06154100 MILK RIVER NEAR HARLEM, MT

LOCATION.--Lat 48°29'22", long 108°45'28" (NAD 27), in NE¼SE¼NE¼ sec.32, T.32 N., R.23 E., Blaine County, Hydrologic Unit 10050004, Fort Belknap Indian Reservation, on right bank 30 ft downstream from U.S. Highway 2 bridge, 0.6 mi northeast of unincorporated community of Fort Belknap Agency, 3.5 mi southeast of Harlem, and at river mile 332.2.

DRAINAGE AREA.--9,822 mi^2.

PERIOD OF RECORD.--October 1959 to September 1969, October 1982 to current year (seasonal record beginning 1994 water year). Gage heights only for period Apr. 3-25, 1952, published as "at Fort Belknap" in 1260-B.

REVISED RECORDS.--WSP 1729: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 2,319.48 ft (NGVD 29). Apr. 3-25, 1952, nonrecording gage on old bridge 200 ft downstream at different elevation. Nov. 1, 1959, to Mar. 12, 1968, nonrecording gage or water-stage recorder at several sites within 0.5 mi of present site at different elevation.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow increased during irrigation season by water from St. Mary Canal (station number 05018500). Flow mainly regulated by Fresno Reservoir (station number 06136500) since 1939. Diversions for irrigation of about 60,000 acres of which about 13,000 acres lie downstream from station. Bureau of Reclamation satellite telemeter at station. Several observations of water temperature and specific conductance were made during the year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1952 reached a stage of about 23.5 ft, present site and elevation.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2004
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			e110	e190	25	213	159	453	400	151		
2			e110	e170	30	178	266	436	392	116		
3			e120	e200	31	154	394	446	377	120		
4			e120	e195	28	145	387	455	372	148		
5			e120	150	28	173	550	441	335	146		
6			e130	130	186	234	557	396	325	149		
7			e160	111	544	338	487	389	324	151		
8			e200	107	688	378	461	378	325	151		
9			e600	e100	890	360	412	365	337	148		
10			e2,000	e80	754	368	369	391	320	141		
11			e2,500	e60	626	377	309	e340	307	140		
12			e2,000	e60	628	392	253	e300	310	139		
13			e1,800	e40	484	348	224	e290	328	137		
14			e1,600	37	346	335	190	e280	358	147		
15			e1,400	30	207	347	188	e300	373	142		
16			e1,200	24	185	342	193	e300	369	131		
17			e1,000	28	248	330	254	e300	380	128		
18			1,000	36	264	338	275	329	378	135		
19			652	39	302	320	324	307	365	135		
20			751	37	371	313	337	274	365	137		
21			1,170	34	370	295	329	239	346	135		
22			994	33	353	280	324	234	384	136		
23			777	31	423	253	320	281	379	134		
24			e580	32	712	223	294	369	322	132		
25			e600	26	926	198	262	395	285	129		
26			e650	27	990	201	298	384	257	126		
27			e600	32	692	202	318	374	206	125		
28			e400	31	453	184	315	379	185	127		
29			e290	20	394	205	350	372	149	125		
30			e240	16	314	177	384	361	182	125		
31			e235	---	264	---	419	380	---	125		
TOTAL			24,109	2,106	12,756	8,201	10,202	10,938	9,735	4,211		
MEAN			778	70.2	411	273	329	353	324	136		
MAX			2,500	200	990	392	557	455	400	151		
MIN			110	16	25	145	159	234	149	116		
AC-FT			47,820	4,180	25,300	16,270	20,240	21,700	19,310	8,350		

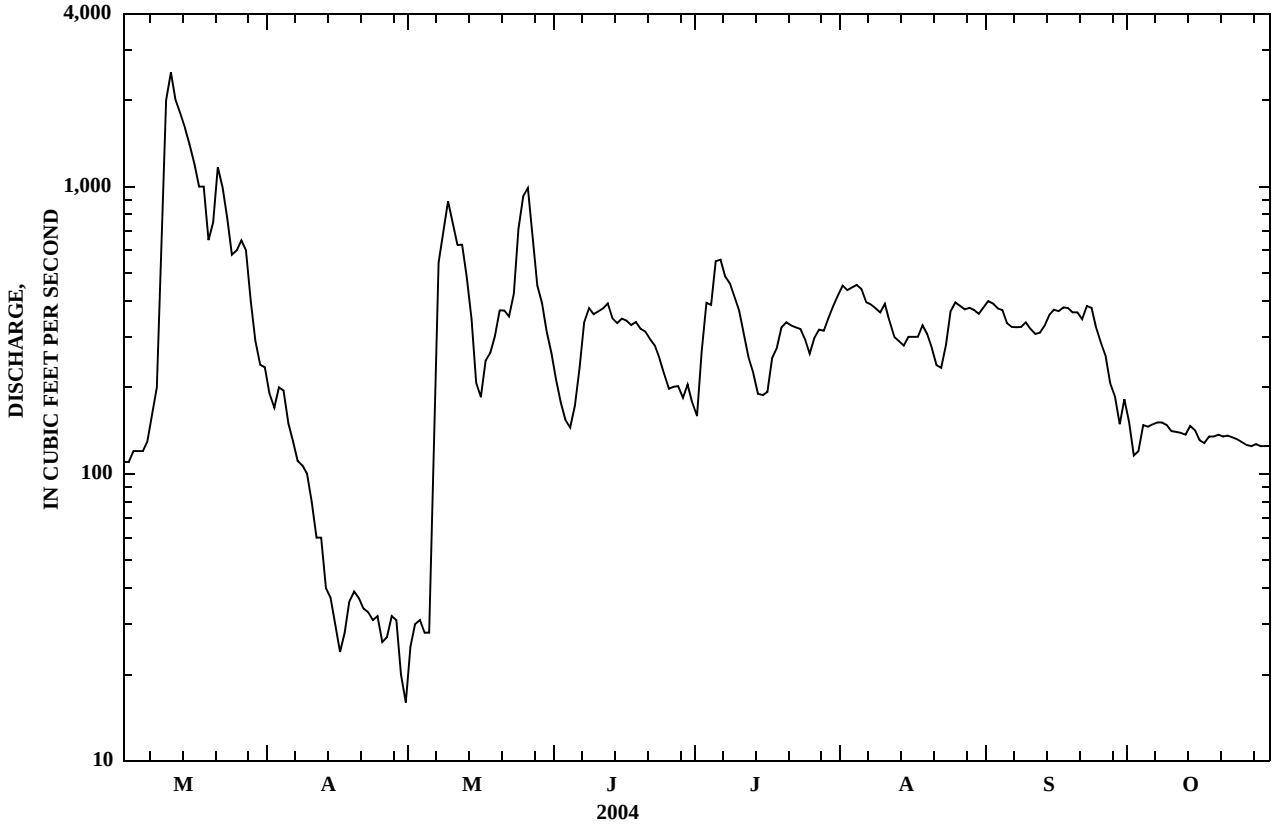
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1993 AND SEASONS 1994 - 2004*

MEAN	69.4	84.5	454	554	655	583	564	394	344	205	94.4	71.8
MAX	139	200	2,287	2,935	3,506	1,506	2,484	726	1,913	949	289	198
(WY)	(1990)	(1987)	(1996)	(1965)	(1967)	(1965)	(1965)	(1965)	(1986)	(1987)	(1987)	(1987)
MIN	19.0	26.5	37.1	54.4	129	232	138	10.3	20.9	37.4	31.2	25.9
(WY)	(1985)	(1985)	(2002)	(1961)	(2001)	(1985)	(2001)	(1988)	(1988)	(1989)	(1964)	(1985)

06154100 MILK RIVER NEAR HARLEM, MT—Continued

SUMMARY STATISTICS	FOR 2004 SEASON		WATER YEARS 1960 - 2004		SEASONS 1994 - 2004*	
ANNUAL MEAN			349			
HIGHEST ANNUAL MEAN			857	1965		
LOWEST ANNUAL MEAN			139	1984		
HIGHEST DAILY MEAN	2,500	Mar 11	12,900	Sep 29, 1986	6,190	Mar 18, 1996
LOWEST DAILY MEAN	16	Apr 30	b0.00	Aug 10, 1988	2.5	Apr 6, 2001
ANNUAL SEVEN-DAY MINIMUM			0.00	Aug 24, 1988		
MAXIMUM PEAK FLOW	Unknown		13,900	Sep 29, 1986	6,450	Mar 18, 1996
MAXIMUM PEAK STAGE	a17.83	Mar 10	25.73	Sep 29, 1986	23.88	Mar 18, 1996
INSTANTANEOUS LOW FLOW			0.00	Aug 1, 1988		
ANNUAL RUNOFF (AC-FT)			253,200			
10 PERCENT EXCEEDS			682			
50 PERCENT EXCEEDS			180			
90 PERCENT EXCEEDS			39			

*--During period of operation (1960-69, 1983 to current year. Seasonal records beginning water year 1994).
a--Backwater from ice, from outside gage reading. May have been higher during period of no gage-height record.
b--No flow on many days in August and September 1988.
e--Estimated.



06154400 PEOPLES CREEK NEAR HAYS, MT

LOCATION.--Lat 48°13'25", long 108°42'48" (NAD 27), in SW$^1/_4$ sec.35, T.29 N., R.23 E., Blaine County, Hydrologic Unit 10050009, on right bank 45 ft downstream from bridge on State Highway 66, 2.5 mi downstream from Myrtle Creek, 16.4 mi north of Hays, and at river mile 47.2.

DRAINAGE AREA.--220 mi^2.

PERIOD OF RECORD.--December 1966 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,714.10 ft (NGVD 29).

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Some storage in numerous stock and beaver ponds and diversions for irrigation of about 1,300 acres upstream from station. U.S. Geological Survey satellite telemeter at station. Several observations of water temperature and specific conductance were made during the year.

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	0.08	e0.05	e0.05	e0.00	e0.05	6.6	1.9	21	5.3	0.00	0.00
2	0.00	e0.05	e0.05	e0.05	e0.00	e0.05	6.6	4.0	19	5.2	0.00	0.00
3	0.00	e0.05	e0.05	e0.05	e0.00	e0.05	6.4	3.8	16	6.6	0.00	0.00
4	0.00	e0.05	e0.05	e0.05	e0.00	e0.05	7.2	2.7	14	8.3	0.00	0.00
5	0.00	e0.05	e0.05	e0.05	e0.00	e0.05	7.3	1.7	13	6.0	0.00	0.00
6	0.00	e0.05	e0.05	e0.05	e0.00	e0.05	6.7	1.4	12	5.7	0.00	0.00
7	0.00	e0.05	e0.05	e0.05	e0.00	e15	6.2	1.0	10	6.1	0.00	0.00
8	0.00	e0.05	e0.05	e0.05	e0.00	e110	7.0	1.1	11	5.8	0.00	0.01
9	0.00	e0.05	e0.05	e0.05	e0.00	209	6.5	1.1	10	5.7	0.00	0.01
10	0.00	e0.05	e0.05	e0.05	e0.00	85	5.9	1.1	11	5.6	0.00	0.02
11	0.00	e0.05	e0.05	e0.05	e0.00	44	4.7	1.4	13	5.2	0.00	0.03
12	0.00	e0.05	e0.05	e0.05	e0.05	52	4.1	3.2	16	5.2	0.00	0.04
13	0.00	e0.05	e0.05	e0.05	e0.05	41	3.9	3.9	18	4.6	0.00	0.05
14	0.00	e0.05	e0.05	e0.05	e0.05	21	3.4	4.0	19	4.0	0.00	0.05
15	0.00	e0.05	e0.05	e0.05	e0.05	21	2.4	3.5	20	2.7	0.00	0.03
16	0.00	e0.05	e0.05	e0.05	e0.05	13	2.5	3.7	17	1.3	0.00	0.04
17	0.00	e0.05	e0.05	e0.05	e0.05	10	2.1	3.7	14	0.70	0.00	0.02
18	0.00	e0.05	e0.05	e0.05	e0.10	8.8	2.4	3.8	12	0.43	0.00	0.03
19	0.00	e0.05	e0.05	e0.05	e0.10	8.4	2.5	6.3	11	0.46	0.00	0.02
20	0.00	e0.05	e0.05	e0.05	e0.10	7.5	2.6	6.9	10	0.24	0.00	0.01
21	0.00	e0.05	e0.05	e0.05	e0.10	9.7	2.3	6.3	8.3	0.03	0.00	0.00
22	0.01	e0.05	e0.05	e0.05	e0.10	9.4	1.7	8.9	6.4	0.00	0.00	0.00
23	0.02	e0.05	e0.05	e0.05	e0.05	8.8	1.3	15	5.9	0.00	0.00	0.00
24	0.03	e0.05	e0.05	e0.05	e0.05	8.2	0.95	32	6.1	0.00	0.00	0.00
25	0.00	e0.05	e0.05	e0.05	e0.10	7.9	0.66	64	5.8	0.00	0.00	0.00
26	0.04	e0.05	e0.05	e0.05	e0.10	7.4	0.38	68	5.5	0.00	0.00	0.00
27	0.02	e0.05	e0.05	e0.05	e0.10	7.1	0.29	50	5.4	0.00	0.00	0.00
28	0.00	e0.05	e0.05	e0.05	e0.05	7.1	0.21	38	5.5	0.00	0.00	0.00
29	0.05	e0.05	e0.05	e0.05	e0.05	7.2	0.42	30	5.4	0.00	0.00	0.00
30	0.05	e0.05	e0.05	e0.05	---	7.1	1.3	25	5.3	0.00	0.00	0.00
31	0.06	---	e0.05	e0.00	---	6.7	---	22	---	0.00	0.00	---
TOTAL	0.28	1.53	1.55	1.50	1.30	732.60	106.51	419.4	346.6	85.16	0.00	0.36
MEAN	0.01	0.05	0.05	0.05	0.04	23.6	3.55	13.5	11.6	2.75	0.00	0.01
MAX	0.06	0.08	0.05	0.05	0.10	209	7.3	68	21	8.3	0.00	0.05
MIN	0.00	0.05	0.05	0.00	0.00	0.05	0.21	1.0	5.3	0.00	0.00	0.00
AC-FT	0.6	3.0	3.1	3.0	2.6	1,450	211	832	687	169	0.00	0.7

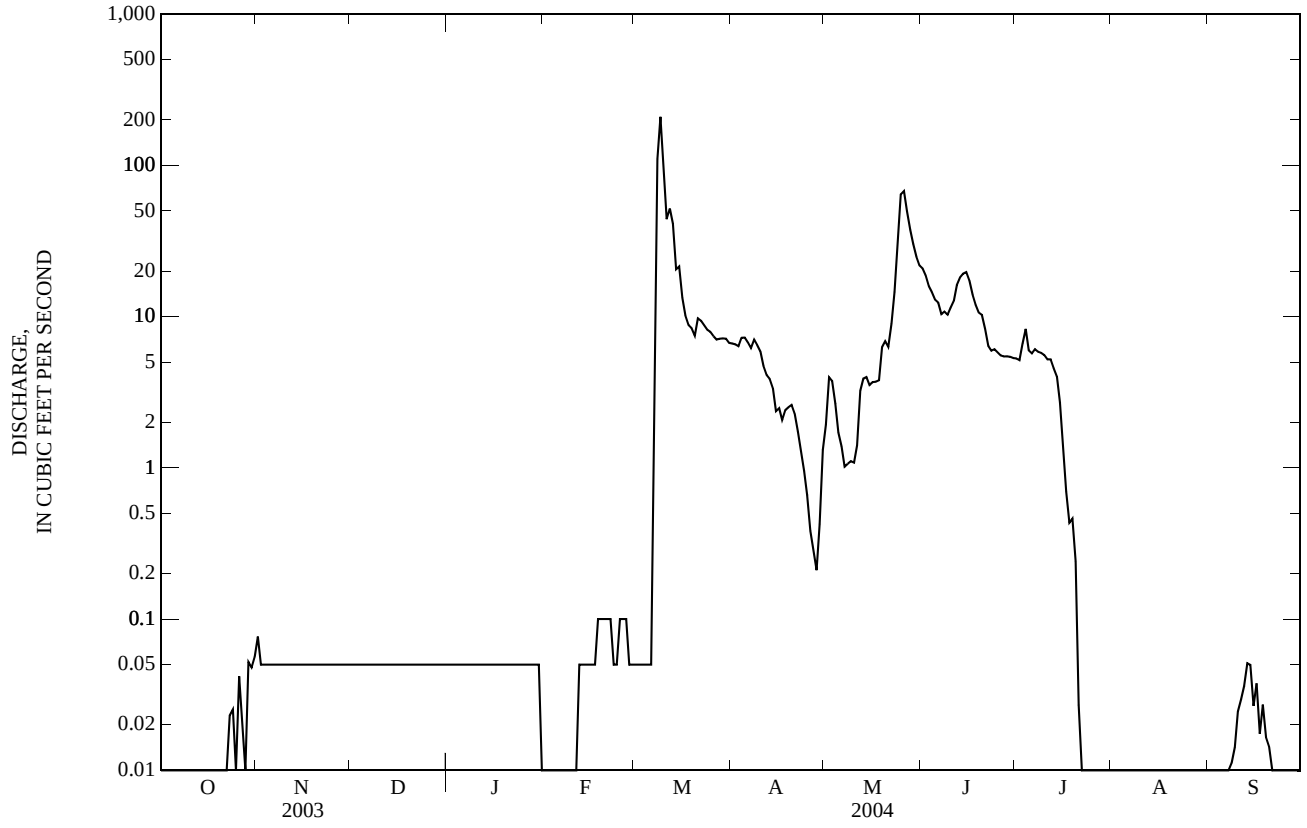
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2004, BY WATER YEAR (WY)

MEAN	3.33	3.23	2.64	3.38	8.78	28.7	17.2	29.3	20.4	8.07	2.30	3.51
MAX	37.1	20.5	12.9	30.0	74.9	285	122	190	123	51.5	21.3	57.6
(WY)	(1987)	(1987)	(1987)	(1971)	(1971)	(1979)	(1979)	(1975)	(1982)	(1975)	(1975)	(1986)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.01	0.03	0.00	0.00	0.00
(WY)	(1972)	(1972)	(1972)	(1972)	(1998)	(2002)	(2002)	(2001)	(2001)	(1972)	(1967)	(1969)

06154400 PEOPLES CREEK NEAR HAYS, MT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1967 - 2004	
ANNUAL TOTAL	1,088.57		1,696.79			
ANNUAL MEAN	2.98		4.64		10.8*	
HIGHEST ANNUAL MEAN					47.8	1979
LOWEST ANNUAL MEAN					0.10	2001
HIGHEST DAILY MEAN	309	Mar 14	209	Mar 9	1,000	Mar 7, 1979
LOWEST DAILY MEAN	0.00	Aug 6	0.00	Oct 1	c0.00	Dec 1, 1966
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 9	0.00	Oct 1	0.00	Dec 1, 1966
MAXIMUM PEAK FLOW			a238	Mar 9	d8,460	Jun 8, 1972
MAXIMUM PEAK STAGE			b7.18	Mar 8	15.03	Jun 8, 1972
INSTANTANEOUS LOW FLOW			0.00	Oct 1	0.00	Jan 2, 1995
ANNUAL RUNOFF (AC-FT)	2,160		3,370		7,790	
10 PERCENT EXCEEDS	1.4		10		20	
50 PERCENT EXCEEDS	0.05		0.05		1.0	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

*--Median of yearly mean discharge, 4.68 ft^3/s, 3,390 ac-ft/yr.
a--Gage height, 5.78 ft.
b--Backwater from ice.
c--No flow at times most years.
d--From floodmark, from rating curve extended above 490 ft3/s on basis of slope-area measurement of peak flow.
e--Estimated.



06154410 LITTLE PEOPLES CREEK NEAR HAYS, MT

LOCATION.--Lat 47°57'58", long 108°39'36" (NAD 27), in SE¼SE¼NW¼ sec.32, T.26 N., R.24 E., Blaine County, Hydrologic Unit 10050009, on right bank 0.5 mi upstream from west entrance to Mission Canyon, 2 mi southeast of Hays, and at river mile 23.1.

DRAINAGE AREA.--13.0 mi^2.

