

Figure 12. Schematic diagram showing diversions and storage in Battle Creek and Frenchman River basins.

MILK RIVER BASIN

06147950 GAFF DITCH NEAR MERRYFLAT, SASKATCHEWAN
(International gaging station)

LOCATION.--Lat 49°26'05", long 109°50'07" (NAD 27), in NW¹/₄ sec.34, T.5, R.29 W., third meridian, Hydrologic Unit 10050008, on left bank about 200 ft downstream from headgates, and 4 mi southwest of Merryflat.

PERIOD OF RECORD.--March 1972 to current season (seasonal record only). March 1964 to current season in reports of Department of the Environment, Canada.

GAGE.--Water-stage recorder. Elevation of gage is 3,350 ft (NGVD 29).

REMARKS.--Records fair. Water is diverted from left bank of Battle Creek in NW¹/₄ sec.34, T.5, R.29 W., third meridian, for irrigation of about 890 acres along Battle Creek. 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.

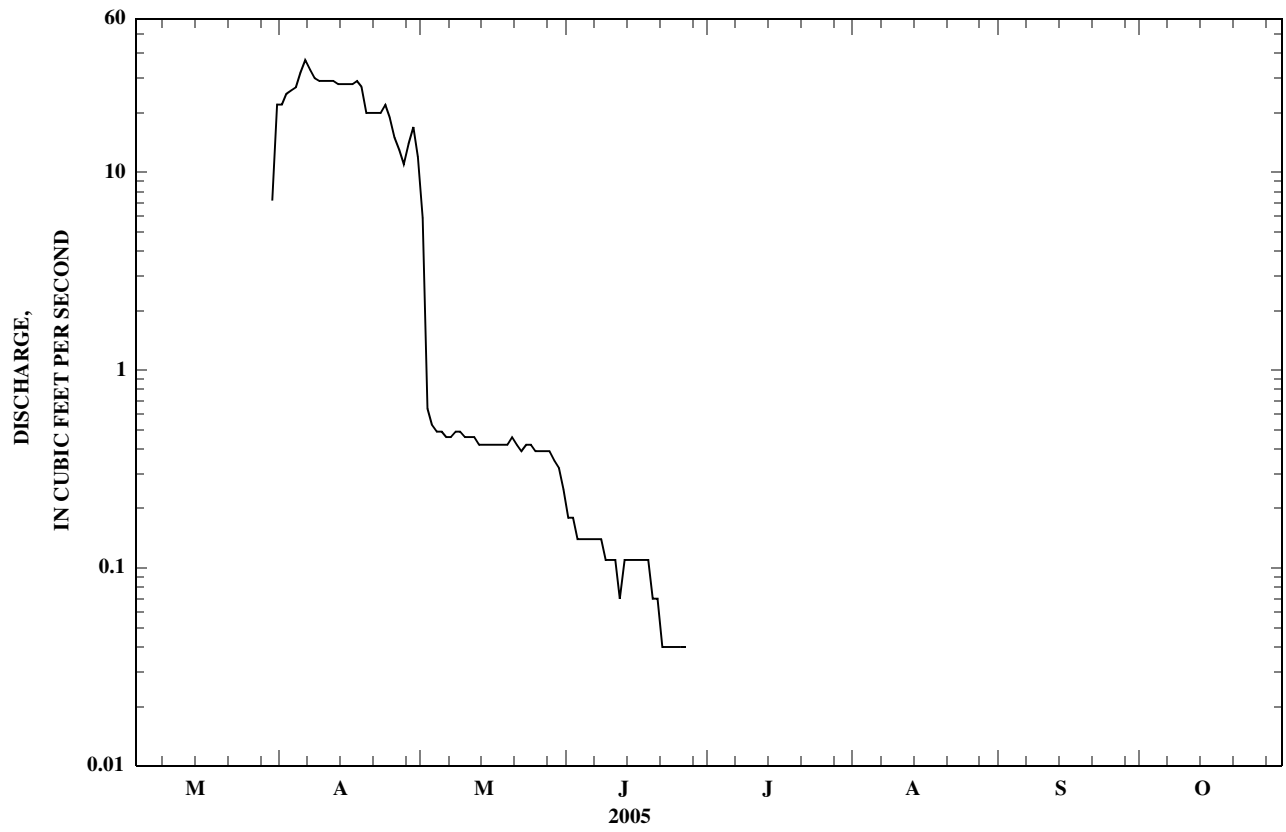
EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 42 ft³/s, Apr. 22, 1971; no flows at times each season.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2005
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			e0.00	e22	5.9	0.18	0.00	0.00	0.00	0.00		
2			e0.00	e25	0.64	0.18	0.00	0.00	0.00	0.00		
3			e0.00	26	0.53	0.14	0.00	0.00	0.00	0.00		
4			e0.00	27	0.49	0.14	0.00	0.00	0.00	0.00		
5			e0.00	32	0.49	0.14	0.00	0.00	0.00	0.00		
6			e0.00	37	0.46	0.14	0.00	0.00	0.00	0.00		
7			e0.00	33	0.46	0.14	0.00	0.00	0.00	0.00		
8			e0.00	30	0.49	0.14	0.00	0.00	0.00	0.00		
9			e0.00	29	0.49	0.11	0.00	0.00	0.00	0.00		
10			e0.00	29	0.46	0.11	0.00	0.00	0.00	0.00		
11			e0.00	29	0.46	0.11	0.00	0.00	0.00	0.00		
12			e0.00	29	0.46	0.07	0.00	0.00	0.00	0.00		
13			e0.00	28	0.42	0.11	0.00	0.00	0.00	0.00		
14			e0.00	28	0.42	0.11	0.00	0.00	0.00	0.00		
15			e0.00	28	0.42	0.11	0.00	0.00	0.00	0.00		
16			e0.00	28	0.42	0.11	0.00	0.00	0.00	0.00		
17			e0.00	29	0.42	0.11	0.00	0.00	0.00	0.00		
18			e0.00	27	0.42	0.11	0.00	0.00	0.00	0.00		
19			e0.00	20	0.42	0.07	0.00	0.00	0.00	0.00		
20			e0.00	20	0.46	0.07	0.00	0.00	0.00	0.00		
21			e0.00	20	0.42	0.04	0.00	0.00	0.00	0.00		
22			e0.00	20	0.39	0.04	0.00	0.00	0.00	0.00		
23			e0.00	22	0.42	0.04	0.00	0.00	0.00	0.00		
24			e0.00	19	0.42	0.04	0.00	0.00	0.00	0.00		
25			e0.00	15	0.39	0.04	0.00	0.00	0.00	0.00		
26			e0.00	13	0.39	0.04	0.00	0.00	0.00	0.00		
27			e0.00	11	0.39	0.00	0.00	0.00	0.00	0.00		
28			e0.00	14	0.39	0.00	0.00	0.00	0.00	0.00		
29			e0.00	17	0.35	0.00	0.00	0.00	0.00	0.00		
30			e7.2	12	0.32	0.00	0.00	0.00	0.00	0.00		
31			e22	---	0.25	---	0.00	0.00	---	0.00		
TOTAL			29.20	719	18.86	2.64	0.00	0.00	0.00	0.00		
MEAN			0.94	24.0	0.61	0.09	0.00	0.00	0.00	0.00		
MAX			22	37	5.9	0.18	0.00	0.00	0.00	0.00		
MIN			0.00	11	0.25	0.00	0.00	0.00	0.00	0.00		
AC-FT			58	1,430	37	5.2	0.00	0.00	0.00	0.00		

e--Estimated.

06147950 GAFF DITCH NEAR MERRYFLAT, SASKATCHEWAN—Continued



06148500 CYPRESS LAKE WEST INFLOW CANAL NEAR WEST PLAINS, SASKATCHEWAN
(International gaging station)

LOCATION.--Lat 49°28'18", long 109°37'08" (NAD 27), in SE¹/₄ sec.18, T.6, R.27 W., third meridian, Hydrologic Unit 10050008, on left bank 2.5 mi downstream from canal headgates, 5.5 mi northeast of West Plains, and 13 mi northwest of Consul.

PERIOD OF RECORD.--March 1939 to current season (seasonal records only). Monthly discharge only for some periods, published in WSP 1309.

GAGE.--Water-stage recorder. Elevation of gage is 3,210 ft (NGVD 29). Prior to Oct. 16, 1956, at site 2.3 mi upstream at different elevation.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Canal diverts water from Battle Creek in NW¹/₄ sec.1, T.6, R.28 W., third meridian, for storage in Cypress Lake. Part or all of flow may be returned to Battle Creek via Cypress Lake west inflow canal drain (station 06148700) 0.4 mi downstream. 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.

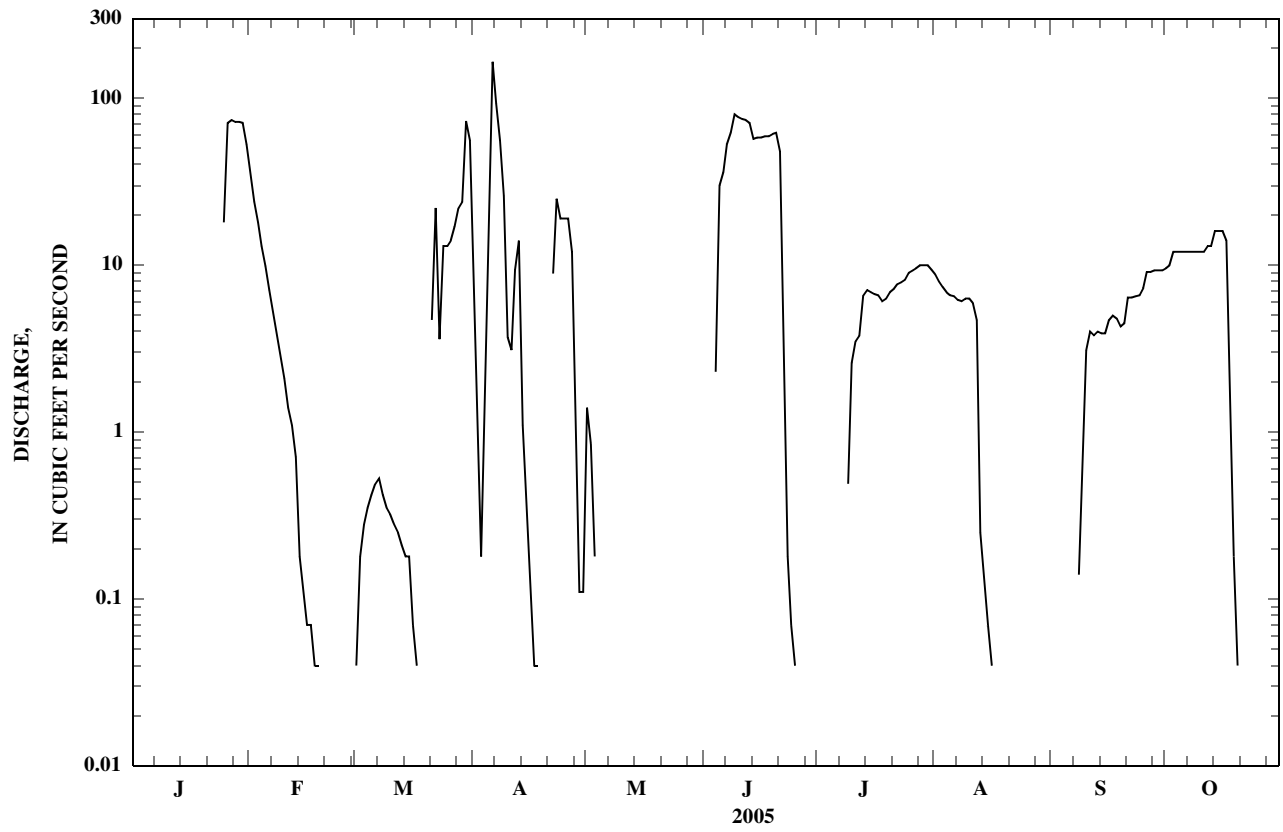
EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 884 ft³/s, Apr. 27, 1965; no flow at times each season.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2005
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	e0.00	e35	e0.04	e15	1.4	0.00	0.00	8.8	0.00	9.6		
2	e0.00	e24	e0.18	e1.2	0.85	0.00	0.00	8.0	0.00	10		
3	e0.00	e18	e0.28	e0.18	0.18	0.00	0.00	7.4	0.00	12		
4	e0.00	e13	e0.35	e5.6	0.00	2.3	0.00	6.9	0.00	12		
5	e0.00	e9.9	e0.42	e32	0.00	30	0.00	6.6	0.00	12		
6	e0.00	e7.1	e0.49	e165	0.00	36	0.00	6.5	0.00	12		
7	e0.00	e5.3	e0.53	e93	0.00	53	0.00	6.2	0.00	12		
8	e0.00	e3.9	e0.42	56	0.00	62	0.00	6.1	0.14	12		
9	e0.00	e2.8	e0.35	26	0.00	80	0.49	6.3	0.49	12		
10	e0.00	e2.1	e0.32	3.7	0.00	77	2.6	6.3	3.1	12		
11	e0.00	e1.4	e0.28	3.1	0.00	75	3.5	5.9	4.0	12		
12	e0.00	e1.1	e0.25	9.4	0.00	74	3.8	4.7	3.8	13		
13	e0.00	e0.71	e0.21	14	0.00	71	6.6	0.25	4.0	13		
14	e0.00	e0.18	e0.18	1.1	0.00	57	7.1	0.14	3.9	16		
15	e0.00	e0.11	e0.18	0.35	0.00	58	6.9	0.07	3.9	16		
16	e0.00	e0.07	e0.07	0.11	0.00	58	6.7	0.04	4.7	16		
17	e0.00	e0.07	e0.04	0.04	0.00	59	6.6	0.00	5.0	14		
18	e0.00	e0.04	e0.00	0.04	0.00	59	6.1	0.00	4.8	1.7		
19	e0.00	e0.04	e0.00	0.00	0.00	61	6.3	0.00	4.3	0.18		
20	e0.00	e0.00	e0.00	0.00	0.00	62	6.9	0.00	4.5	0.04		
21	e0.00	e0.00	e4.7	0.00	0.00	48	7.2	0.00	6.4	0.00		
22	e0.00	e0.00	e22	8.9	0.00	1.9	7.7	0.00	6.4	0.00		
23	e0.00	e0.00	e3.6	25	0.00	0.18	7.9	0.00	6.5	0.00		
24	e0.00	e0.00	e13	19	0.00	0.07	8.2	0.00	6.6	0.00		
25	e18	e0.00	e13	19	0.00	0.04	9.0	0.00	7.3	0.00		
26	e71	e0.00	e14	19	0.00	0.00	9.3	0.00	9.1	0.00		
27	e74	e0.00	e17	12	0.00	0.00	9.6	0.00	9.1	0.00		
28	e72	e0.00	e22	0.53	0.00	0.00	10	0.00	9.3	0.00		
29	e72	---	e24	0.11	0.00	0.00	10	0.00	9.3	0.00		
30	e71	---	e73	0.11	0.00	0.00	10	0.00	9.3	0.00		
31	e53	---	e56	---	0.00	---	9.4	0.00	---	0.00		
TOTAL	431.00	124.82	266.89	529.47	2.43	1,024.49	161.89	80.20	125.93	217.52		
MEAN	13.9	4.46	8.61	17.6	0.08	34.1	5.22	2.59	4.20	7.02		
MAX	74	35	73	165	1.4	80	10	8.8	9.3	16		
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
AC-FT	855	248	529	1,050	4.8	2,030	321	159	250	431		

e--Estimated.

06148500 CYPRESS LAKE WEST INFLOW CANAL NEAR WEST PLAINS, SASKATCHEWAN—Continued



MILK RIVER BASIN

06148700 CYPRESS LAKE WEST INFLOW CANAL DRAIN NEAR OXARAT, SASKATCHEWAN
(International gaging station)

LOCATION.--Lat 49°28'25", long 109°36'38" (NAD 27), in NW¹/₄ sec.17, T.6, R.27 W., third meridian, Hydrologic Unit 10050008, on left bank about 500 ft downstream from drain gate on Cypress Lake west inflow canal, 0.5 mi upstream from Battle Creek, and 4 mi northwest of Oxarat.

PERIOD OF RECORD.--March 1963 to current season (seasonal records only). March 1955 to current season in reports of Department of the Environment, Canada.

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

REMARKS.--Records poor. Drain used as an emergency bypass to return diverted water to Battle Creek. It may also be used to return stored water from Cypress Lake when lake stage is high.

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

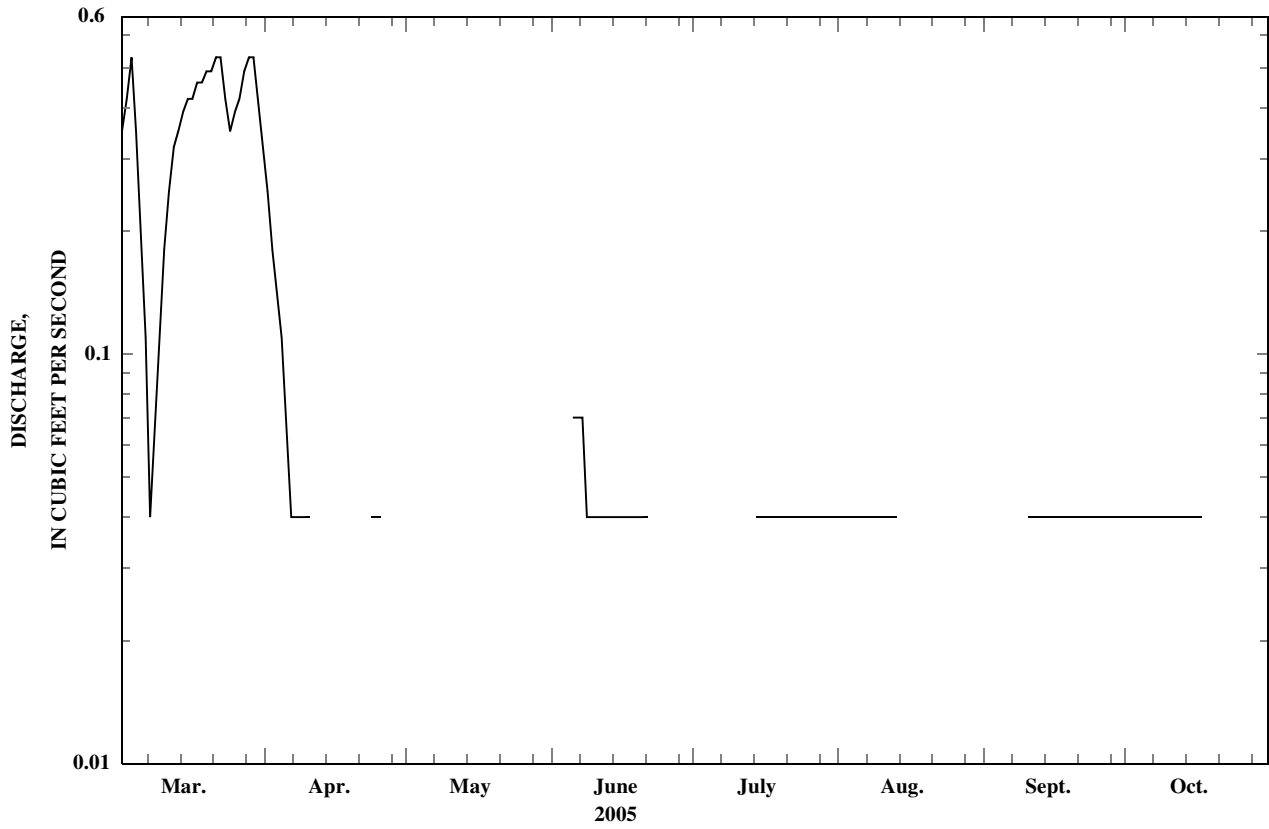
EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 450 ft³/s, Apr. 20, 1955; no flow at times each season.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2005
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			e0.35	e0.25	0.00	0.00	0.00	0.04	0.00	0.04		
2			e0.42	e0.18	0.00	0.00	0.00	0.04	0.00	0.04		
3			e0.53	e0.14	0.00	0.00	0.00	0.04	0.00	0.04		
4			e0.35	e0.11	0.00	0.00	0.00	0.04	0.00	0.04		
5			e0.18	0.07	0.00	0.07	0.00	0.04	0.00	0.04		
6			e0.11	0.04	0.00	0.07	0.00	0.04	0.00	0.04		
7			e0.04	0.04	0.00	0.07	0.00	0.04	0.00	0.04		
8			e0.07	0.04	0.00	0.04	0.00	0.04	0.00	0.04		
9			e0.11	0.04	0.00	0.04	0.00	0.04	0.00	0.04		
10			e0.18	0.04	0.00	0.04	0.00	0.04	0.04	0.04		
11			e0.25	0.00	0.00	0.04	0.00	0.04	0.04	0.04		
12			e0.32	0.00	0.00	0.04	0.00	0.04	0.04	0.04		
13			e0.35	0.00	0.00	0.04	0.00	0.04	0.04	0.04		
14			e0.39	0.00	0.00	0.04	0.04	0.00	0.04	0.04		
15			e0.42	0.00	0.00	0.04	0.04	0.00	0.04	0.04		
16			e0.42	0.00	0.00	0.04	0.04	0.00	0.04	0.04		
17			e0.46	0.00	0.00	0.04	0.04	0.00	0.04	0.04		
18			e0.46	0.00	0.00	0.04	0.04	0.00	0.04	0.00		
19			e0.49	0.00	0.00	0.04	0.04	0.00	0.04	0.00		
20			e0.49	0.00	0.00	0.04	0.04	0.00	0.04	0.00		
21			e0.53	0.00	0.00	0.04	0.04	0.00	0.04	0.00		
22			e0.53	0.00	0.00	0.00	0.04	0.00	0.04	0.00		
23			e0.42	0.04	0.00	0.00	0.04	0.00	0.04	0.00		
24			e0.35	0.04	0.00	0.00	0.04	0.00	0.04	0.00		
25			e0.39	0.04	0.00	0.00	0.04	0.00	0.04	0.00		
26			e0.42	0.00	0.00	0.00	0.04	0.00	0.04	0.00		
27			e0.49	0.00	0.00	0.00	0.04	0.00	0.04	0.00		
28			e0.53	0.00	0.00	0.00	0.04	0.00	0.04	0.00		
29			e0.53	0.00	0.00	0.00	0.04	0.00	0.04	0.00		
30			e0.42	0.00	0.00	0.00	0.04	0.00	0.04	0.00		
31			e0.32	---	0.00	---	0.04	0.00	---	0.00		
TOTAL			11.32	1.07	0.00	0.77	0.72	0.52	0.84	0.68		
MEAN			0.37	0.04	0.00	0.03	0.02	0.02	0.03	0.02		
MAX			0.53	0.25	0.00	0.07	0.04	0.04	0.04	0.04		
MIN			0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
AC-FT			22	2.1	0.00	1.5	1.4	1.0	1.7	1.3		

e--Estimated.

06148700 CYPRESS LAKE WEST INFLOW CANAL DRAIN NEAR OXARAT, SASKATCHEWAN—Continued



06149000 CYPRESS LAKE WEST OUTFLOW CANAL NEAR WEST PLAINS, SASKATCHEWAN
(International gaging station)

LOCATION.--Lat 49°28'14", long 109°35'18" (NAD 27), in SW¹/₄ sec.16, T.6, R.27 W., third meridian, Hydrologic Unit 10050008, on left bank 1.1 mi downstream from Cypress Lake West Dam, 6 mi northeast of West Plains, and 13 mi north of Consul.

PERIOD OF RECORD.--March 1940 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. 18, 1952, at site 1 mi upstream and 300 ft downstream from Cypress Lake West Dam at different elevation.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Canal diverts water from Cypress Lake in NW¹/₄ sec.15, T.6, R.27 W., third meridian, for irrigation of 5,500 acres in Battle Creek basin in Saskatchewan. Water may be delivered to Battle Creek or diverted into Vidora Ditch at gate structure near lower end of canal. 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.

