06135000 MILK RIVER AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY

Upper Missouri Basin
Upper Milk Subbasin

LOCATION.--Lat 48°58′29″, long 110°25′19″ referenced to North American Datum of 1927, in NW ¼ SW ¼ SE ¼ sec.9, T.37 N., R.9 E., Hill County, MT, Hydrologic Unit 10050002, on left bank 1.6 mi south of international boundary, 1.7 mi upstream from Lost River, 10 mi northwest of Simpson, 35.5 mi north of Rudyard, and at river mile 479.6.

DRAINAGE AREA.--2,525 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 1909 to current season (seasonal records only). A few winter records were collected and are on file in the USGS Water Science Center located in Helena, Montana. Monthly discharge only for April 1912, published in Wate Supply Paper (WSP) 1309.

REVISED RECORDS.-- WSP 1086: 1927, 1935. WSP 1559: 1920, maximum discharge (M); 1922 (M); 1926; 1928 (M); 1929; 1930 (M); 1932 (M). WSP 1729: 1912-13, 1921-22, 1929 (M). Water Data Report (WDR) MT-94-1 (M). WDR 1983: Drainage area. WDR MT-98-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 2,660 ft, referenced to the National Geodetic Vertical Datum of 1929. Prior to Mar. 1, 1998, water-stage recorder or nonrecording gages at several sites within 15 mi upstream at different elevation.

COOPERATION.--This is one of a number of stations which are maintained jointly by the United States and Canada.

REMARKS.--Records are good except those for estimated daily discharges, which are poor. Since 1917, flow has increased during irrigation season by water from St. Mary Canal (station number 05018500). Many diversions for irrigation occur upstream from station. Bureau of Reclamation satellite telemeter is located at the station.

06135000 MILK RIVER AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY—Continued

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			e30	836	e730	708	733	476	459	e128		
2			e30	846	744	715	704	463	457	e114		
3			e35	1,040	725	695	726	469	465	e103		
4			e30	973	696	755	729	466	451	e94		
5			e35	982	678	691	707	477	454	87		
6			e40	923	721	757	690	490	460	80		
7			e45	883	756	799	662	475	453	75		
8			e55	1,080	760	783	651	466	444	68		
9			e65	1,360	754	775	624	471	453	65		
10			e60	1,140	743	871	575	463	457	61		
11			e70	933	722	809	568	461	459	63		
12			e60	893	728	697	577	483	451	61		
13			e55	825	724	760	543	489	447	63		
14			e55	766	716	824	544	503	453	61		
15			e60	726	712	1,240	527	e479	490	59		
16			e70	684	716	1,540	516	e457	530	59		
17			e100	714	707	1,120	518	e507	502	57		
18			e200	724	691	1,020	510	e512	483	56		
19			e400	745	671	972	513	e523	460	56		
20			e600	752	705	921	510	515	421	68		
21			e550	735	672	825	511	544	387	82		
22			e500	737	708	751	511	493	385	84		
23			e700	736	680	714	515	477	354	79		
24			e1,000	699	623	695	503	472	307	71		
25			e847	689	657	681	497	462	293	66		
26			e939	e675	651	670	e499	472	281	62		
27			e1,100	e670	657	688	e500	484	222	64		
28			e921	e665	707	701	e495	489	180	65		
29			e1,250	e685	750	762	487	484	e152	62		
30			1,060	e725	729	752	464	471	e141	e60		
31			940	---	666	---	463	455	---	e55		
Total			11,902	24,841	21,899	24,691	17,572	14,948	11,951	2,228		
Mean			384	828	706	823	567	482	398	71.9		
Max			1,250	1,360	760	1,540	733	544	530	128		
Min			30	665	623	670	463	455	141	55		
Ac-ft			23,610	49,270	43,440	48,970	34,850	29,650	23,700	4,420		

STATISTICS OF MONTHLY MEAN DATA FOR SEASONS 1917 – 2006*

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Mean			368	565	710	784	616	543	382	125		
Max			1,522	1,691	1,943	2,561	1,046	886	740	566		
(WY)			(1978)	(1965)	(1927)	(2002)	(1951)	(1927)	(1972)	(1990)		
Min			9.88	80.1	257	200	262	77.4	2.21	0.16		
(WY)			(2002)	(1945)	(1918)	(1952)	(1977)	(1982)	(2001)	(2002)		

* Flow increased during irrigation season by water from St. Mary Canal.