PERIOD OF RECORD.--August 1972 to current year.

REVISED RECORDS.--WDR MT-81-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 3,769.72 ft (NGVD 29). August 1972 to June 24, 1976, gage at former site at elevation 10.00 ft higher. Prior to Apr. 22, 1987, gage located 330 ft downstream.

REMARKS.--Records fair. No known regulation or diversion upstream from station.

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	1.2	1.1	1.1	e1.0	e1.0	1.1	e1.5	2.2	11	4.1	1.9	1.4
2	1.2	1.1	1.1	e1.0	e1.0	1.1	1.8	2.1	10	4.1	1.9	1.3
3	1.2	1.1	1.1	e1.0	e1.0	1.1	2.0	2.1	9.3	4.0	2.0	1.3
4	1.2	1.1	1.1	e1.0	e1.0	1.1	2.2	2.1	8.3	4.9	1.9	1.3
5	1.2	1.0	1.1	e1.0	e1.0	1.1	2.8	2.0	7.3	5.0	1.8	1.3
6	1.2	1.0	1.1	e1.0	e1.0	1.1	3.6	1.9	8.1	4.3	1.7	1.3
7	1.2	1.1	1.0	e1.0	1.0	1.1	3.7	1.9	7.0	4.0	1.8	1.3
8	1.2	1.0	1.1	e1.0	1.0	1.3	4.0	1.9	6.4	3.8	1.9	1.3
9	1.2	1.1	1.0	e1.0	1.0	1.3	4.0	1.9	6.0	3.6	1.7	1.3
10	1.2	1.1	1.1	e1.0	1.0	1.3	3.9	1.8	6.3	3.4	1.6	1.2
11	1.2	1.1	1.0	e1.0	1.0	1.2	3.7	1.8	12	3.8	1.6	1.2
12	1.2	1.1	1.1	e1.0	1.0	1.2	3.4	1.8	31	3.4	1.6	1.3
13	1.2	1.0	1.1	e1.0	1.0	1.3	3.4	1.8	26	3.2	1.5	1.4
14	1.1	1.1	1.1	e1.0	1.0	1.2	3.2	1.7	21	3.0	1.5	1.3
15	1.1	1.0	1.1	e1.0	1.0	1.3	3.2	1.7	21	2.9	1.5	1.3
16	1.1	1.0	1.1	e1.0	1.0	1.3	3.2	1.7	18	2.8	1.5	1.2
17	1.1	1.0	1.1	e1.0	1.1	1.4	3.0	1.7	16	2.7	1.5	1.2
18	1.1	1.1	1.1	e1.0	1.1	1.5	2.7	1.8	14	2.6	1.5	1.3
19	1.1	1.1	1.1	e1.0	1.1	1.4	2.4	1.8	12	2.7	1.4	1.4
20	1.1	1.1	1.1	e1.0	1.1	1.4	2.4	1.9	11	2.6	1.5	1.3
21	1.1	1.1	1.1	e1.0	e1.0	1.3	2.6	2.0	10	2.5	1.4	1.3
22	1.1	1.1	e1.0	e1.0	1.0	1.3	2.3	2.1	9.8	2.4	1.5	1.3
23	1.1	1.1	e1.0	e1.0	1.0	1.3	2.3	2.2	8.6	2.3	1.5	1.4
24	1.1	1.1	e1.0	e1.0	1.0	1.3	2.2	2.7	7.5	2.2	1.4	1.3
25	1.1	1.1	e1.0	e1.0	1.0	1.2	2.2	3.2	6.9	2.2	1.4	1.4
26	1.1	1.1	e1.0	e1.0	1.0	1.2	2.2	17	6.2	e2.1	1.5	1.4
27	1.0	1.1	e1.0	e1.0	1.1	1.3	2.1	22	5.6	2.1	1.4	1.4
28	1.0	1.1	e1.0	e1.0	1.1	1.3	2.1	18	5.0	2.0	1.4	1.5
29	1.1	1.1	e1.0	e1.0	1.1	1.3	2.2	16	4.7	2.0	1.4	1.5
30	1.1	1.1	e1.0	e1.0	---	1.4	2.2	14	4.4	2.0	1.3	1.5
31	1.1	---	e1.0	e1.0	---	1.5	---	13	---	1.9	1.3	---
TOTAL	35.2	32.3	32.8	31.0	29.70	39.2	82.5	149.8	330.4	94.6	48.8	39.9
MEAN	1.14	1.08	1.06	1.00	1.02	1.26	2.75	4.83	11.0	3.05	1.57	1.33
MAX	1.2	1.1	1.1	1.0	1.1	1.5	4.0	22	31	5.0	2.0	1.5
MIN	1.0	1.0	1.0	1.0	1.0	1.1	1.5	1.7	4.4	1.9	1.3	1.2
AC-FT	70	64	65	61	59	78	164	297	655	188	97	79

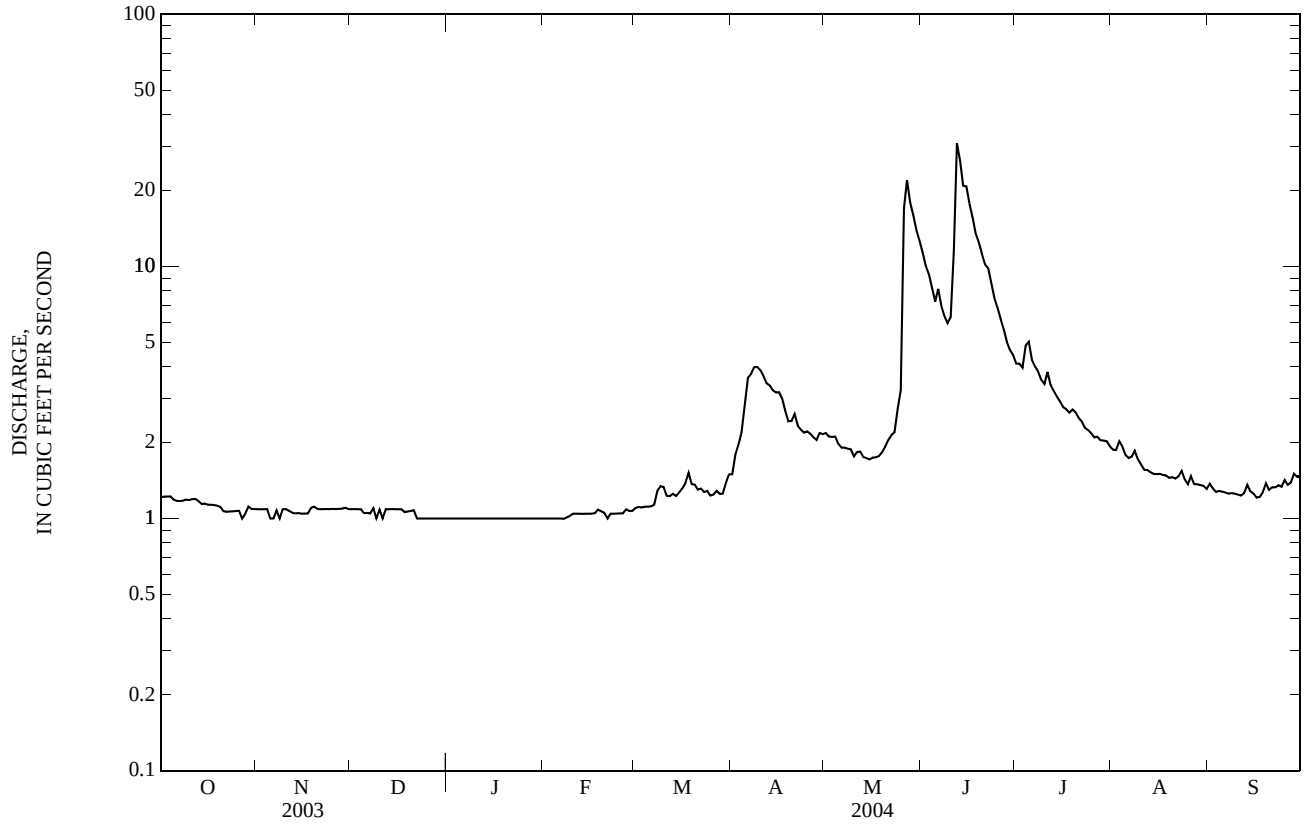
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2004, BY WATER YEAR (WY)

MEAN	2.31	2.12	1.97	1.86	1.76	2.26	4.42	11.7	8.26	5.23	2.86	2.51
MAX	6.92	4.60	3.75	3.84	3.51	5.52	21.5	75.6	26.6	32.9	8.11	8.42
(WY)	(1987)	(1987)	(1986)	(1976)	(1986)	(1996)	(1979)	(1974)	(1975)	(1993)	(1993)	(1978)
MIN	1.11	1.07	0.93	0.90	0.95	1.07	1.20	1.45	1.98	1.38	1.19	1.13
(WY)	(2002)	(2002)	(2002)	(2002)	(1997)	(2003)	(2002)	(2002)	(2000)	(2003)	(2003)	(2003)

06154410 LITTLE PEOPLES CREEK NEAR HAYS, MT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1972 - 2004	
ANNUAL TOTAL	581.31		946.20			
ANNUAL MEAN	1.59		2.59		3.95*	
HIGHEST ANNUAL MEAN					11.6	1974
LOWEST ANNUAL MEAN					1.46	2001
HIGHEST DAILY MEAN	8.4	May 11	31	Jun 12	500	May 25, 1974
LOWEST DAILY MEAN	0.95	Mar 11	1.0	Oct 27	0.67	May 21, 1997
ANNUAL SEVEN-DAY MINIMUM	0.97	Mar 5	1.0	Dec 22	0.76	May 18, 1997
MAXIMUM PEAK FLOW			34	Jun 12	a576	May 25, 1974
MAXIMUM PEAK STAGE			1.17	Jun 12	b4.57	May 25, 1974
INSTANTANEOUS LOW FLOW					0.67	May 21, 1997
ANNUAL RUNOFF (AC-FT)	1,150		1,880		2,860	
10 PERCENT EXCEEDS	2.8		4.8		6.5	
50 PERCENT EXCEEDS	1.1		1.3		2.2	
90 PERCENT EXCEEDS	1.0		1.0		1.3	

*--Median of yearly mean discharge, 2.06 ft^3/s.
a--From rating curve extended above 44 ft^3/s, on basis of slope-area measurement of flow.
b--From floodmark, at site and datum then in use.
e--Estimated.



06154550 PEOPLES CREEK BELOW KUHR COULEE, NEAR DODSON, MT

LOCATION.--Lat 48°21'49", long 108°21'16" (NAD 27), in NW¼NW¼NE¼ sec.16, T.30 N., R.26 E., Phillips County, Hydrologic Unit 10050009, on right bank 10 ft downstream from bridge on county highway, 2.4 mi downstream from Kuhr Coulee, 5.5 mi southwest of Dodson, and at river mile 7.8.

DRAINAGE AREA.--675 mi^2.

PERIOD OF RECORD.--April 1918 to November 1921 (fragmentary), June 1951 to September 1973, October 1981 to September 1988 (published as "near Dodson"), October 1988 to current year. Monthly discharge only for some periods, published in WSP 1309.

GAGE.--Water-stage recorder. Elevation of gage is 2,309.18 ft (NGVD 29) (levels by Bureau of Indian Affairs). Prior to June 1951, nonrecording gage at site 0.5 mi upstream at different elevation. June 1, 1951 to Sept. 30, 1988, water-stage recorder at sites 2.5 mi upstream at different elevation.

REMARKS.--Records fair. Diversions for irrigation of about 3,300 acres upstream from station. U. S. Geological Survey satellite telemeter at station.

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	e0.00	e0.00	22	2.1	59	28	0.00	0.00
2	0.00	0.00	0.00	e0.00	e0.00	0.00	17	2.2	61	28	0.00	0.00
3	0.00	0.00	0.00	e0.00	e0.00	e0.00	13	2.4	56	26	0.00	0.00
4	0.00	0.00	0.00	e0.00	e0.00	0.00	15	2.4	46	55	0.00	0.00
5	0.00	0.00	0.00	e0.00	e0.00	e0.00	16	3.2	43	67	0.00	0.00
6	0.00	0.00	0.00	e0.00	e0.00	0.00	13	3.2	44	50	0.00	0.00
7	0.00	0.00	0.00	0.00	e0.00	e0.50	11	3.0	40	40	0.00	0.00
8	0.00	0.00	0.00	e0.00	0.00	e0.50	8.9	2.4	38	44	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	e100	7.7	2.1	39	44	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	e930	7.6	1.8	40	37	0.00	0.00
11	0.00	0.00	0.00	e0.00	0.00	e700	6.9	2.0	45	35	0.00	0.00
12	0.00	0.00	0.00	e0.00	0.00	e300	6.6	2.8	44	30	0.00	0.00
13	0.00	0.00	0.00	e0.00	0.00	e200	6.3	4.3	46	27	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	e150	5.2	5.4	53	20	0.00	0.00
15	0.00	0.00	0.00	e0.00	0.00	e140	4.6	6.2	53	8.3	0.00	0.00
16	0.00	0.00	0.00	e0.00	0.00	e130	4.5	5.9	49	6.6	0.00	0.00
17	0.00	0.00	0.00	e0.00	0.00	140	4.5	6.8	47	5.2	0.00	0.00
18	0.00	0.00	0.00	e0.00	0.00	124	4.3	6.0	43	3.5	0.00	0.00
19	0.00	0.00	0.00	e0.00	0.00	124	4.0	6.8	42	2.6	0.00	0.00
20	0.00	0.00	0.00	e0.00	0.00	112	3.5	5.8	40	2.3	0.00	0.00
21	0.00	0.00	0.00	e0.00	0.00	81	3.5	4.3	38	1.7	0.00	0.00
22	0.00	0.00	0.00	e0.00	0.00	62	3.3	7.8	36	1.1	0.00	0.00
23	0.00	0.00	0.00	e0.00	0.00	54	2.9	21	34	0.74	0.00	0.00
24	0.00	0.00	0.00	e0.00	0.00	54	2.6	179	32	0.59	0.00	0.00
25	0.00	0.00	0.00	e0.00	0.00	56	2.2	249	33	0.43	0.00	0.00
26	0.00	0.00	0.00	e0.00	0.00	50	2.0	162	33	0.23	0.00	0.00
27	0.00	0.00	0.00	e0.00	0.00	45	2.0	137	30	0.02	0.00	0.01
28	0.00	0.00	0.00	e0.00	0.00	43	1.8	109	29	0.00	0.00	0.03
29	0.00	0.00	0.00	e0.00	0.00	40	1.9	103	28	0.00	0.00	0.07
30	0.00	0.00	0.00	e0.00	---	37	2.2	80	28	0.00	0.00	0.12
31	0.00	---	0.00	e0.00	---	30	---	69	---	0.00	0.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	3,703.00	206.0	1,197.9	1,249	564.31	0.00	0.23
MEAN	0.00	0.00	0.00	0.00	0.00	119	6.87	38.6	41.6	18.2	0.00	0.01
MAX	0.00	0.00	0.00	0.00	0.00	930	22	249	61	67	0.00	0.12
MIN	0.00	0.00	0.00	0.00	0.00	0.00	1.8	1.8	28	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	7,340	409	2,380	2,480	1,120	0.00	0.5

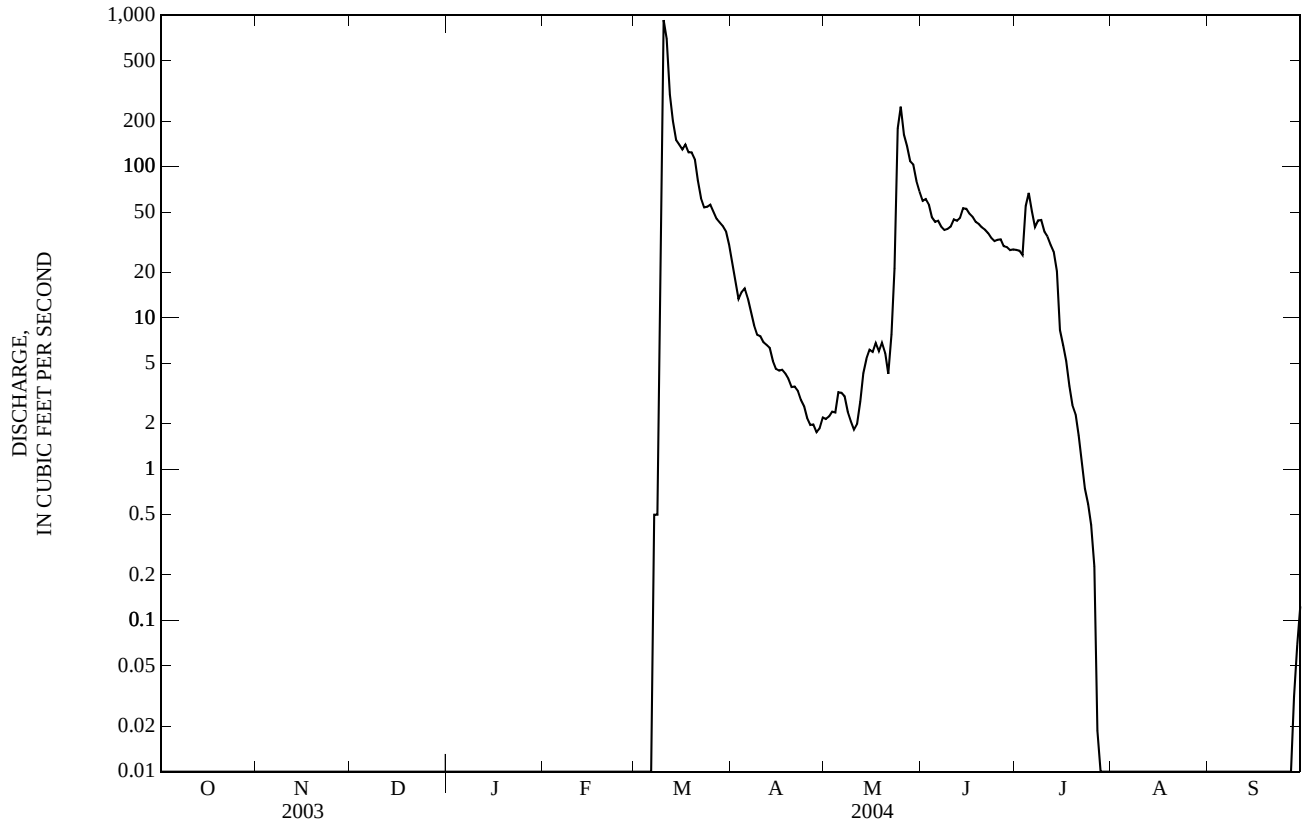
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918- 2004, BY WATER YEAR (WY)*

MEAN	8.18	5.55	4.37	5.07	29.3	79.3	52.9	53.1	41.2	22.0	3.26	12.5
MAX	195	63.6	61.5	64.1	369	385	520	575	332	128	31.2	480
(WY)	(1987)	(1987)	(1987)	(1971)	(1971)	(1996)	(1965)	(1986)	(1953)	(1983)	(1993)	(1986)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.09	0.00	0.00	0.00	0.00
(WY)	(1959)	(1957)	(1953)	(1956)	(1956)	(2002)	(1962)	(1998)	(2001)	(1918)	(1919)	(1918)

06154550 PEOPLES CREEK BELOW KUHR COULEE, NEAR DODSON, MT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1918 - 2004*	
ANNUAL TOTAL	2,237.83		6,920.44			
ANNUAL MEAN	6.13		18.9		26.7	
HIGHEST ANNUAL MEAN					131	1986
LOWEST ANNUAL MEAN					1.01	2001
HIGHEST DAILY MEAN	640	Mar 14	930	Mar 10	5,070	Sep 25, 1986
LOWEST DAILY MEAN	0.00	Jan 22	0.00	Oct 1	0.00	Jun 11, 1918
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 22	0.00	Oct 1	0.00	Jun 11, 1918
MAXIMUM PEAK FLOW			unknown		b7,590	Sep 25, 1986
MAXIMUM PEAK STAGE			a13.37	Mar 10	c17.05	Mar 29, 1952
INSTANTANEOUS LOW FLOW					0.00	many days
ANNUAL RUNOFF (AC-FT)	4,440		13,730		19,380	
10 PERCENT EXCEEDS	5.6		46		45	
50 PERCENT EXCEEDS	0.00		0.00		2.7	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

*--During period of operation [1918-21 (fragmentary), 1951-63, 1982 to current year.]
a--Backwater from ice.
b--Gage height, 15.91 ft, from floodmark, at different site and datum.
c--Backwater from ice, from floodmark in gage house, at different site and datum.
e--Estimated.