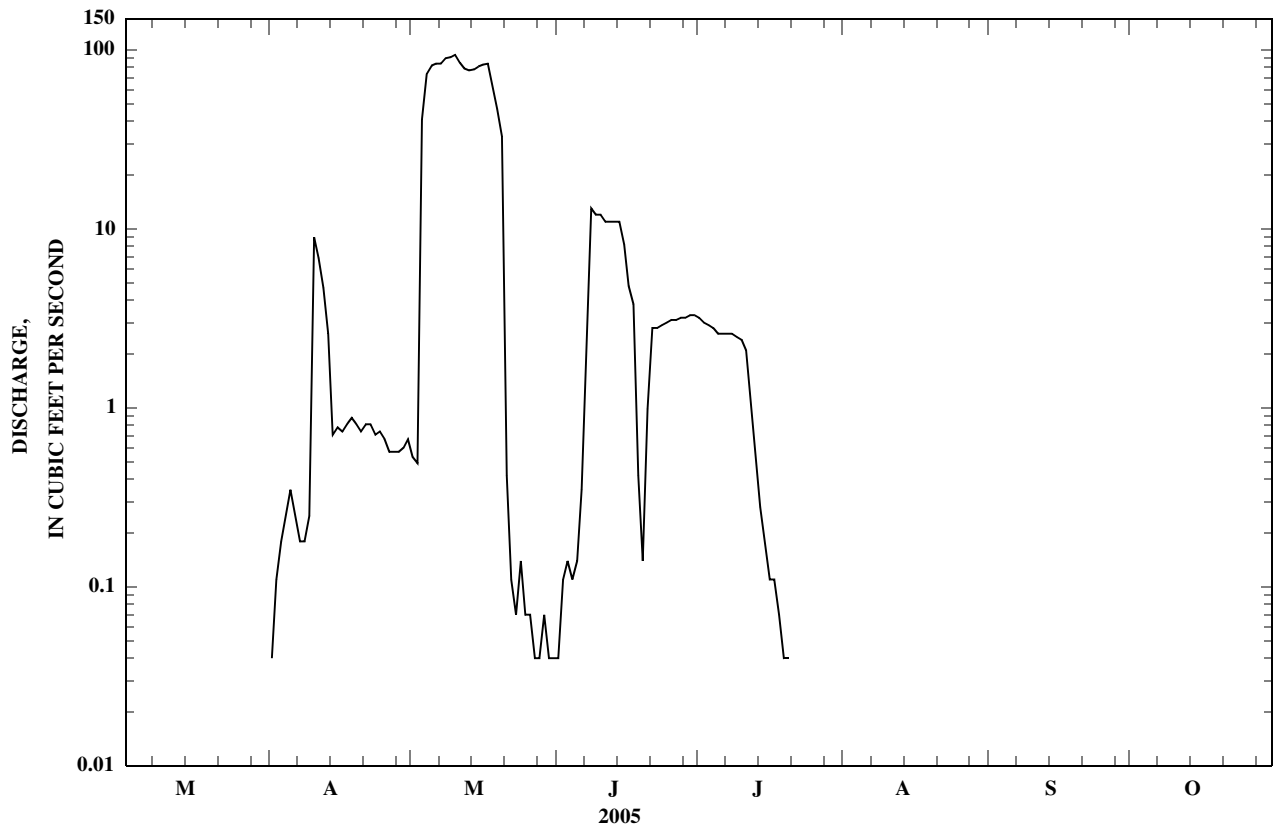
EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 304 ft³/s, May 4, 1951; no flow at times each season.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2005
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			e0.00	e0.04	0.53	0.04	3.2	0.00	0.00	0.00		
2			e0.00	e0.11	0.49	0.11	3.0	0.00	0.00	0.00		
3			e0.00	e0.18	41	0.14	2.9	0.00	0.00	0.00		
4			e0.00	e0.25	74	0.11	2.8	0.00	0.00	0.00		
5			e0.00	e0.35	82	0.14	2.6	0.00	0.00	0.00		
6			e0.00	e0.25	84	0.35	2.6	0.00	0.00	0.00		
7			e0.00	e0.18	84	3.0	2.6	0.00	0.00	0.00		
8			e0.00	e0.18	90	13	2.6	0.00	0.00	0.00		
9			e0.00	e0.25	91	12	2.5	0.00	0.00	0.00		
10			e0.00	e9.0	94	12	2.4	0.00	0.00	0.00		
11			e0.00	e6.9	85	11	2.1	0.00	0.00	0.00		
12			e0.00	e4.7	79	11	0.95	0.00	0.00	0.00		
13			e0.00	e2.6	77	11	0.49	0.00	0.00	0.00		
14			e0.00	0.71	78	11	0.28	0.00	0.00	0.00		
15			e0.00	0.78	81	8.2	0.18	0.00	0.00	0.00		
16			e0.00	0.74	83	4.8	0.11	0.00	0.00	0.00		
17			e0.00	0.81	84	3.8	0.11	0.00	0.00	0.00		
18			e0.00	0.88	63	0.42	0.07	0.00	0.00	0.00		
19			e0.00	0.81	47	0.14	0.04	0.00	0.00	0.00		
20			e0.00	0.74	33	0.99	0.04	0.00	0.00	0.00		
21			e0.00	0.81	0.42	2.8	0.00	0.00	0.00	0.00		
22			e0.00	0.81	0.11	2.8	0.00	0.00	0.00	0.00		
23			e0.00	0.71	0.07	2.9	0.00	0.00	0.00	0.00		
24			e0.00	0.74	0.14	3.0	0.00	0.00	0.00	0.00		
25			e0.00	0.67	0.07	3.1	0.00	0.00	0.00	0.00		
26			e0.00	0.57	0.07	3.1	0.00	0.00	0.00	0.00		
27			e0.00	0.57	0.04	3.2	0.00	0.00	0.00	0.00		
28			e0.00	0.57	0.04	3.2	0.00	0.00	0.00	0.00		
29			e0.00	0.60	0.07	3.3	0.00	0.00	0.00	0.00		
30			e0.00	0.67	0.04	3.3	0.00	0.00	0.00	0.00		
31			e0.00	---	0.04	---	0.00	0.00	---	0.00		
TOTAL			0.00	37.18	1,352.13	133.94	31.57	0.00	0.00	0.00		
MEAN			0.00	1.24	43.6	4.46	1.02	0.00	0.00	0.00		
MAX			0.00	9.0	94	13	3.2	0.00	0.00	0.00		
MIN			0.00	0.04	0.04	0.04	0.00	0.00	0.00	0.00		
AC-FT			0.00	74	2,680	266	63	0.00	0.00	0.00		

e--Estimated.

06149000 CYPRESS LAKE WEST OUTFLOW CANAL NEAR WEST PLAINS, SASKATCHEWAN—Continued



06149100 VIDORA DITCH NEAR CONSUL, SASKATCHEWAN
(International gaging station)

LOCATION.--Lat 49°27'27", long 109°35'30" (NAD 27), in SW¹/₄ sec.9, T.6, R.27 W., third meridian, Hydrologic Unit 10050008, on left bank 0.5 mi downstream from headgate near lower end of Cypress Lake west outflow canal, 12 mi north of Consul.

PERIOD OF RECORD.--March 1963 to current season (seasonal records only). March 1952 to current season in reports of Department of the Environment, Canada.

GAGE.--Water-stage recorder. Elevation of gage is 3,200 ft (NGVD 29). Prior to Aug. 1, 1963, at elevation 1.0 ft higher.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Canal diverts water from Cypress Lake west outflow canal in NE¹/₄ sec.8, T.6, R.27 W., third meridian, for irrigation of about 2,140 acres in the Battle Creek basin. Water may be delivered either to this canal or returned to Battle Creek from 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.

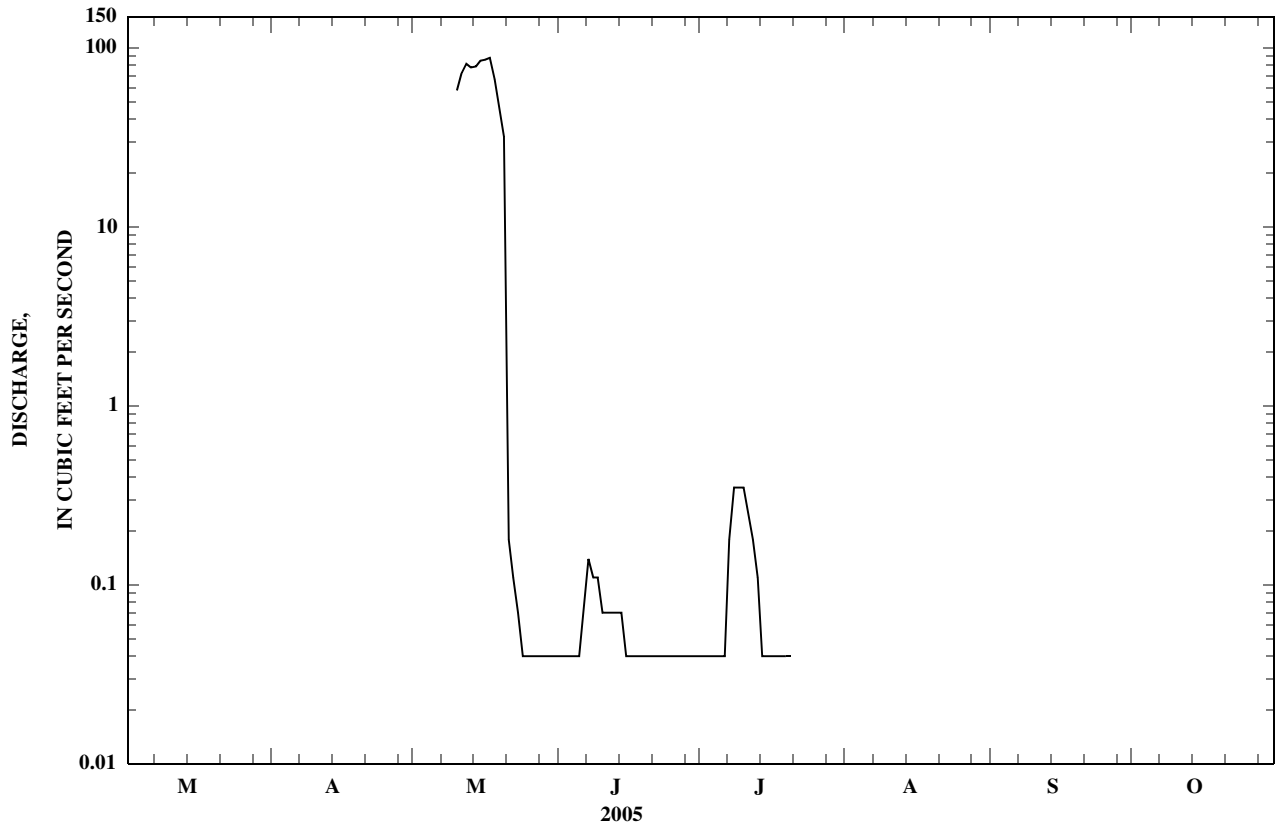
EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 101 ft³/s, May 26, 1988; no flow at times each season.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2005
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			0.00	0.00	0.00	e0.04	e0.04	0.00	0.00	0.00		
2			0.00	0.00	0.00	e0.04	e0.04	0.00	0.00	0.00		
3			0.00	0.00	0.00	e0.04	e0.04	0.00	0.00	0.00		
4			0.00	0.00	0.00	e0.04	e0.04	0.00	0.00	0.00		
5			0.00	0.00	0.00	e0.04	e0.04	0.00	0.00	0.00		
6			0.00	0.00	0.00	e0.07	0.04	0.00	0.00	0.00		
7			0.00	0.00	0.00	e0.14	0.18	0.00	0.00	0.00		
8			0.00	0.00	0.00	e0.11	0.35	0.00	0.00	0.00		
9			0.00	0.00	0.00	e0.11	0.35	0.00	0.00	0.00		
10			0.00	0.00	58	e0.07	0.35	0.00	0.00	0.00		
11			0.00	0.00	73	e0.07	0.25	0.00	0.00	0.00		
12			0.00	0.00	82	e0.07	0.18	0.00	0.00	0.00		
13			0.00	0.00	78	e0.07	0.11	0.00	0.00	0.00		
14			0.00	0.00	79	e0.07	0.04	0.00	0.00	0.00		
15			0.00	0.00	85	e0.04	e0.04	0.00	0.00	0.00		
16			0.00	0.00	86	e0.04	e0.04	0.00	0.00	0.00		
17			0.00	0.00	88	e0.04	e0.04	0.00	0.00	0.00		
18			0.00	0.00	67	e0.04	e0.04	0.00	0.00	0.00		
19			0.00	0.00	46	e0.04	e0.04	0.00	0.00	0.00		
20			0.00	0.00	32	e0.04	e0.04	0.00	0.00	0.00		
21			0.00	0.00	e0.18	e0.04	0.00	0.00	0.00	0.00		
22			0.00	0.00	e0.11	e0.04	0.00	0.00	0.00	0.00		
23			0.00	0.00	e0.07	e0.04	0.00	0.00	0.00	0.00		
24			0.00	0.00	e0.04	e0.04	0.00	0.00	0.00	0.00		
25			0.00	0.00	e0.04	e0.04	0.00	0.00	0.00	0.00		
26			0.00	0.00	e0.04	e0.04	0.00	0.00	0.00	0.00		
27			0.00	0.00	e0.04	e0.04	0.00	0.00	0.00	0.00		
28			0.00	0.00	e0.04	e0.04	0.00	0.00	0.00	0.00		
29			0.00	0.00	e0.04	e0.04	0.00	0.00	0.00	0.00		
30			0.00	0.00	e0.04	e0.04	0.00	0.00	0.00	0.00		
31			0.00	---	e0.04	---	0.00	0.00	---	0.00		
TOTAL			0.00	0.00	774.68	1.62	2.29	0.00	0.00	0.00		
MEAN			0.00	0.00	25.0	0.05	0.07	0.00	0.00	0.00		
MAX			0.00	0.00	88	0.14	0.35	0.00	0.00	0.00		
MIN			0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00		
AC-FT			0.00	0.00	1,540	3.2	4.5	0.00	0.00	0.00		

e--Estimated.

06149100 VIDORA DITCH NEAR CONSUL, SASKATCHEWAN—Continued



06149200 RICHARDSON DITCH NEAR CONSUL, SASKATCHEWAN
(International gaging station)

LOCATION.--Lat 49°21'50", long 109°32'12" (NAD 27), near center of south line of sec.11, T.5, R.27 W., third meridian, Hydrologic Unit 10050008, on left bank 420 ft downstream from headgate, 4.8 mi north of Consul.

PERIOD OF RECORD.--March 1963 to current season (seasonal records only). 1910-12, 1914, 1916-20, 1922-33, 1935, July 1946 to current season in reports of Department of the Environment, Canada. Estimates of seasonal diversion only in most seasons prior to 1946.

GAGE.--Water-stage recorder. Prior to June 26, 1949, nonrecording gages at different sites and elevations. June 26, 1949, to Aug. 28, 1963, water-stage recorder at present site at elevation 1.00 ft higher.

REMARKS.--Records good. Ditch diverts from left bank of Battle Creek in SW¹/₄ sec.11, T.5, R.27 W., third meridian, for irrigation of about 1,330 acres along Battle Creek. Water Survey of Canada satellite telemeter at station.

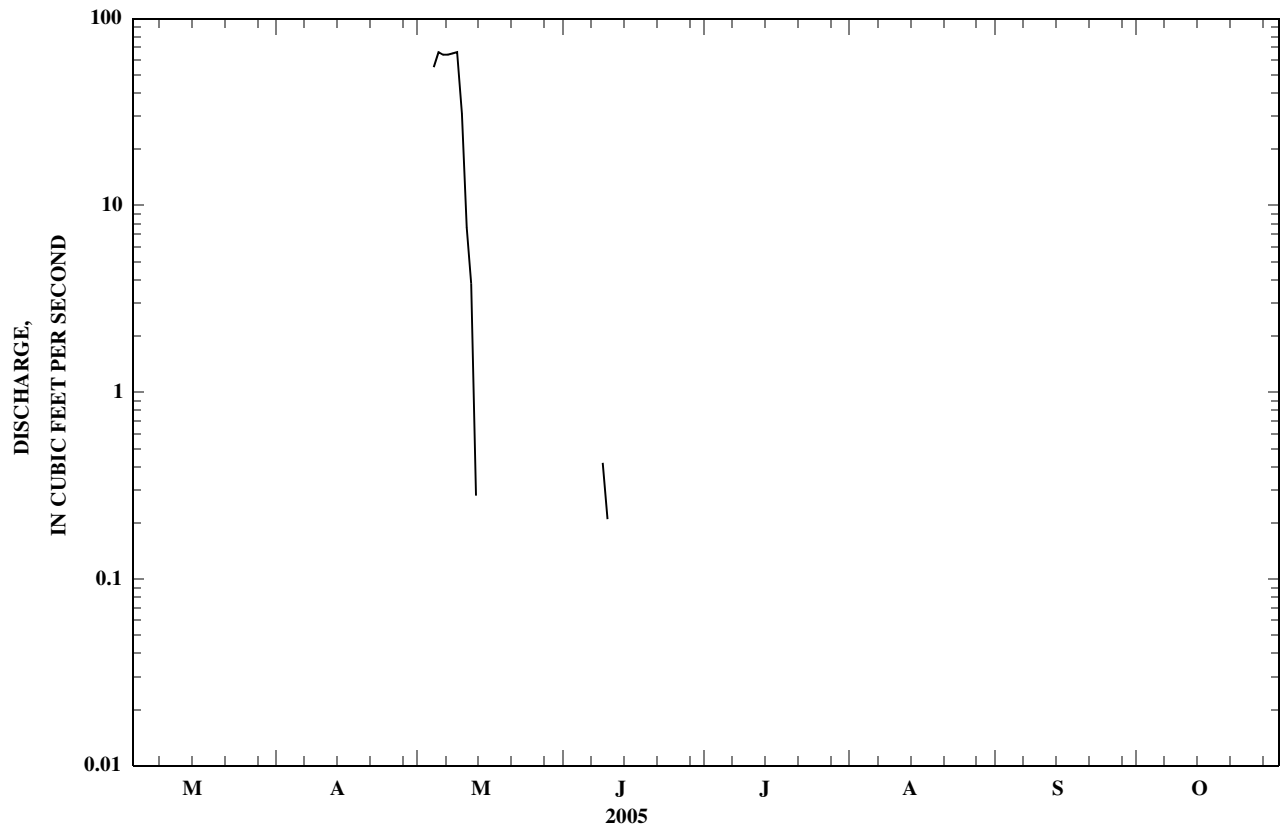
COOPERATION.--This is one of a number of stations which are maintained jointly by Canada and the United States.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 72 ft³/s, June 15, 1974; no flow at times each season.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2005
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		
2			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
4			0.00	0.00	55	0.00	0.00	0.00	0.00	0.00		
5			0.00	0.00	66	0.00	0.00	0.00	0.00	0.00		
6			0.00	0.00	64	0.04	0.00	0.00	0.00	0.00		
7			0.00	0.00	64	0.00	0.00	0.00	0.00	0.00		
8			0.00	0.00	65	0.00	0.00	0.00	0.00	0.00		
9			0.00	0.00	66	0.42	0.00	0.00	0.00	0.00		
10			0.00	0.00	31	0.21	0.00	0.00	0.00	0.00		
11			0.00	0.00	7.6	0.00	0.00	0.00	0.00	0.00		
12			0.00	0.00	3.8	0.00	0.00	0.00	0.00	0.00		
13			0.00	0.00	0.28	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		
15			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	0.00	0.00		
17			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
18			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
19			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
20			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
21			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
22			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
23			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
24			0.00	0.00	0.00	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		
26			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		
28			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		
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	422.68	0.67	0.00	0.00	0.00	0.00		
MEAN			0.00	0.00	13.6	0.02	0.00	0.00	0.00	0.00		
MAX			0.00	0.00	66	0.42	0.00	0.00	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	0.00	838	1.3	0.00	0.00	0.00	0.00		

06149200 RICHARDSON DITCH NEAR CONSUL, SASKATCHEWAN—Continued



MILK RIVER BASIN

06149300 MCKINNON DITCH NEAR CONSUL, SASKATCHEWAN
(International gaging station)

LOCATION.--Lat 49°20'00", long 109°29'40" (NAD 27), in NW¹/₄ sec.30, T.4, R.26 W., third meridian, Hydrologic Unit 10050008, on right bank 1.0 mi downstream from headgate on Battle Creek, and 2.7 mi northeast of Consul.

PERIOD OF RECORD.--March 1963 to current season (seasonal records only). 1911-26, 1929-31, and March 1938 to current season in reports of Department of the Environment, Canada. Estimates of seasonal diversions only in many years prior to 1947.

GAGE.--Water-stage recorder. Prior to September 1949, nonrecording gages at various sites and elevations. Sept. 4, 1949, to Aug. 29, 1963, water-stage recorder at present site at elevation 1.00 ft higher.

REMARKS.--Records good. Ditch diverts from right bank of Battle Creek in NE¹/₄ sec.30, T.4, R.26 W., third meridian, for irrigation of about 1,320 acres along Battle Creek. Water Survey of Canada satellite telemeter at station.

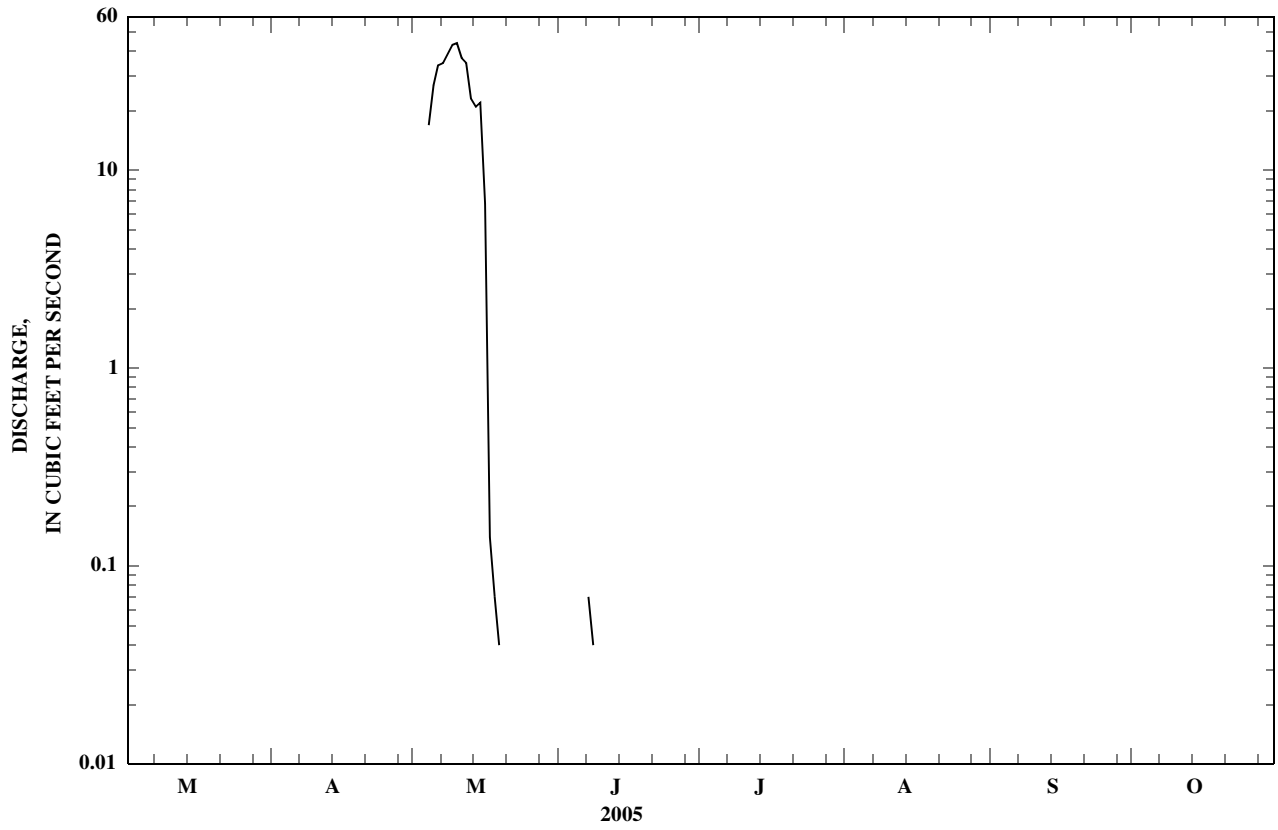
COOPERATION.--This is one of a number of stations which are maintained jointly by Canada and the United States.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 68 ft³/s, June 18, 1975; no flow at times each season.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2005
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		
2			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
4			0.00	0.00	17	0.00	0.00	0.00	0.00	0.00		
5			0.00	0.00	27	0.00	0.00	0.00	0.00	0.00		
6			0.00	0.00	34	0.00	0.00	0.00	0.00	0.00		
7			0.00	0.00	35	0.07	0.00	0.00	0.00	0.00		
8			0.00	0.00	39	0.04	0.00	0.00	0.00	0.00		
9			0.00	0.00	43	0.00	0.00	0.00	0.00	0.00		
10			0.00	0.00	44	0.00	0.00	0.00	0.00	0.00		
11			0.00	0.00	37	0.00	0.00	0.00	0.00	0.00		
12			0.00	0.00	35	0.00	0.00	0.00	0.00	0.00		
13			0.00	0.00	23	0.00	0.00	0.00	0.00	0.00		
14			0.00	0.00	21	0.00	0.00	0.00	0.00	0.00		
15			0.00	0.00	22	0.00	0.00	0.00	0.00	0.00		
16			0.00	0.00	6.8	0.00	0.00	0.00	0.00	0.00		
17			0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00		
18			0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00		
19			0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00		
20			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
21			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
22			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
23			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
24			0.00	0.00	0.00	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		
26			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		
28			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		
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	384.05	0.11	0.00	0.00	0.00	0.00		
MEAN			0.00	0.00	12.4	0.00	0.00	0.00	0.00	0.00		
MAX			0.00	0.00	44	0.07	0.00	0.00	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	0.00	762	0.2	0.00	0.00	0.00	0.00		

06149300 MCKINNON DITCH NEAR CONSUL, SASKATCHEWAN—Continued



MILK RIVER BASIN

06149400 NASHLYN CANAL NEAR CONSUL, SASKATCHEWAN
(International gaging station)

LOCATION.--Lat 49°13'57", long 109°33'27" (NAD 27), in NE¹/₄ sec.22, T.3, R.27 W., third meridian, Hydrologic Unit 10050008, on left bank 0.8 mi downstream from headgate on Battle Creek, and 5.9 mi south of Consul.