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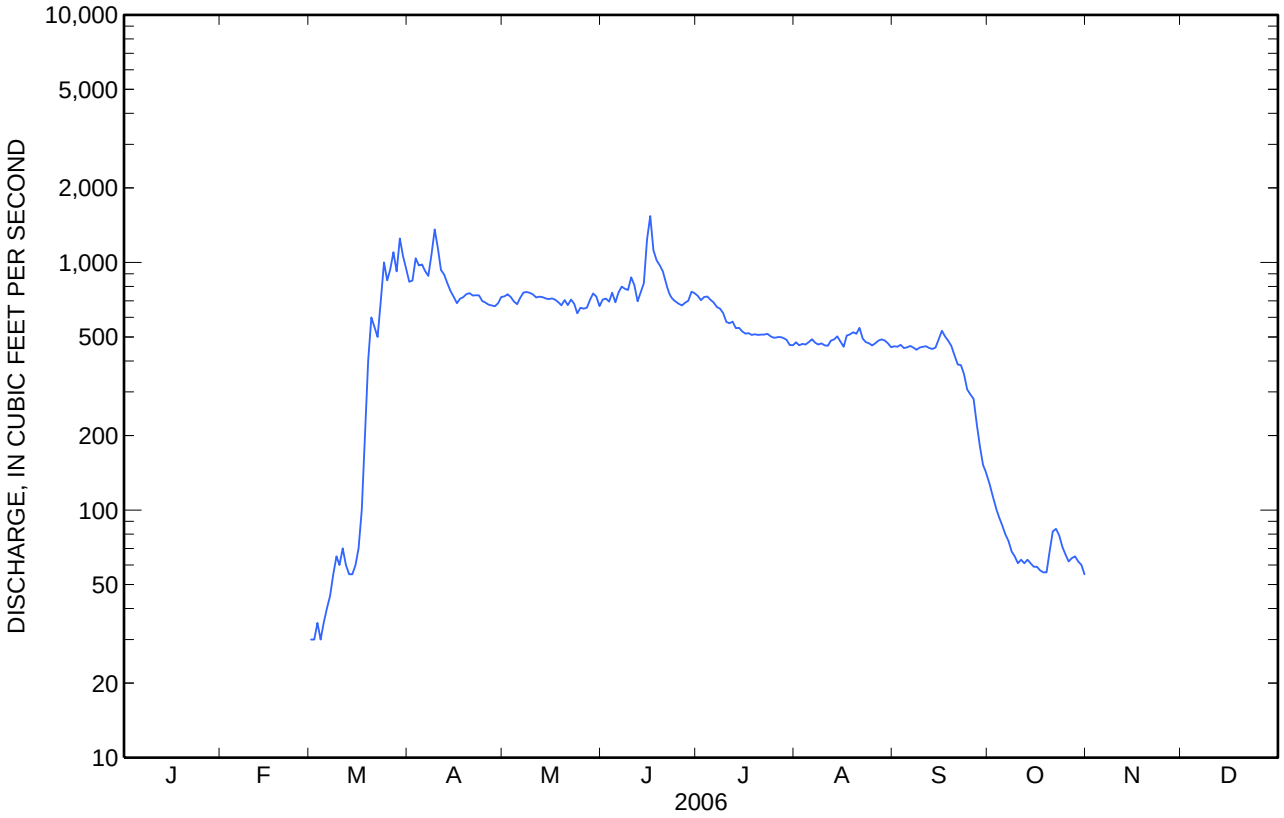
SUMMARY STATISTICS

	2006 Season		Seasons 1917 – 2006*	
Highest daily mean	1,540	Jun 16	12,400	Jun 12, 2002
Lowest daily mean	30	Mar 1,2 and 4	0.00	Feb 1, 1922
Maximum peak flow	[a]1,950	Jun 15	[c]14,400	Jun 12, 2002
Maximum peak stage	[b]7.32	Mar 24	[b]15.03	Mar 13, 1996

* Flow increased during irrigation season by water from St. Mary Canal.
[a] Gage height, 4.58 ft.
[b] Backwater from ice jam.
[c] Gage height, 10.78 ft, from floodmarks.