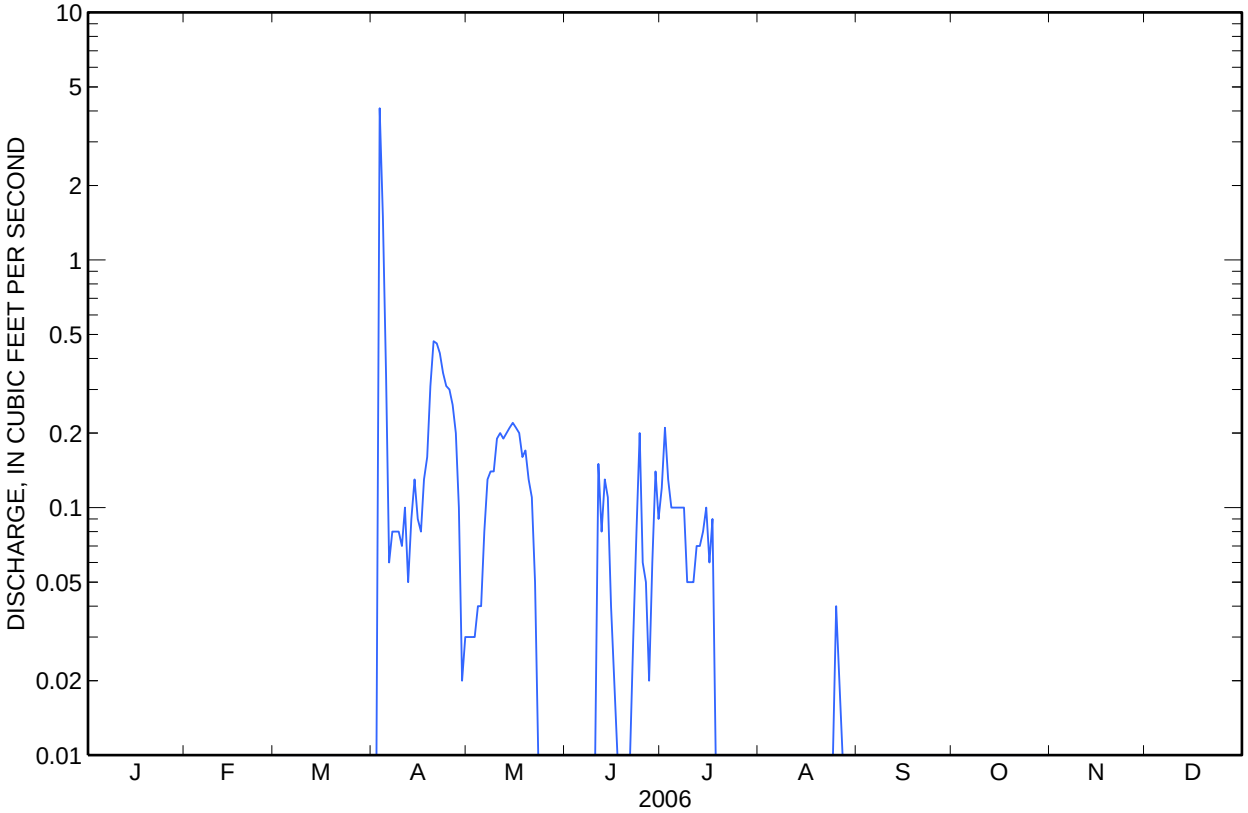
SUMMARY STATISTICS

	For 2006 Season		Seasons 1986 – 2006*	
Highest daily mean	4.1	Apr 3	950	Mar 20, 2003
Lowest daily mean	0.00	Mar 1[a]	0.00	Oct 1, 1985[d]
Maximum peak flow	[b] 7.0	Apr 3	950	Mar 20, 2003
Maximum peak stage	[c] 6.68	Mar 7	10.05	Mar 20, 2003

* During periods of operation (September 1985 to October 1989, March 1995 to current year).
[a] No flow many days.
[b] Gage height, 5.75 ft.
[c] Backwater from ice.
[d] No flow many days most years.