PERIOD OF RECORD.--March 1963 to current season (seasonal records only); 1912, 1914-35, 1938 to current season in reports of Department of the Environment, Canada. Prior to March 1950, estimates of seasonal diversions only in many seasons. Prior to Mar. 1, 1971, published as "Stirling and Nash Ditch".

GAGE.--Water-stage recorder. Prior to Sept. 21, 1949, water-stage recorder at present site or nonrecording gages at site 0.5 mi downstream at different elevations.

REMARKS.--Records good. Ditch diverts water from left bank of Battle Creek in SW¹/₄ sec.27, T.3, R.27 W., third meridian, for irrigation of about 1,880 acres along Battle Creek. 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.

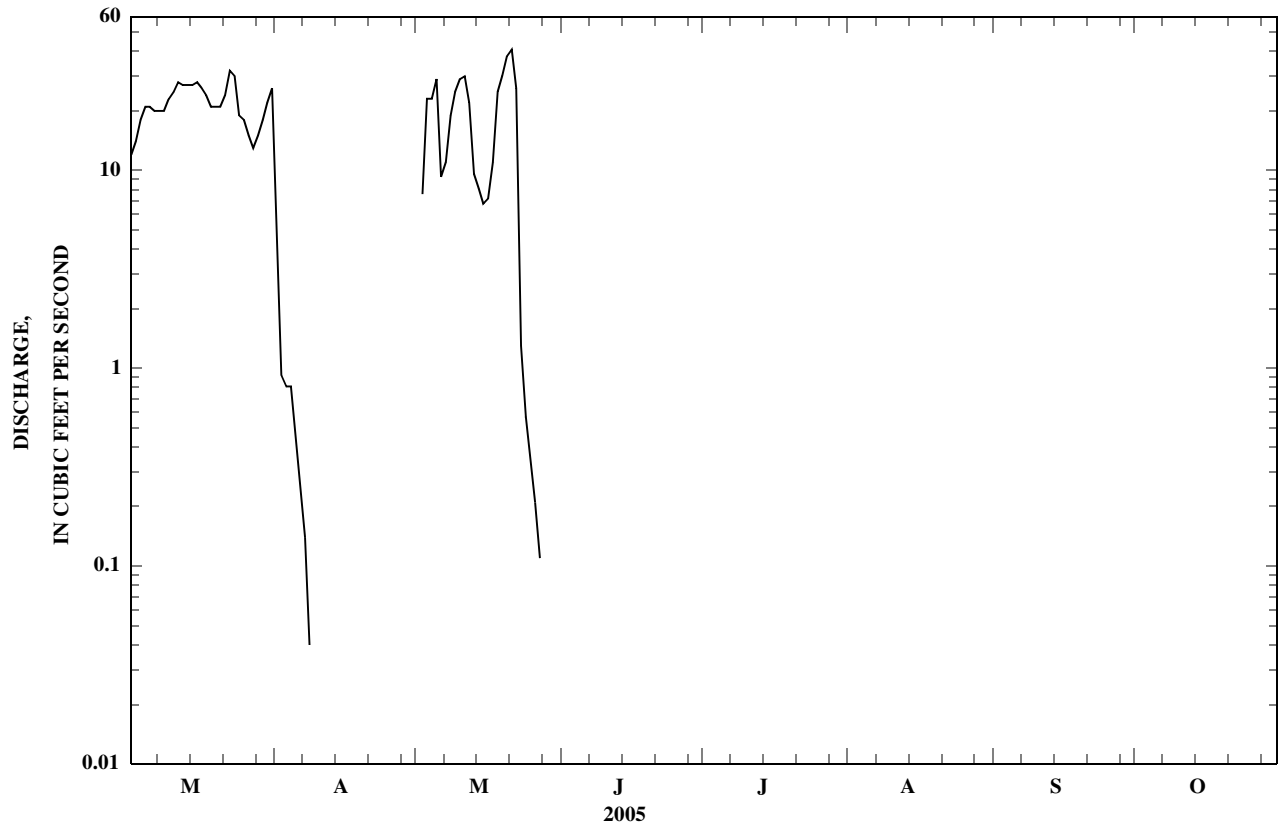
EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 85 ft³/s, Apr. 14, 1952; no flow at times each season.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2005
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			e12	3.3	0.00	0.00	0.00	0.00	0.00	0.00		
2			e14	0.92	7.6	0.00	0.00	0.00	0.00	0.00		
3			e18	0.81	23	0.00	0.00	0.00	0.00	0.00		
4			e21	0.81	23	0.00	0.00	0.00	0.00	0.00		
5			e21	0.46	29	0.00	0.00	0.00	0.00	0.00		
6			e20	0.25	9.3	0.00	0.00	0.00	0.00	0.00		
7			e20	0.14	11	0.00	0.00	0.00	0.00	0.00		
8			e20	0.04	19	0.00	0.00	0.00	0.00	0.00		
9			e23	0.00	25	0.00	0.00	0.00	0.00	0.00		
10			e25	0.00	29	0.00	0.00	0.00	0.00	0.00		
11			e28	0.00	30	0.00	0.00	0.00	0.00	0.00		
12			e27	0.00	22	0.00	0.00	0.00	0.00	0.00		
13			e27	0.00	9.6	0.00	0.00	0.00	0.00	0.00		
14			e27	0.00	8.1	0.00	0.00	0.00	0.00	0.00		
15			e28	0.00	6.8	0.00	0.00	0.00	0.00	0.00		
16			e26	0.00	7.2	0.00	0.00	0.00	0.00	0.00		
17			e24	0.00	11	0.00	0.00	0.00	0.00	0.00		
18			e21	0.00	25	0.00	0.00	0.00	0.00	0.00		
19			e21	0.00	30	0.00	0.00	0.00	0.00	0.00		
20			e21	0.00	38	0.00	0.00	0.00	0.00	0.00		
21			e24	0.00	41	0.00	0.00	0.00	0.00	0.00		
22			e32	0.00	26	0.00	0.00	0.00	0.00	0.00		
23			e30	0.00	1.3	0.00	0.00	0.00	0.00	0.00		
24			e19	0.00	0.57	0.00	0.00	0.00	0.00	0.00		
25			e18	0.00	0.35	0.00	0.00	0.00	0.00	0.00		
26			e15	0.00	0.21	0.00	0.00	0.00	0.00	0.00		
27			e13	0.00	0.11	0.00	0.00	0.00	0.00	0.00		
28			e15	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
29			18	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
30			22	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
31			26	---	0.00	---	0.00	0.00	---	0.00		
TOTAL			676	6.73	433.14	0.00	0.00	0.00	0.00	0.00		
MEAN			21.8	0.22	14.0	0.00	0.00	0.00	0.00	0.00		
MAX			32	3.3	41	0.00	0.00	0.00	0.00	0.00		
MIN			12	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
AC-FT			1,340	13	859	0.00	0.00	0.00	0.00	0.00		

e--Estimated.

06149400 NASHLYN CANAL NEAR CONSUL, SASKATCHEWAN—Continued



06149500 BATTLE CREEK AT INTERNATIONAL BOUNDARY
(International gaging station)

LOCATION.--Lat 49°00'07", long 109°25'18" (NAD 27), in SE¹/₄ sec.4, T.1, R.26 W., third meridian, Hydrologic Unit 10050008, on left bank 600 ft north of international boundary, in Saskatchewan, 8 mi upstream from Woodpile Coulee, 30 mi north of Chinook, , and at mile 69.8.

DRAINAGE AREA.--997 mi², of which 378 mi² is probably noncontributing.

PERIOD OF RECORD.--April 1917 to current season (seasonal records only most seasons). Monthly discharge only for March 1918 and March 1928, published in WSP 1309.

REVISED RECORDS.--WSP 1389: 1935(M), 1936, 1937-38(M). WSP 1729: 1924, 1926, 1932 (monthly discharge only). W 1983: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 2,729.8 ft (International Boundary Commission Survey Datum).

REMARKS.--Records good except those for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, diversions for irrigation of about 9,500 acres, and return flow from irrigated areas. Water may be diverted into or from Frenchman River basin through Cypress Lake. Water Survey of Canada satellite telemeter at station. Several unpublished 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 Canada and the United States.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2005
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		e12	e19	32	14	17	30	2.1	12	5.5		
2		e16	e20	32	16	17	30	1.9	17	5.4		
3		e18	16	31	25	17	30	1.5	14	4.6		
4		e14	11	32	20	16	33	1.1	11	4.7		
5		e8.8	9.3	37	9.7	16	35	1.1	9.7	4.4		
6		e9.9	9.3	42	5.2	21	34	0.99	8.4	5.3		
7		e12	8.3	38	3.2	25	31	0.88	7.8	5.2		
8		e14	11	40	2.2	51	28	0.74	7.1	5.5		
9		e15	14	32	1.8	37	25	0.64	6.9	5.8		
10		e14	12	26	1.4	32	25	0.64	6.7	5.4		
11		e12	16	19	1.1	41	22	0.71	6.9	5.5		
12		e11	17	24	1.0	87	18	0.57	6.5	5.8		
13		e11	12	39	1.0	83	17	0.67	6.1	5.3		
14		e11	19	52	0.88	74	14	0.85	5.9	5.0		
15		e10	12	52	0.78	61	13	0.74	6.4	5.1		
16		e9.6	20	35	7.0	45	13	0.71	6.1	4.9		
17		e9.5	15	32	8.9	36	12	0.64	5.3	4.7		
18		e9.7	12	34	7.6	35	11	0.49	5.4	5.0		
19		e10	8.6	31	5.7	35	8.4	4.9	10	5.2		
20		e10	9.7	33	3.7	28	7.0	11	9.9	5.3		
21		e11	9.0	33	2.5	23	5.9	9.5	9.0	5.2		
22		e12	6.5	37	1.8	19	5.4	9.1	7.6	4.7		
23		e12	6.6	42	1.2	24	4.9	8.4	7.0	3.7		
24		e13	20	40	2.3	22	4.4	9.2	7.5	12		
25		e15	14	37	31	15	3.5	9.1	7.4	18		
26		e16	12	29	48	20	3.1	8.6	7.0	18		
27		e17	11	21	40	37	3.0	9.5	6.1	17		
28		e18	8.4	17	35	35	3.0	9.1	5.1	17		
29		---	8.6	14	32	32	2.9	10	4.8	17		
30		---	9.4	15	32	31	2.6	10	4.9	16		
31		---	10	---	22	---	2.3	9.3	---	16		
TOTAL		351.5	386.7	978	383.96	1,032	477.4	134.67	235.5	248.2		
MEAN		12.6	12.5	32.6	12.4	34.4	15.4	4.34	7.85	8.01		
MAX		18	20	52	48	87	35	11	17	18		
MIN		8.8	6.5	14	0.78	15	2.3	0.49	4.8	3.7		
AC-FT		697	767	1,940	762	2,050	947	267	467	492		

STATISTICS OF MONTHLY MEAN DATA FOR SEASONS 1917 - 2005

MEAN	3.03	49.9	124	56.8	32.7	16.6	7.03	8.06	8.05
MAX	12.6	353	1,526	538	261	250	50.7	332	57.7
(WY)	(2005)	(1997)	(1952)	(1927)	(1927)	(1955)	(1975)	(1986)	(1987)
MIN	0.00	0.00	4.34	0.77	0.00	0.00	0.00	0.00	0.00
(WY)	(1920)	(1936)	(1981)	(1937)	(1937)	(1919)	(1919)	(1919)	(1920)

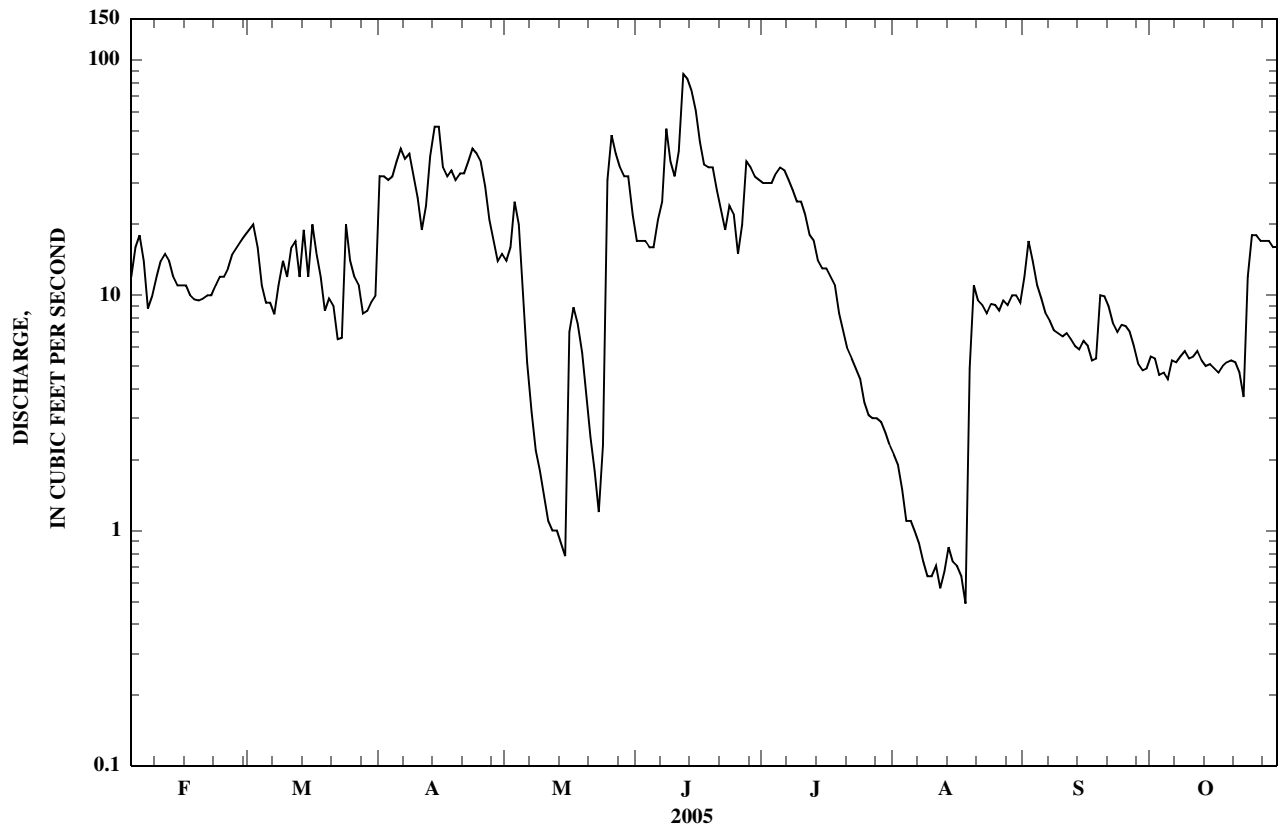
SUMMARY STATISTICS

	FOR 2005 SEASON		SEASONS 1917 - 2005	
HIGHEST DAILY MEAN	87	Jun 12	5,590	Apr 15, 1952
LOWEST DAILY MEAN	0.49	Aug 18	0.00	Mar 1, 1918
MAXIMUM PEAK FLOW	96	Jun 12	a9,780	Sep 25, 1986
MAXIMUM PEAK STAGE	4.56	Jun 12	11.57	Sep 25, 1986

a--From rating table extended above 4,400 ft³/s on basis of slope-area measurement of peak flow.

e--Estimated.

06149500 BATTLE CREEK AT INTERNATIONAL BOUNDARY—Continued



MILK RIVER BASIN

06151500 BATTLE CREEK NEAR CHINOOK, MT

LOCATION.--Lat 48°38'58", long 109°13'54" (NAD 27), in NW¹/₄SW¹/₄NE¹/₄ sec.3, T.33 N., R.19 E., Blaine County, Hydrologic Unit 10050008, on left bank, 4 mi north of Chinook, and at river mile 14.

DRAINAGE AREA.--1,539 mi².

PERIOD OF RECORD.--April 1905 to September 1921 (monthly discharge only, published in WSP 1309), June 1984 to current year (seasonal records only). Published as North Fork Milk River near Chinook prior to 1913.

GAGE.--Water-stage recorder. Elevation of gage is 2,410 ft (NGVD 29). Apr. 22, 1905 to Apr. 8, 1918, chain gage 100 ft downstream, and Apr. 9, 1918 to Sept. 30, 1921, chain gage on bridge 600 ft downstream at same elevation but different from present elevation.

REMARKS.--Records fair. Diversions for irrigation of about 11,000 acres upstream from station. Bureau of Reclamation satellite telemeter at station. Several unpublished observations of water temperature and specific conductance were made during the year.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2005
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				1.6	16	1.1	35	3.0	3.3			
2				1.6	16	0.03	33	3.0	3.4			
3				1.5	15	0.09	32	3.0	3.2			
4				10	14	0.11	34	3.0	3.2			
5				16	13	7.0	28	3.2	6.2			
6				17	17	8.5	28	3.4	7.8			
7				9.5	15	21	30	2.8	5.5			
8				21	6.5	45	30	2.7	5.3			
9				26	4.2	39	29	2.7	4.2			
10				35	2.2	54	25	2.7	4.2			
11				25	0.86	55	20	2.7	3.8			
12				19	0.50	47	16	2.4	3.7			
13				14	1.6	49	17	1.2	3.6			
14				17	1.2	86	20	0.24	3.5			
15				18	0.60	82	17	0.18	3.5			
16				35	0.41	73	14	0.17	3.5			
17				38	0.59	65	10	0.18	3.5			
18				27	0.41	58	4.6	0.20	3.5			
19				21	0.27	56	2.0	0.21	3.2			
20				22	0.20	47	1.3	0.94	2.9			
21				22	0.58	43	2.5	2.3	2.5			
22				23	1.0	39	2.7	1.5	2.5			
23				27	1.5	32	2.1	1.7	2.6			
24				28	1.1	25	0.74	2.1	2.8			
25				31	0.87	23	0.80	2.1	3.2			
26				31	0.48	28	1.6	3.2	3.2			
27				29	0.50	26	1.7	3.2	3.3			
28				28	0.46	21	1.5	3.2	3.5			
29				22	14	26	1.5	3.2	3.5			
30				19	7.1	36	1.3	3.5	3.6			
31				---	3.6	---	1.4	3.7	---			
TOTAL				635.2	156.73	1,092.83	443.74	67.62	111.7			
MEAN				21.2	5.06	36.4	14.3	2.18	3.72			
MAX				38	17	86	35	3.7	7.8			
MIN				1.5	0.20	0.03	0.74	0.17	2.5			
AC-FT				1,260	311	2,170	880	134	222			

STATISTICS OF MONTHLY MEAN DATA FOR SEASONS 1984 - 2005

MEAN	57.0	25.2	22.7	12.8	3.02	45.5
MAX	539	101	48.3	57.6	15.3	910
(WY)	(1996)	(1986)	(2002)	(2000)	(2002)	(1986)
MIN	0.03	0.00	0.09	0.02	0.00	0.00
(WY)	(2002)	(2002)	(1984)	(1984)	(1984)	(1984)

SUMMARY STATISTICS

HIGHEST DAILY MEAN
LOWEST DAILY MEAN
MAXIMUM PEAK FLOW
MAXIMUM PEAK STAGE

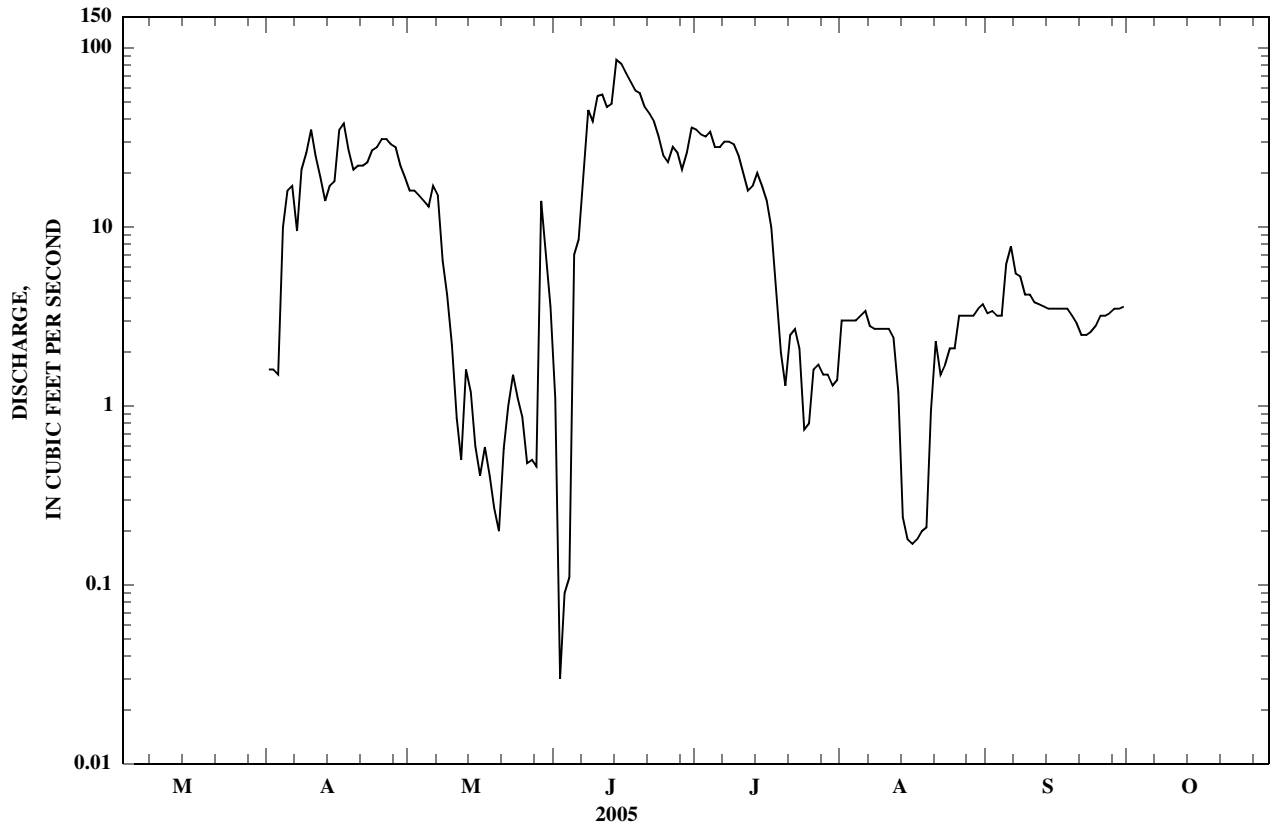
FOR 2005 SEASON

86 Jun 14
0.03 Jun 2
93 Jun 14
2.38 Jun 14

SEASONS 1984 - 2005

12,000 Sep 26 1986
0.00 Jul 12 1984
19,400 Sep 26 1986
22.91 Sep 26 1986

06151500 BATTLE CREEK NEAR CHINOOK, MT—Continued



06154100 MILK RIVER NEAR HARLEM, MT

LOCATION.--Lat 48°29'22", long 108°45'28" (NAD 27), in NE¹/₄ SE¹/₄ NE¹/₄ 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 mi².