06155030 MILK RIVER NEAR DODSON, MT

LOCATION.--Lat 48°24'11", long 108°17'35" (NAD27), in NE¼SE¼NW¼ sec.36, T.31 N., R.26 E., Phillips County, Hydrologic Unit 10050004, on left bank 30 ft downstream from U.S. Highway 2 bridge, 0.95 mi downstream from Dodson Dam, 1.9 mi west of Dodson, and at river mile 273.2.

DRAINAGE AREA.--11,192 mi^2.

PERIOD OF RECORD.--October 1982 to current year (seasonal record beginning water year 1994).

GAGE.--Water-stage recorder. Elevation of gage is 2,250 ft (NGVD 29).

REMARKS.--Records good except those for estimated daily discharges, which are poor. Numerous diversions for irrigation upstream from station. U.S. Geological Survey satellite telemeter at station. Several observations of water temperature and specific conductance were made during the year.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2004
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			e90	7.0	0.00	2.2	0.08	1.0	0.09	1.5		
2			e90	6.7	0.18	0.10	0.09	1.4	0.35	2.0		
3			e80	6.2	0.49	0.01	0.31	0.99	0.54	1.9		
4			e80	5.8	0.50	0.00	0.16	1.8	0.47	1.7		
5			e80	6.1	0.84	0.02	0.03	2.0	0.49	1.6		
6			e90	5.9	0.61	0.11	121	0.78	0.74	1.5		
7			e90	5.5	1.1	0.00	259	1.1	0.89	1.6		
8			e100	5.4	0.77	0.00	159	0.68	0.90	1.7		
9			e100	5.6	0.48	0.13	94	0.44	0.59	2.0		
10			e250	5.2	0.26	0.62	42	0.44	0.00	2.3		
11			e2,200	5.6	45	1.5	11	0.24	0.00	116		
12			e3,000	6.4	143	0.93	2.1	0.22	0.02	76		
13			e2,800	5.4	132	0.88	0.47	0.73	0.18	13		
14			e2,400	5.7	79	0.35	0.14	0.47	0.49	0.03		
15			e2,400	5.4	8.5	0.28	0.62	1.2	0.30	0.00		
16			e2,200	5.6	0.51	0.54	1.1	0.17	0.22	0.00		
17			e2,000	5.9	0.00	0.40	0.70	0.21	0.27	0.00		
18			1,220	5.6	0.01	0.25	0.09	0.10	0.22	0.00		
19			819	5.8	0.41	0.01	0.28	0.27	0.54	0.00		
20			583	7.0	0.05	0.00	2.0	0.35	0.88	0.00		
21			509	1.2	0.00	0.00	2.5	0.24	0.52	0.00		
22			e717	0.40	0.05	0.21	3.9	0.48	0.50	0.00		
23			e700	0.42	0.67	0.65	2.4	0.95	0.51	0.00		
24			e500	0.23	0.46	0.51	2.4	0.61	0.55	0.00		
25			e400	0.03	375	0.01	1.3	0.48	0.54	0.00		
26			260	0.12	746	0.06	1.0	0.22	0.62	0.00		
27			305	0.20	754	0.24	0.33	0.33	1.0	0.00		
28			300	0.05	593	0.15	0.74	0.59	1.3	0.00		
29			153	0.16	353	1.1	1.1	0.48	1.3	0.00		
30			41	0.06	209	1.4	1.1	0.35	1.2	0.00		
31			12	---	51	---	0.41	0.08	---	0.00		
TOTAL			24,569	120.67	3,495.89	12.66	711.35	19.40	16.22	222.83		
MEAN			793	4.02	113	0.42	22.9	0.63	0.54	7.19		
MAX			3,000	7.0	754	2.2	259	2.0	1.3	116		
MIN			12	0.03	0.00	0.00	0.03	0.08	0.00	0.00		
AC-FT			48,730	239	6,930	25	1,410	38	32	442		

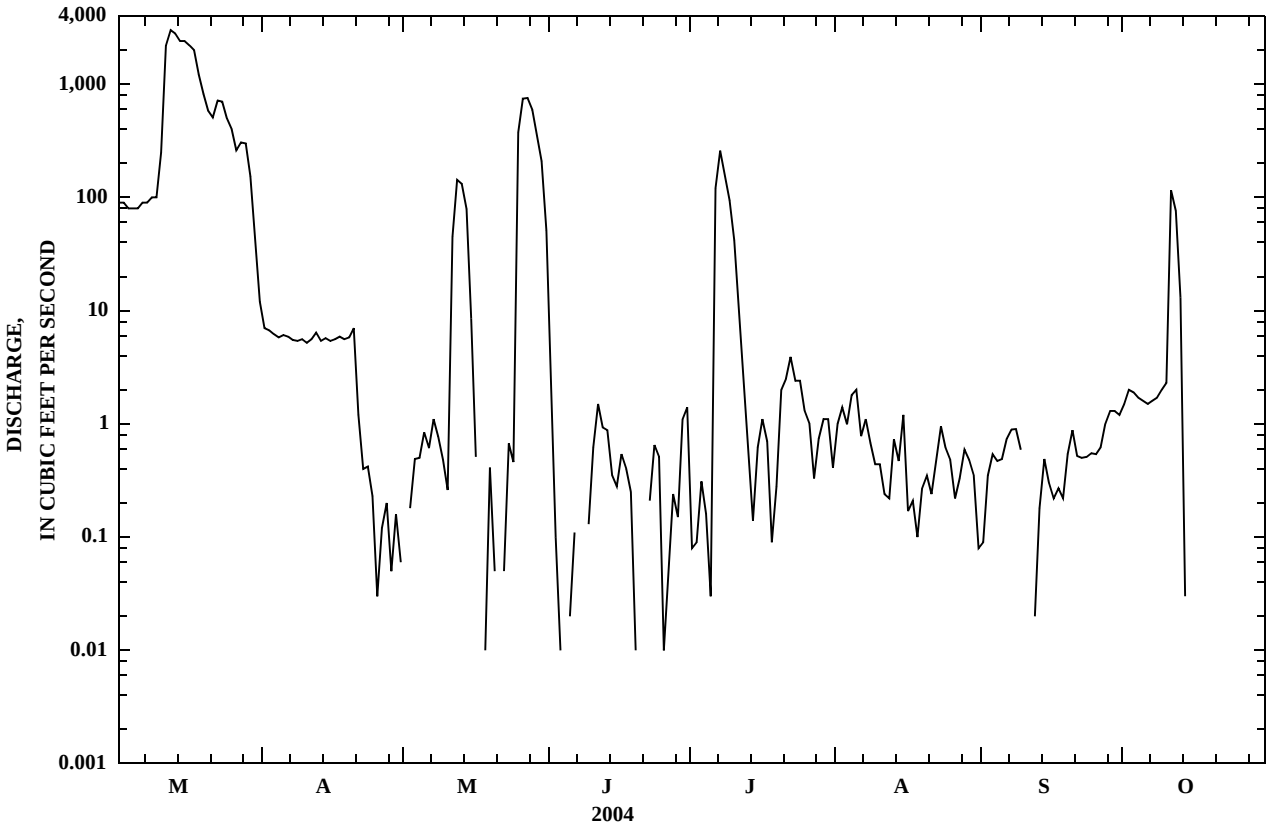
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1993 AND SEASONS 1994 - 2004*

MEAN	83.2	129	649	311	107	270	129	42.8	13.3	101	106	77.8
MAX	230	526	2,252	1,691	375	655	350	85.0	29.4	692	421	275
(WY)	(1990)	(1986)	(1996)	(1996)	(1994)	(1995)	(1998)	(2002)	(1999)	(1994)	(1987)	(1987)
MIN	18.2	20.3	19.2	2.35	3.41	0.42	8.72	0.63	0.06	5.39	25.3	17.3
(WY)	(1985)	(1985)	(2001)	(1999)	(2001)	(2004)	(2001)	(2004)	(2003)	(1998)	(1985)	(1985)

SUMMARY STATISTICS	FOR 2004 SEASON		SEASONS 1994 - 2004*		WATER YEARS 1982 - 1993	
ANNUAL MEAN					181	
HIGHEST ANNUAL MEAN					590	1996
LOWEST ANNUAL MEAN					36.6	1985
HIGHEST DAILY MEAN	3,000	Mar 12	5,000	Mar 20 1996	11,500	Sep 26, 1986
LOWEST DAILY MEAN	0.0	May 1	0.0	Aug 15 2003	c0.0	Sep 16, 1983
ANNUAL SEVEN-DAY MINIMUM					0.0	Sep 16, 1983
MAXIMUM PEAK FLOW	a3,000	Mar 12	b5,200	Mar 17 1994	13,200	Sep 26, 1986
MAXIMUM PEAK STAGE	a21.95	Mar 11	a24.51	Mar 14 1996	29.79	Sep 26, 1990
INSTANTANEOUS LOW FLOW					0.0	Oct 6, 1990
ANNUAL RUNOFF (AC-FT)					131,300	
10 PERCENT EXCEEDS					386	
50 PERCENT EXCEEDS					47	
90 PERCENT EXCEEDS					5.2	

*--Seasonal record beginning water year 1994.
a--Backwater from ice.
b--Gage height, 22.71 ft.
c--No flow at times most years.
e--Estimated.

06155030 MILK RIVER NEAR DODSON, MT—Continued



06155900 MILK RIVER AT CREE CROSSING, NEAR SACO, MT

LOCATION.--Lat 48°32'25", long 107°31'10" (NAD 27), in NW¼SE¼SE¼ sec.11, T.32 N., R.32 E., Phillips County, Hydrologic Unit 10050004, on right bank 25 ft upstream from bridge on Phillips County road, 500 ft upstream from Nelson Canal, 9.9 mi northwest of Saco, and at river mile 176.4.

DRAINAGE AREA.--13,118 mi^2.

PERIOD OF RECORD.--May 2000 to current year (seasonal records only).

GAGE.--Water-stage recorder. Elevation of gage is 2,188 ft (NGVD 29).

REMARKS.--Seasonal records good except those for estimated daily discharges, which are poor. U.S. Geological Survey satellite telemeter at station. Several observations of water temperature and specific conductance were made during the year.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2004
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			e90	271	28	472	50	130	102	69		
2			e90	191	28	356	57	120	98	69		
3			e90	157	29	272	64	117	92	71		
4			e80	140	27	196	88	105	89	71		
5			e70	112	26	162	99	207	85	71		
6			e50	85	26	155	164	236	74	67		
7			e40	71	31	146	204	338	80	60		
8			e35	66	30	137	141	196	88	49		
9			e100	64	27	138	292	157	84	44		
10			e1,250	74	24	141	343	143	90	36		
11			e2,000	77	24	165	266	128	100	34		
12			e1,400	68	32	189	215	125	97	34		
13			e2,200	58	40	182	175	106	99	33		
14			e3,000	50	153	171	143	96	104	71		
15			e3,800	48	255	150	132	102	109	132		
16			e3,500	45	207	153	120	117	116	79		
17			e3,200	45	163	151	108	113	118	62		
18			e2,900	47	122	116	113	90	113	50		
19			e2,600	45	112	81	100	77	116	45		
20			e2,300	44	105	80	86	93	114	39		
21			1,880	42	140	91	89	102	89	37		
22			1,030	44	118	87	91	91	82	36		
23			769	40	102	70	85	84	87	36		
24			913	40	588	60	74	103	93	35		
25			866	38	1,110	51	77	120	91	34		
26			667	35	568	48	98	114	86	33		
27			506	33	601	44	113	119	82	33		
28			428	31	997	55	100	127	84	33		
29			427	27	1,020	51	105	130	82	33		
30			435	28	1,030	48	109	123	76	33		
31			367	---	651	---	128	107	---	33		
TOTAL			37,083	2,116	8,414	4,218	4,029	4,016	2,820	1,562		
MEAN			1,196	70.5	271	141	130	130	94.0	50.4		
MAX			3,800	271	1,110	472	343	338	118	132		
MIN			35	27	24	44	50	77	74	33		
AC-FT			73,550	4,200	16,690	8,370	7,990	7,970	5,590	3,100		

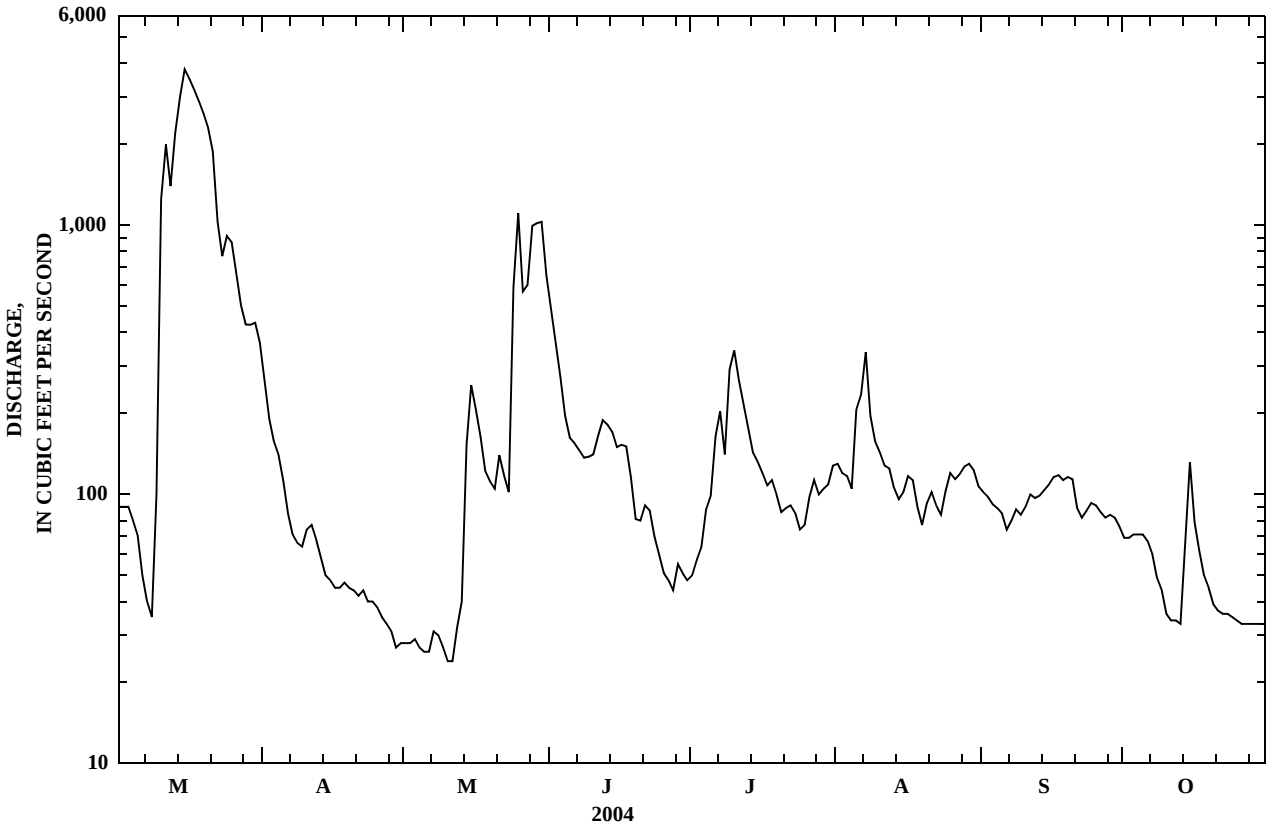
STATISTICS OF MONTHLY MEAN DATA FOR SEASONS 2000 - 2004

MEAN	488	60.9	114	202	138	113	57.3	32.1
MAX	1,196	125	271	517	244	225	108	50.1
(WY)	(2004)	(2003)	(2004)	(2002)	(2002)	(2002)	(2002)	(2005)
MIN	38.3	20.5	9.44	68.1	28.3	16.7	18.6	12.6
(WY)	(2002)	(2002)	(2001)	(2001)	(2001)	(2001)	(2000)	(2002)

SUMMARY STATISTICS	FOR 2004 SEASON		SEASONS 2000 - 2004	
HIGHEST DAILY MEAN	3,800	Mar 15	3,800	Mar 15 2004
LOWEST DAILY MEAN	24	May 10	2.6	May 28 2001
MAXIMUM PEAK FLOW	unknown		b2,600	Mar 21 2003
MAXIMUM PEAK STAGE	a15.19	Mar 14	a15.19	Mar 14 2004
INSTANTANEOUS LOW FLOW	21	May 10	2.6	May 28 2001

a--Backwater from ice.
b--Maximum peak discharge is known to be higher, occurred Mar. 15, 2004, but was affected by backwater from ice.

06155900 MILK RIVER AT CREE CROSSING, NEAR SACO, MT—Continued



06156500 BELANGER CREEK DIVERSION CANAL NEAR VIDORA, SASKATCHEWAN
(International gaging station)

LOCATION.--Lat 49°29'39", long 109°21'54" (NAD 27), in NW$^1/_4$ sec.19, T.6, R.25 W., third meridian, Hydrologic Unit 10050013, on left bank 0.3 mi downstream from diversion weir and 12 mi north of Vidora.

PERIOD OF RECORD.--March 1946 to current season (seasonal records only). Monthly discharge only for some periods, published in WSP 1309.

GAGE.--Water-stage recorder. Elevation of gage is 3,200 ft (NGVD 29), from Cypress Lake elevation.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Canal diverts water from right bank of Belanger Creek in SW$^1/_4$ sec.30, T.6, R.25 W., third meridian, for storage in Cypress Lake. Water Survey of Canada satellite telemeter at station.