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. 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 unpublished 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 2005
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			e80	81	210	401	367	517	456	74		
2			e80	77	211	400	361	505	443	72		
3			e90	74	213	425	319	500	427	69		
4			e100	82	215	388	350	488	420	71		
5			e110	86	211	412	400	507	423	74		
6			157	75	211	452	357	573	414	72		
7			131	66	255	555	352	596	399	74		
8			106	62	321	631	282	596	398	73		
9			97	55	333	591	267	613	361	69		
10			90	147	328	596	266	623	342	66		
11			88	174	321	613	347	623	329	67		
12			87	102	320	499	314	625	349	67		
13			80	82	360	381	270	598	358	72		
14			79	69	369	342	215	567	354	70		
15			76	55	399	394	200	556	324	68		
16			75	52	511	412	253	527	258	68		
17			77	43	542	417	395	519	268	67		
18			70	52	532	445	455	524	253	66		
19			80	133	412	427	486	539	135	68		
20			85	154	284	396	474	551	95	69		
21			81	143	277	354	446	510	83	68		
22			87	153	330	354	440	452	74	65		
23			90	184	412	330	461	441	83	67		
24			86	199	399	350	496	474	127	67		
25			85	188	362	373	503	494	131	64		
26			85	191	363	383	508	486	126	64		
27			83	193	359	385	532	470	99	65		
28			82	192	365	372	519	450	88	64		
29			80	196	354	349	557	442	83	64		
30			72	203	364	355	598	436	76	65		
31			72	---	396	---	515	448	---	70		
TOTAL			2,741	3,563	10,539	12,782	12,305	16,250	7,776	2,119		
MEAN			88.4	119	340	426	397	524	259	68.4		
MAX			157	203	542	631	598	625	456	74		
MIN			70	43	210	330	200	436	74	64		
AC-FT			5,440	7,070	20,900	25,350	24,410	32,230	15,420	4,200		

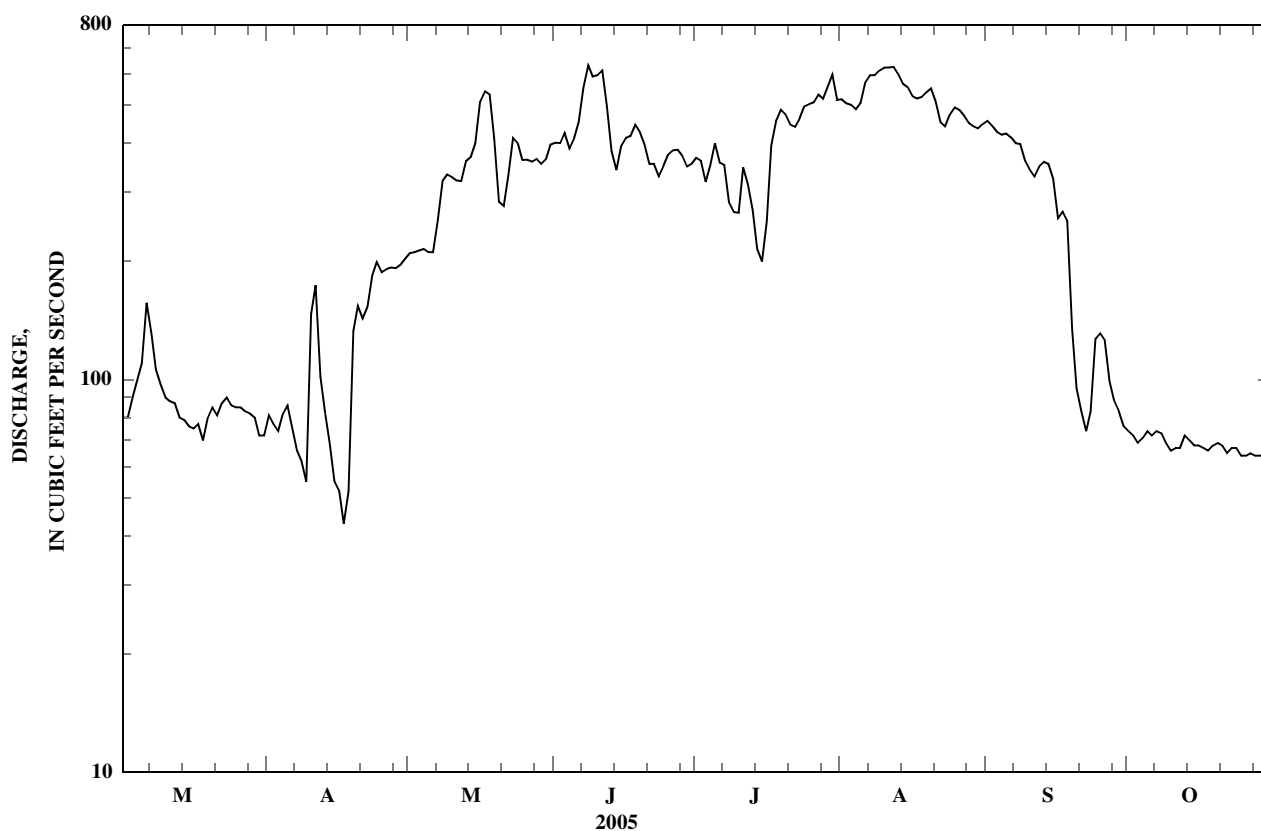
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1993 AND SEASONS 1994 - 2005*

	69.4	84.5	443	540	645	578	559	398	341	205	94.4	71.8
MEAN	69.4	84.5	443	540	645	578	559	398	341	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 2005 SEASON		WATER YEARS 1960 - 1993		SEASONS 1994 - 2005*	
ANNUAL MEAN			349			
HIGHEST ANNUAL MEAN			857	1965		
LOWEST ANNUAL MEAN			139	1984		
HIGHEST DAILY MEAN	631	Jun 8	12,900	Sep 29, 1986	6,190	Mar 18, 1996
LOWEST DAILY MEAN	43	Apr 17	a0.00	Aug 10, 1988	2.5	Apr 6, 2001
ANNUAL SEVEN-DAY MINIMUM			0.00	Aug 24, 1988		
MAXIMUM PEAK FLOW	653	Jun 10	13,900	Sep 29, 1986	6,450	Mar 18, 1996
MAXIMUM PEAK STAGE	7.07	Jun 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--No flow on many days in August and September 1988.
 e--Estimated.



MILK RIVER BASIN

06154400 PEOPLES CREEK NEAR HAYS, MT

LOCATION.--Lat 48°13'25", long 108°42'48" (NAD 27), in SW¹/₄ 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 mi².

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 unpublished observations of water temperature and specific conductance were made during the year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.01	0.00	0.04	e0.00	e0.00	e0.05	14	4.8	0.26	17	0.10	0.10
2	0.02	0.00	0.03	e0.00	e0.00	e0.20	13	5.0	0.74	14	0.10	0.09
3	0.03	0.00	0.03	e0.00	e0.00	e0.50	11	4.3	1.3	11	0.10	0.10
4	0.03	0.00	0.03	e0.00	e0.00	e1.0	10	3.7	2.0	9.5	0.10	0.10
5	0.04	0.00	0.02	e0.00	e0.00	e2.0	8.9	3.3	1.5	8.3	0.08	0.10
6	0.04	0.01	0.02	e0.00	e0.00	e3.0	8.7	3.1	3.0	6.7	0.09	0.10
7	0.05	0.00	0.02	e0.00	e0.00	4.6	7.8	2.5	4.4	5.0	0.08	0.10
8	0.06	0.00	0.02	e0.00	e0.00	4.2	7.1	1.5	8.1	3.4	0.10	0.10
9	0.07	0.00	0.00	e0.00	e0.00	4.2	14	2.1	16	2.3	0.10	0.10
10	0.10	0.00	0.00	e0.00	e0.00	4.2	26	1.6	18	1.3	0.10	0.10
11	0.06	0.00	e0.00	e0.00	e0.00	4.0	25	1.8	16	0.81	0.10	0.10
12	0.06	0.00	e0.00	e0.00	e0.00	4.3	25	1.5	12	0.50	0.10	0.10
13	0.06	0.00	e0.00	e0.00	e0.00	3.9	26	1.5	14	0.29	0.10	0.11
14	0.07	0.00	e0.00	e0.00	e0.00	4.0	22	2.0	22	0.23	0.09	0.10
15	0.07	0.00	e0.00	e0.00	e0.00	3.7	23	2.0	29	0.14	0.10	0.10
16	0.07	0.00	e0.00	e0.00	e0.00	5.6	27	2.2	28	0.10	0.10	0.10
17	0.06	0.03	e0.00	e0.00	e0.00	7.3	27	3.0	23	0.10	0.09	0.10
18	0.04	0.04	e0.00	e0.00	e0.00	6.2	22	2.4	21	0.09	0.10	0.09
19	0.02	0.05	e0.00	e0.00	e0.00	3.9	18	1.6	16	0.09	0.08	0.09
20	0.02	0.05	e0.00	e0.00	e0.00	4.1	14	0.99	15	0.08	0.08	0.10
21	0.02	0.06	e0.00	e0.00	e0.00	6.2	12	1.5	13	0.08	0.08	0.10
22	0.04	0.05	e0.00	e0.00	e0.00	5.7	9.0	1.3	12	0.09	0.08	0.10
23	0.06	0.05	e0.00	e0.00	e0.00	5.9	7.1	1.9	12	0.09	0.09	0.09
24	0.04	0.04	e0.00	e0.00	e0.00	4.6	6.7	1.7	12	0.09	0.10	0.07
25	0.03	0.04	e0.00	e0.00	e0.00	5.4	5.1	1.3	15	0.11	0.10	0.03
26	0.01	0.04	e0.00	e0.00	e0.00	7.6	4.7	1.0	14	0.09	0.09	0.00
27	0.00	0.04	e0.00	e0.00	e0.00	8.4	4.5	0.63	15	0.10	0.10	0.00
28	0.00	0.04	e0.00	e0.00	e0.00	9.8	4.8	0.64	24	0.09	0.10	0.00
29	0.00	0.04	e0.00	e0.00	---	10	4.6	0.35	15	0.09	0.09	0.00
30	0.00	0.03	e0.00	e0.00	---	11	4.5	0.29	16	0.09	0.10	0.00
31	0.00	---	e0.00	e0.00	---	14	---	0.24	---	0.09	0.10	---
TOTAL	1.18	0.61	0.21	0.00	0.00	159.55	412.5	61.74	399.30	81.94	2.92	2.37
MEAN	0.04	0.02	0.01	0.00	0.00	5.15	13.8	1.99	13.3	2.64	0.09	0.08
MAX	0.10	0.06	0.04	0.00	0.00	14	27	5.0	29	17	0.10	0.11
MIN	0.00	0.00	0.00	0.00	0.00	0.05	4.5	0.24	0.26	0.08	0.08	0.00
AC-FT	2.3	1.2	0.4	0.00	0.00	316	818	122	792	163	5.8	4.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2005, BY WATER YEAR (WY)

MEAN	3.25	3.15	2.58	3.29	8.56	28.1	17.1	28.6	20.2	7.93	2.24	3.42
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

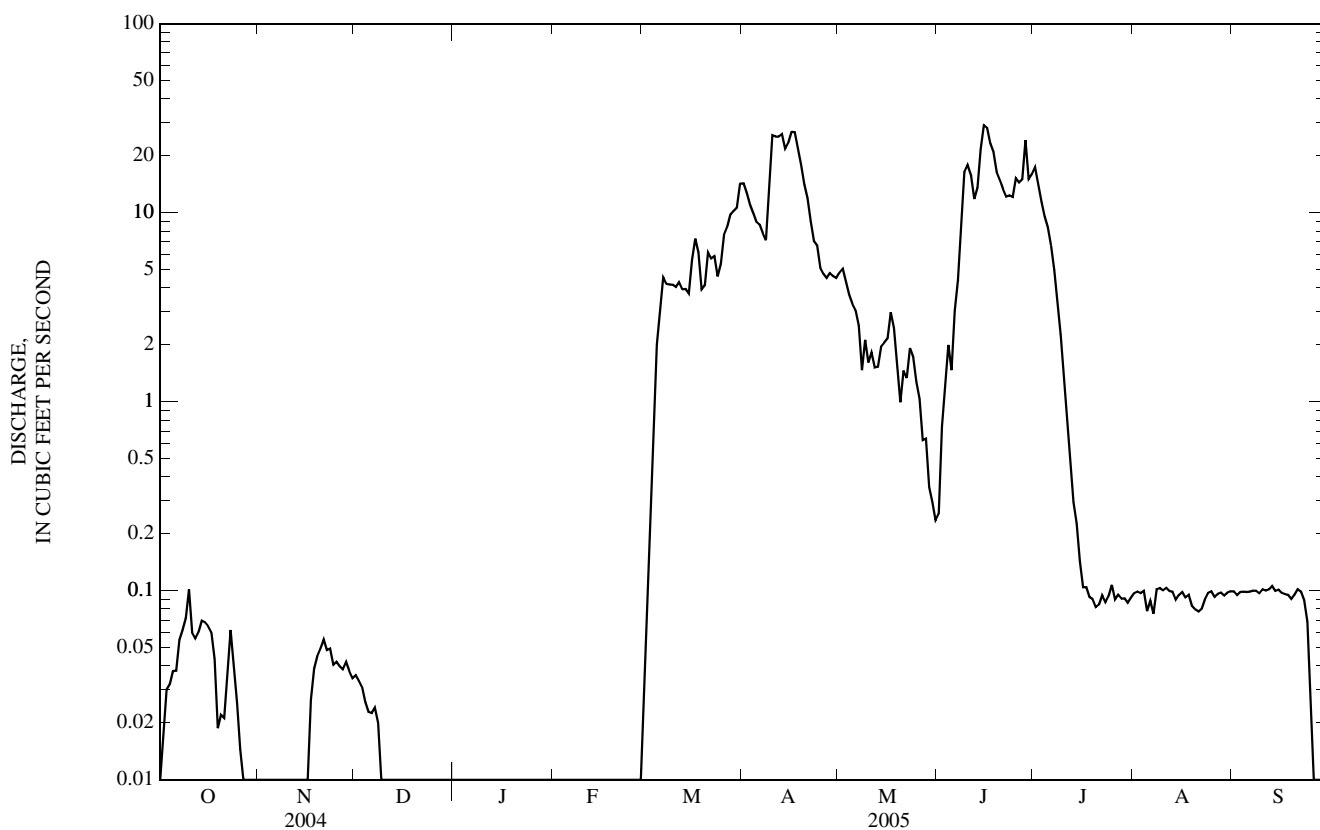
SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1967 - 2005	
ANNUAL TOTAL	1,695.43		1,122.32			
ANNUAL MEAN	4.63		3.07		10.5*	
HIGHEST ANNUAL MEAN					47.8	
LOWEST ANNUAL MEAN					0.10	
HIGHEST DAILY MEAN	209	Mar 9	29	Jun 15	1,000	Mar 7, 1979
LOWEST DAILY MEAN	0.00	Jan 31	0.00	Oct 27	a0.00	Dec 1, 1966
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 31	0.00	Oct 27	0.00	Dec 1, 1966
MAXIMUM PEAK FLOW			49	Jun 28	b8,460	Jun 8, 1972
MAXIMUM PEAK STAGE			4.62	Jun 28	15.03	Jun 8, 1972
INSTANTANEOUS LOW FLOW			0.00	Oct 1	0.00	Jan 2, 1995
ANNUAL RUNOFF (AC-FT)	3,360		2,230		7,640	
10 PERCENT EXCEEDS	10		12		20	
50 PERCENT EXCEEDS	0.05		0.09		0.99	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

*--Median of yearly mean discharge, 4.66 ft³/s, 3,380 ac-ft/yr.

a--No flow at times most years.

b--From floodmark, from rating curve extended above 490 ft³/s on basis of slope-area measurement of peak flow.

c--Estimated.



06154410 LITTLE PEOPLES CREEK NEAR HAYS, MT

LOCATION.--Lat 47°57'58", long 108°39'36" (NAD 27), in SE¹/₄SE¹/₄NW¹/₄ 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 mi².

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

REVISED RECORDS.--WDR -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. Several unpublished observations of water temperature and specific conductance were made during the year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.4	1.3	1.3	1.1	1.1	1.1	3.3	1.9	6.1	2.3	1.5
2	1.6	1.4	1.3	1.3	1.1	1.1	1.1	3.1	2.0	5.8	2.3	1.5
3	1.6	1.4	1.3	1.3	1.1	1.1	1.1	2.6	2.0	5.5	2.3	1.4
4	1.6	1.3	1.3	1.2	1.1	1.1	1.2	2.1	2.0	5.3	2.2	1.4
5	1.5	1.3	1.3	1.3	1.1	1.2	1.2	1.9	2.1	5.1	2.1	1.4
6	1.4	1.3	1.3	1.3	1.1	1.2	1.2	1.9	5.3	5.1	2.0	1.4
7	1.5	1.3	1.3	1.2	1.1	1.2	1.2	1.9	11	4.9	2.0	1.4
8	1.6	1.3	1.3	1.2	1.0	1.2	1.2	1.8	9.0	4.7	2.0	1.4
9	1.6	1.3	1.3	1.2	1.0	1.2	1.3	1.7	9.1	4.6	2.0	1.4
10	1.5	1.3	1.3	1.2	1.0	1.2	1.3	1.8	14	4.6	2.0	1.4
11	1.4	1.3	1.3	1.2	1.0	1.2	1.3	1.7	22	4.4	2.0	1.4
12	1.4	1.3	1.3	1.2	1.0	1.2	1.3	1.8	20	4.2	2.0	1.4
13	1.4	1.3	1.3	1.2	1.0	1.2	1.3	1.8	67	4.1	1.9	1.4
14	1.5	1.2	1.3	1.3	1.0	1.2	1.8	1.7	66	4.0	1.9	1.4
15	1.5	1.2	1.3	1.2	1.0	1.2	3.6	1.6	43	3.7	1.9	1.4
16	1.6	1.2	1.2	1.2	1.0	1.2	5.3	1.6	31	3.5	1.9	1.4
17	1.5	1.2	1.2	1.2	1.0	1.2	7.7	1.7	25	3.6	1.9	1.5
18	1.5	1.2	1.2	1.2	1.0	1.2	11	1.6	19	3.4	2.0	1.5
19	1.4	1.2	1.2	1.2	1.0	1.2	8.3	1.6	16	3.3	1.9	1.5
20	1.4	1.2	1.2	1.2	1.1	1.2	6.7	1.5	13	3.1	1.8	1.6
21	1.4	1.2	1.2	1.1	1.1	1.2	5.9	1.6	12	3.1	1.8	1.6
22	1.4	1.3	1.2	1.1	1.1	1.2	5.3	1.6	11	3.0	1.7	1.7
23	1.4	1.3	1.3	1.1	1.1	1.2	5.4	1.8	9.8	2.9	1.6	1.8
24	1.4	1.3	1.3	1.1	1.1	1.1	5.7	1.7	9.0	2.8	1.7	1.8
25	1.4	1.3	1.3	1.1	1.1	1.1	5.3	1.8	8.2	2.8	1.6	1.8
26	1.4	1.3	1.4	1.1	1.1	1.1	4.8	1.7	7.7	2.8	1.6	1.8
27	1.4	1.3	1.3	1.1	1.1	1.2	4.6	1.9	7.5	2.7	1.6	1.9
28	1.4	1.3	1.3	1.1	1.1	1.2	4.2	1.9	7.6	2.6	1.5	1.9
29	1.4	1.3	1.3	1.1	---	1.2	3.9	1.8	7.2	2.6	1.5	1.9
30	1.4	1.3	1.3	1.1	---	1.1	3.5	1.9	6.6	2.5	1.5	1.9
31	1.4	---	1.3	1.1	---	1.1	---	1.9	---	2.4	1.5	---
TOTAL	45.4	38.5	39.7	36.7	29.60	36.3	108.8	58.3	467.0	119.2	58.0	46.8
MEAN	1.46	1.28	1.28	1.18	1.06	1.17	3.63	1.88	15.6	3.85	1.87	1.56
MAX	1.6	1.4	1.4	1.3	1.1	1.2	11	3.3	67	6.1	2.3	1.9
MIN	1.4	1.2	1.2	1.1	1.0	1.1	1.1	1.5	1.9	2.4	1.5	1.4
AC-FT	90	76	79	73	59	72	216	116	926	236	115	93

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2005, BY WATER YEAR (WY)

MEAN	2.28	2.10	1.95	1.84	1.74	2.23	4.39	11.4	8.49	5.19	2.83	2.49
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)

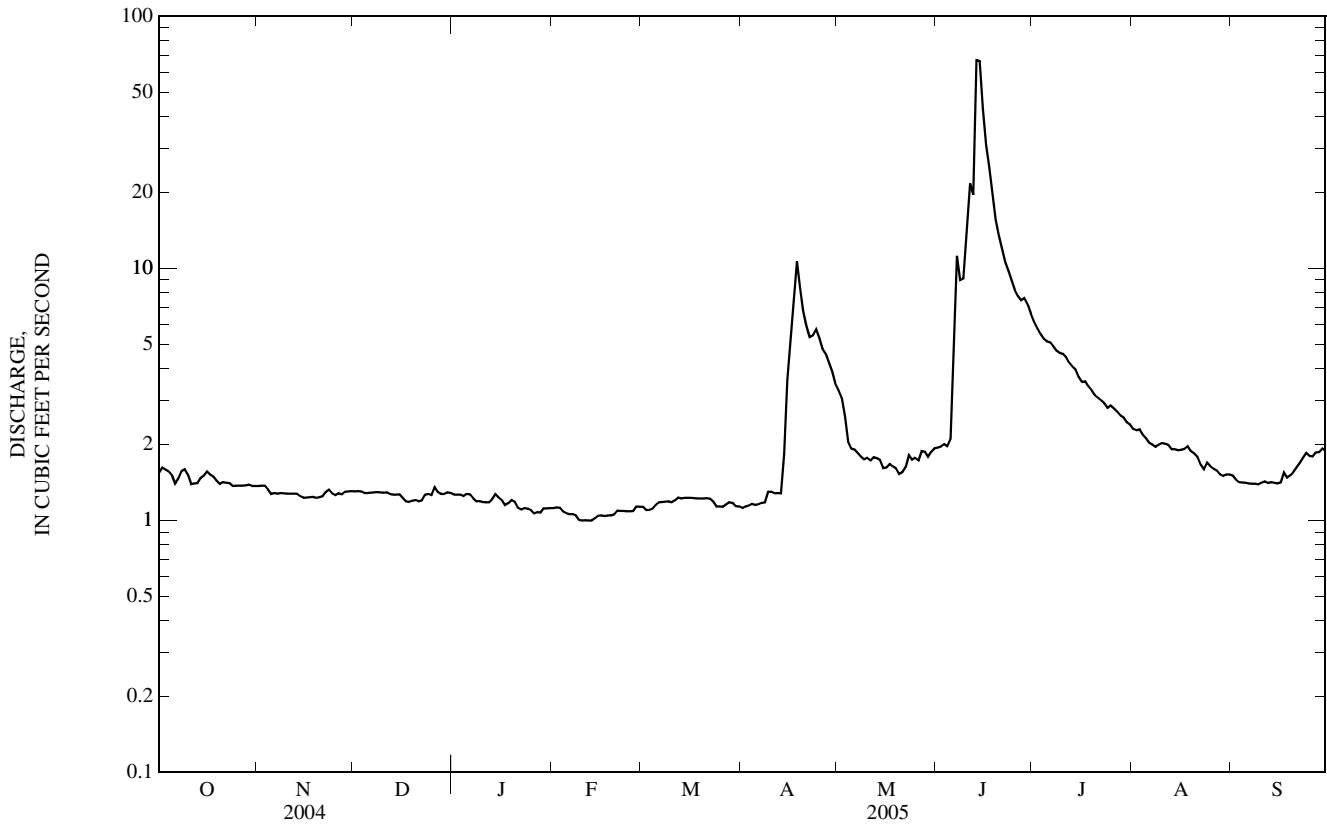
06154410 LITTLE PEOPLES CREEK NEAR HAYS, MT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1972 - 2005	
ANNUAL TOTAL	969.50		1,084.30			
ANNUAL MEAN	2.65		2.97		3.92*	
HIGHEST ANNUAL MEAN					11.6	1974
LOWEST ANNUAL MEAN					1.46	2001
HIGHEST DAILY MEAN	31	Jun 12	67	Jun 13	500	May 25, 1974
LOWEST DAILY MEAN	1.0	Jan 1	1.0	Feb 8	0.67	May 21, 1997
ANNUAL SEVEN-DAY MINIMUM	1.0	Jan 1	1.0	Feb 8	0.76	May 18, 1997
MAXIMUM PEAK FLOW			112	Jun 13	a576	May 25, 1974
MAXIMUM PEAK STAGE			1.93	Jun 13	b4.57	May 25, 1974
INSTANTANEOUS LOW FLOW					0.67	May 21, 1997
ANNUAL RUNOFF (AC-FT)	1,920		2,150		2,840	
10 PERCENT EXCEEDS	4.8		5.3		6.5	
50 PERCENT EXCEEDS	1.4		1.4		2.1	
90 PERCENT EXCEEDS	1.0		1.1		1.3	

*--Median of yearly mean discharge, 3.02 ft³/s.

a--From rating curve extended above 44 ft³/s, on basis of slope-area measurement of flow.

b--From floodmark, at site and datum then in use.



06154550 PEOPLES CREEK BELOW KUHR COULEE, NEAR DODSON, MT

LOCATION.--Lat 48°21'49", long 108°21'16" (NAD 27), in NW¹/₄NW¹/₄NE¹/₄ 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 mi².

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 except those for estimated daily discharges, which are poor. Diversions for irrigation of about 3,300 acres upstream from station. U.S. Geological Survey satellite telemeter at station. Several unpublished observations of water temperature and specific conductance were made during the year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.47	4.8	2.9	e0.80	e0.20	e0.70	20	6.9	2.1	50	0.00	0.00
2	0.68	5.0	2.9	e0.80	e0.20	e0.80	21	6.5	2.6	41	0.00	0.00
3	0.89	5.1	3.4	e0.85	e0.20	e1.0	20	6.8	3.4	37	0.00	0.00
4	1.2	4.9	3.9	e0.75	e0.20	e3.0	18	7.0	3.3	34	0.00	0.00
5	1.3	5.0	4.0	e0.65	e0.20	e4.0	18	6.3	3.4	32	0.00	0.00
6	1.5	4.9	3.4	e0.55	e0.10	e10	14	5.9	5.5	31	0.00	0.00
7	1.5	4.8	3.0	e0.50	e0.10	17	12	6.7	11	28	0.00	0.00
8	1.6	4.8	3.1	e0.30	e0.10	23	11	6.2	18	26	0.00	0.00
9	1.9	4.7	3.0	e0.30	e0.20	18	24	5.3	16	24	0.00	0.00
10	2.1	4.5	2.8	e0.30	e0.20	16	99	3.8	27	21	0.00	0.00
11	2.1	4.5	e3.0	e0.25	e0.30	13	49	2.7	28	21	0.00	0.00
12	2.3	4.3	2.6	e0.20	e0.30	12	37	2.9	26	17	0.00	0.00
13	2.1	4.1	2.5	e0.05	e0.20	11	36	3.4	28	15	0.00	0.00
14	2.7	3.8	2.7	e0.00	e0.10	10	33	3.9	47	14	0.00	0.00
15	2.7	4.2	3.1	e0.00	e0.10	8.3	28	3.2	41	12	0.00	0.00
16	3.0	4.7	2.8	e0.00	e0.10	9.3	25	3.0	60	9.4	0.00	0.00
17	3.1	5.0	3.1	e0.00	e0.10	9.9	26	5.5	72	7.0	0.00	0.00
18	3.4	4.8	2.8	e0.00	e0.10	7.9	25	7.6	64	6.5	0.00	0.00
19	3.6	4.7	2.8	e0.00	e0.10	11	24	7.5	56	5.1	0.00	0.00
20	3.9	4.0	e1.5	e0.00	e0.10	9.6	21	6.4	49	3.9	0.00	0.00
21	4.4	3.5	e1.5	e0.00	e0.10	12	19	5.8	45	1.9	0.00	0.00
22	4.6	4.1	e1.0	e0.00	e0.10	10	17	3.9	41	1.3	0.00	0.00
23	4.9	3.1	e1.0	e0.20	e0.20	12	15	3.9	39	0.76	0.00	0.00
24	4.8	3.4	e1.0	e0.20	e0.60	9.5	13	3.9	33	0.33	0.00	0.00
25	4.6	4.4	e1.0	e0.20	e0.60	9.4	10	3.7	34	0.31	0.00	0.00
26	4.6	4.7	e1.0	e0.10	e0.60	11	7.4	3.6	34	0.23	0.00	0.00
27	4.6	3.2	e1.0	e0.10	e0.50	12	6.9	3.1	34	0.10	0.00	0.00
28	4.7	3.4	e0.95	e0.10	e0.60	20	7.5	2.5	66	0.02	0.00	0.00
29	4.7	3.1	e1.0	e0.10	---	18	7.3	2.1	199	0.00	0.00	0.00
30	4.7	3.1	e0.55	e0.10	---	18	7.1	1.8	77	0.00	0.00	0.00
31	4.8	---	e0.85	e0.20	---	19	---	2.1	---	0.00	0.00	---
TOTAL	93.44	128.6	70.15	7.60	6.50	346.40	671.2	143.9	1,165.3	439.85	0.00	0.00
MEAN	3.01	4.29	2.26	0.25	0.23	11.2	22.4	4.64	38.8	14.2	0.00	0.00
MAX	4.9	5.1	4.0	0.85	0.60	23	99	7.6	199	50	0.00	0.00
MIN	0.47	3.1	0.55	0.00	0.10	0.70	6.9	1.8	2.1	0.00	0.00	0.00
AC-FT	185	255	139	15	13	687	1,330	285	2,310	872	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2005, BY WATER YEAR (WY)*

MEAN	8.07	5.53	4.33	4.97	28.7	77.8	52.3	52.2	41.2	21.8	3.19	12.2
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

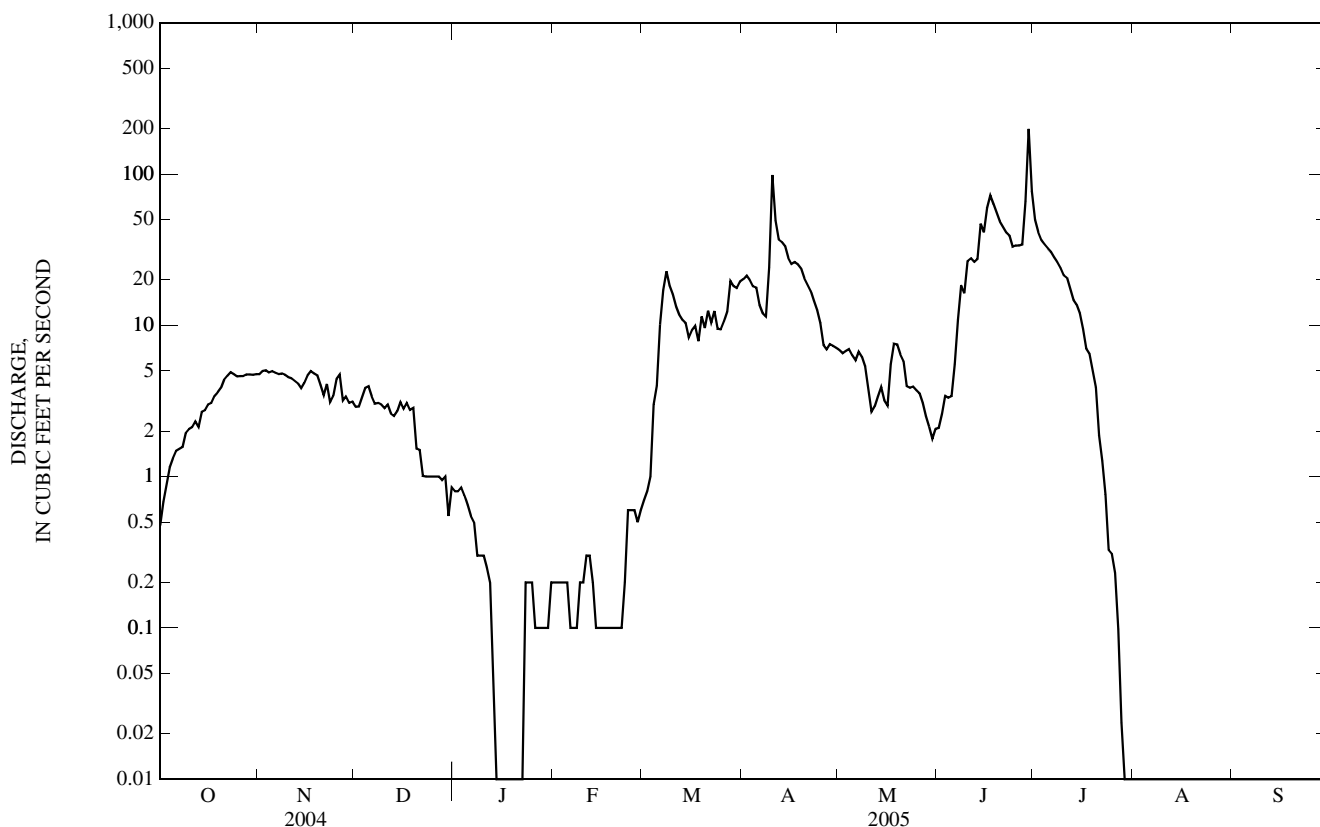
SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1918 - 2005*	
ANNUAL TOTAL	7,212.63		3,072.94			
ANNUAL MEAN	19.7		8.42		26.3	
HIGHEST ANNUAL MEAN					131	1986
LOWEST ANNUAL MEAN					1.01	2001
HIGHEST DAILY MEAN	930	Mar 10	199	Jun 29	5,070	Sep 25, 1986
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Jan 14	0.00	Jun 11, 1918
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Jan 14	0.00	Jun 11, 1918
MAXIMUM PEAK FLOW			451	Jun 29	a7,590	Sep 25, 1986
MAXIMUM PEAK STAGE			8.45	Jun 29	b17.05	Mar 29, 1952
INSTANTANEOUS LOW FLOW					0.00	many days
ANNUAL RUNOFF (AC-FT)	14,310		6,100		19,090	
10 PERCENT EXCEEDS	46		25		44	
50 PERCENT EXCEEDS	2.6		3.0		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--Gage height, 15.91 ft. from floodmark, at different site and datum.

b--Backwater from ice, from floodmark in gage house, at different site and datum.

c--Estimated.



MILK RIVER BASIN

06155030 MILK RIVER NEAR DODSON, MT

LOCATION.--Lat 48°24'11", long 108°17'35" (NAD27), in NE¹/₄ SE¹/₄ NW¹/₄ 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 mi².

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. Bureau of Reclamation satellite telemeter at station. Several unpublished observations of water temperature and specific conductance were made during the year.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2005
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			e0.10	0.24	0.11	0.75	1.5	2.1	0.80	0.83		
2			e0.10	0.31	0.04	0.90	1.4	0.78	1.7	0.84		
3			e0.10	0.22	0.10	0.32	1.2	0.25	1.6	0.90		
4			e0.10	0.29	0.62	0.12	1.3	0.62	1.2	1.0		
5			e0.10	0.25	0.85	0.14	1.4	1.3	1.3	1.4		
6			e0.10	0.44	26	0.35	1.5	0.55	0.89	1.3		
7			e0.10	0.24	0.53	0.45	1.4	1.0	0.88	0.99		
8			e0.10	0.19	0.22	2.5	1.3	0.43	0.53	0.87		
9			e0.10	0.49	0.29	56	1.2	0.65	0.43	0.88		
10			0.24	0.20	0.19	26	1.0	0.96	0.80	0.88		
11			0.16	0.19	0.55	7.2	1.4	1.5	0.77	0.88		
12			0.16	0.36	0.57	26	0.98	1.7	0.62	0.89		
13			0.17	0.54	0.28	31	1.1	2.0	0.62	0.91		
14			0.32	0.34	0.21	2.9	0.85	1.0	0.65	0.99		
15			0.15	0.19	0.91	1.0	0.89	2.8	0.71	1.2		
16			0.20	0.12	1.2	1.6	1.4	2.2	0.67	1.3		
17			0.20	0.29	36	1.8	1.6	2.4	0.76	1.3		
18			0.13	0.12	19	1.5	1.3	1.7	0.69	1.4		
19			0.20	0.30	5.5	1.1	1.1	1.1	0.56	1.5		
20			0.17	0.15	1.1	1.7	1.3	0.78	0.49	1.7		
21			0.10	0.13	0.74	1.5	1.7	0.99	0.52	1.7		
22			0.07	0.14	0.16	2.0	1.6	0.87	0.52	1.7		
23			0.08	0.15	0.15	2.7	0.99	0.94	0.57	1.7		
24			0.07	0.08	0.09	1.9	1.0	0.92	0.56	1.7		
25			0.04	0.06	0.20	1.3	0.73	0.78	0.56	1.7		
26			0.04	0.04	0.08	1.3	0.10	0.47	0.50	1.7		
27			0.05	0.04	0.08	1.4	0.10	0.61	0.48	1.6		
28			0.08	0.05	0.07	1.6	0.11	1.0	0.57	79		
29			0.21	0.09	0.08	1.2	0.26	1.9	0.59	135		
30			0.22	0.06	0.09	1.4	0.45	1.4	0.59	131		
31			0.26	---	0.19	---	0.60	0.68	---	142		
TOTAL			4.22	6.31	96.20	179.63	32.76	36.38	22.13	520.76		
MEAN			0.14	0.21	3.10	5.99	1.06	1.17	0.74	16.8		
MAX			0.32	0.54	36	56	1.7	2.8	1.7	142		
MIN			0.04	0.04	0.04	0.12	0.10	0.25	0.43	0.83		
AC-FT			8.4	13	191	356	65	72	44	1,030		

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1993 AND SEASONS 1994 - 2005*

MEAN	83.2	129	595	285	98.1	248	119	39.4	12.2	93.7	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)

06155030 MILK RIVER NEAR DODSON, MT—Continued

SUMMARY STATISTICS	FOR 2005 SEASON		SEASONS 1994 - 2005*		WATER YEARS 1982 - 1993	
ANNUAL MEAN					181	
HIGHEST ANNUAL MEAN					590	1996
LOWEST ANNUAL MEAN					36.6	1985
HIGHEST DAILY MEAN	142	Oct 31	5,000	Mar 20 1996	11,500	Sep 26, 1986
LOWEST DAILY MEAN	0.04	Mar 25	0.00	Aug 15 2003	d0.00	Sep 16, 1983
ANNUAL SEVEN-DAY MINIMUM					0.00	Sep 16, 1983
MAXIMUM PEAK FLOW	a152	Oct 31	c5,200	Mar 17 1994	13,200	Sep 26, 1986
MAXIMUM PEAK STAGE	b5.60	Mar 2	b24.51	Mar 14 1996	29.79	Sep 26, 1986
INSTANTANEOUS LOW FLOW					0.00	Oct 6, 1990
ANNUAL RUNOFF (AC-FT)					131,300	
10 PERCENT EXCEEDS					386	
50 PERCENT EXCEEDS					47	
90 PERCENT EXCEEDS					5.2	

*--Seasonal records beginning water year 1994.

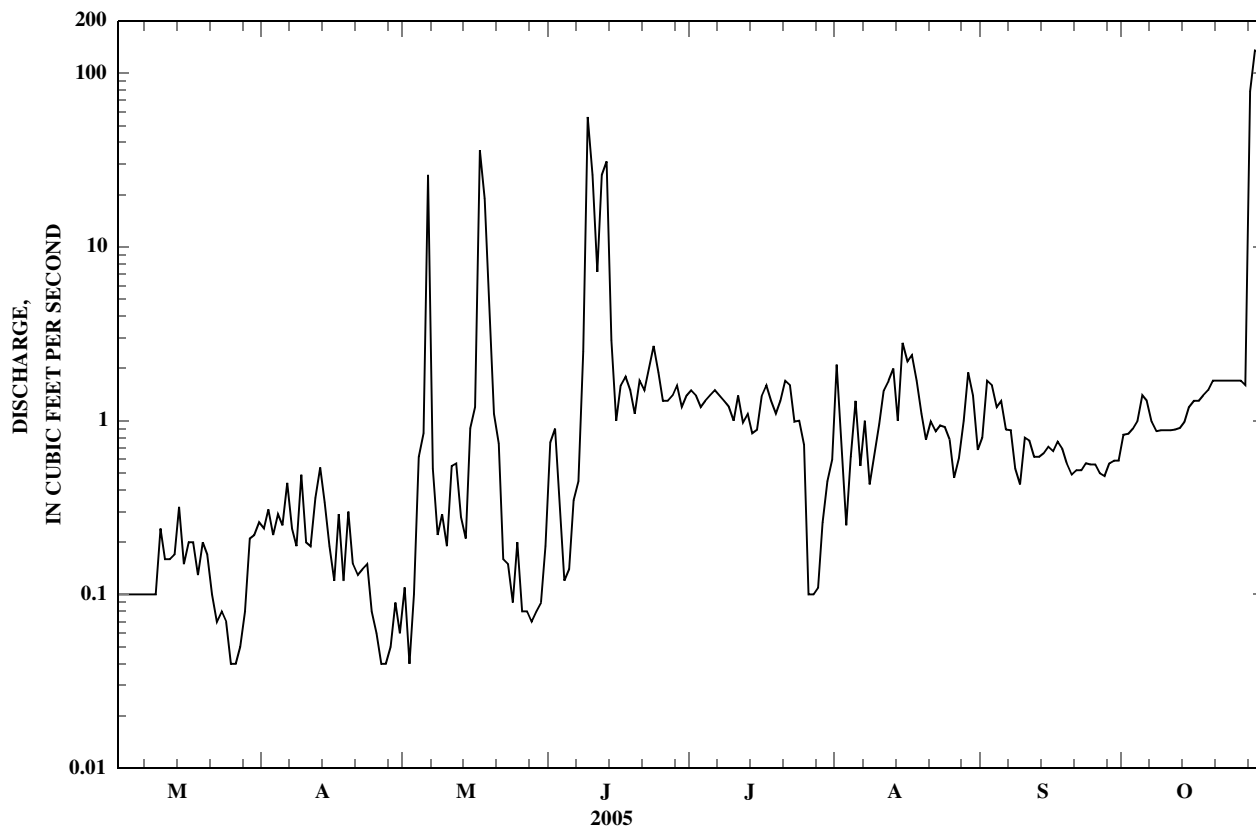
a--Gage height, 4.76 ft.

b--Backwater from ice.

c--Gage height, 22.71 ft.

d--No flow at times most years.

e--Estimated.



MILK RIVER BASIN

06155900 MILK RIVER AT CREE CROSSING, NEAR SACO, MT

LOCATION.--Lat 48°32'25", long 107°31'10" (NAD 27), in NW¹/₄SE¹/₄SE¹/₄ 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 mi².

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 unpublished observations of water temperature and specific conductance were made during the year.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2005
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			e110	35	20	98	74	106	106	38		
2			e110	37	20	104	67	105	98	35		
3			e120	32	21	114	59	136	101	34		
4			e110	30	21	124	47	158	95	34		
5			e130	29	20	111	41	142	79	33		
6			e140	27	21	109	37	141	70	33		
7			e110	26	22	175	35	131	71	34		
8			e130	26	22	242	31	146	79	32		
9			e140	27	19	470	29	149	82	31		
10			161	32	22	492	27	176	97	31		
11			90	40	36	456	27	226	265	31		
12			64	137	37	415	26	206	246	30		
13			50	116	33	305	29	154	164	30		
14			43	82	62	208	29	158	142	29		
15			38	91	65	205	52	151	151	28		
16			35	75	55	211	56	120	154	28		
17			36	65	71	187	49	110	145	28		
18			39	58	77	336	48	118	129	27		
19			37	57	60	234	48	134	99	27		
20			35	54	56	173	41	135	71	28		
21			35	51	86	147	44	115	58	28		
22			34	42	67	152	62	100	54	29		
23			35	38	60	146	75	94	48	29		
24			33	33	78	127	80	95	41	30		
25			34	29	90	86	90	97	40	30		
26			33	26	89	80	107	98	40	31		
27			32	25	104	80	96	119	49	32		
28			33	22	103	86	90	126	48	34		
29			32	20	94	169	90	122	45	36		
30			32	20	88	90	85	117	40	35		
31			33	---	87	---	87	113	---	62		
TOTAL			2,094	1,382	1,706	5,932	1,758	4,098	2,907	997		
MEAN			67.5	46.1	55.0	198	56.7	132	96.9	32.2		
MAX			161	137	104	492	107	226	265	62		
MIN			32	20	19	80	26	94	40	27		
AC-FT			4,150	2,740	3,380	11,770	3,490	8,130	5,770	1,980		

STATISTICS OF MONTHLY MEAN DATA FOR SEASONS 2000 - 2005

MEAN	404	57.9	104	201	124	116	63.9	32.1
MAX	1,196	125	271	517	244	225	108	50.4
(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

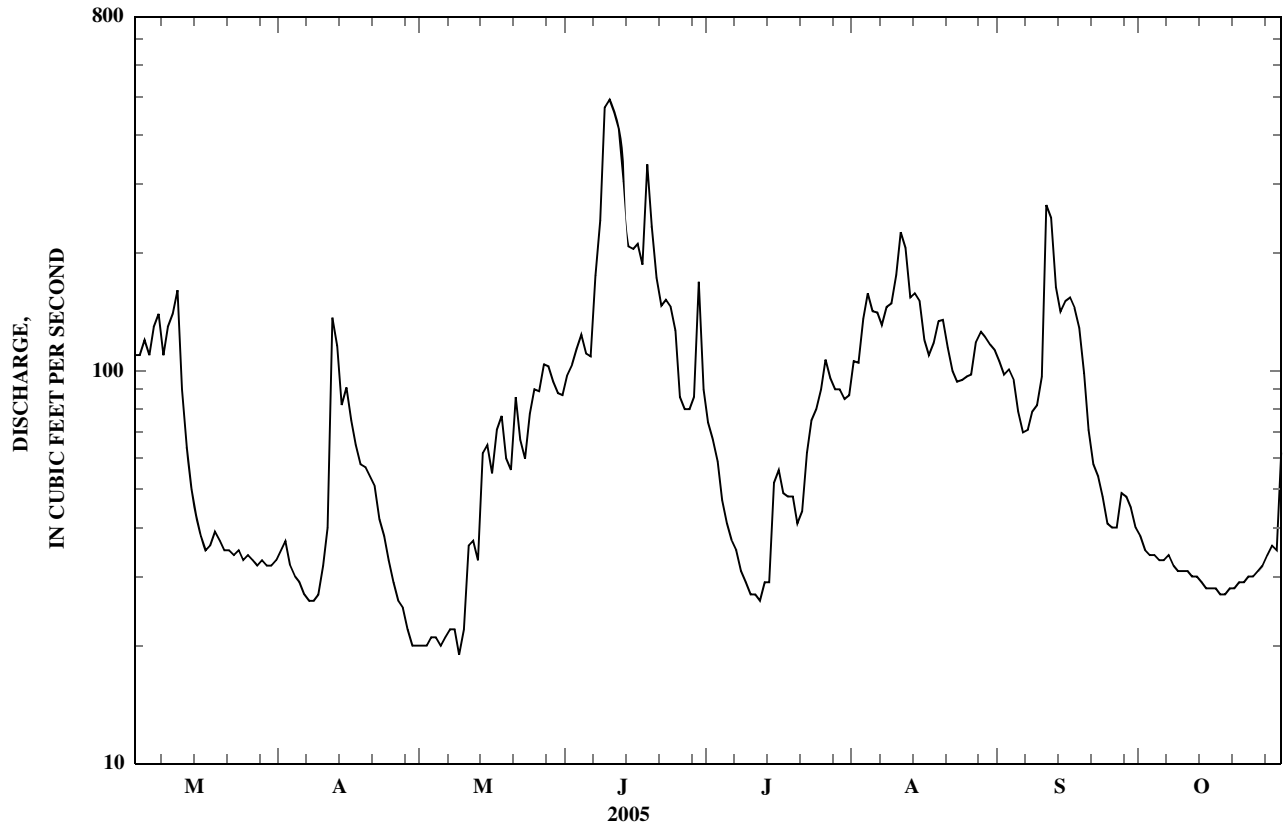
	FOR 2005 SEASON		SEASONS 2000 - 2005	
HIGHEST DAILY MEAN	492	Jun 10	3,800	Mar 15 2004
LOWEST DAILY MEAN	19	May 9	2.6	May 28 2001
MAXIMUM PEAK FLOW	564	Jun 10	a2,600	Mar 21 2003
MAXIMUM PEAK STAGE	4.23	Jun 10	b15.19	Mar 14 2004
INSTANTANEOUS LOW FLOW	19	Apr 30	2.6	May 28 2001

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

b--Backwater from ice.

e--Estimated.

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 NW¹/₄ 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 SW¹/₄ 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.

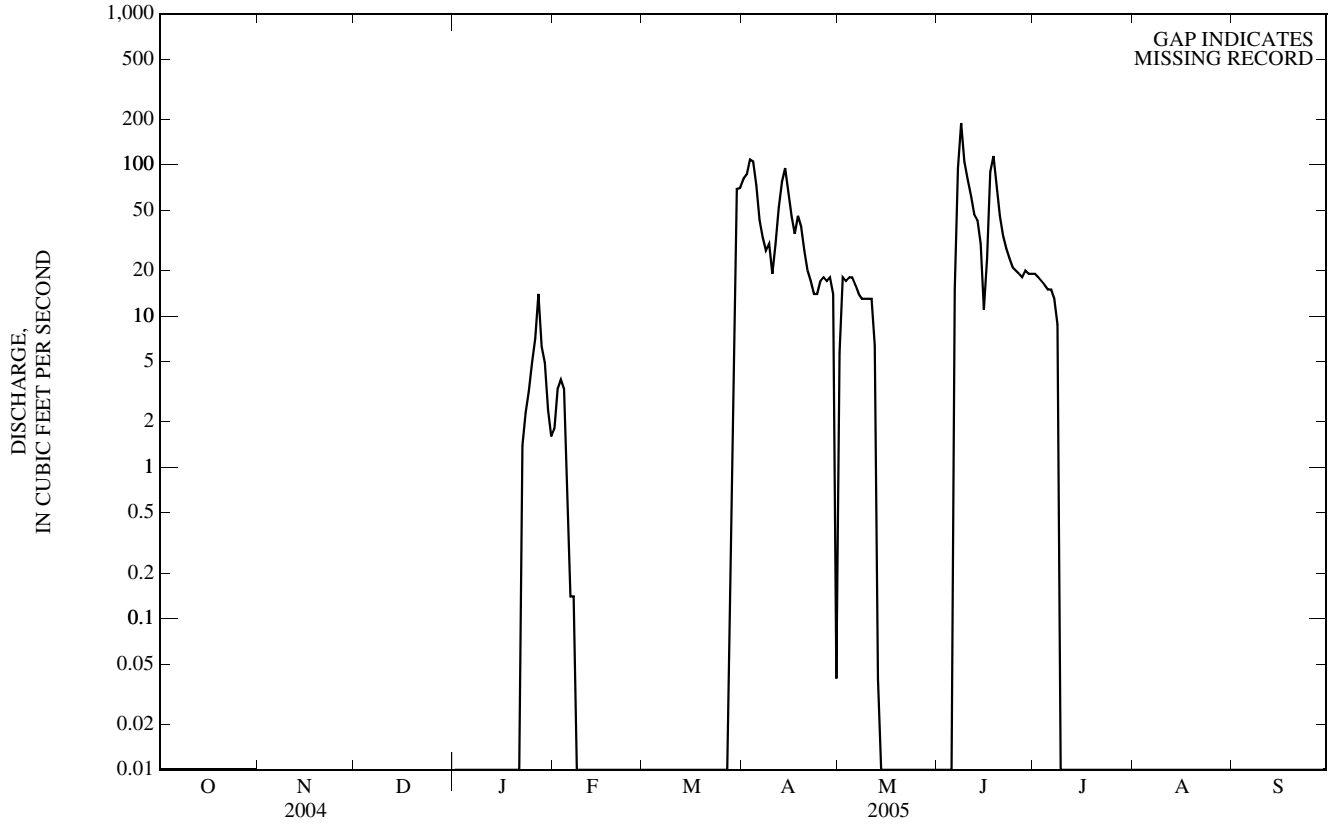
EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 696 ft³/s, June 28, 1998; no flow at times each season.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2005
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	e0.00	e1.8	e0.00	e81	5.7	0.00	19	0.00	0.00	0.00		
2	e0.00	e3.3	e0.00	e86	18	0.00	18	0.00	0.00	0.00		
3	e0.00	e3.8	e0.00	e108	17	0.00	17	0.00	0.00	0.00		
4	e0.00	e3.3	e0.00	105	18	0.00	16	0.00	0.00	0.00		
5	e0.00	e0.95	e0.00	73	18	0.00	15	0.00	0.00	0.00		
6	e0.00	e0.14	e0.00	43	16	15	15	0.00	0.00	0.00		
7	e0.00	e0.14	e0.00	33	14	95	13	0.00	0.00	0.00		
8	e0.00	e0.00	e0.00	27	13	189	8.8	0.00	0.00	0.00		
9	e0.00	e0.00	e0.00	30	13	105	0.00	0.00	0.00	0.00		
10	e0.00	e0.00	e0.00	19	13	81	0.00	0.00	0.00	0.00		
11	e0.00	e0.00	e0.00	30	13	62	0.00	0.00	0.00	0.00		
12	e0.00	e0.00	e0.00	52	6.4	47	0.00	0.00	0.00	0.00		
13	e0.00	e0.00	e0.00	77	0.04	43	0.00	0.00	0.00	0.00		
14	e0.00	e0.00	e0.00	95	0.00	30	0.00	0.00	0.00	0.00		
15	e0.00	e0.00	e0.00	66	0.00	11	0.00	0.00	0.00	0.00		
16	e0.00	e0.00	e0.00	46	0.00	24	0.00	0.00	0.00	0.00		
17	e0.00	e0.00	e0.00	35	0.00	90	0.00	0.00	0.00	0.00		
18	e0.00	e0.00	e0.00	46	0.00	114	0.00	0.00	0.00	0.00		
19	e0.00	e0.00	e0.00	39	0.00	73	0.00	0.00	0.00	0.00		
20	e0.00	e0.00	e0.00	27	0.00	46	0.00	0.00	0.00	0.00		
21	e0.00	e0.00	e0.00	20	0.00	34	0.00	0.00	0.00	0.00		
22	e1.4	e0.00	e0.00	17	0.00	28	0.00	0.00	0.00	0.00		
23	e2.3	e0.00	e0.00	14	0.00	24	0.00	0.00	0.00	0.00		
24	e3.2	e0.00	e0.00	14	0.00	21	0.00	0.00	0.00	0.00		
25	e4.9	e0.00	e0.00	17	0.00	20	0.00	0.00	0.00	0.00		
26	e7.1	e0.00	e0.00	18	0.00	19	0.00	0.00	0.00	0.00		
27	e14	e0.00	e0.00	17	0.00	18	0.00	0.00	0.00	0.00		
28	e6.3	e0.00	e0.07	18	0.00	20	0.00	0.00	0.00	0.00		
29	e4.9	---	e9.4	14	0.00	19	0.00	0.00	0.00	0.00		
30	e2.4	---	e69	0.04	0.00	19	0.00	0.00	0.00	0.00		
31	e1.6	---	e70	---	0.00	---	0.00	0.00	---	0.00		
TOTAL	48.10	13.43	148.47	1,267.04	165.14	1,247.00	121.80	0.00	0.00	0.00		
MEAN	1.55	0.48	4.79	42.2	5.33	41.6	3.93	0.00	0.00	0.00		
MAX	14	3.8	70	108	18	189	19	0.00	0.00	0.00		
MIN	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00		
AC-FT	95	27	294	2,510	328	2,470	242	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 SE¹/₄ 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.