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

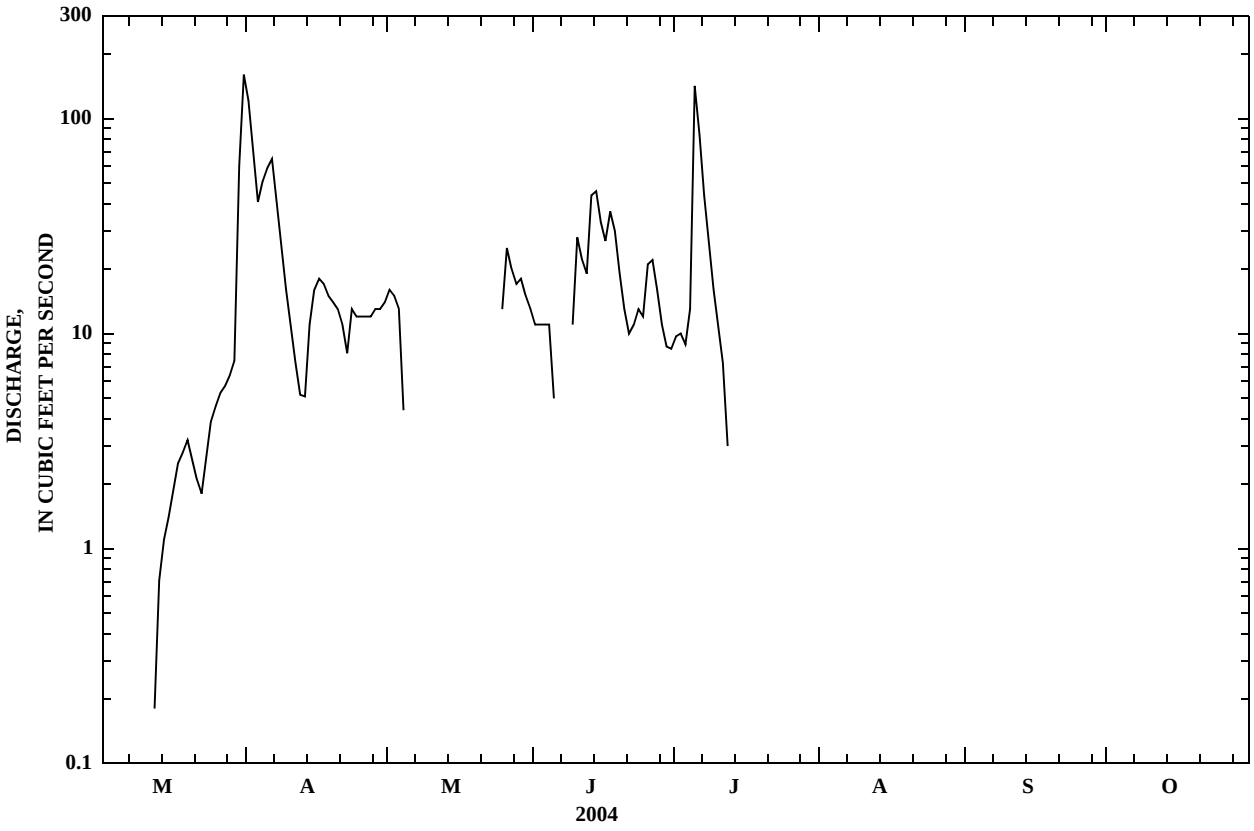
EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 696 ft^3/s, June 28, 1998; no flow at times each season.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2004
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		e0.00	e0.00	e121	16	11	9.7	0.00	0.00	0.00		
2		e0.00	e0.00	67	15	11	10	0.00	0.00	0.00		
3		e0.00	e0.00	41	13	11	8.9	0.00	0.00	0.00		
4		e0.00	e0.00	51	4.4	11	13	0.00	0.00	0.00		
5		e0.00	e0.00	59	0.00	5.0	142	0.00	0.00	0.00		
6		e0.00	e0.00	65	0.00	0.00	84	0.00	0.00	0.00		
7		e0.00	e0.00	41	0.00	0.00	44	0.00	0.00	0.00		
8		e0.00	e0.00	25	0.00	0.00	27	0.00	0.00	0.00		
9		e0.00	e0.00	16	0.00	11	16	0.00	0.00	0.00		
10		e0.00	e0.00	11	0.00	28	11	0.00	0.00	0.00		
11		e0.00	e0.00	7.3	0.00	22	7.3	0.00	0.00	0.00		
12		e0.00	e0.18	5.2	0.00	19	3.0	0.00	0.00	0.00		
13		e0.00	e0.71	5.1	0.00	44	0.00	0.00	0.00	0.00		
14		e0.00	e1.1	11	0.00	46	0.00	0.00	0.00	0.00		
15		e0.00	e1.4	16	0.00	33	0.00	0.00	0.00	0.00		
16		e0.00	e1.9	18	0.00	27	0.00	0.00	0.00	0.00		
17		e0.00	e2.5	17	0.00	37	0.00	0.00	0.00	0.00		
18		e0.00	e2.8	15	0.00	30	0.00	0.00	0.00	0.00		
19		e0.00	e3.2	14	0.00	19	0.00	0.00	0.00	0.00		
20		e0.00	e2.6	13	0.00	13	0.00	0.00	0.00	0.00		
21		e0.00	e2.1	11	0.00	10	0.00	0.00	0.00	0.00		
22		e0.00	e1.8	8.1	0.00	11	0.00	0.00	0.00	0.00		
23		e0.00	e2.6	13	0.00	13	0.00	0.00	0.00	0.00		
24		e0.00	e3.9	12	0.00	12	0.00	0.00	0.00	0.00		
25		e0.00	e4.6	12	13	21	0.00	0.00	0.00	0.00		
26		e0.00	e5.3	12	25	22	0.00	0.00	0.00	0.00		
27		e0.00	e5.7	12	20	16	0.00	0.00	0.00	0.00		
28		e0.00	e6.4	13	17	11	0.00	0.00	0.00	0.00		
29		e0.00	e7.5	13	18	8.7	0.00	0.00	0.00	0.00		
30		---	e60	14	15	8.5	0.00	0.00	0.00	0.00		
31		---	e160	---	13	---	0.00	0.00	---	0.00		
TOTAL		0.00	276.29	738.7	169.40	511.20	375.90	0.00	0.00	0.00		
MEAN		0.00	8.91	24.6	5.46	17.0	12.1	0.00	0.00	0.00		
MAX		0.00	160	121	25	46	142	0.00	0.00	0.00		
MIN		0.00	0.00	5.1	0.00	0.00	0.00	0.00	0.00	0.00		
AC-FT		0.00	548	1,470	336	1,010	746	0.00	0.00	0.00		

e--Estimated.

06156500 BELANGER CREEK DIVERSION CANAL NEAR VIDORA, SASKATCHEWAN—Continued



06157500 CYPRESS LAKE EAST OUTFLOW CANAL NEAR VIDORA, SASKATCHEWAN
(International gaging station)

LOCATION.--Lat 49°29'12", long 109°21'08" (NAD 27), in SE$^1/_4$ sec.19, T.6, R.25 W., third meridian, Hydrologic Unit 10050013, on right bank 500 ft upstream from Belanger Creek, and 12.3 mi north of Vidora.

PERIOD OF RECORD.--April to October 1940, April 1943 to current season (seasonal records only). Monthly discharge only for some periods, published in WSP 1309.

GAGE.--Water-stage recorder. Elevation of gage is 3,180 ft (NGVD 29). Prior to Sept. 26, 1946, at elevation 2.24 ft higher and Sept. 26, 1946, to May 18, 1950, at elevation 1.54 ft higher.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Canal diverts water from Cypress Lake for irrigation in Frenchman River basin in Saskatchewan. Water Survey of Canada satellite telemeter at station.

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

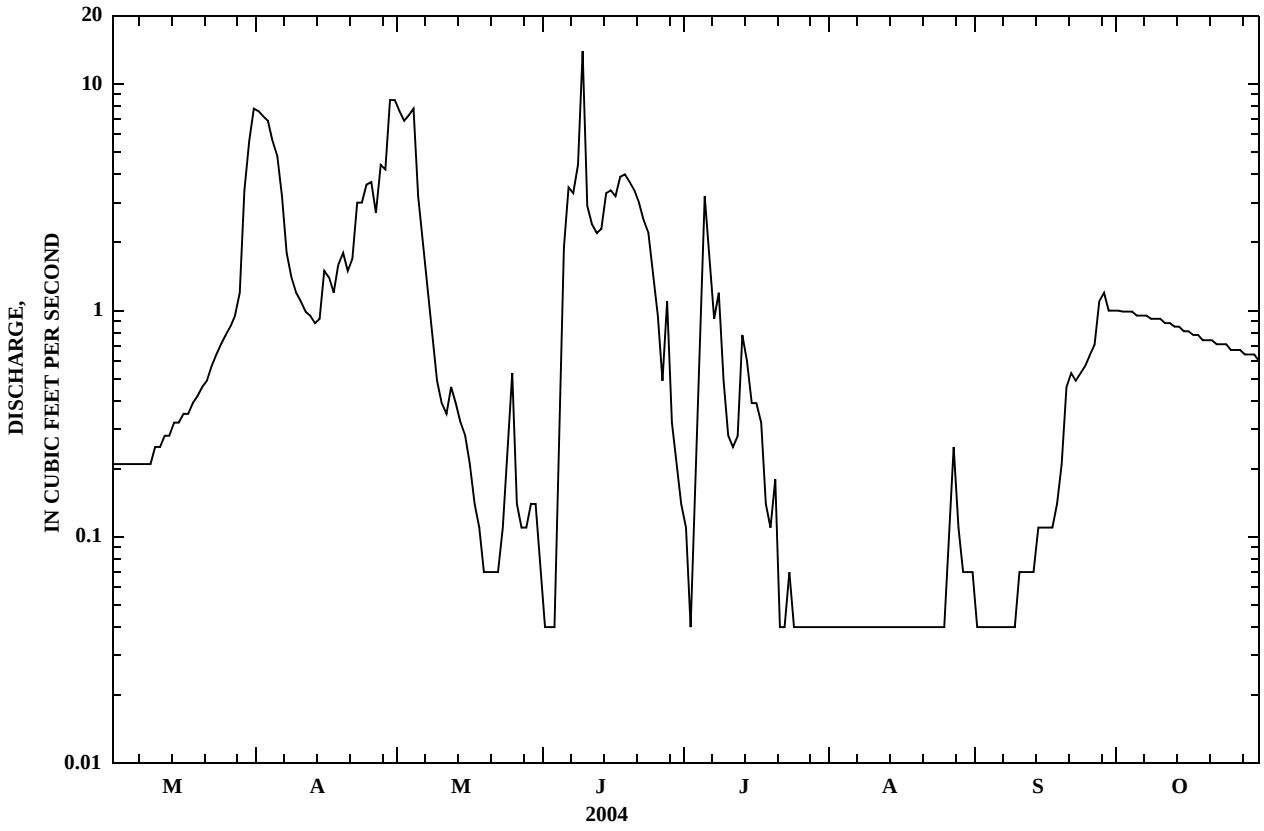
EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 202 ft^3/s, Apr. 19, 1952; no flow at times most seasons.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2004
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			e0.21	e7.6	7.6	0.04	0.11	0.04	0.04	e1.0		
2			e0.21	e7.2	6.9	0.04	0.04	0.04	0.04	e0.99		
3			e0.21	e6.9	7.3	0.04	0.18	0.04	0.04	e0.99		
4			e0.21	e5.6	7.8	0.35	0.64	0.04	0.04	e0.99		
5			e0.21	e4.8	3.2	1.9	3.2	0.04	0.04	e0.95		
6			e0.21	e3.2	1.9	3.5	1.8	0.04	0.04	e0.95		
7			e0.21	e1.8	1.2	3.3	0.92	0.04	0.04	e0.95		
8			e0.21	e1.4	0.78	4.4	1.2	0.04	0.04	e0.92		
9			e0.21	e1.2	0.49	14	0.49	0.04	0.04	e0.92		
10			e0.25	e1.1	0.39	2.9	0.28	0.04	0.07	e0.92		
11			e0.25	e0.99	0.35	2.4	0.25	0.04	0.07	e0.88		
12			e0.28	e0.95	0.46	2.2	0.28	0.04	0.07	e0.88		
13			e0.28	e0.88	0.39	2.3	0.78	0.04	0.07	e0.85		
14			e0.32	e0.92	0.32	3.3	0.60	0.04	0.11	e0.85		
15			e0.32	e1.5	0.28	3.4	0.39	0.04	0.11	e0.81		
16			e0.35	1.4	0.21	3.2	0.39	0.04	0.11	e0.81		
17			e0.35	1.2	0.14	3.9	0.32	0.04	0.11	e0.78		
18			e0.39	1.6	0.11	4.0	0.14	0.04	0.14	e0.78		
19			e0.42	1.8	0.07	3.7	0.11	0.04	0.21	e0.74		
20			e0.46	1.5	0.07	3.4	0.18	0.04	0.46	e0.74		
21			e0.49	1.7	0.07	3.0	0.04	0.04	0.53	e0.74		
22			e0.57	3.0	0.07	2.5	0.04	0.04	0.49	e0.71		
23			e0.64	3.0	0.11	2.2	0.07	0.04	0.53	e0.71		
24			e0.71	3.6	0.25	1.5	0.04	0.04	0.57	e0.71		
25			e0.78	3.7	0.53	0.95	0.04	0.04	0.64	e0.67		
26			e0.85	2.7	0.14	0.49	0.04	0.11	0.71	e0.67		
27			e0.95	4.4	0.11	1.1	0.04	0.25	1.1	e0.67		
28			e1.2	4.2	0.11	0.32	0.04	0.11	1.2	e0.64		
29			e3.4	8.5	0.14	0.21	0.04	0.07	1.0	e0.64		
30			e5.6	8.5	0.14	0.14	0.04	0.07	e1.0	e0.64		
31			e7.8	---	0.07	---	0.04	0.07	---	e0.60		
TOTAL			28.55	96.84	41.70	74.68	12.77	1.68	9.66	25.10		
MEAN			0.92	3.23	1.35	2.49	0.41	0.05	0.32	0.81		
MAX			7.8	8.5	7.8	14	3.2	0.25	1.2	1.0		
MIN			0.21	0.88	0.07	0.04	0.04	0.04	0.04	0.60		
AC-FT			57	192	83	148	25	3.3	19	50		

e--Estimated.

06157500 CYPRESS LAKE EAST OUTFLOW CANAL NEAR VIDORA, SASKATCHEWAN—Continued



06158500 EASTEND CANAL AT EASTEND, SASKATCHEWAN
(International gaging station)

LOCATION.--Lat 49°30'21", long 108°50'54" (NAD 27), in NW¼ sec.25, T.6, R.22 W., third meridian, Hydrologic Unit 10050013, on left bank 600 ft downstream from Eastend Reservoir headgate, 1.5 mi west of Eastend.

PERIOD OF RECORD.--March 1937 to current season (seasonal records only). Monthly discharge only for some periods, published in WSP 1309.

GAGE.--Water-stage recorder. Elevation of gage is 2,998.58 ft (Canadian Geodetic Vertical Datum 1928). Prior to June 1973, at sites within 1 mi, at different elevations.

REMARKS.--Records good. Canal diverts water from Eastend Reservoir in NW¼ sec.25, T.6, R.22 W., third meridian, on right bank for irrigation of about 3,100 acres in the Frenchman River basin in Saskatchewan. Water Survey of Canada satellite telemeter at station.

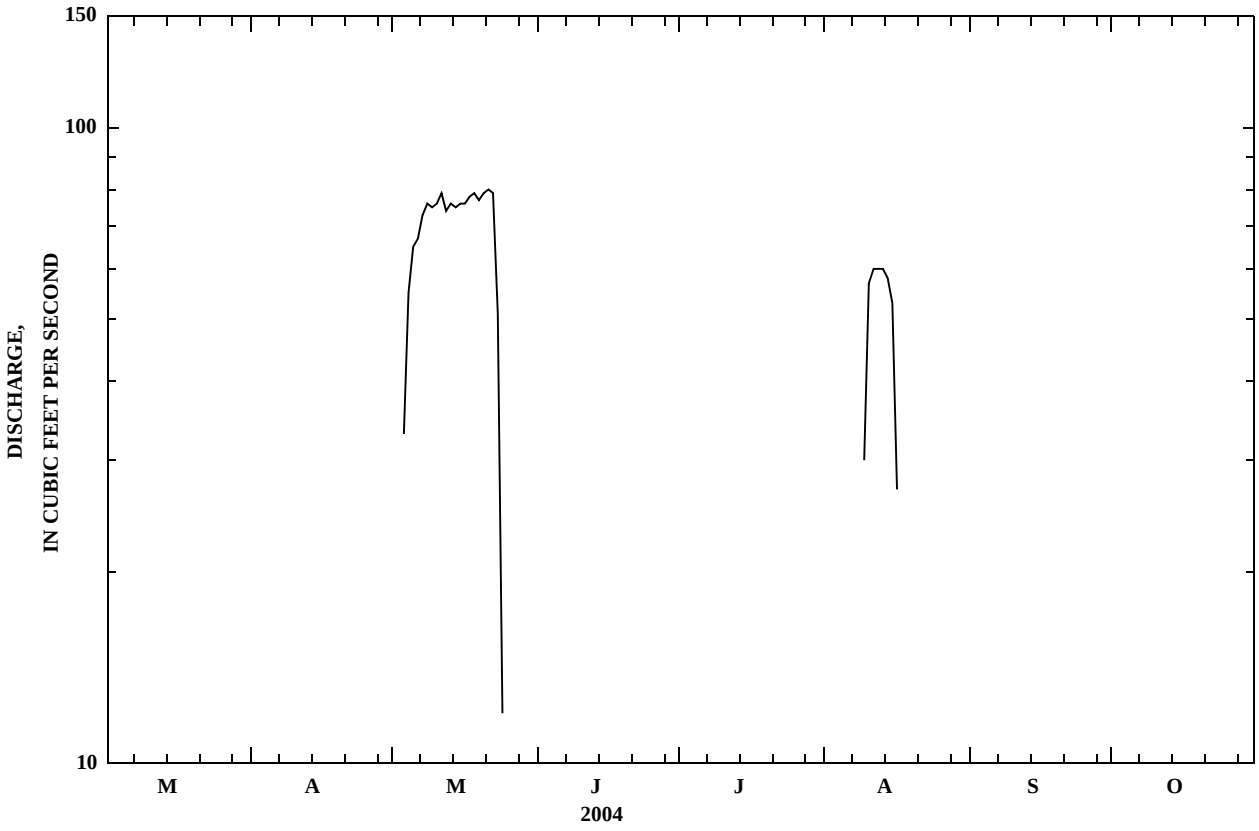
COOPERATION.--This is one of a number of stations which are maintained jointly by Canada and the United States.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 91 ft³/s, May 18, 1993; no flow at times each season.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2004
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
2		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3		0.00	0.00	0.00	33	0.00	0.00	0.00	0.00	0.00		
4		0.00	0.00	0.00	55	0.00	0.00	0.00	0.00	0.00		
5		0.00	0.00	0.00	65	0.00	0.00	0.00	0.00	0.00		
6		0.00	0.00	0.00	67	0.00	0.00	0.00	0.00	0.00		
7		0.00	0.00	0.00	73	0.00	0.00	0.00	0.00	0.00		
8		0.00	0.00	0.00	76	0.00	0.00	0.00	0.00	0.00		
9		0.00	0.00	0.00	75	0.00	0.00	30	0.00	0.00		
10		0.00	0.00	0.00	76	0.00	0.00	57	0.00	0.00		
11		0.00	0.00	0.00	79	0.00	0.00	60	0.00	0.00		
12		0.00	0.00	0.00	74	0.00	0.00	60	0.00	0.00		
13		0.00	0.00	0.00	76	0.00	0.00	60	0.00	0.00		
14		0.00	0.00	0.00	75	0.00	0.00	58	0.00	0.00		
15		0.00	0.00	0.00	76	0.00	0.00	53	0.00	0.00		
16		0.00	0.00	0.00	76	0.00	0.00	27	0.00	0.00		
17		0.00	0.00	0.00	78	0.00	0.00	0.00	0.00	0.00		
18		0.00	0.00	0.00	79	0.00	0.00	0.00	0.00	0.00		
19		0.00	0.00	0.00	77	0.00	0.00	0.00	0.00	0.00		
20		0.00	0.00	0.00	79	0.00	0.00	0.00	0.00	0.00		
21		0.00	0.00	0.00	80	0.00	0.00	0.00	0.00	0.00		
22		0.00	0.00	0.00	79	0.00	0.00	0.00	0.00	0.00		
23		0.00	0.00	0.00	51	0.00	0.00	0.00	0.00	0.00		
24		0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00		
25		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
26		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
27		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
28		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
29		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
30		---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
31		---	0.00	---	0.00	---	0.00	0.00	---	0.00		
TOTAL		0.00	0.00	0.00	1,511.00	0.00	0.00	405.00	0.00	0.00		
MEAN		0.00	0.00	0.00	48.7	0.00	0.00	13.1	0.00	0.00		
MAX		0.00	0.00	0.00	80	0.00	0.00	60	0.00	0.00		
MIN		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
AC-FT		0.00	0.00	0.00	3,000	0.00	0.00	803	0.00	0.00		

06158500 EASTEND CANAL AT EASTEND, SASKATCHEWAN—Continued



06161300 HUFF LAKE PUMPING CANAL NEAR VAL MARIE, SASKATCHEWAN
(International gaging station)

LOCATION.--Lat 49°22'20", long 107°53'05" (NAD 27), in NW$^1/_4$ sec.7, T.5, R.14 W., third meridian, Hydrologic Unit 10050013, on right bank 50 ft downstream from pump discharge outlet, and 11 mi northwest of Val Marie.

PERIOD OF RECORD.--March 1963 to current season (seasonal records only). Published as Val Marie West Pumping Canal near Val Marie, Saskatchewan, March 1963 to October 1980. July 1950 to current season in reports of Department of the Environment, Canada.

GAGE.--Water-stage recorder. Prior to 1956 and subsequent to 1960, records obtained from occasional discharge measurements and records of pump operation.

REMARKS.--Records fair. Canal diverts water from Huff Lake in NW$^1/_4$ sec.7, T.5, R.14 W., third meridian, on left bank for irrigation of about 2,100 acres in the Frenchman River basin in Saskatchewan.

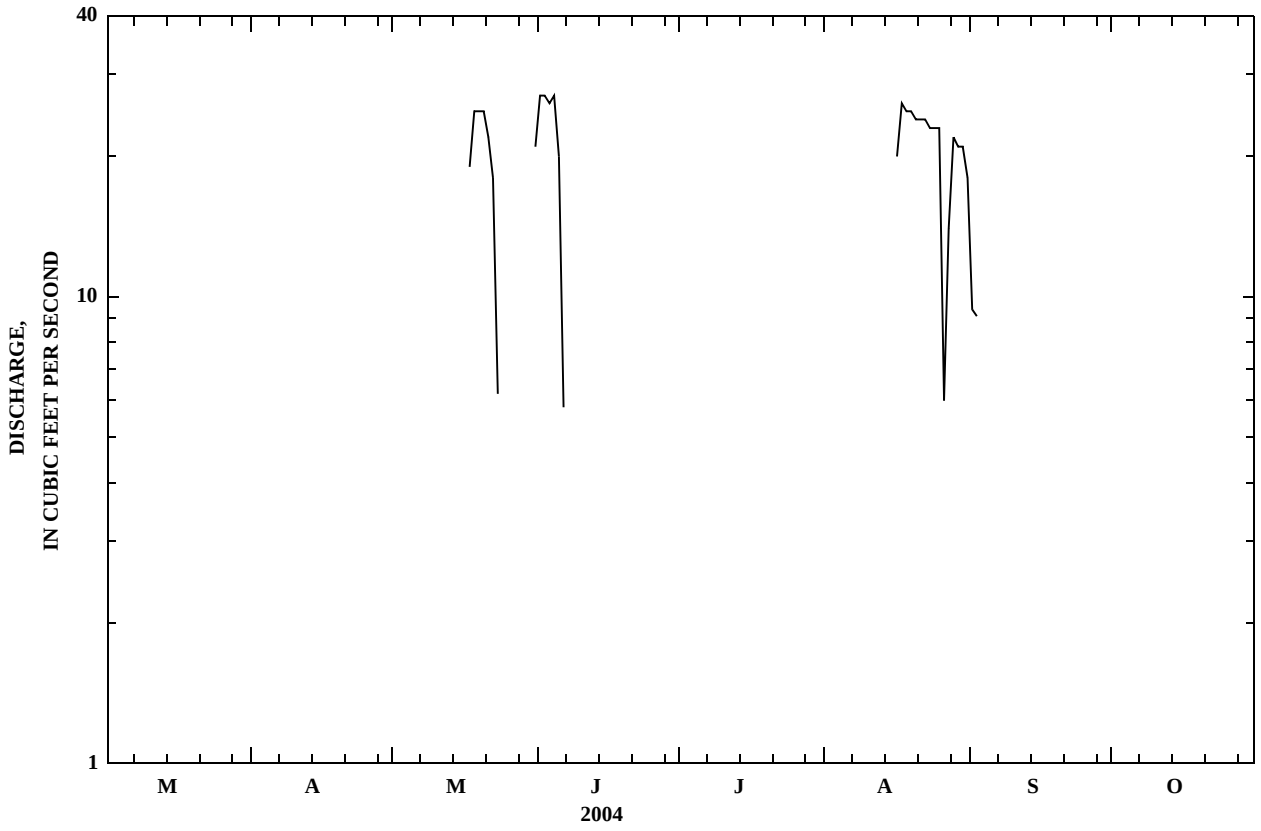
COOPERATION.--This is one of a number of stations which are maintained jointly by Canada and the United States.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 31 ft^3/s, May 30 to June 2, 7-10, 1975, May 5, 6, 7, 9, 1977; no flow at times each season.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2004
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		0.00	0.00	0.00	0.00	27	0.00	0.00	9.4	0.00		
2		0.00	0.00	0.00	0.00	27	0.00	0.00	9.1	0.00		
3		0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00		
4		0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00		
5		0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00		
6		0.00	0.00	0.00	0.00	5.8	0.00	0.00	0.00	0.00		
7		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
8		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
9		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
10		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
11		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
12		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
13		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
14		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
15		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
16		0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00		
17		0.00	0.00	0.00	19	0.00	0.00	26	0.00	0.00		
18		0.00	0.00	0.00	25	0.00	0.00	25	0.00	0.00		
19		0.00	0.00	0.00	25	0.00	0.00	25	0.00	0.00		
20		0.00	0.00	0.00	25	0.00	0.00	24	0.00	0.00		
21		0.00	0.00	0.00	22	0.00	0.00	24	0.00	0.00		
22		0.00	0.00	0.00	18	0.00	0.00	24	0.00	0.00		
23		0.00	0.00	0.00	6.2	0.00	0.00	23	0.00	0.00		
24		0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00		
25		0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00		
26		0.00	0.00	0.00	0.00	0.00	0.00	6.0	0.00	0.00		
27		0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00		
28		0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00		
29		0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00		
30		---	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00		
31		---	0.00	---	21	---	0.00	18	---	0.00		
TOTAL		0.00	0.00	0.00	161.20	132.80	0.00	339.00	18.50	0.00		
MEAN		0.00	0.00	0.00	5.20	4.43	0.00	10.9	0.62	0.00		
MAX		0.00	0.00	0.00	25	27	0.00	26	9.4	0.00		
MIN		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
AC-FT		0.00	0.00	0.00	320	263	0.00	672	37	0.00		

06161300 HUFF LAKE PUMPING CANAL NEAR VAL MARIE, SASKATCHEWAN—Continued



06161500 HUFF LAKE GRAVITY CANAL NEAR VAL MARIE, SASKATCHEWAN
(International gaging station)

LOCATION.--Lat 49°22'10", long 107°53'06" (NAD 27), in SW$^1/_4$, sec. 7, T. 5, R.14 W., third meridian, Hydrologic Unit 10050013, on right bank 100 ft downstream from Huff Lake headgate and 11 mi northwest of Val Marie.

PERIOD OF RECORD.--March 1946 to current season (seasonal records only). Published as Val MarieWest Gravity Canal near Val Marie, Saskatchewan, March 1946 to October 1980. Monthly figures only prior to March 1947, published in WSP 1309.

GAGE.--Water-stage recorder. Elevation of gage is 2,662.88 ft (Canadian Geodetic Vertical Datum 1928). Prior to Sept. 27, 1949, at site 0.5 mi downstream at different datum.

REMARKS.--Records fair. Canal diverts water from Huff Lake in SW$^1/_4$, sec. 7, T. 5, R.14 W., third meridian, on left bank for irrigation of about1,900 acres in the Frenchman River basin in Saskatchewan. Since 1962, records have been based on gate openings in Huff Lake Dam.

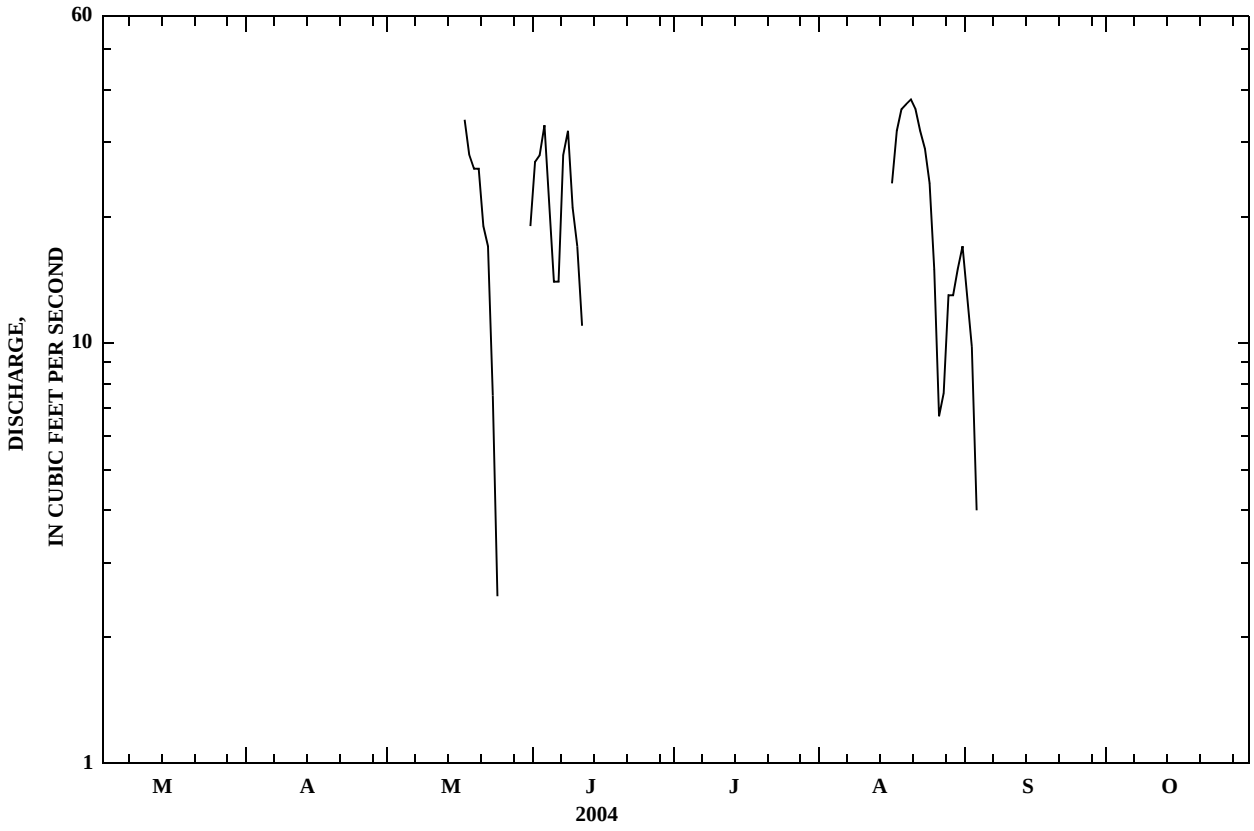
COOPERATION.--This is one of a number of stations which are maintained jointly by Canada and the United States.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 68 ft^3/s, July 24, 1996; no flow at times each season.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2004
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		0.00	0.00	0.00	0.00	27	0.00	0.00	13	0.00		
2		0.00	0.00	0.00	0.00	28	0.00	0.00	9.8	0.00		
3		0.00	0.00	0.00	0.00	33	0.00	0.00	4.0	0.00		
4		0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00		
5		0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00		
6		0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00		
7		0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00		
8		0.00	0.00	0.00	0.00	32	0.00	0.00	0.00	0.00		
9		0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00		
10		0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00		
11		0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00		
12		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
13		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
14		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
15		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
16		0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00		
17		0.00	0.00	0.00	34	0.00	0.00	32	0.00	0.00		
18		0.00	0.00	0.00	28	0.00	0.00	36	0.00	0.00		
19		0.00	0.00	0.00	26	0.00	0.00	37	0.00	0.00		
20		0.00	0.00	0.00	26	0.00	0.00	38	0.00	0.00		
21		0.00	0.00	0.00	19	0.00	0.00	36	0.00	0.00		
22		0.00	0.00	0.00	17	0.00	0.00	32	0.00	0.00		
23		0.00	0.00	0.00	7.5	0.00	0.00	29	0.00	0.00		
24		0.00	0.00	0.00	2.5	0.00	0.00	24	0.00	0.00		
25		0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00		
26		0.00	0.00	0.00	0.00	0.00	0.00	6.7	0.00	0.00		
27		0.00	0.00	0.00	0.00	0.00	0.00	7.6	0.00	0.00		
28		0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00		
29		0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00		
30		---	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00		
31		---	0.00	---	19	---	0.00	17	---	0.00		
TOTAL		0.00	0.00	0.00	179.00	248.00	0.00	375.30	26.80	0.00		
MEAN		0.00	0.00	0.00	5.77	8.27	0.00	12.1	0.89	0.00		
MAX		0.00	0.00	0.00	34	33	0.00	38	13	0.00		
MIN		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
AC-FT		0.00	0.00	0.00	355	492	0.00	744	53	0.00		

06161500 HUFF LAKE GRAVITY CANAL NEAR VAL MARIE, SASKATCHEWAN—Continued



06162500 NEWTON LAKE MAIN CANAL NEAR VAL MARIE, SASKATCHEWAN
(International gaging station)

LOCATION.--Lat 49°18'18", long 107°48'05" (NAD 27), in NE$^1/_4$ sec.15, T.4, R.14 W., third meridian, Hydrologic Unit 10050013, on right bank about 500 ft downstream from Newton Lake headgate, and 5.4 mi northwest of Val Marie.

PERIOD OF RECORD.--April 1937 to current season (seasonal records only). Published as Val Marie Main Canal near Val Marie, Saskatchewan, March 1962 to October 1980. Prior to April 1947 monthly discharge only, published in WSP 1309. Prior to March 1962, published as Val Marie Canal near Val Marie.

GAGE.--Water-stage recorder. Elevation of gage is 2,622.03 ft (Canadian Geodetic Vertical Datum 1928). Prior to May 21, 1963, at several sites within 2 mi of present site at different elevations.

REMARKS.--Records good. Canal diverts water from Newton Lake in SE$^1/_4$ sec.22, T.4, R.14 W., third meridian, on left bank for irrigation of about 4,700 acres in the Frenchman River basin in Saskatchewan.

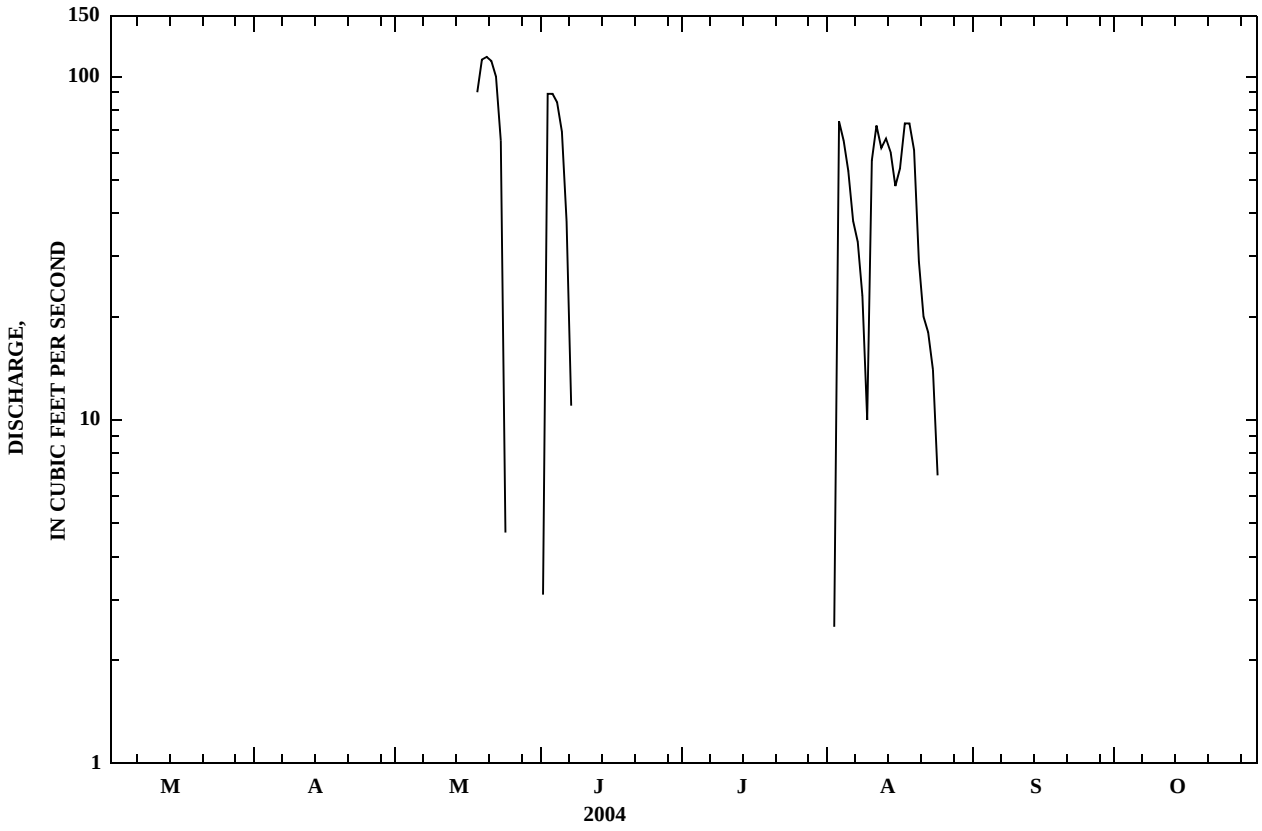
COOPERATION.--This is one of a number of stations which are maintained jointly by Canada and the United States.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 131 ft^3/s, May 23, 1997; no flow at times each season.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2004
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		0.00	0.00	0.00	0.00	3.1	0.00	0.00	0.00	0.00		
2		0.00	0.00	0.00	0.00	89	0.00	2.5	0.00	0.00		
3		0.00	0.00	0.00	0.00	89	0.00	74	0.00	0.00		
4		0.00	0.00	0.00	0.00	84	0.00	65	0.00	0.00		
5		0.00	0.00	0.00	0.00	69	0.00	53	0.00	0.00		
6		0.00	0.00	0.00	0.00	38	0.00	38	0.00	0.00		
7		0.00	0.00	0.00	0.00	11	0.00	33	0.00	0.00		
8		0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00		
9		0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00		
10		0.00	0.00	0.00	0.00	0.00	0.00	57	0.00	0.00		
11		0.00	0.00	0.00	0.00	0.00	0.00	72	0.00	0.00		
12		0.00	0.00	0.00	0.00	0.00	0.00	62	0.00	0.00		
13		0.00	0.00	0.00	0.00	0.00	0.00	66	0.00	0.00		
14		0.00	0.00	0.00	0.00	0.00	0.00	60	0.00	0.00		
15		0.00	0.00	0.00	0.00	0.00	0.00	48	0.00	0.00		
16		0.00	0.00	0.00	0.00	0.00	0.00	54	0.00	0.00		
17		0.00	0.00	0.00	0.00	0.00	0.00	73	0.00	0.00		
18		0.00	0.00	0.00	90	0.00	0.00	73	0.00	0.00		
19		0.00	0.00	0.00	112	0.00	0.00	61	0.00	0.00		
20		0.00	0.00	0.00	114	0.00	0.00	29	0.00	0.00		
21		0.00	0.00	0.00	111	0.00	0.00	20	0.00	0.00		
22		0.00	0.00	0.00	100	0.00	0.00	18	0.00	0.00		
23		0.00	0.00	0.00	65	0.00	0.00	14	0.00	0.00		
24		0.00	0.00	0.00	4.7	0.00	0.00	6.9	0.00	0.00		
25		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
26		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
27		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
28		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
29		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
30		---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
31		---	0.00	---	0.00	---	0.00	0.00	---	0.00		
TOTAL		0.00	0.00	0.00	596.70	383.10	0.00	1,012.40	0.00	0.00		
MEAN		0.00	0.00	0.00	19.2	12.8	0.00	32.7	0.00	0.00		
MAX		0.00	0.00	0.00	114	89	0.00	74	0.00	0.00		
MIN		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
AC-FT		0.00	0.00	0.00	1,180	760	0.00	2,010	0.00	0.00		

06162500 NEWTON LAKE MAIN CANAL NEAR VAL MARIE, SASKATCHEWAN—Continued



06164000 FRENCHMAN RIVER AT INTERNATIONAL BOUNDARY
(International gaging station)

LOCATION.--Lat 49°00'00", long 107°18'06" (NAD 27), in SE¼ sec.5, T.1, R.10 W., third meridian, in Saskatchewan, Hydrologic Unit 10050013, on left bank 50 ft north of international boundary, 22 mi northeast of Whitewater, MT, and at river mile 76.4.

DRAINAGE AREA.--2,120 mi^2, of which 343 mi^2 probably is noncontributing.

PERIOD OF RECORD.--April 1917 to current season (seasonal records only for most years).