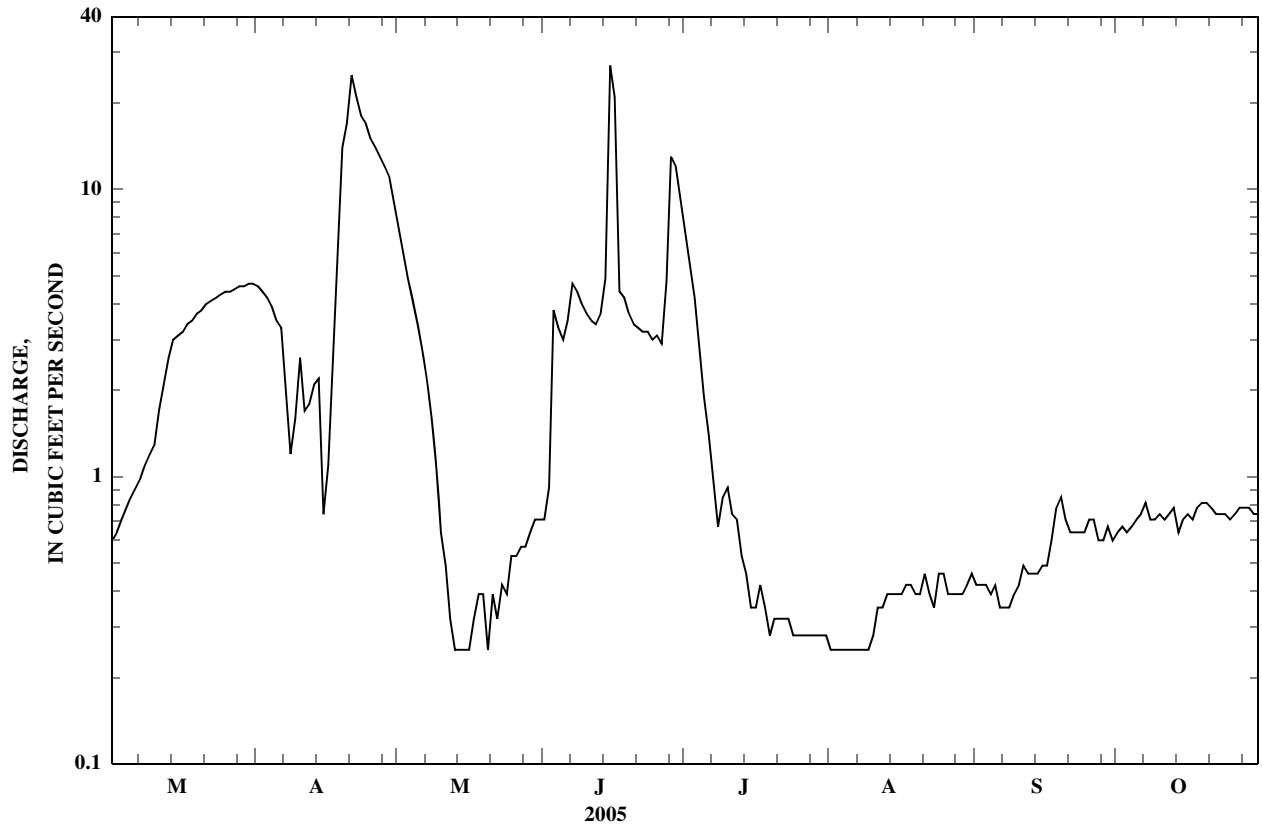
EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 202 ft³/s, Apr. 19, 1952; no flow at times most seasons.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2005
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			e0.60	e4.6	7.2	0.71	7.3	0.25	0.42	0.64		
2			e0.64	e4.4	5.9	0.92	5.6	0.25	0.42	0.67		
3			e0.71	e4.2	4.9	3.8	4.2	0.25	0.42	0.64		
4			e0.78	e3.9	4.1	3.3	2.9	0.25	0.39	0.67		
5			e0.85	e3.5	3.4	3.0	1.9	0.25	0.42	0.71		
6			e0.92	e3.3	2.8	3.5	1.4	0.25	0.35	0.74		
7			e0.99	2.0	2.2	4.7	0.99	0.25	0.35	0.81		
8			e1.1	1.2	1.6	4.4	0.67	0.25	0.35	0.71		
9			e1.2	1.6	1.1	4.0	0.85	0.25	0.39	0.71		
10			e1.3	2.6	0.64	3.7	0.92	0.28	0.42	0.74		
11			e1.7	1.7	0.49	3.5	0.74	0.35	0.49	0.71		
12			e2.1	1.8	0.32	3.4	0.71	0.35	0.46	0.74		
13			e2.6	2.1	0.25	3.7	0.53	0.39	0.46	0.78		
14			e3.0	2.2	0.25	4.9	0.46	0.39	0.46	0.64		
15			e3.1	0.74	0.25	27	0.35	0.39	0.49	0.71		
16			e3.2	1.1	0.25	21	0.35	0.39	0.49	0.74		
17			e3.4	2.4	0.32	4.4	0.42	0.42	0.60	0.71		
18			e3.5	5.2	0.39	4.2	0.35	0.42	0.78	0.78		
19			e3.7	14	0.39	3.7	0.28	0.39	0.85	0.81		
20			e3.8	17	0.25	3.4	0.32	0.39	0.71	0.81		
21			e4.0	25	0.39	3.3	0.32	0.46	0.64	0.78		
22			e4.1	21	0.32	3.2	0.32	0.39	0.64	0.74		
23			e4.2	18	0.42	3.2	0.32	0.35	0.64	0.74		
24			e4.3	17	0.39	3.0	0.28	0.46	0.64	0.74		
25			e4.4	15	0.53	3.1	0.28	0.46	0.71	0.71		
26			e4.4	14	0.53	2.9	0.28	0.39	0.71	0.74		
27			e4.5	13	0.57	4.8	0.28	0.39	0.60	0.78		
28			e4.6	12	0.57	13	0.28	0.39	0.60	0.78		
29			e4.6	11	0.64	12	0.28	0.39	0.67	0.78		
30			e4.7	8.9	0.71	9.4	0.28	0.42	0.60	0.74		
31			e4.7	---	0.71	---	0.28	0.46	---	0.74		
TOTAL			87.69	234.44	42.78	169.13	34.44	10.97	16.17	22.74		
MEAN			2.83	7.81	1.38	5.64	1.11	0.35	0.54	0.73		
MAX			4.7	25	7.2	27	7.3	0.46	0.85	0.81		
MIN			0.60	0.74	0.25	0.71	0.28	0.25	0.35	0.64		
AC-FT			174	465	85	335	68	22	32	45		

e--Estimated.

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



MILK RIVER BASIN

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

LOCATION.--Lat 49°30'21", long 108°50'54" (NAD 27), in NW¹/₄ 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 NW¹/₄ 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.

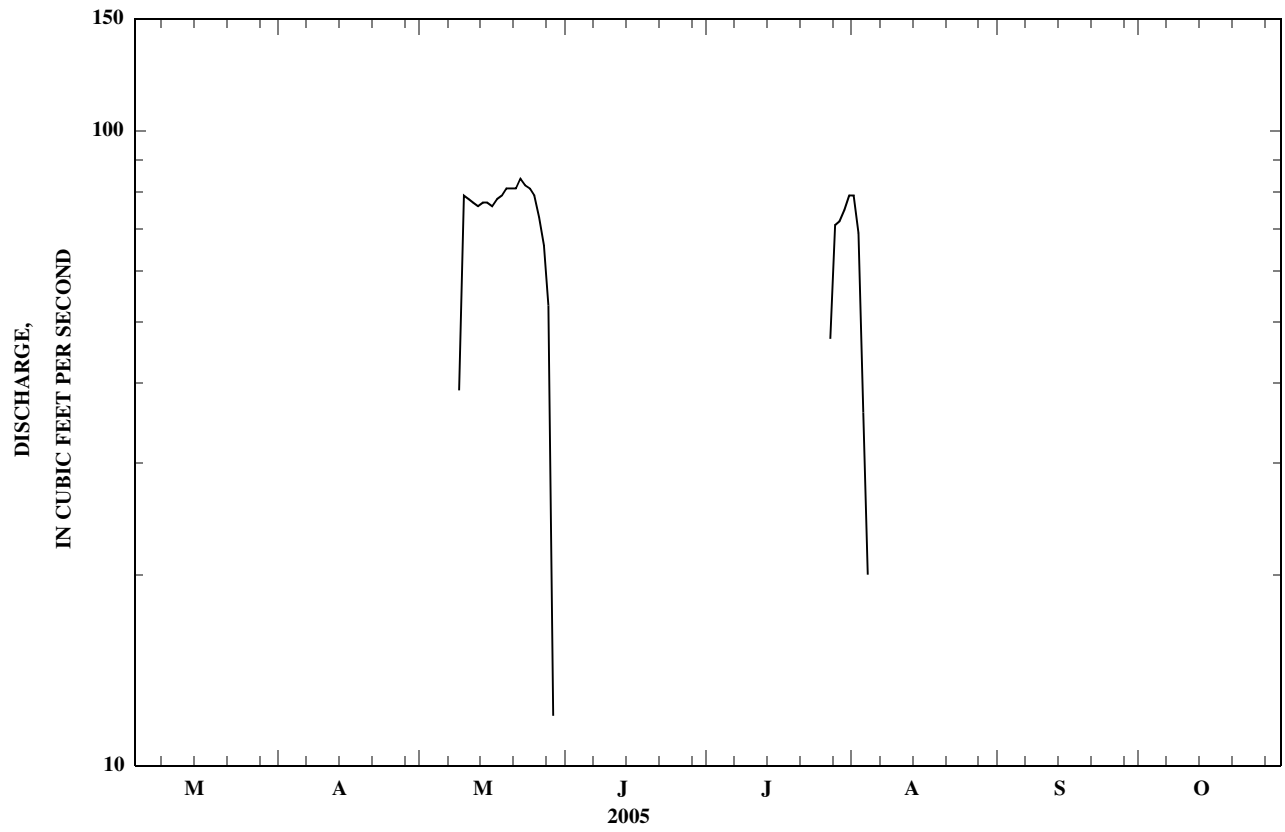
COOPERATION.--This is one of a number of stations which are maintained jointly by Canada and the United States.

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 2005
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	79	0.00	0.00		
2		0.00	0.00	0.00	0.00	0.00	0.00	69	0.00	0.00		
3		0.00	0.00	0.00	0.00	0.00	0.00	36	0.00	0.00		
4		0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00		
5		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6		0.00	0.00	0.00	0.00	0.00	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	39	0.00	0.00	0.00	0.00	0.00		
10		0.00	0.00	0.00	79	0.00	0.00	0.00	0.00	0.00		
11		0.00	0.00	0.00	78	0.00	0.00	0.00	0.00	0.00		
12		0.00	0.00	0.00	77	0.00	0.00	0.00	0.00	0.00		
13		0.00	0.00	0.00	76	0.00	0.00	0.00	0.00	0.00		
14		0.00	0.00	0.00	77	0.00	0.00	0.00	0.00	0.00		
15		0.00	0.00	0.00	77	0.00	0.00	0.00	0.00	0.00		
16		0.00	0.00	0.00	76	0.00	0.00	0.00	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	81	0.00	0.00	0.00	0.00	0.00		
20		0.00	0.00	0.00	81	0.00	0.00	0.00	0.00	0.00		
21		0.00	0.00	0.00	81	0.00	0.00	0.00	0.00	0.00		
22		0.00	0.00	0.00	84	0.00	0.00	0.00	0.00	0.00		
23		0.00	0.00	0.00	82	0.00	0.00	0.00	0.00	0.00		
24		0.00	0.00	0.00	81	0.00	0.00	0.00	0.00	0.00		
25		0.00	0.00	0.00	79	0.00	0.00	0.00	0.00	0.00		
26		0.00	0.00	0.00	73	0.00	0.00	0.00	0.00	0.00		
27		0.00	0.00	0.00	66	0.00	47	0.00	0.00	0.00		
28		0.00	0.00	0.00	53	0.00	71	0.00	0.00	0.00		
29		---	0.00	0.00	12	0.00	72	0.00	0.00	0.00		
30		---	0.00	0.00	0.00	0.00	75	0.00	0.00	0.00		
31		---	0.00	---	0.00	---	79	0.00	---	0.00		
TOTAL		0.00	0.00	0.00	1,509.00	0.00	344.00	204.00	0.00	0.00		
MEAN		0.00	0.00	0.00	48.7	0.00	11.1	6.58	0.00	0.00		
MAX		0.00	0.00	0.00	84	0.00	79	79	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	2,990	0.00	682	405	0.00	0.00		

06158500 EASTEND CANAL AT EASTEND, SASKATCHEWAN—Continued



MILK RIVER BASIN

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

LOCATION.--Lat 49°22'20", long 107°53'05" (NAD 27), in NW¹/₄ 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 NW¹/₄ 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.

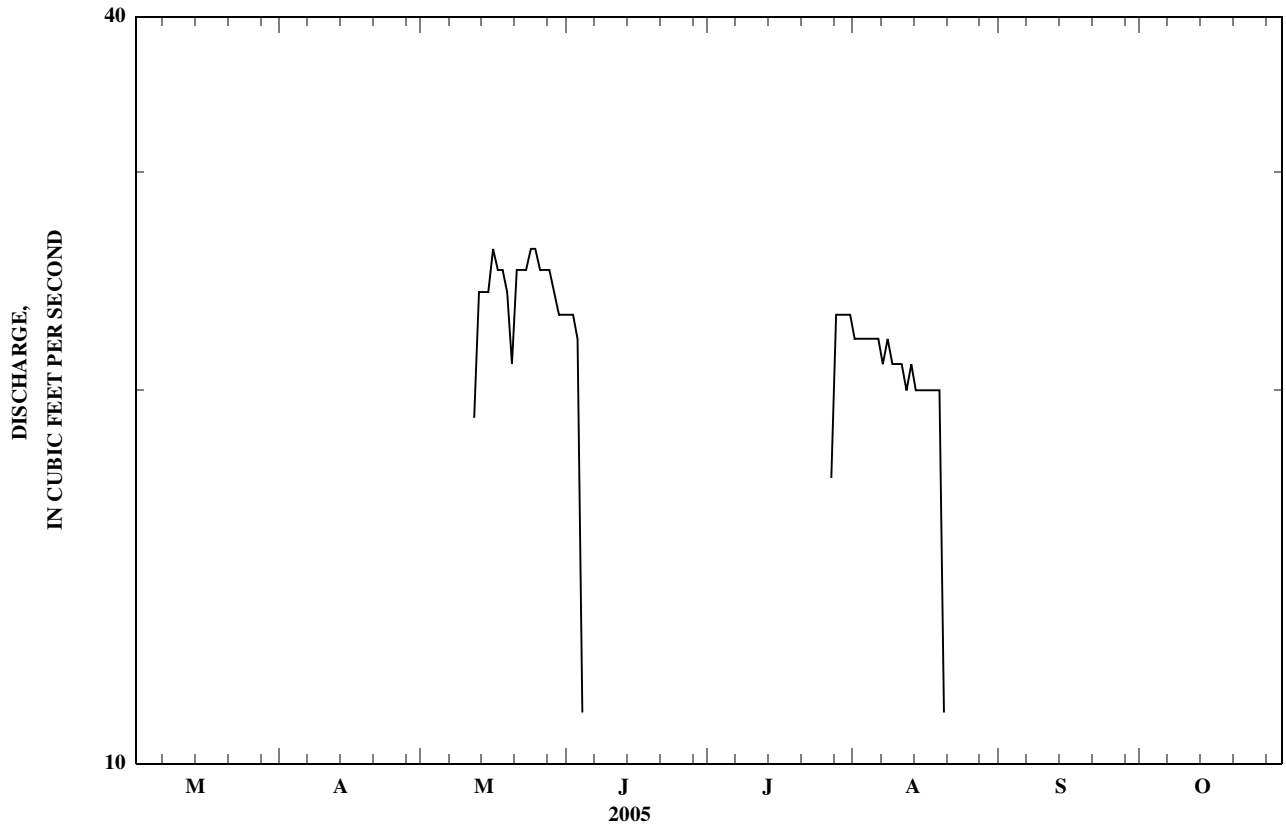
COOPERATION.--This is one of a number of stations which are maintained jointly by Canada and the United States.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 31 ft³/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 2005
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			0.00	0.00	0.00	23	0.00	22	0.00	0.00		
2			0.00	0.00	0.00	23	0.00	22	0.00	0.00		
3			0.00	0.00	0.00	22	0.00	22	0.00	0.00		
4			0.00	0.00	0.00	11	0.00	22	0.00	0.00		
5			0.00	0.00	0.00	0.00	0.00	22	0.00	0.00		
6			0.00	0.00	0.00	0.00	0.00	22	0.00	0.00		
7			0.00	0.00	0.00	0.00	0.00	21	0.00	0.00		
8			0.00	0.00	0.00	0.00	0.00	22	0.00	0.00		
9			0.00	0.00	0.00	0.00	0.00	21	0.00	0.00		
10			0.00	0.00	0.00	0.00	0.00	21	0.00	0.00		
11			0.00	0.00	0.00	0.00	0.00	21	0.00	0.00		
12			0.00	0.00	19	0.00	0.00	20	0.00	0.00		
13			0.00	0.00	24	0.00	0.00	21	0.00	0.00		
14			0.00	0.00	24	0.00	0.00	20	0.00	0.00		
15			0.00	0.00	24	0.00	0.00	20	0.00	0.00		
16			0.00	0.00	26	0.00	0.00	20	0.00	0.00		
17			0.00	0.00	25	0.00	0.00	20	0.00	0.00		
18			0.00	0.00	25	0.00	0.00	20	0.00	0.00		
19			0.00	0.00	24	0.00	0.00	20	0.00	0.00		
20			0.00	0.00	21	0.00	0.00	11	0.00	0.00		
21			0.00	0.00	25	0.00	0.00	0.00	0.00	0.00		
22			0.00	0.00	25	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		
24			0.00	0.00	26	0.00	0.00	0.00	0.00	0.00		
25			0.00	0.00	26	0.00	0.00	0.00	0.00	0.00		
26			0.00	0.00	25	0.00	0.00	0.00	0.00	0.00		
27			0.00	0.00	25	0.00	17	0.00	0.00	0.00		
28			0.00	0.00	25	0.00	23	0.00	0.00	0.00		
29			0.00	0.00	24	0.00	23	0.00	0.00	0.00		
30			0.00	0.00	23	0.00	23	0.00	0.00	0.00		
31			0.00	---	23	---	23	0.00	---	0.00		
TOTAL			0.00	0.00	484.00	79.00	109.00	410.00	0.00	0.00		
MEAN			0.00	0.00	15.6	2.63	3.52	13.2	0.00	0.00		
MAX			0.00	0.00	26	23	23	22	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	0.00	960	157	216	813	0.00	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 SW¹/₄, 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 Marie West 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 SW¹/₄, sec.7, T. 5, R.14 W., third meridian, on left bank for irrigation of about 1,900 acres in the Frenchman River basin in Saskatchewan. Since 1962, records have been based on gate openings in Huff Lake Dam.

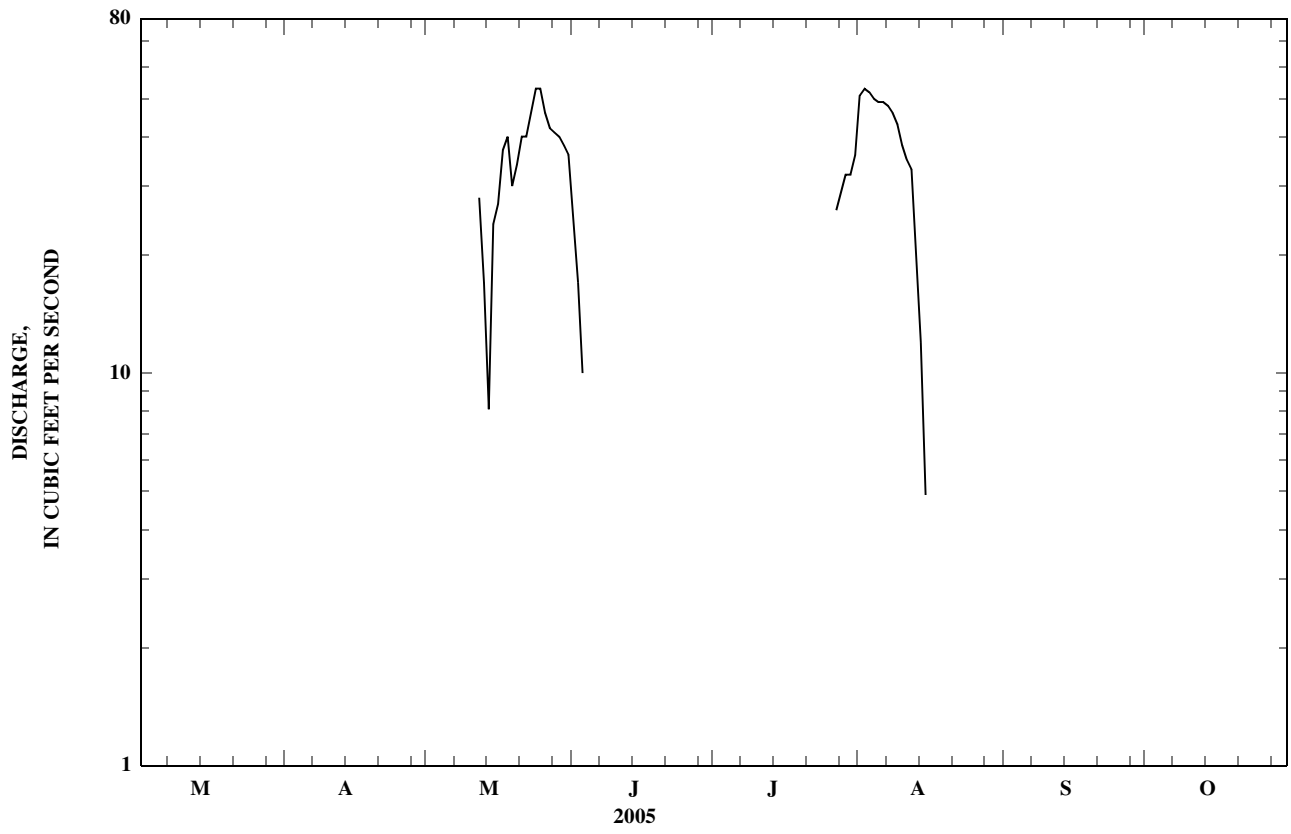
COOPERATION.--This is one of a number of stations which are maintained jointly by Canada and the United States.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 68 ft³/s, July 24, 1996; no flow at times each season.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2005
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	25	0.00	51	0.00	0.00		
2		0.00	0.00	0.00	0.00	17	0.00	53	0.00	0.00		
3		0.00	0.00	0.00	0.00	10	0.00	52	0.00	0.00		
4		0.00	0.00	0.00	0.00	0.00	0.00	50	0.00	0.00		
5		0.00	0.00	0.00	0.00	0.00	0.00	49	0.00	0.00		
6		0.00	0.00	0.00	0.00	0.00	0.00	49	0.00	0.00		
7		0.00	0.00	0.00	0.00	0.00	0.00	48	0.00	0.00		
8		0.00	0.00	0.00	0.00	0.00	0.00	46	0.00	0.00		
9		0.00	0.00	0.00	0.00	0.00	0.00	43	0.00	0.00		
10		0.00	0.00	0.00	0.00	0.00	0.00	38	0.00	0.00		
11		0.00	0.00	0.00	0.00	0.00	0.00	35	0.00	0.00		
12		0.00	0.00	0.00	28	0.00	0.00	33	0.00	0.00		
13		0.00	0.00	0.00	17	0.00	0.00	21	0.00	0.00		
14		0.00	0.00	0.00	8.1	0.00	0.00	12	0.00	0.00		
15		0.00	0.00	0.00	24	0.00	0.00	4.9	0.00	0.00		
16		0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00		
17		0.00	0.00	0.00	37	0.00	0.00	0.00	0.00	0.00		
18		0.00	0.00	0.00	40	0.00	0.00	0.00	0.00	0.00		
19		0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00		
20		0.00	0.00	0.00	34	0.00	0.00	0.00	0.00	0.00		
21		0.00	0.00	0.00	40	0.00	0.00	0.00	0.00	0.00		
22		0.00	0.00	0.00	40	0.00	0.00	0.00	0.00	0.00		
23		0.00	0.00	0.00	46	0.00	0.00	0.00	0.00	0.00		
24		0.00	0.00	0.00	53	0.00	0.00	0.00	0.00	0.00		
25		0.00	0.00	0.00	53	0.00	0.00	0.00	0.00	0.00		
26		0.00	0.00	0.00	46	0.00	0.00	0.00	0.00	0.00		
27		0.00	0.00	0.00	42	0.00	26	0.00	0.00	0.00		
28		0.00	0.00	0.00	41	0.00	29	0.00	0.00	0.00		
29		---	0.00	0.00	40	0.00	32	0.00	0.00	0.00		
30		---	0.00	0.00	38	0.00	32	0.00	0.00	0.00		
31		---	0.00	---	36	---	36	0.00	---	0.00		
TOTAL		0.00	0.00	0.00	720.10	52.00	155.00	584.90	0.00	0.00		
MEAN		0.00	0.00	0.00	23.2	1.73	5.00	18.9	0.00	0.00		
MAX		0.00	0.00	0.00	53	25	36	53	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	1,430	103	307	1,160	0.00	0.00		

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



MILK RIVER BASIN

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

LOCATION.--Lat 49°18'18", long 107°48'05" (NAD 27), in NE¹/₄ 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 SE¹/₄ 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.