REVISED RECORDS.--WSP 1389: 1938(M), 1939-41, 1942(M), 1943, 1950(M). W 1983: Drainage area.

GAGE.--Water-stage recorder and concrete control since August 1949. Elevation of gage is 2,420 ft (NGVD 29). Prior to June 23, 1937, water-stage recorder at site 0.5 mi upstream at different elevation. June 23, 1937, to October 1952, water-stage recorder at site 100 ft downstream at present elevation.

REMARKS.--Seasonal records fair. Natural flow of stream affected by several storage reservoirs, diversions for irrigation of about 14,500 acres, and return flow from irrigated areas. Water may be diverted into or from Battle Creek basin through Cypress Lake. Water Survey of Canada satellite telemeter at station. Several observations of water temperature and specific conductance were made during the year.

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

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2004
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			2.9	562	23	180	11	1.0	3.1	0.11		
2			3.0	600	22	116	11	1.2	1.9	0.07		
3			2.9	551	22	60	11	1.1	1.3	0.07		
4			3.2	403	21	47	14	1.1	1.1	0.07		
5			3.0	558	17	53	14	1.1	0.95	0.07		
6			3.2	858	11	48	18	1.1	0.81	0.07		
7			3.2	537	7.6	46	27	1.1	0.67	0.07		
8			3.8	254	6.0	53	60	1.6	0.57	0.07		
9			4.8	182	3.9	46	133	8.2	0.49	0.07		
10			5.3	130	2.7	31	126	7.8	0.42	0.07		
11			7.7	151	7.5	54	113	7.4	0.35	0.07		
12			12	192	9.1	227	105	7.1	0.28	0.07		
13			12	175	29	158	96	6.8	0.25	0.07		
14			11	169	63	104	91	6.4	0.21	0.07		
15			10	162	57	52	88	8.9	0.18	0.07		
16			13	124	65	36	85	8.9	0.14	0.07		
17			17	99	54	26	84	8.6	0.14	0.07		
18			42	93	39	97	82	8.3	0.14	12		
19			82	103	308	105	64	7.8	0.14	75		
20			75	91	216	103	28	7.4	0.14	60		
21			37	75	96	101	14	7.0	0.11	65		
22			48	65	188	101	8.5	6.7	0.11	65		
23			42	60	295	80	5.4	8.2	0.11	58		
24			62	65	883	69	3.3	7.7	0.11	38		
25			91	58	1,170	54	2.0	7.2	0.11	24		
26			133	48	809	31	1.2	7.9	0.11	14		
27			193	46	692	27	0.85	8.4	0.11	9.5		
28			188	43	586	22	0.60	7.9	0.11	9.0		
29			184	40	646	15	0.57	7.3	0.11	9.0		
30			157	28	593	12	0.57	6.7	0.11	8.9		
31			396	---	279	---	0.57	5.4	---	8.8		
TOTAL			1,848.0	6,522	7,220.8	2,154	1,298.56	183.3	14.38	457.43		
MEAN			59.6	217	233	71.8	41.9	5.91	0.48	14.8		
MAX			396	858	1,170	227	133	8.9	3.1	75		
MIN			2.9	28	2.7	12	0.57	1.0	0.11	0.07		
AC-FT			3,670	12,940	14,320	4,270	2,580	364	29	907		

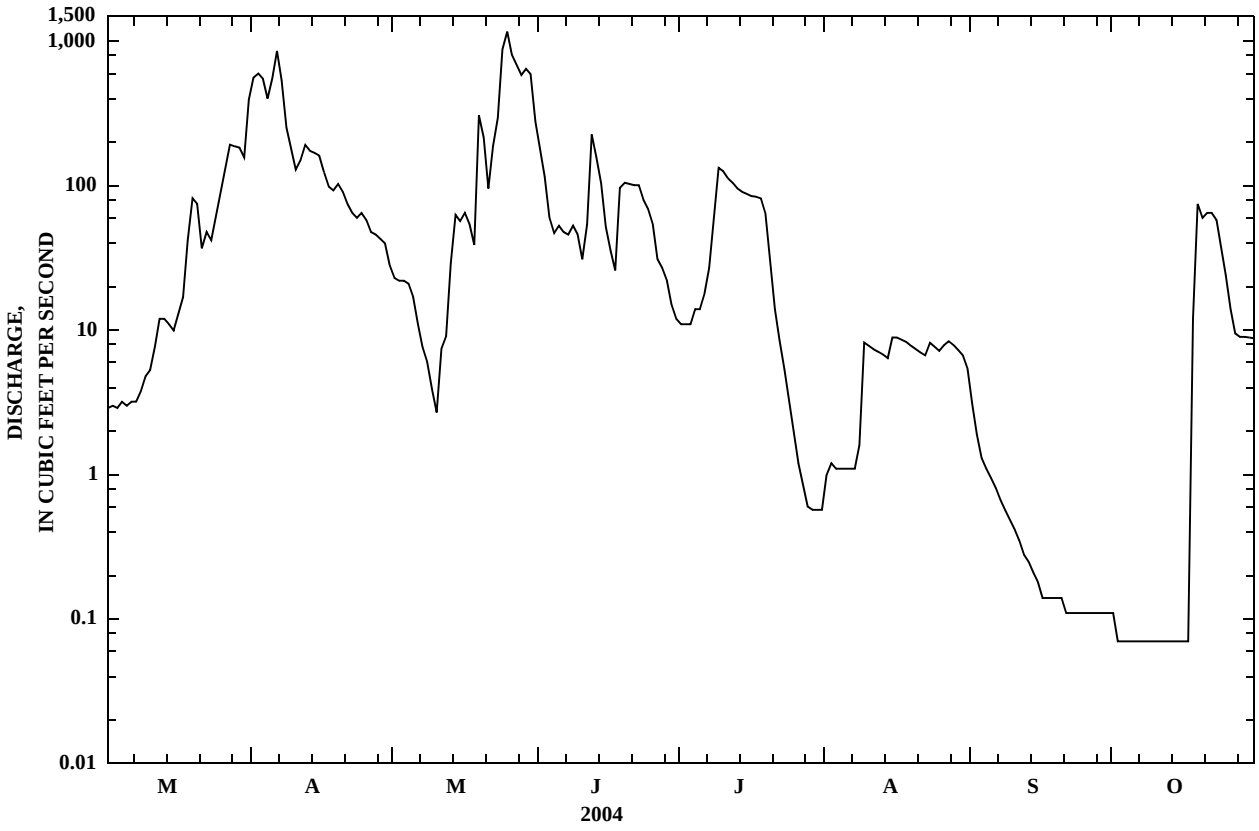
STATISTICS OF MONTHLY MEAN DATA FOR SEASONS 1917 - 2004

MEAN	180	399	139	84.6	52.9	17.0	7.13	10.5
MAX	1,490	5,313	1,051	886	602	199	65.9	77.7
(WY)	(1997)	(1952)	(1927)	(1923)	(1955)	(2002)	(1951)	(1966)
MIN	0.00	0.35	2.54	0.39	0.02	0.00	0.00	0.00
(WY)	(2002)	(2000)	(1937)	(1937)	(1984)	(1934)	(1919)	(1932)

SUMMARY STATISTICS	FOR 2004 SEASON		FOR SEASONS 1917 - 2004*	
HIGHEST DAILY MEAN	1,170	May 25	19,200	Apr 15, 1952
LOWEST DAILY MEAN	0.00	Oct 1	0.00	Jul 28, 1919
MAXIMUM PEAK FLOW	1,200	May 25	a22,700	Apr 15, 1952
MAXIMUM PEAK STAGE	8.81	May 25	b19.90	Apr 15, 1952

*--Seasonal record most years.
a--From rating curve extended above 2,300 ft^3/s on basis of slope-area measurement of peak flow.
b--From floodmark.

06164000 FRENCHMAN RIVER AT INTERNATIONAL BOUNDARY—Continued



RESERVOIRS IN FRENCHMAN RIVER BASIN IN SASKATCHEWAN
(International gaging stations)

All elevations listed for the following reservoirs are referenced to the National Geodetic Vertical Datum of 1929.

06157000 CYPRESS LAKE

LOCATION.--Lat 49°27'30", long 109°30'25" (NAD 27), in SE$^1/_4$ sec.12, T.6, R.27 W., third meridian, Hydrologic Unit 10050013, on south shore, and 12 mi north of Consul.

DRAINAGE AREA.--107 mi^2.

PERIOD OF RECORD, February 1939 to current season (seasonal records only). Records prior to October 1946, published only in WSP 1309. March to May 1952 daily elevations and contents, published in WSP 1260-B. Water-stage recorder. Elevation of gage is at mean sea level (Geodetic Survey of Canada datum; subtract 33.67 ft to obtain Reclamation Service datum). Prior to 1969 season, at Reclamation Service datum. Prior to 1940, nonrecording gage on natural lake at "South" station. February 1940 to Apr. 28, 1955, elevation obtained from average of nonrecording gage readings at west and east dams. Apr. 29, 1955, to Aug. 21, 1984, gage located at east dam.

REMARKS.--This is an offstream reservoir formed by two earthfill dams on a natural lake of the same name which is the head of the Frenchman River. There are concrete control works at both dams. The following capacity figures are from capacity table effective January 1971; see previous reports for superseded figures. Usable capacity, 79,500 acre-ft between elevation 3,187.0 ft, bottom of west outlet works, and 3,201.9 ft, maximum design level. Dead storage, 24,300 acre-ft. Water is diverted from Battle Creek on west, 12 mi northwest of Consul, and from Belanger Creek, in the Frenchman River basin, on the east, 12 mi north of Vidora. Water is released to the same streams for irrigation. Figures given herein represent total contents. Water Survey of Canada satellite telemeter at station. This is one of a number of stations which are maintained jointly by Canada and the United States.

REVISED RECORDS.--W 1983: Drainage area.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 117,300 acre-ft, Apr. 21, 1955, elevation, 3,203.36 ft; minimum observed since first filling, 8,190 acre-ft, Nov. 17, 1992, elevation, 3,183.17 ft.

EXTREMES FOR CURRENT SEASON.--Maximum contents, 21,720 acre-ft, Apr. 18, elevation, 3,186.42 ft; minimum, 13,190 acre-ft, Oct. 31, elevation, 3,184.44 ft.

06159000 EASTEND RESERVOIR

LOCATION.--Lat 49°30'26", long 108°51'08" (NAD 27), in NW$^1/_4$ sec.25, T.6, R.22 W., third meridian Hydrologic Unit 10050013, at dam on Frenchman River, 1.6 mi west of Eastend, and at mile 300.5.

DRAINAGE AREA.--619 mi^2.

PERIOD OF RECORD.--February 1937 to current season (seasonal records only). Prior to 1958, published as East End Reservoir at East End. Nonrecording gages read about once a day during irrigation season and twice a day during high stages February 1937 to July 1979. Water-stage recorder. Elevation of gage is at mean sea level (Geodetic Survey of Canada datum).

REMARKS.--Reservoir is formed by earthfill dam completed in 1939, breached during flood in 1952 and rebuilt the same year with a concrete spillway and control works. The following capacity figures are from capacity table effective September 1982. Usable capacity, 1,690 acre-ft between elevation 2,993.5 ft, bottom of outlet works, and 3,012.0 ft, maximum design level. No dead storage. Water is used for irrigation. Water Survey of Canada satellite telemeter at station. This is one of a number of stations which are maintained jointly by Canada and the United States.

REVISED RECORDS (SEASONS).--WSP 1309: 1948(M). WSP 1729: Drainage area. WSP 2116: 1937-65. W 1983: Drainage area.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, about 3,700 acre-ft, Apr. 15, 1952, elevation, about 3,015 ft, dam overtopped; no contents at times.

EXTREMES FOR CURRENT SEASON.--Maximum contents, 2,330 acre-ft, Aug. 7, elevation, 3,013.57 ft; minimum, 476 acre-ft, Mar. 6, elevation, 3,007.57 ft.

06162000 HUFF LAKE

LOCATION.--Lat 49°22'16", long 107°53'07" (NAD 27), in SW$^1/_4$ sec.7, T.5, R.14 W., third meridian, Hydrologic Unit 10050013, near dam on Frenchman River, 11 mi northwest of Val Marie, and at mile 169.7.

DRAINAGE AREA.--1,274 mi^2.

PERIOD OF RECORD, February 1940 to current season (seasonal records only). February 1940 to October 1979, published as Val Marie West Reservoir. Records prior to October 1946, published only in WSP 1309. April to May 1952 daily elevations and contents, published in WSP 1260-B. Water-stage recorder. Elevation of gage is at mean sea level (Geodetic Survey of Canada datum). May 1952 to May 1954, reference point on control structure. May 1954 to May 10, 1966, nonrecording gages. May 11, 1966, to Oct. 31, 1979, recording gage on riparian gatewell.

REMARKS (REVISED).--Reservoir is formed by earthfill dam with concrete control works completed in 1939. The following capacity figures are from capacity table effective Jan. 1, 2004. Usable capacity, 3,000 acre-ft between elevation 2,663.2 ft, bottom of outlet works, and 2,676.5 ft, maximum design level. Dead storage, 25 acre-ft. Water is used for irrigation. Figures given herein represent total contents. Water Survey of Canada satellite telemeter at station. This is one of a number of stations which are maintained jointly by Canada and the United States.

REVISED RECORDS (SEASONS).--WSP 1309: 1947-50.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 5,160 acre-ft, Mar. 26, 1997, elevation, 2,678.91 ft; no contents Feb. 28, Mar. 31, 1950, Oct. 22-31, 1984, Mar. 1-7, Aug. 6 to Sept. 14, 1985 and Feb. 28 to Apr. 11, 2002.

EXTREMES FOR CURRENT SEASON.--Maximum contents, 3,690 acre-ft, May 24, elevation, 2,677.69 ft; minimum, 576 acre-ft, Mar. 9, elevation, 2.669.48 ft.

RESERVOIRS IN FRENCHMAN RIVER BASIN IN SASKATCHEWAN—Continued

06163000 NEWTON LAKE

LOCATION.--Lat 49°18'12", long 107°48'20" (NAD 27), in NE$^1/_4$ sec.15, T.4, R.14 W., third meridian, Hydrologic Unit 10050013, at dam on Frenchman River, 5.4 mi northwest of Val Marie, and at mile 156.2.

DRAINAGE AREA.--1,349 mi^2.

PERIOD OF RECORD.--February 1937 to current season (seasonal records only). February 1937 to October 1979, published as Val Marie Reservoir. Water-stage recorder. Elevation of gage is at mean sea level (Geodetic Survey of Canada datum). Prior to May 11, 1966, nonrecording gages.

REMARKS.--Reservoir is formed by earthfill dam with concrete control works; construction began in 1936; storage began in 1937; construction completed in 1938. The following capacity figures are from capacity table effective February 1983. Usable capacity, 9,950 acre-ft between elevation 2,616.1 ft, bottom of outlet works, and 2,635.4 ft maximum design level. No dead storage. Water is used for irrigation. Water Survey of Canada satellite telemeter at station. This is one of a number of stations which are maintained jointly by Canada and the United States.

REVISED RECORDS (SEASONS).--WSP 2116: 1937-65. WSP 1729: 1949.

EXTREMES FOR PERIOD OF RECORD,--Maximum contents observed, 18,920 acre-ft, Apr. 19, 1952, elevation, 2,638.80 ft; no contents at times.

EXTREMES FOR CURRENT SEASON.--Maximum contents, 13,460 acre-ft, May 26, elevation, 2,637.60 ft; minimum, 3,470 acre-ft, Mar. 1, elevation, 2,629.50 ft.

SEASONAL MONTHEND CONTENTS, IN ACRE-FEET, FEBRUARY 2004 TO OCTOBER 2004

Date	Cypress Lake	Eastend Reservoir	Huff Lake	Newton Lake
Feb. 29	17,420	477	587	3,470
Mar. 31	19,500	614	2,490	9,730
Apr. 30	21,110	2,280	2,870	10,940
May 31	16,620	1,820	2,970	11,080
June 30	16,710	1,970	3,110	10,650
July 31	15,770	2,140	3,130	10,280
Aug. 31	14,850	1,560	2,080	8,830
Sept. 30	13,850	1,590	1,080	10,270
Oct. 31	13,190	1,170	1,420	9,530

06164510 MILK RIVER AT JUNEBERG BRIDGE, NEAR SACO, MT

LOCATION.--Lat 48°30'32", long 107°13'02" (NAD 27), in NE¼NE¼ sec.30, T.32 N., R.35 E., Phillips County, Hydrologic Unit 10050014, on left bank 25 ft upstream from Juneberg bridge on Phillips County road, 1.5 mi downstream from Frenchman River, 6.9 mi northeast of Saco, and at river mile 152.3.

DRAINAGE AREA. --17,670 mi^2.

PERIOD OF RECORD.--October 1977 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,130 ft (NGVD 29).

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow increased during irrigation season by water from St. Mary Canal which diverts from the St. Mary River near Babb (station number 05017500). Flow regulated by Fresno Reservoir (station number 06136500), two reservoirs in Lodge Creek basin in Saskatchewan (station numbers 06144260 and 06144360 and four reservoirs in Frenchman River basin in Saskatchewan. There are many small dams for the diversion of irrigation canals upstream. U. S. Army Corps of Engineers satellite telemeter at station. Several observations of water temperature and specific conductance were made during the year.

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	50	131	100	e90	e90	e90	706	74	1,290	244	368	119
2	50	134	104	e90	e90	e90	703	70	916	228	347	116
3	48	127	109	e90	e90	e80	690	56	611	269	289	111
4	48	101	109	e90	90	e80	685	49	431	322	269	110
5	47	e100	99	e90	e90	e80	663	50	300	341	263	108
6	48	e100	108	e90	e90	e80	511	46	250	334	306	96
7	48	e100	88	e90	e90	e70	555	46	252	264	506	84
8	48	e90	69	e90	e100	e60	763	81	295	249	341	99
9	47	e100	55	e90	e100	e80	559	94	277	235	272	101
10	211	96	49	e90	e100	e500	288	88	229	423	194	96
11	204	99	44	e100	e100	e900	205	93	252	432	157	95
12	164	105	44	e100	e90	e1,200	147	101	279	392	133	100
13	159	104	43	e100	e90	e1,500	150	72	349	352	131	96
14	158	101	47	e100	e90	e1,500	169	75	431	316	108	104
15	151	101	63	e100	e90	e1,500	165	209	405	327	109	108
16	144	100	84	e100	e90	e3,200	146	215	339	319	125	109
17	136	101	96	e90	e90	e3,000	148	210	291	245	226	115
18	128	101	97	e90	e100	e2,700	145	175	239	248	216	114
19	128	105	102	e90	e100	e2,400	145	187	151	232	197	120
20	128	111	111	e90	e90	e2,100	121	502	128	188	198	137
21	129	112	113	e90	e90	e1,800	124	699	190	e219	213	118
22	116	107	110	e100	e90	1,540	121	486	214	e250	208	104
23	116	101	111	e100	e90	1,020	111	320	217	e300	198	100
24	123	112	111	e100	e90	984	98	656	213	e299	200	107
25	117	116	111	e90	e100	1,020	91	2,060	192	e289	212	108
26	119	117	112	e90	e100	880	72	1,920	168	e294	190	108
27	119	119	e100	e90	e90	662	66	1,790	155	e350	179	101
28	116	116	e100	e90	e90	583	63	1,880	134	e365	150	102
29	136	107	e100	e90	e90	767	80	1,860	260	380	140	102
30	146	97	e100	e90	---	855	63	1,740	267	383	139	99
31	139	---	e100	e90	---	779	---	1,600	---	361	132	---
TOTAL	3,521	3,211	2,789	2,880	2,690	32,100	8,553	17,504	9,725	9,450	6,716	3,187
MEAN	114	107	90.0	92.9	92.8	1,035	285	565	324	305	217	106
MAX	211	134	113	100	100	3,200	763	2,060	1,290	432	506	137
MIN	47	90	43	90	90	60	63	46	128	188	108	84
AC-FT	6,980	6,370	5,530	5,710	5,340	63,670	16,960	34,720	19,290	18,740	13,320	6,320

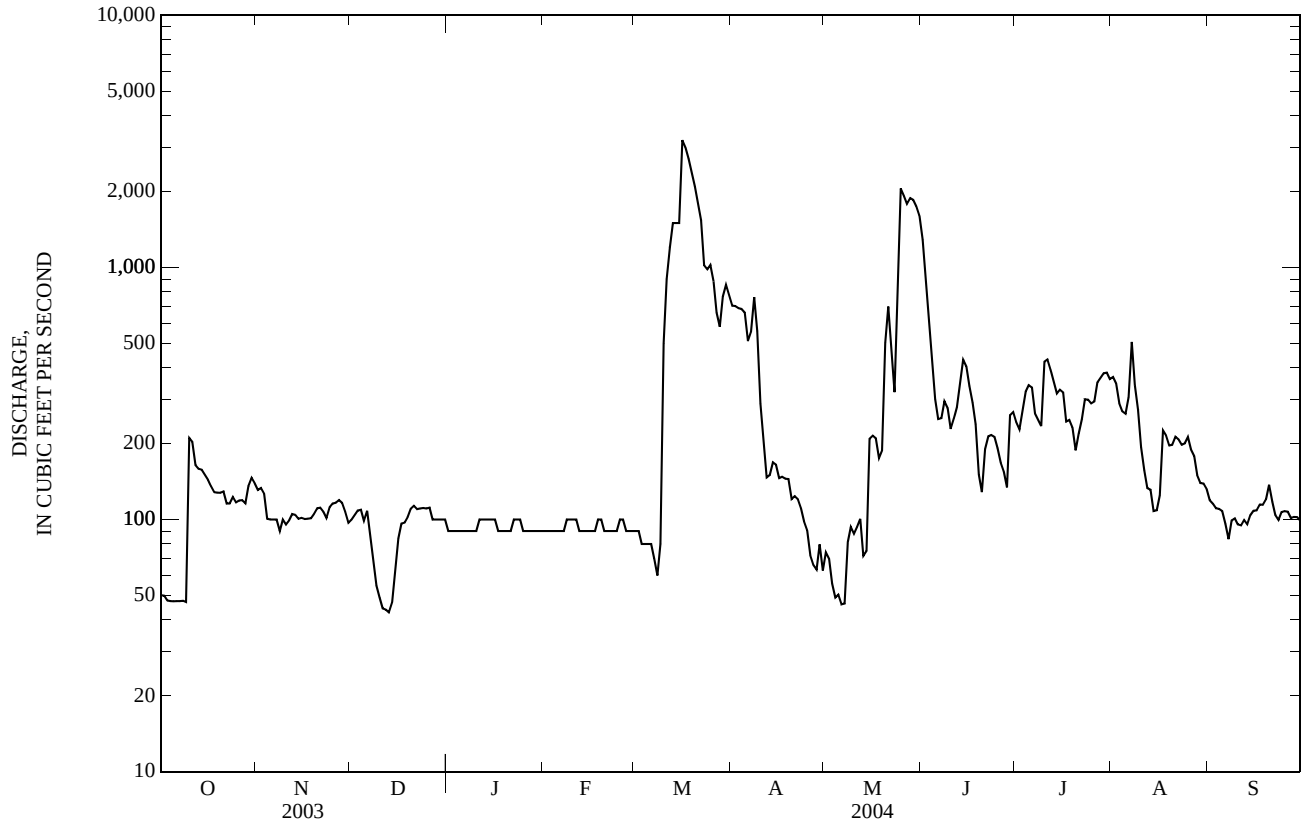
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2004, BY WATER YEAR (WY)

MEAN	282	151	119	117	214	1,011	743	466	467	413	238	231
MAX	4,043	597	406	271	1,758	4,075	6,221	2,545	2,258	1,844	693	1,517
(WY)	(1987)	(1987)	(1987)	(1987)	(1996)	(1979)	(1978)	(1986)	(1982)	(1991)	(1993)	(1986)
MIN	24.9	60.1	44.8	33.1	49.1	47.4	38.4	56.4	103	29.6	9.35	22.7
(WY)	(2002)	(1978)	(1986)	(1985)	(2002)	(2002)	(2002)	(1989)	(2001)	(1984)	(1984)	(1984)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1978 - 2004	
ANNUAL TOTAL	85,935		102,326			
ANNUAL MEAN	235		280		372*	
HIGHEST ANNUAL MEAN					1,042	1978
LOWEST ANNUAL MEAN					70.1	2001
HIGHEST DAILY MEAN	3,000	Mar 21	3,200	Mar 16	12,300	Apr 3, 1978
LOWEST DAILY MEAN	43	Sep 14	43	Dec 13	2.1	Aug 20, 1984
ANNUAL SEVEN-DAY MINIMUM	48	Oct 3	48	Oct 3	4.0	Jul 27, 1984
MAXIMUM PEAK FLOW			a3,200	Mar 16	c12,400	Apr 3, 1978
MAXIMUM PEAK STAGE			b14.30	Mar 16	b26.70	Mar 4, 1986
ANNUAL RUNOFF (AC-FT)	170,500		203,000		269,400	
10 PERCENT EXCEEDS	345		658		689	
50 PERCENT EXCEEDS	129		116		149	
90 PERCENT EXCEEDS	61		80		50	

*--Median of yearly mean discharge 233 ft^3/s.
a--About.
b--Backwater from ice.
c--Gage height, 24.20 ft.
e--Estimated.

06164510 MILK RIVER AT JUNEBERG BRIDGE, NEAR SACO, MT—Continued



06166000 BEAVER CREEK BELOW GUSTON COULEE, NEAR SACO, MT

LOCATION.--Lat 48°21'25", long 107°34'48" (NAD 27), in SE¼SW¼NW¼ sec. 16, T.30 N., R.32 E., Phillips County, Hydrologic Unit 10050014, on right bank, 25 ft upstream from bridge on county road, 13 mi southwest of Saco, 22.5 river miles downstream from Guston Coulee, and at mile 61.1.

DRAINAGE AREA.--1,208 mi^2.

PERIOD OF RECORD.--April 1920 to September 1921, April 1981 to current year (seasonal records only).

GAGE.--Water-stage recorder. Elevation of gage is 2,215 ft (NGVD 29).

REMARKS.--Seasonal records fair. Some regulation by numerous small reservoirs on tributary streams. Diversions for irrigation upstream from gage. U.S. Geological Survey satellite telemetry at station. Several observations of water temperature and specific conductance were made during the year.

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

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			e0.00	97	0.00	221	0.55	0.00	1.00	6.6		
2			e0.00	85	e0.00	159	0.38	0.00	0.67	4.9		
3			e0.00	63	e0.00	97	0.22	0.00	0.48	5.9		
4			e0.00	45	e0.00	79	0.19	0.00	0.39	4.5		
5			e0.00	29	0.00	75	0.32	0.00	0.31	2.6		
6			e0.00	19	0.00	44	1.4	0.00	0.23	1.4		
7			e0.00	16	0.00	26	7.6	0.00	0.19	0.97		
8			e0.00	12	0.00	31	9.1	0.02	0.14	0.76		
9			e0.00	8.9	0.00	26	5.9	0.18	0.11	0.64		
10			e0.00	7.0	0.00	27	6.2	0.38	0.15	0.50		
11			e0.00	5.4	0.00	31	39	0.61	0.22	0.39		
12			e0.00	3.5	0.00	28	45	0.89	0.22	0.28		
13			e0.00	3.1	0.00	23	48	0.87	0.22	0.15		
14			e2.0	2.6	0.00	12	44	0.74	3.3	0.06		
15			e100	1.8	0.00	25	34	0.72	9.7	0.00		
16			e1,000	1.7	0.00	48	25	1.0	7.9	0.00		
17			e1,100	1.4	0.00	39	12	1.6	7.1	0.00		
18			e1,100	1.2	0.00	20	4.8	1.9	3.8	0.00		
19			e1,000	0.85	0.00	8.7	4.5	1.5	2.8	0.00		
20			e900	0.68	0.00	5.5	6.7	1.7	3.3	0.00		
21			e900	0.48	0.00	3.4	3.5	2.3	2.7	0.00		
22			e900	0.32	0.03	2.5	1.4	2.8	2.7	0.00		
23			655	0.14	0.77	3.2	0.85	2.7	2.9	0.00		
24			426	0.04	16	4.6	0.60	2.4	3.3	0.00		
25			312	0.00	42	4.3	0.04	2.3	7.7	0.00		
26			257	0.00	53	3.5	0.00	2.4	12	0.00		
27			232	0.00	112	2.8	0.00	2.8	9.0	0.00		
28			201	0.00	216	1.9	0.00	3.1	11	0.00		
29			147	0.00	231	1.3	0.00	3.1	11	0.00		
30			109	e0.00	265	0.85	0.00	2.3	8.1	0.00		
31			90	---	281	---	0.00	1.5	---	0.00		
TOTAL			9,431.00	405.11	1,216.80	1,053.55	301.25	39.81	112.63	29.65		
MEAN			304	13.5	39.3	35.1	9.72	1.28	3.75	0.96		
MAX			1,100	97	281	221	48	3.1	12	6.6		
MIN			0.00	0.00	0.00	0.85	0.00	0.00	0.11	0.00		
AC-FT			18,710	804	2,410	2,090	598	79	223	59		

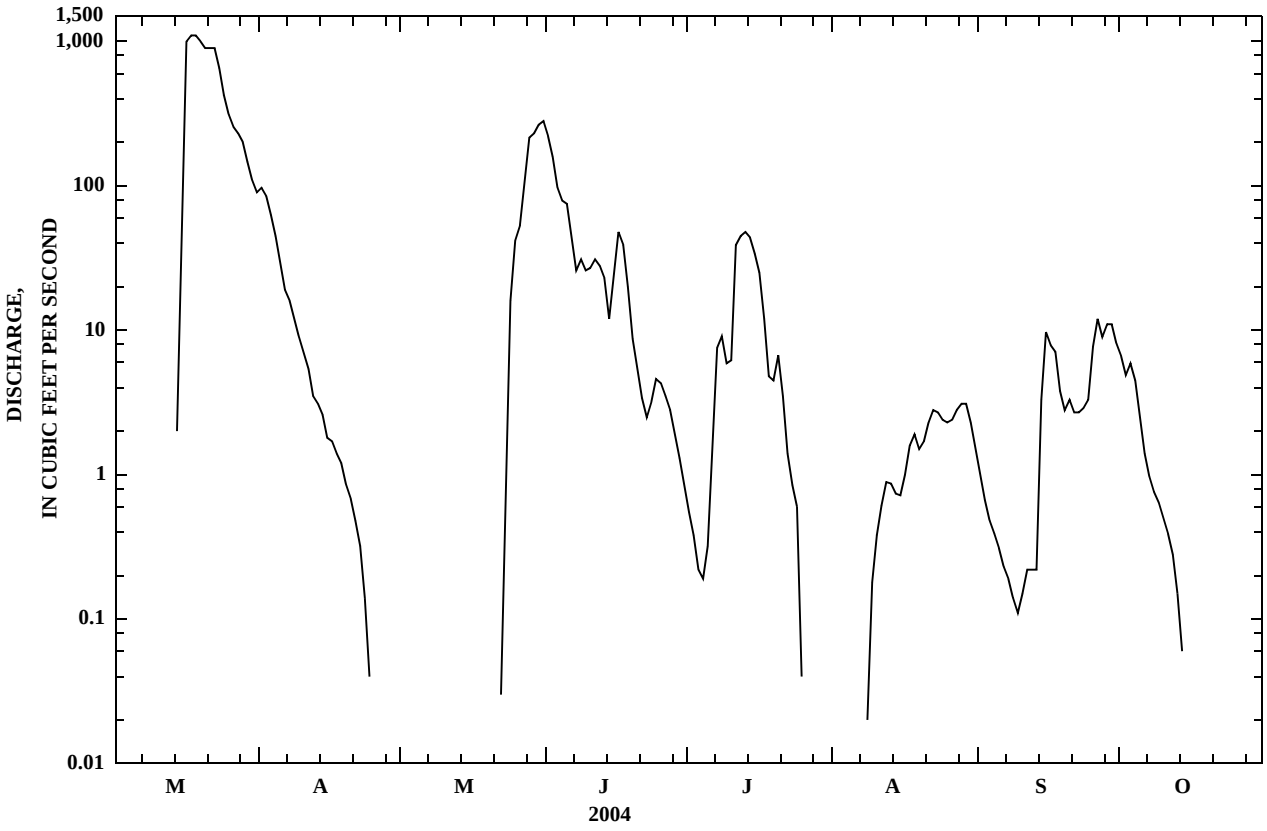
STATISTICS OF MONTHLY MEAN DATA FOR SEASONS 1981 - 2004*

MEAN	68.2	19.4	58.6	34.7	42.8	6.94	56.1	21.7
MAX	304	140	718	315	223	40.7	1,187	342
(WY)	(2004)	(1987)	(1986)	(1982)	(1998)	(1993)	(1986)	(1987)
MIN	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
(WY)	(1995)	(1995)	(1984)	(2001)	(1985)	(2001)	(1984)	(1985)

SUMMARY STATISTICS	FOR 2004 SEASON		SEASONS 1981 - 2004*	
HIGHEST DAILY MEAN	1,100	Mar 17	11,900	Sep 27, 1986
LOWEST DAILY MEAN	a0.00	Mar 1	c0.00	Apr 5, 1981
MAXIMUM PEAK FLOW	unknown		d23,500	Sep 26, 1986
MAXIMUM PEAK STAGE	b10.94	Mar 18	14.68	Sep 26, 1986

*--During period of operation (1981 to current year).
a--Many days.
b--Backwater from ice.
c--No flow at times each year.
d--From slope-area measurement of peak flow.
e--Estimated.

06166000 BEAVER CREEK BELOW GUSTON COULEE, NEAR SACO, MT—Continued



06169500 ROCK CREEK BELOW HORSE CREEK, NEAR INTERNATIONAL BOUNDARY

LOCATION.--Lat 48°58'10", long 106°50'20" (NAD 27), in NE¼NW¼ sec.15, T.37 N., R.37 E., Valley County, Hydrologic Unit 10050015, on right bank 2 mi south of international boundary, 3 mi downstream from Horse Creek, 21 mi northwest of Opheim, MT, and at river mile 82.0.

DRAINAGE AREA.--328 mi^2.

PERIOD OF RECORD.--March 1916 to October 1926, September 1956 to current year (seasonal records only prior to October 1978). Monthly discharge only for some periods, published in WSP 1309. Published as Rock Creek near Barnard, Mt. 1916-17. Prior to September 1956, records were collected at both Horse Creek (1914-56) and Rock Creek above Horse Creek (1914-56). Summations are equivalent to records at this site.

REVISED RECORDS.--WSP 1509: 1925(M), WSP 1729: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 2,530 ft (NGVD 29). March 1916 to October 1926, nonrecording gages at several sites within 500 ft upstream at different elevation.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Several small diversions for irrigation upstream from station. U.S. Geological Survey satellite telemeter at station. Several observations of water temperature and specific conductance were made during the year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 15, 1952, reached a stage of 12.6 ft, from floodmarks, discharge, 5,110 ft^3/s, by slope-area measurement of peak flow.

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	0.02	e0.80	e0.50	e0.25	e0.00	e0.00	e100	4.5	21	4.2	1.9	1.7
2	0.02	e0.75	e0.50	e0.25	e0.00	e0.00	290	4.4	17	4.0	2.0	1.6
3	0.02	e0.70	e0.50	e0.25	e0.00	e0.00	200	4.2	14	3.7	1.9	1.6
4	0.08	e0.65	e0.50	e0.25	e0.00	e0.00	160	4.0	11	4.4	2.7	1.4
5	0.42	e0.60	e0.50	e0.25	e0.00	e0.00	180	3.9	9.8	4.7	2.2	1.2
6	0.53	e0.55	e0.50	e0.25	e0.00	e0.00	137	3.7	8.5	5.0	1.8	1.0
7	0.60	e0.55	e0.45	e0.25	e0.00	e0.00	95	3.7	7.4	8.8	1.6	0.97
8	0.64	e0.50	e0.45	e0.20	e0.00	e0.00	73	3.5	6.7	7.7	1.6	0.97
9	0.64	e0.55	e0.45	e0.20	e0.00	e0.00	55	3.5	6.1	8.3	1.5	0.98
10	0.64	e0.55	e0.45	e0.20	e0.00	e0.00	39	3.3	6.2	9.9	1.4	0.91
11	0.64	e0.60	e0.45	e0.15	e0.00	e0.00	29	4.7	12	8.9	1.3	0.80
12	0.63	e0.60	e0.45	e0.15	e0.00	e0.00	22	5.7	329	7.7	1.2	0.82
13	0.63	e0.60	e0.45	e0.10	e0.00	e0.00	18	7.3	236	6.6	1.2	0.83
14	0.69	e0.65	e0.45	e0.05	e0.00	e0.00	16	11	86	5.4	1.1	0.82
15	0.81	e0.65	e0.45	e0.05	e0.00	e0.00	19	39	49	4.1	1.1	0.84
16	0.83	e0.60	e0.45	e0.00	e0.00	e0.00	19	36	32	3.4	1.1	0.80
17	0.89	e0.65	e0.45	e0.00	e0.00	e0.00	16	27	23	e3.0	1.0	0.76
18	0.89	e0.65	e0.45	e0.00	e0.00	e0.00	15	22	19	e2.5	0.95	0.77
19	0.84	e0.65	e0.45	e0.00	e0.00	e0.00	13	77	15	e2.5	0.87	0.82
20	0.82	e0.60	e0.45	e0.00	e0.00	e0.00	12	164	13	e2.0	0.79	1.0
21	0.82	e0.55	e0.40	e0.00	e0.00	e0.00	11	66	11	e1.8	0.77	0.97
22	0.81	e0.55	e0.40	e0.00	e0.00	e0.00	10	37	9.4	1.7	0.69	0.95
23	0.75	e0.55	e0.40	e0.00	e0.00	e0.10	9.7	92	8.4	1.6	0.83	1.0
24	0.73	e0.55	e0.40	e0.00	e0.00	e0.50	8.3	903	7.4	1.5	1.1	1.1
25	0.71	e0.55	e0.40	e0.00	e0.00	e1.0	7.2	387	6.5	1.3	1.2	1.1
26	0.76	e0.55	e0.40	e0.00	e0.00	e1.5	6.5	125	5.8	1.2	1.3	1.1
27	0.77	e0.55	e0.35	e0.00	e0.00	e25	6.0	68	5.3	1.1	1.5	1.1
28	0.79	e0.55	e0.30	e0.00	e0.00	e55	5.3	47	4.8	1.0	1.7	1.1
29	e0.70	e0.55	e0.30	e0.00	e0.00	e85	5.1	42	4.5	1.0	2.3	1.1
30	e0.75	e0.50	e0.25	e0.00	---	e120	4.7	32	4.1	1.0	1.8	1.1
31	e0.80	---	e0.25	e0.00	---	e150	---	28	---	1.2	1.7	---
TOTAL	19.67	17.90	13.15	2.85	0.00	438.10	1,581.8	2,259.4	988.9	121.2	44.10	31.21
MEAN	0.63	0.60	0.42	0.09	0.00	14.1	52.7	72.9	33.0	3.91	1.42	1.04
MAX	0.89	0.80	0.50	0.25	0.00	150	290	903	329	9.9	2.7	1.7
MIN	0.02	0.50	0.25	0.00	0.00	0.00	4.7	3.3	4.1	1.0	0.69	0.76
AC-FT	39	36	26	5.7	0.00	869	3,140	4,480	1,960	240	87	62