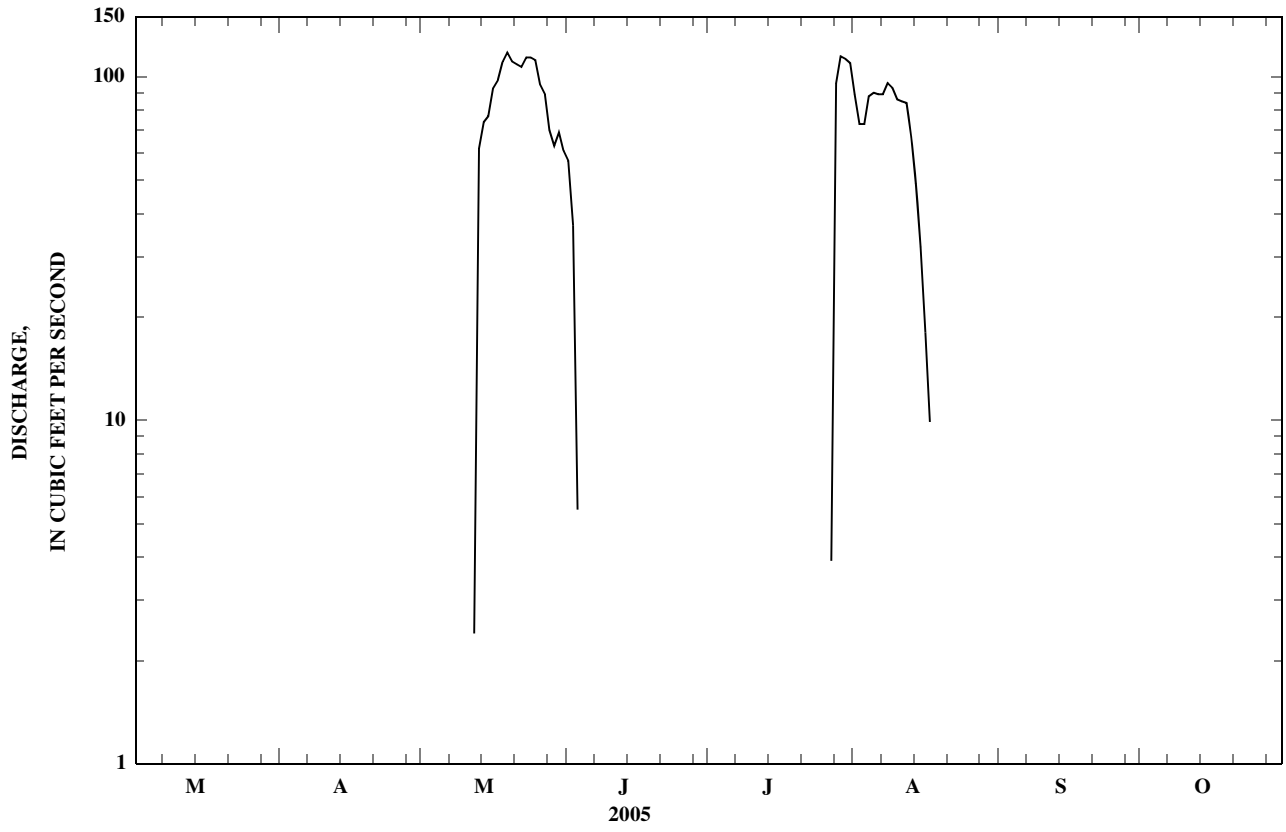
COOPERATION.--This is one of a number of stations which are maintained jointly by Canada and the United States.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 131 ft³/s, May 23, 1997; no flow at times each season.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2005
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			0.00	0.00	0.00	57	0.00	89	0.00	0.00		
2			0.00	0.00	0.00	37	0.00	73	0.00	0.00		
3			0.00	0.00	0.00	5.5	0.00	73	0.00	0.00		
4			0.00	0.00	0.00	0.00	0.00	88	0.00	0.00		
5			0.00	0.00	0.00	0.00	0.00	90	0.00	0.00		
6			0.00	0.00	0.00	0.00	0.00	89	0.00	0.00		
7			0.00	0.00	0.00	0.00	0.00	89	0.00	0.00		
8			0.00	0.00	0.00	0.00	0.00	96	0.00	0.00		
9			0.00	0.00	0.00	0.00	0.00	93	0.00	0.00		
10			0.00	0.00	0.00	0.00	0.00	86	0.00	0.00		
11			0.00	0.00	0.00	0.00	0.00	85	0.00	0.00		
12			0.00	0.00	2.4	0.00	0.00	84	0.00	0.00		
13			0.00	0.00	62	0.00	0.00	67	0.00	0.00		
14			0.00	0.00	74	0.00	0.00	49	0.00	0.00		
15			0.00	0.00	77	0.00	0.00	32	0.00	0.00		
16			0.00	0.00	93	0.00	0.00	18	0.00	0.00		
17			0.00	0.00	98	0.00	0.00	9.9	0.00	0.00		
18			0.00	0.00	111	0.00	0.00	0.00	0.00	0.00		
19			0.00	0.00	118	0.00	0.00	0.00	0.00	0.00		
20			0.00	0.00	111	0.00	0.00	0.00	0.00	0.00		
21			0.00	0.00	109	0.00	0.00	0.00	0.00	0.00		
22			0.00	0.00	107	0.00	0.00	0.00	0.00	0.00		
23			0.00	0.00	114	0.00	0.00	0.00	0.00	0.00		
24			0.00	0.00	114	0.00	0.00	0.00	0.00	0.00		
25			0.00	0.00	112	0.00	0.00	0.00	0.00	0.00		
26			0.00	0.00	95	0.00	0.00	0.00	0.00	0.00		
27			0.00	0.00	89	0.00	3.9	0.00	0.00	0.00		
28			0.00	0.00	70	0.00	96	0.00	0.00	0.00		
29			0.00	0.00	63	0.00	115	0.00	0.00	0.00		
30			0.00	0.00	69	0.00	113	0.00	0.00	0.00		
31			0.00	---	61	---	110	0.00	---	0.00		
TOTAL			0.00	0.00	1,749.40	99.50	437.90	1,210.90	0.00	0.00		
MEAN			0.00	0.00	56.4	3.32	14.1	39.1	0.00	0.00		
MAX			0.00	0.00	118	57	115	96	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	0.00	3,470	197	869	2,400	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 SE¹/₄ 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, , and at river mile 76.4.

DRAINAGE AREA.--2,120 mi², of which 343 mi² 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 unpublished 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 2005
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			e11	131	60	33	13	31	64	0.11		
2			e11	133	60	31	8.3	31	63	0.07		
3			e11	134	51	30	32	31	63	0.07		
4			e12	140	46	29	50	31	61	0.07		
5			e16	130	46	28	50	31	54	0.04		
6			e24	215	46	26	49	31	47	0.04		
7			e24	310	44	23	48	31	30	0.00		
8			e24	329	36	17	47	31	19	0.00		
9			e21	332	27	9.5	45	31	13	0.00		
10			e32	303	18	8.8	42	31	8.0	0.00		
11			e49	252	12	8.3	38	31	7.3	0.00		
12			e25	245	7.9	8.9	36	32	7.2	0.00		
13			e24	240	6.8	9.9	33	32	6.8	0.00		
14			e24	238	5.8	9.3	31	32	6.0	0.00		
15			e24	238	5.6	5.9	27	32	3.2	0.00		
16			e28	221	4.7	4.1	17	32	1.9	0.00		
17			392	199	4.2	4.5	11	32	1.3	0.00		
18			618	101	14	4.3	7.1	32	1.0	0.00		
19			120	57	47	3.0	3.8	32	0.81	0.00		
20			54	65	47	1.9	1.8	28	0.60	0.00		
21			50	64	43	1.3	12	19	0.49	0.00		
22			48	95	42	1.1	53	18	0.39	0.00		
23			39	124	43	1.0	43	17	0.32	0.00		
24			27	134	41	1.2	35	14	0.25	31		
25			57	130	41	1.4	32	9.6	0.21	48		
26			73	121	40	1.5	30	6.5	0.21	48		
27			79	120	39	1.6	30	3.9	0.18	29		
28			112	107	38	36	30	3.1	0.14	11		
29			129	82	38	104	30	37	0.14	4.7		
30			117	67	37	31	31	63	0.11	2.2		
31			77	---	36	---	30	63	---	1.3		
TOTAL			2,352	5,057	1,027.0	475.5	946.0	879.1	460.55	175.60		
MEAN			75.9	169	33.1	15.8	30.5	28.4	15.4	5.66		
MAX			618	332	60	104	53	63	64	48		
MIN			11	57	4.2	1.0	1.8	3.1	0.11	0.00		
AC-FT			4,670	10,030	2,040	943	1,880	1,740	914	348		

STATISTICS OF MONTHLY MEAN DATA FOR SEASONS 1917 - 2005*

MEAN	179	397	138	83.8	52.7	17.1	7.23	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)

06164000 FRENCHMAN RIVER AT INTERNATIONAL BOUNDARY—Continued

SUMMARY STATISTICS

FOR 2005 SEASON

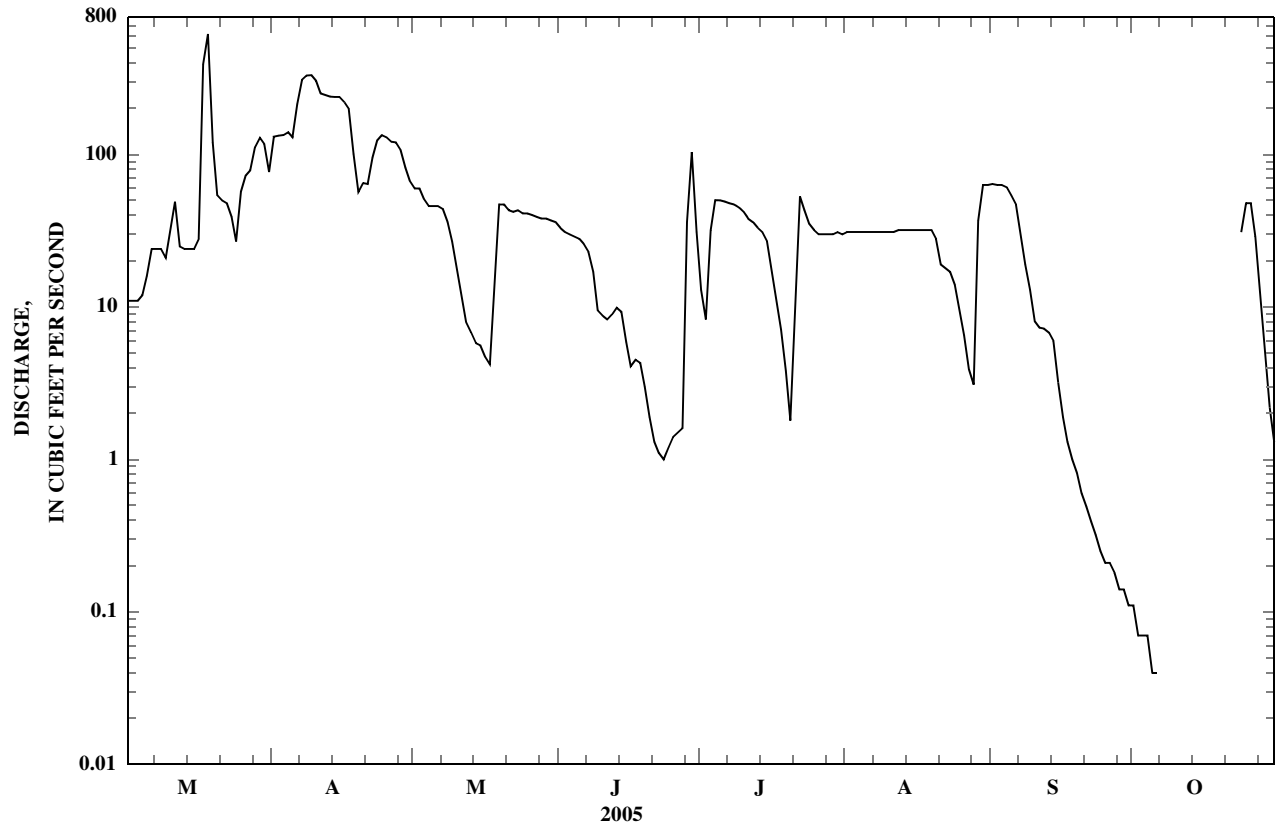
SEASONS 1917 - 2005*

HIGHEST DAILY MEAN	618	Mar 18	19,200	Apr 15, 1952
LOWEST DAILY MEAN	0.07	Oct 2	0.00	Jul 28, 1919
MAXIMUM PEAK FLOW	784	Mar 18	a22,700	Apr 15, 1952
MAXIMUM PEAK STAGE	7.47	Mar 18	b19.90	Apr 15, 1952

*--Seasonal records most years.

a--From rating curve extended above 2,300 ft³/s on basis of slope-area measurement of peak flow.

b--From floodmarks.



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 SE¹/₄ sec.12, T.6, R.27 W., third meridian, Hydrologic Unit 10050013, on south shore, and 12 mi north of Consul.

DRAINAGE AREA.--107 mi².

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, 20,490 acre-ft, June 29, elevation, 3,186.15 ft; minimum, 14,550 acre-ft, Mar.3, elevation, 3,184.77 ft.

06159000 EASTEND RESERVOIR

LOCATION.--Lat 49°30'26", long 108°51'08" (NAD 27), in NW¹/₄ 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 mi².

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, 2,400 acre-ft, May 9, elevation, 3,013.73 ft; minimum, 474 acre-ft, Oct. 31, elevation, 3,007.57 ft.

06162000 HUFF LAKE

LOCATION.--Lat 49°22'16", long 107°53'07" (NAD 27), in SW¹/₄ 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 mi².

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, 3,470 acre-ft, Apr. 4, elevation, 2,677.31 ft; minimum, 434 acre-ft, Aug. 20, elevation, 2,668.54 ft.

RESERVOIRS IN FRENCHMAN RIVER BASIN IN SASKATCHEWAN—Continued

06163000 NEWTON LAKE

LOCATION.--Lat 49°18'12", long 107°48'20" (NAD 27), in NE¹/₄ 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 mi².

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, 13,510 acre-ft, Mar. 14, elevation, 2,637.63 ft; minimum, 3,500 acre-ft, Oct. 31, elevation, 2,629.54 ft.

SEASONAL MONTHEND CONTENTS, IN ACRE-FEET, FEBRUARY 2005 TO OCTOBER 2005

Date	Cypress Lake	Eastend Reservoir	Huff Lake	Newton Lake
Feb. 28	14,630	487	3,160	12,020
Mar. 31	15,870	1,790	3,170	10,370
Apr. 30	19,100	2,210	3,090	10,050
May 31	15,360	798	1,350	7,800
June 30	20,180	1,880	3,200	9,890
July 31	18,170	1,470	2,450	7,320
Aug. 31	16,690	1,140	565	4,610
Sept. 30	16,150	486	1,630	4,180
Oct. 31	16,030	474	2,290	3,530

06164510 MILK RIVER AT JUNEBOG BRIDGE, NEAR SACO, MT

LOCATION.--Lat 48°30'32", long 107°13'02" (NAD 27), in NE¹/₄ NE¹/₄ 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 mi².

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 unpublished observations of water temperature and specific conductance were made during the year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	62	136	e100	e150	e120	114	137	172	125	189	108
2	88	61	124	e100	e150	e130	107	125	185	118	201	108
3	89	62	110	e100	e140	e120	107	115	188	104	202	109
4	89	63	117	e100	e120	e120	119	106	130	92	233	112
5	91	63	133	e100	e100	e140	133	94	117	77	224	100
6	89	65	141	e100	e100	176	143	52	124	67	191	87
7	86	63	141	e100	e100	177	135	141	158	62	184	78
8	78	63	139	e100	e120	180	169	250	218	56	186	81
9	74	65	142	e100	e130	192	238	272	375	57	193	86
10	70	64	147	e100	e140	173	326	211	476	160	205	99
11	64	63	150	e100	e130	129	347	226	494	167	183	128
12	63	67	150	e100	e140	129	337	201	452	156	193	247
13	62	68	138	e100	e120	148	371	184	341	158	155	175
14	63	69	136	e100	e100	119	320	182	263	230	142	151
15	121	125	137	e100	e110	90	267	218	204	236	145	145
16	129	142	136	e100	e110	72	279	201	227	256	132	155
17	103	141	141	e110	e100	86	295	181	207	260	116	156
18	88	139	146	e120	e100	83	288	199	299	245	114	147
19	78	165	140	e130	e100	96	272	189	300	234	122	131
20	72	206	132	e140	e110	339	197	171	194	214	133	105
21	70	194	124	e130	e120	280	152	200	170	168	128	92
22	67	246	115	e110	e130	145	142	199	159	169	116	85
23	66	173	e100	e120	e140	103	122	189	163	168	107	82
24	65	155	e110	e130	e130	82	118	187	146	174	104	77
25	65	126	e110	e140	e130	70	109	208	116	190	106	73
26	64	118	e110	e130	e120	65	152	208	95	206	101	72
27	63	120	e100	e130	e110	63	170	209	96	198	103	74
28	63	147	e110	e130	e120	61	164	220	108	186	119	80
29	64	162	e110	e130	---	79	160	207	299	186	121	80
30	63	136	e110	e130	---	80	150	193	144	185	117	76
31	63	---	e100	e150	---	106	---	187	---	186	111	---
TOTAL	2,401	3,393	3,935	3,530	3,370	3,953	6,003	5,662	6,620	5,090	4,676	3,299
MEAN	77.5	113	127	114	120	128	200	183	221	164	151	110
MAX	129	246	150	150	150	339	371	272	494	260	233	247
MIN	62	61	100	100	100	61	107	52	95	56	101	72
AC-FT	4,760	6,730	7,810	7,000	6,680	7,840	11,910	11,230	13,130	10,100	9,270	6,540

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2005, BY WATER YEAR (WY)

MEAN	275	149	120	117	211	979	723	456	458	404	234	226
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)

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1978 - 2005	
ANNUAL TOTAL	102,201		51,932			
ANNUAL MEAN	279		142		364*	
HIGHEST ANNUAL MEAN					1,042	1978
LOWEST ANNUAL MEAN					70.1	2001
HIGHEST DAILY MEAN	a3,200	Mar 16	494	Jun 11	12,300	Apr 3, 1978
LOWEST DAILY MEAN	46	May 6	52	May 6	2.1	Aug 20, 1984
ANNUAL SEVEN-DAY MINIMUM	56	May 1	62	Oct 30	4.0	Jul 27, 1984
MAXIMUM PEAK FLOW			582	Jun 11	b12,400	Apr 3, 1978
MAXIMUM PEAK STAGE			4.14	Jun 11	c26.70	Mar 4, 1986
ANNUAL RUNOFF (AC-FT)	202,700		103,000		263,400	
10 PERCENT EXCEEDS	658		222		648	
50 PERCENT EXCEEDS	122		129		147	
90 PERCENT EXCEEDS	69		70		50	

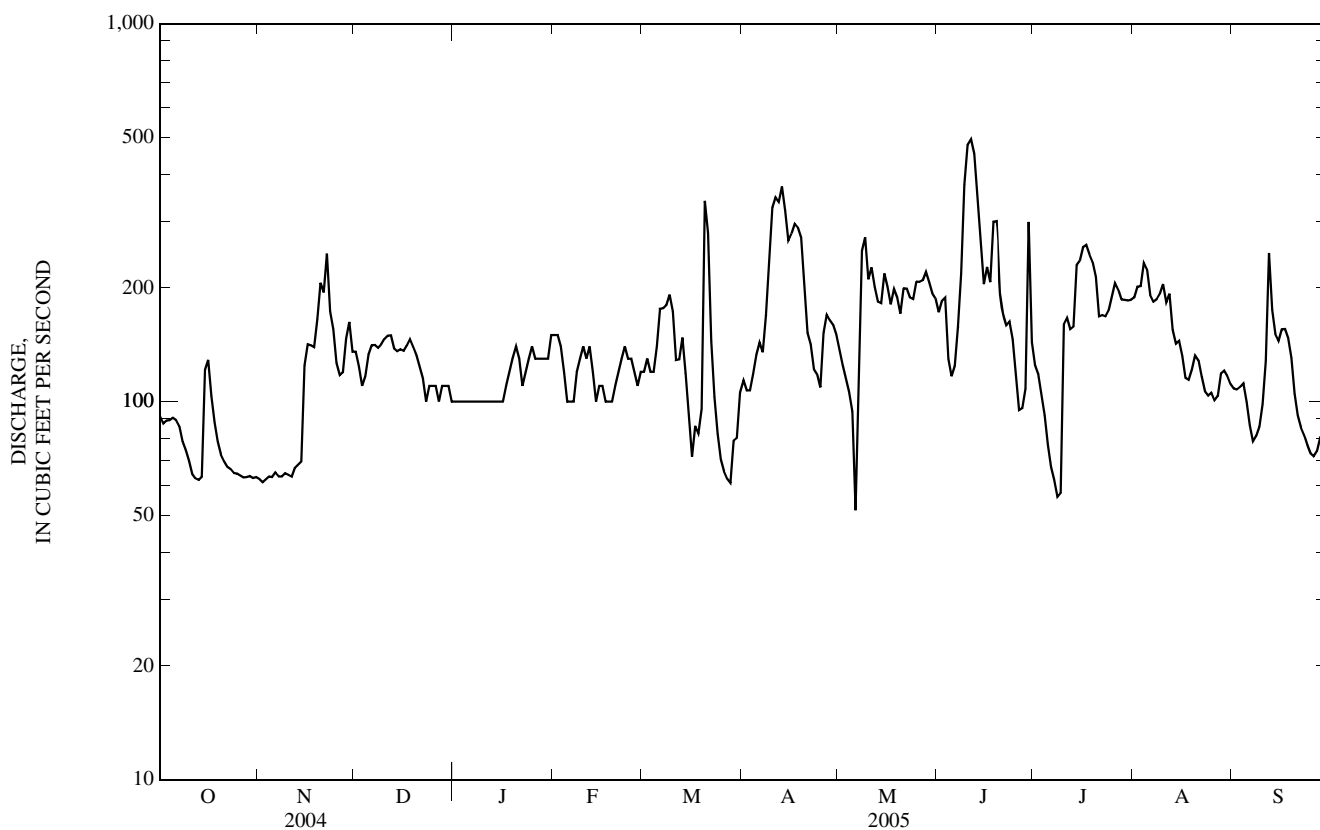
*--Median of yearly mean discharge 221 ft³/s.

a--About.

b--Gage height, 24.20 ft.

c--Backwater from ice.

e--Estimated.