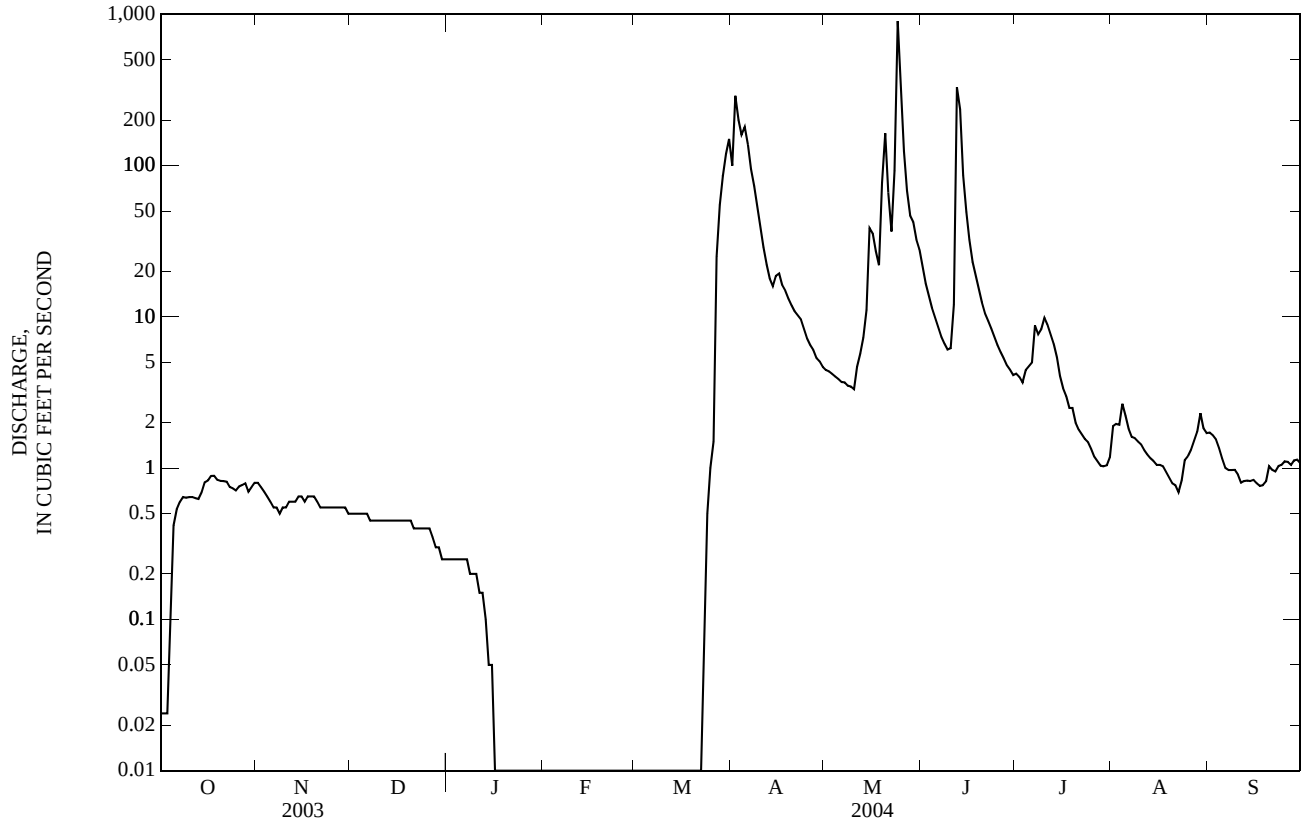
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2004, BY WATER YEAR (WY)*

MEAN	1.83	1.47	0.73	0.28	5.70	79.3	82.3	16.4	13.3	9.47	1.25	1.08
MAX	9.33	2.79	2.19	1.78	96.1	369	437	89.0	102	63.6	13.4	12.5
(WY)	(1987)	(1981)	(1980)	(1981)	(1981)	(1976)	(1969)	(1982)	(1991)	(1969)	(1975)	(1986)
MIN	0.00	0.10	0.03	0.00	0.00	0.00	3.97	1.46	0.17	0.00	0.00	0.00
(WY)	(1989)	(1989)	(1996)	(1984)	(1980)	(1965)	(1992)	(1992)	(1988)	(1988)	(1959)	(1958)

06169500 ROCK CREEK BELOW HORSE CREEK, NEAR INTERNATIONAL BOUNDARY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1956 - 2004**	
ANNUAL TOTAL	3,451.13		5,518.28			
ANNUAL MEAN	9.46		15.1		14.2***	
HIGHEST ANNUAL MEAN					37.4	1999
LOWEST ANNUAL MEAN					1.88	1998
HIGHEST DAILY MEAN	668	Mar 19	903	May 24	3,460	Apr 7, 1969
LOWEST DAILY MEAN	0.00	Aug 2	0.00	Jan 16	0.00	Mar 1, 1957
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 11	0.00	Jan 16	0.00	Mar 1, 1957
MAXIMUM PEAK FLOW			1,120	May 24	a4,420	Apr 7, 1969
MAXIMUM PEAK STAGE			7.22	May 24	b13.40	Mar 29, 1978
INSTANTANEOUS LOW FLOW					c0.00	Mar 1, 1957
ANNUAL RUNOFF (AC-FT)	6,850		10,950		10,270	
10 PERCENT EXCEEDS	12		26		14	
50 PERCENT EXCEEDS	0.45		0.83		1.0	
90 PERCENT EXCEEDS	0.01		0.00		0.00	

*--During period of operation (September 1956 to current year).
**--Seasonal records only prior to October 1978.
***--Median of yearly discharge, 10.1 ft^3/s, 7,320 acre-ft/yr (October 1978 to current year).
a--Gage height, 12.03 ft.
b--Backwater from ice.
c--At times most years.
e--Estimated.



06172310 MILK RIVER AT TAMPICO, MT

LOCATION.--Lat 48°18'29", long 106°49'19" (NAD 27), in SW¼SW¼SW¼ sec.32, T.30 N., R.38 E., Valley County, Hydrologic Unit 10050012, on right bank, at county bridge 0.8 miles downstream from Buggy Creek and 0.3 miles northeast of Tampico, and at river mile 98.7.

DRAINAGE AREA.--21,078 mi^2.

PERIOD OF RECORD.--October 1973 to September 1977, May 1987 to current year (seasonal record beginning 1995 water year).

GAGE.--Water-stage recorder. Elevation of gage is 2,110 ft (NGVD 29).

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow increased during irrigation season by water from St. Mary Canal which diverts from the St. Mary River near Babb. Flow regulated by Fresno and Nelson Reservoirs, five reservoirs in Lodge Creek basin in Saskatchewan, and four reservoirs in Frenchman River basin in Saskatchewan. Many small dams for the diversion of irrigation canals upstream, the closest being Vandalia Dam 19 mi upstream. Diversions upstream from station for irrigation of about 126,000 acres of which about 17,000 acres lies downstream from station. Bureau of Reclamation satellite telemeter at station. Several observations of water temperature and specific conductance were made during the year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 17, 1952 reached an observed stage of 38.67 ft at gage 200 ft downstream from Vandalia Dam, furnished by the U.S. Army Corps of Engineers; discharge about 45,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2004
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			e40	2,020	74	1,820	161	139	76	686		
2			e40	1,930	70	1,520	136	146	72	458		
3			e35	1,770	69	1,130	117	149	64	323		
4			e40	1,580	65	797	110	136	68	215		
5			e45	1,350	58	518	109	125	78	176		
6			e45	1,240	52	347	126	128	87	257		
7			e40	1,110	50	264	156	164	89	236		
8			e35	1,010	50	225	157	290	81	144		
9			e25	1,000	47	243	135	262	76	108		
10			e30	786	42	279	107	208	73	99		
11			e30	521	47	1,160	275	147	70	91		
12			e40	377	48	1,070	340	99	69	86		
13			e100	278	48	1,570	251	78	67	81		
14			e100	232	49	1,780	199	69	65	76		
15			e200	240	49	1,470	149	62	66	75		
16			e1,000	235	61	955	126	52	69	78		
17			e3,000	200	165	658	117	48	68	131		
18			e3,500	207	249	471	92	50	68	125		
19			e4,000	194	278	345	104	59	70	109		
20			e3,500	185	1,080	238	118	62	70	94		
21			e4,000	161	1,830	185	55	61	77	86		
22			e4,500	149	1,440	226	47	61	82	83		
23			e4,000	145	974	287	42	66	72	79		
24			3,080	142	1,460	336	41	72	70	77		
25			2,740	129	4,390	346	42	78	69	75		
26			3,030	113	5,910	294	46	87	72	81		
27			2,990	101	3,650	237	54	103	71	83		
28			2,640	90	2,580	198	64	113	68	81		
29			2,470	82	2,260	166	79	101	66	80		
30			2,010	78	2,140	170	88	89	200	75		
31			1,440	---	2,030	---	110	83	---	74		
TOTAL			48,745	17,655	31,315	19,305	3,753	3,387	2,293	4,522		
MEAN			1,572	588	1,010	644	121	109	76.4	146		
MAX			4,500	2,020	5,910	1,820	340	290	200	686		
MIN			25	78	42	166	41	48	64	74		
AC-FT			96,690	35,020	62,110	38,290	7,440	6,720	4,550	8,970		

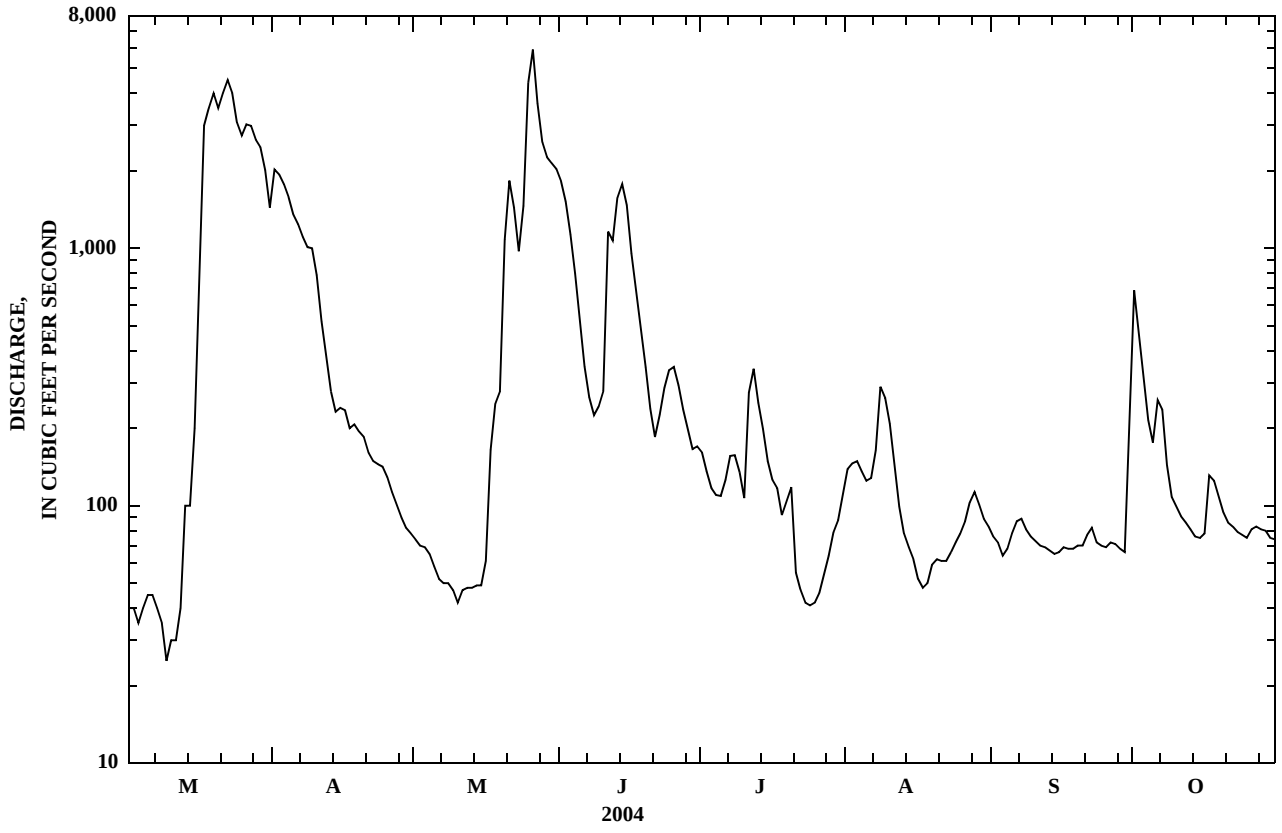
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 1994, AND SEASONS 1995 - 2004*

MEAN	211	178	1,024	789	556	589	529	212	171	188	217	152
MAX	791	433	3,809	3,911	4,555	1,852	2,515	769	903	906	710	363
(WY)	(1974)	(1974)	(1994)	(1996)	(1975)	(1974)	(1991)	(1993)	(1993)	(1994)	(1976)	(1976)
MIN	55.2	49.3	46.6	3.35	6.59	11.7	8.35	4.63	6.52	29.1	90.0	66.9
(WY)	(1989)	(1989)	(2002)	(1992)	(2001)	(1977)	(1977)	(1988)	(1988)	(2002)	(1989)	(1989)

06172310 MILK RIVER AT TAMPICO, MT—Continued

SUMMARY STATISTICS	FOR 2004 SEASON		SEASONS 1995 - 2004*		WATER YEARS 1974 - 1994*	
ANNUAL MEAN					400	
HIGHEST ANNUAL MEAN					998	1975
LOWEST ANNUAL MEAN					84.6	1988
HIGHEST DAILY MEAN	5,910	May 26	a11,000	Mar 27, 1997	8,180	May 26, 1974
LOWEST DAILY MEAN	25	Mar 9	1.8	Jun 7, 2002	0.00	Aug 28, 1988
ANNUAL SEVEN-DAY MINIMUM					0.00	Sep 7, 1988
MAXIMUM PEAK FLOW	6,240	May 26	a11,000	May 27, 1997	c8,210	May 26, 1974
MAXIMUM PEAK STAGE	20.34	May 26	b27.64	Mar 27, 1997	25.40	Jul 4, 1991
INSTANTANEOUS LOW FLOW					0.00	Aug 28, 1988
ANNUAL RUNOFF (AC-FT)					308,500	
10 PERCENT EXCEEDS					920	
50 PERCENT EXCEEDS					128	
90 PERCENT EXCEEDS					13	

*--During period of operation (1974-77, 1987 to current year. Seasonal records beginning with 1995 water year).
a--Estimated daily discharge, ungaged bypass flow.
c--Backwater from ice.
c--Gage height, 23.65 ft.
e--Estimated.



06174500 MILK RIVER AT NASHUA, MT

LOCATION.--Lat 48°07'47", long 106°21'50" (NAD 27), in NE¼NE¼ sec.1, T.27 N., R.41 E., Valley County, Hydrologic Unit 10050012, on right bank at downstream side of former highway bridge site, 0.6 mi southwest of Nashua, 2.0 mi upstream from Porcupine Creek, and at river mile 22.7.
DRAINAGE AREA.--22,332 mi^2.
PERIOD OF RECORD.--October 1939 to current year.
REVISED RECORDS.--WSP 1729: Drainage area.
GAGE.--Water-stage recorder. Elevation of gage is 2,027.75 ft (NGVD 29).
REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow increased during irrigation season by water from St. Mary Canal which diverts from the St. Mary River near Babb. Flow regulated by Fresno Reservoir (station number 06136500), two reservoirs in Lodge Creek basin in Saskatchewan, and four reservoirs in Frenchman River basin in Saskatchewan. Diversions for irrigation of about 140,000 acres upstream from station. U.S. Army Corps of Engineers satellite telemeter at station. Several observations of water temperature and specific conductance were made during the year.

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	57	e210	e130	e50	e80	e110	2,670	97	2,820	219	165	159
2	57	e190	e120	e50	e70	e100	2,490	91	2,600	206	185	160
3	57	e160	e120	e50	e70	e100	2,520	91	2,300	204	233	159
4	59	e150	e120	e50	e70	e110	2,420	86	1,890	193	275	155
5	63	e140	e120	e40	e80	e130	2,240	85	1,400	209	263	149
6	65	e130	e120	e40	e80	e150	2,020	84	881	264	237	135
7	71	e130	e110	e50	e80	e170	1,750	113	577	311	218	126
8	68	e130	e120	e50	e90	e200	1,530	110	448	284	219	122
9	68	e140	e100	e50	e90	e230	1,240	103	387	279	237	118
10	72	e150	e90	e60	e90	e260	1,070	113	367	280	319	114
11	76	e160	e80	e60	e90	e300	944	170	416	248	320	101
12	82	e160	e70	e70	e90	e350	651	212	1,260	213	274	105
13	87	e160	e70	e70	e100	e400	421	258	2,500	300	223	106
14	156	e160	e60	e70	e100	e500	310	323	2,460	345	165	103
15	206	e160	e60	e80	e100	e800	245	252	2,410	304	125	97
16	201	e150	e60	e90	e90	e1,400	216	158	2,360	252	100	91
17	194	e160	e60	e90	e90	e2,000	215	141	1,920	223	88	85
18	195	e160	e60	e90	e100	e3,300	211	134	1,280	204	76	83
19	195	e160	e60	e90	e110	e4,400	192	236	783	177	75	92
20	196	e160	e70	e90	e110	e5,600	186	284	534	151	75	107
21	196	e160	e70	e100	e110	e8,000	181	440	424	146	73	116
22	195	e150	e70	e100	e110	e7,600	172	1,350	361	154	88	118
23	194	e140	e70	e110	e100	e7,000	162	1,880	288	97	94	132
24	194	e130	e80	e90	e110	e6,400	146	1,840	276	72	95	151
25	191	e130	e80	e90	e110	6,140	143	2,450	316	81	122	144
26	195	e130	e80	e80	e110	5,670	138	3,960	352	78	140	123
27	200	e130	e70	e80	e110	5,310	134	5,560	355	74	143	115
28	204	e130	e70	e70	e110	4,950	122	5,760	325	79	148	109
29	214	e140	e70	e70	e110	4,370	114	4,870	284	74	144	104
30	221	e150	e60	e80	---	3,730	106	3,890	256	81	184	98
31	222	---	e60	e80	---	3,190	---	3,200	---	115	178	---
TOTAL	4,451	4,510	2,580	2,240	2,760	82,970	24,959	38,341	32,830	5,917	5,281	3,577
MEAN	144	150	83.2	72.3	95.2	2,676	832	1,237	1,094	191	170	119
MAX	222	210	130	110	110	8,000	2,670	5,760	2,820	345	320	160
MIN	57	130	60	40	70	100	106	84	256	72	73	83
AC-FT	8,830	8,950	5,120	4,440	5,470	164,600	49,510	76,050	65,120	11,740	10,470	7,090

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2004, BY WATER YEAR (WY)

MEAN	303	211	156	145	237	1,297	2,168	995	948	655	305	271
MAX	6,837	768	487	843	2,337	6,678	20,930	5,207	6,611	3,578	1,754	2,138
(WY)	(1987)	(1987)	(1987)	(1974)	(1996)	(1986)	(1952)	(1975)	(1953)	(1962)	(1993)	(1978)
MIN	34.4	61.2	39.7	36.0	38.9	56.5	15.1	10.5	28.0	3.56	3.42	12.6
(WY)	(2002)	(2002)	(1984)	(1950)	(1949)	(2002)	(1981)	(1992)	(1984)	(1984)	(1984)	(1988)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1940 - 2004	
ANNUAL TOTAL	111,095		210,4169			
ANNUAL MEAN	304		575		641*	
HIGHEST ANNUAL MEAN					2,359	1952
LOWEST ANNUAL MEAN					57.7	1984
HIGHEST DAILY MEAN	4,690	Mar 25	8,000	Mar 21	44,200	Apr 18, 1952
LOWEST DAILY MEAN	44	Jul 5	40	Jan 5	0.00	Jul 14, 1984
ANNUAL SEVEN-DAY MINIMUM	57	Jul 2	47	Jan 1	0.00	Jul 17, 1984
MAXIMUM PEAK FLOW			unknown		45,300	Apr 18, 1952
MAXIMUM PEAK STAGE			a21.49	Mar 21	31.38	Apr 18, 1952
INSTANTANEOUS LOW FLOW					0.00	Jul 14, 1984
ANNUAL RUNOFF (AC-FT)	220,400		418,700		464,300	
10 PERCENT EXCEEDS	506		1,900		1,270	
50 PERCENT EXCEEDS	116		143		176	
90 PERCENT EXCEEDS	68		70		58	

*--Median of yearly discharge, 547 ft^3/s.
a--Backwater from ice.
e--Estimated.

06174500 MILK RIVER AT NASHUA, MT—Continued