06166000 BEAVER CREEK BELOW GUSTON COULEE, NEAR SACO, MT

LOCATION.--Lat 48°21'24", long 107°34'56" (NAD 27), in SE¹/₄SW¹/₄NW¹/₄ 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 mi².

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 unpublished observations of water temperature and specific conductance were made during the year.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2005
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			e0.00	0.79	5.8	12	52	2.9	0.89	0.01		
2			e0.00	0.77	5.8	7.7	20	1.8	0.74	0.01		
3			e0.00	12	10	0.35	9.1	0.99	0.66	0.00		
4			e0.00	14	8.0	e0.00	5.4	0.73	0.58	0.00		
5			e0.00	6.1	8.5	e0.00	2.8	0.63	0.50	0.00		
6			e0.00	4.7	11	e0.00	2.1	0.64	0.57	0.00		
7			e0.10	3.7	10	0.37	1.0	0.91	0.65	0.00		
8			e0.20	0.06	7.1	4.2	0.46	2.5	0.67	0.00		
9			e0.20	0.04	3.7	20	0.40	3.4	0.57	0.00		
10			e0.50	e0.00	2.6	18	0.16	3.2	0.65	0.00		
11			e0.50	e0.00	2.4	14	e0.00	2.2	0.76	0.00		
12			e0.30	0.06	4.1	13	e0.00	1.6	0.70	0.00		
13			e0.10	0.81	7.8	14	e0.00	1.3	0.68	0.00		
14			e0.10	86	5.6	12	e0.00	1.2	0.54	0.00		
15			e0.10	96	5.4	12	e0.00	1.2	0.04	0.00		
16			e0.10	100	4.9	20	e0.00	1.1	0.01	0.00		
17			e0.10	94	9.8	50	e0.00	1.2	0.01	0.01		
18			e0.10	44	31	24	e0.00	1.3	0.00	0.00		
19			e0.20	20	28	13	e0.00	1.1	0.01	0.00		
20			e0.30	19	14	6.4	0.04	0.90	0.01	0.00		
21			e0.30	14	6.4	18	0.83	0.88	0.01	0.00		
22			e0.40	10	6.5	23	3.7	1.0	0.01	0.00		
23			e0.20	9.5	11	12	3.1	1.2	0.01	0.00		
24			e0.30	12	12	6.7	1.8	1.1	0.01	0.00		
25			e0.50	11	12	3.5	0.54	1.2	0.00	0.00		
26			e1.0	9.3	16	2.4	e0.00	1.6	0.00	0.00		
27			1.2	8.8	19	1.3	e0.00	1.4	0.00	0.00		
28			1.1	7.7	17	1.1	e0.00	1.4	0.00	0.00		
29			1.1	6.6	10	6.9	e0.00	1.8	0.01	0.00		
30			1.1	6.3	8.1	90	0.09	2.0	0.01	0.00		
31			0.98	---	9.9	---	0.77	1.2	---	0.00		
TOTAL			11.08	597.23	313.4	405.92	104.29	45.58	9.30	0.03		
MEAN			0.36	19.9	10.1	13.5	3.36	1.47	0.31	0.00		
MAX			1.2	100	31	90	52	3.4	0.89	0.01		
MIN			0.00	0.00	2.4	0.00	0.00	0.63	0.00	0.00		
AC-FT			22	1,180	622	805	207	90	18	0.06		

STATISTICS OF MONTHLY MEAN DATA FOR SEASONS 1981 - 2005*

MEAN	64.5	19.4	56.6	33.9	41.2	6.71	53.7	19.6
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

HIGHEST DAILY MEAN
LOWEST DAILY MEAN
MAXIMUM PEAK FLOW
MAXIMUM PEAK STAGE

FOR 2005 SEASON

100
a0.00
b124
c4.09

Apr 16
Mar 1
Apr 14
Jun 30

SEASONS 1981 - 2005*

11,900
d0.00
f23,500
14.68

Sep 27, 1986
Apr 5, 1981
Sep 26, 1986
Sep 26, 1986

*--During period of operation (1981 to current year).

a--Many days.

b--Gage height, 3.66 ft.

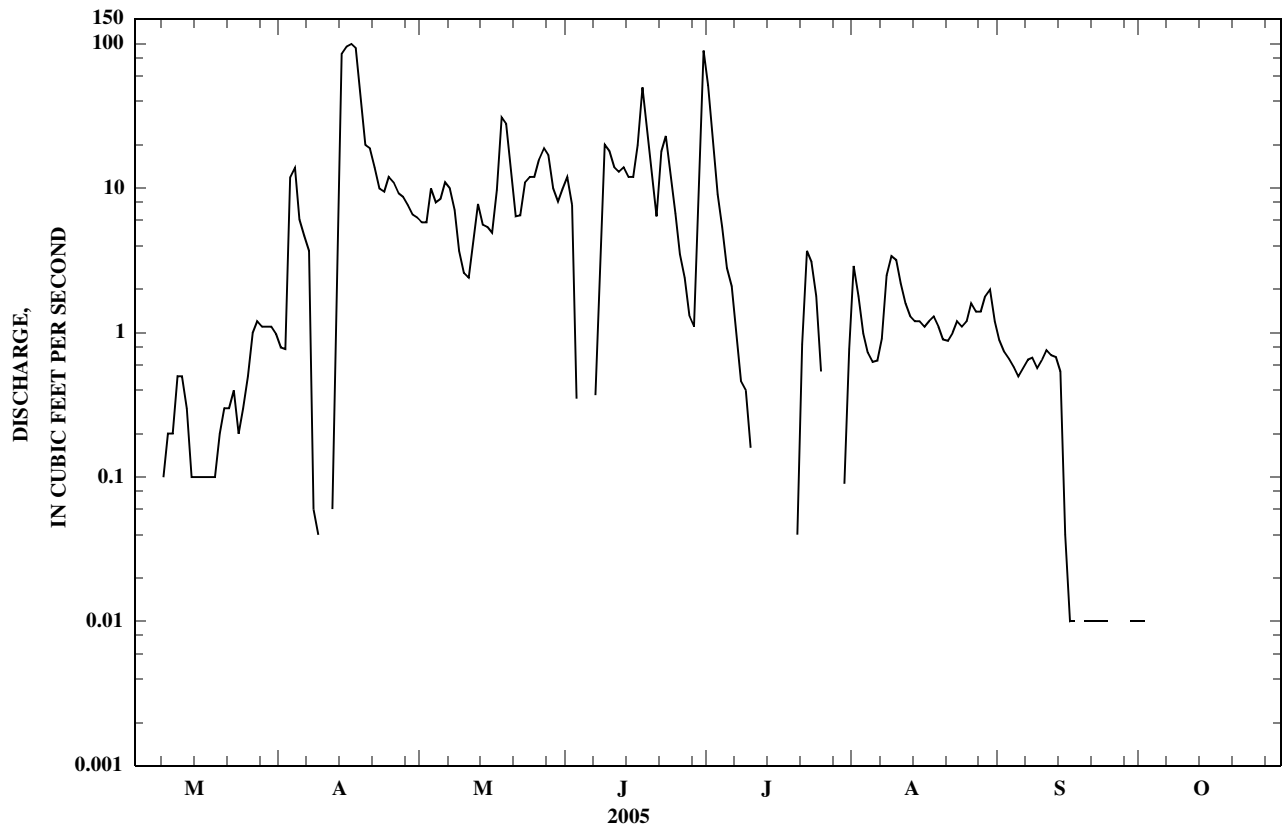
c--Backwater from algae.

d--No flow at times each year.

e--Estimated.

f--From slope-area measurement of peak flow.

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 NE¹/₄ NW¹/₄ 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 Opeheim, , and at river mile 82.0.

DRAINAGE AREA.--328 mi².

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, . 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 unpublished 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 ft³/s, by slope-area measurement of peak flow.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.93	2.6	1.3	e0.55	e0.00	e0.30	24	4.1	5.1	35	0.06	0.00
2	0.98	2.5	1.4	e0.40	e0.00	e0.40	24	4.1	4.4	16	0.04	0.00
3	1.0	2.0	e1.3	e0.20	e0.00	e0.50	21	4.1	4.1	11	0.04	0.00
4	1.1	2.4	e1.3	e0.10	e0.00	e0.60	17	4.1	3.8	7.8	0.03	0.00
5	1.1	2.6	e1.4	e0.00	e0.33	e0.90	17	4.0	4.1	6.0	0.02	0.00
6	1.2	2.4	e1.3	e0.00	e0.00	e1.0	15	3.9	4.9	4.5	0.01	0.00
7	1.3	2.5	e1.4	e0.00	e0.00	e6.0	14	3.6	14	3.4	0.01	0.00
8	1.3	2.9	e1.4	e0.00	e0.00	e20	11	3.3	27	2.6	0.01	0.00
9	1.4	2.8	e1.4	e0.00	e0.00	e50	9.5	3.3	37	2.0	0.01	0.00
10	1.5	2.0	1.4	e0.00	e0.10	e50	9.0	3.3	24	1.6	0.01	0.01
11	1.5	2.3	1.5	e0.00	e0.10	e60	24	3.3	19	1.4	0.01	0.02
12	1.5	2.3	1.7	e0.00	e0.20	e50	41	3.4	20	1.3	0.01	0.01
13	1.5	1.8	1.4	e0.00	e0.20	e30	34	3.5	15	1.4	0.01	1.2
14	1.6	2.3	1.1	e0.00	e0.20	e20	21	3.5	11	1.1	0.01	2.8
15	1.6	2.2	1.1	e0.00	e0.20	e10	15	3.8	9.2	0.84	0.01	1.5
16	1.6	2.4	e0.90	e0.00	e0.20	e10	11	3.9	9.8	0.79	0.01	0.82
17	2.0	2.6	e1.0	e0.00	e0.20	e10	9.2	4.0	8.1	0.76	0.01	0.58
18	2.2	2.6	e1.0	e0.00	e0.30	e8.0	8.0	4.4	8.6	0.68	0.01	0.47
19	2.3	2.3	e0.95	e0.00	e0.30	e6.0	7.1	4.2	7.2	0.66	0.01	0.47
20	2.3	2.3	e0.95	e0.00	e0.30	e5.0	6.7	11	8.1	0.60	0.01	0.42
21	2.4	2.1	e0.95	e0.00	e0.30	e4.0	6.3	11	9.6	0.55	0.01	0.41
22	2.5	1.7	e0.75	e0.00	e0.30	5.4	6.0	8.2	7.3	0.47	0.00	0.39
23	2.6	1.9	e0.65	e0.00	e0.30	5.5	5.6	8.3	15	0.42	0.00	0.40
24	2.8	1.5	e0.30	e0.00	e0.30	e6.0	5.2	7.2	8.1	0.33	0.00	0.41
25	2.8	1.6	e0.40	e0.00	e0.30	e4.0	4.7	11	4.8	0.28	0.00	0.41
26	2.8	1.9	e0.50	e0.00	e0.30	e4.0	4.7	12	4.9	0.25	0.00	0.42
27	2.9	1.8	e0.60	e0.00	e0.30	e5.0	4.5	10	23	0.23	0.00	0.40
28	3.0	1.7	e0.60	e0.00	e0.25	6.8	4.1	8.3	12	0.20	0.00	0.41
29	2.9	1.7	e0.60	e0.00	---	9.5	4.1	7.0	25	0.14	0.00	0.46
30	2.9	1.4	e0.60	e0.00	---	15	4.1	6.4	66	0.14	0.00	0.49
31	2.8	---	e0.55	e0.00	---	32	---	5.7	---	0.11	0.00	---
TOTAL	60.31	65.1	31.70	1.25	4.98	435.90	387.8	177.9	420.1	102.55	0.35	12.50
MEAN	1.95	2.17	1.02	0.04	0.18	14.1	12.9	5.74	14.0	3.31	0.01	0.42
MAX	3.0	2.9	1.7	0.55	0.33	60	41	12	66	35	0.06	2.8
MIN	0.93	1.4	0.30	0.00	0.00	0.30	4.1	3.3	3.8	0.11	0.00	0.00
AC-FT	120	129	63	2.5	9.9	865	769	353	833	203	0.7	25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2005, BY WATER YEAR (WY)*

MEAN	1.83	1.49	0.74	0.27	5.49	78.0	80.9	16.2	13.3	9.34	1.23	1.06
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1956 - 2005**	
ANNUAL TOTAL	5,624.67		1,700.44		13.8***	
ANNUAL MEAN	15.4		4.66		37.4	
HIGHEST ANNUAL MEAN					1.88	
LOWEST ANNUAL MEAN					1999	
HIGHEST DAILY MEAN	903	May 24	66	Jun 30	3,460	Apr 7, 1969
LOWEST DAILY MEAN	0.00	Jan 16	0.00	Jan 5	0.00	Mar 1, 1957
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 16	0.00	Jan 5	0.00	Mar 1, 1957
MAXIMUM PEAK FLOW			a85	Jun 29	c4,420	Apr 7, 1969
MAXIMUM PEAK STAGE			b4.86	Mar 12	b13.40	Mar 29, 1978
INSTANTANEOUS LOW FLOW					d0.00	Mar 1, 1957
ANNUAL RUNOFF (AC-FT)	11,160		3,370		10,020	
10 PERCENT EXCEEDS	26		11		14	
50 PERCENT EXCEEDS	1.5		1.4		1.0	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

*--During period of operation (September 1956 to current year).

**--Seasonal records only prior to October 1978.

***--Median of yearly discharge, 9.92 ft³/s, 6,970 acre-ft/yr (October 1978 to current year).

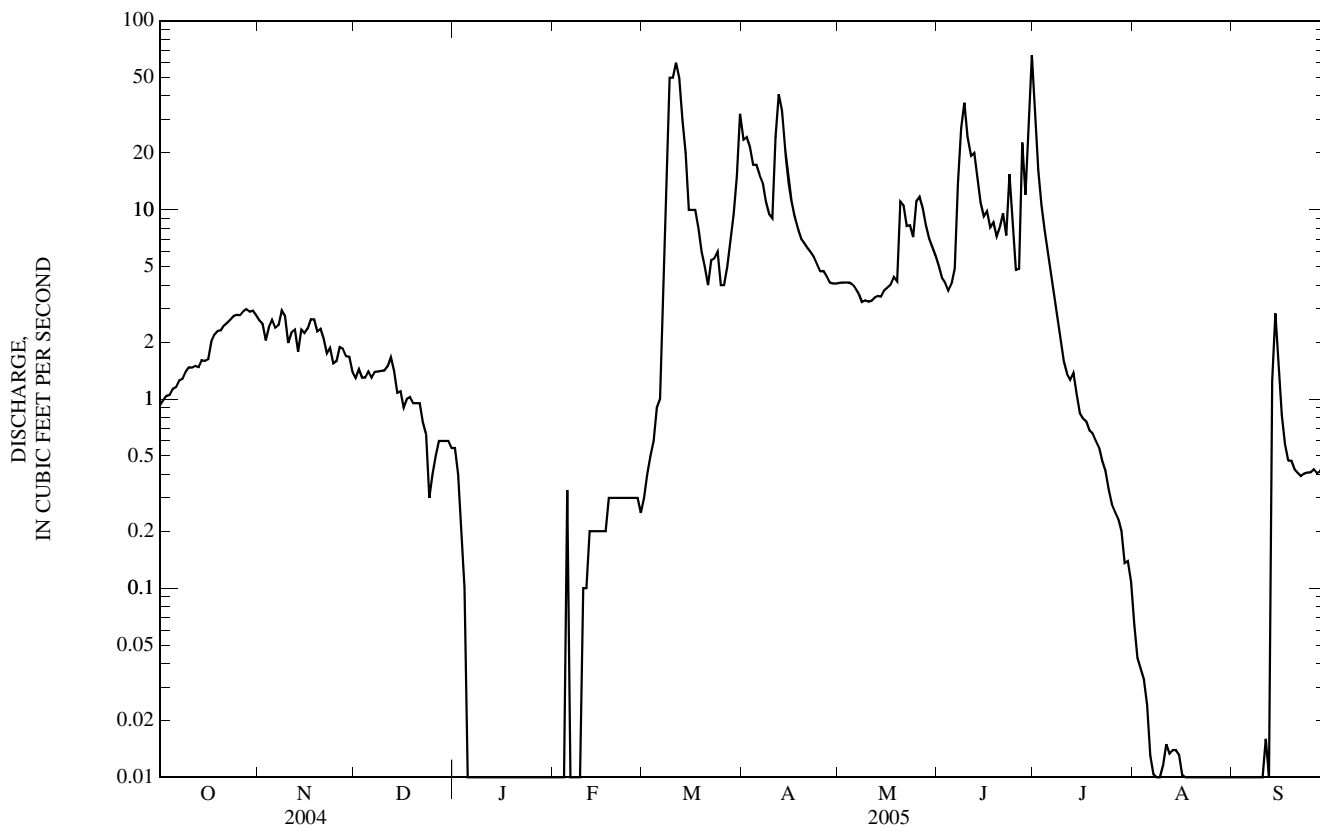
a--Gage height, 3.83 ft.

b--Backwater from ice.

c--Gage height, 12.03 ft.

d--No flow at times most years.

e--Estimated.



MILK RIVER BASIN

06172310 MILK RIVER AT TAMPICO, MT

LOCATION.--Lat 48°18'29", long 106°49'19" (NAD 27), in SW¹/₄SW¹/₄SW¹/₄ 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 mi².

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 unpublished 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 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2005
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			e140	22	81	92	1,250	24	33	153		
2			e130	10	84	93	696	23	31	136		
3			e130	9.1	81	118	446	22	28	133		
4			e130	8.9	76	157	317	23	27	158		
5			e150	11	70	134	262	27	26	121		
6			e170	10	56	111	210	39	26	94		
7			e170	12	45	319	166	48	26	85		
8			e170	17	42	707	114	56	31	83		
9			e180	19	66	897	77	61	25	80		
10			e170	77	117	1,100	55	75	30	77		
11			e130	261	126	1,130	47	98	34	75		
12			e130	458	122	980	53	96	51	94		
13			161	632	108	821	54	99	173	83		
14			164	436	83	633	48	86	182	81		
15			176	273	72	534	41	63	135	81		
16			177	163	74	417	37	48	108	81		
17			127	145	72	352	42	42	109	79		
18			110	156	81	363	49	41	102	79		
19			117	149	76	855	56	38	88	79		
20			106	129	69	705	61	38	74	79		
21			238	97	64	447	57	39	183	78		
22			378	73	63	356	49	43	124	79		
23			241	58	66	383	46	42	115	78		
24			130	50	61	328	39	40	209	78		
25			165	42	56	265	34	37	192	76		
26			99	35	57	229	30	33	187	76		
27			75	35	60	176	35	31	265	76		
28			70	48	64	156	38	30	217	75		
29			73	64	70	253	35	29	108	75		
30			73	73	79	1,580	31	32	165	75		
31			80	---	85	---	27	35	---	75		
TOTAL			4,560	3,573.0	2,326	14,691	4,502	1,438	3,104	2,772		
MEAN			147	119	75.0	490	145	46.4	103	89.4		
MAX			378	632	126	1,580	1,250	99	265	158		
MIN			70	8.9	42	92	27	22	25	75		
AC-FT			9,040	7,090	4,610	29,140	8,930	2,850	6,160	5,500		

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 1994, AND SEASONS 1995 - 2005*

MEAN	211	178	1,155	802	349	554	303	107	117	154	217	152
MAX	791	433	3,041	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 2005 SEASON		SEASONS 1995 - 2005*		WATER YEARS 1974 - 1994*	
ANNUAL MEAN					400	
HIGHEST ANNUAL MEAN					998	1975
LOWEST ANNUAL MEAN					84.6	1988
HIGHEST DAILY MEAN	1,580	Jun 30	a11,000	Mar 27, 1997	8,180	May 26, 1974
LOWEST DAILY MEAN	8.9	Apr 4	1.8	Jun 7, 2002	0.00	Aug 28, 1988
ANNUAL SEVEN-DAY MINIMUM					0.00	Sep 7, 1988
MAXIMUM PEAK FLOW	1,980	Jun 30	a11,000	Mar 27, 1997	c8,210	May 26, 1974
MAXIMUM PEAK STAGE	9.32	Jun 30	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	

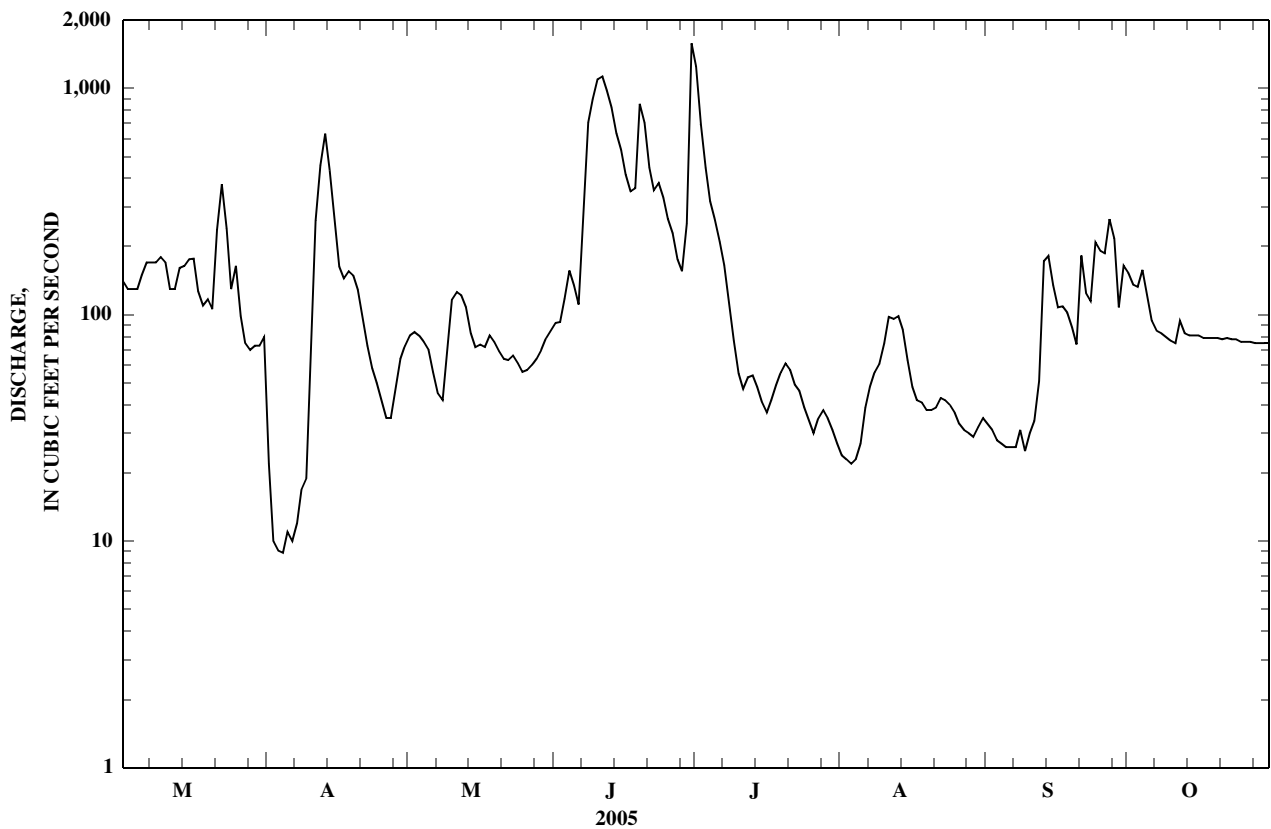
*--During period of operation (1974-77, 1987 to current year. Seasonal records beginning with 1995 water year).

a--Estimated daily discharge, ungaged bypass flow.

b--Backwater from ice.

c--Gage height, 23.65 ft.

e--Estimated.



MILK RIVER BASIN

06174500 MILK RIVER AT NASHUA, MT

LOCATION.--Lat 48°07'47", long 106°21'50" (NAD 27), in NE¹/₄ NE¹/₄ 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 mi².

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 unpublished observations of water temperature and specific conductance were made during the year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	90	208	e110	e220	e210	97	85	114	486	57	61
2	201	88	213	e110	e220	e200	100	97	128	1,220	57	74
3	509	86	206	e110	e220	e200	81	101	135	991	49	90
4	444	84	196	e110	e220	e195	52	100	138	537	33	107
5	336	83	184	e110	e210	e200	40	92	153	359	111	108
6	248	84	181	e110	e200	e210	32	84	189	273	205	103
7	205	82	178	e110	e200	e200	28	77	208	231	103	89
8	247	83	e125	e110	e200	e220	26	77	1,050	194	77	78
9	242	82	e95	e110	e200	e220	28	79	2,390	159	85	72
10	185	80	e50	e110	e200	e220	30	71	3,870	125	92	76
11	136	81	e85	e110	e200	e230	40	61	4,430	99	89	91
12	119	82	e150	e110	e200	e230	229	89	3,950	107	106	184
13	111	80	e190	e110	e200	e220	344	124	3,110	86	130	326
14	102	77	209	e110	e200	e210	448	137	2,370	77	138	168
15	95	73	183	e110	e180	e200	474	140	1,800	78	130	174
16	92	84	185	e110	e190	196	443	109	1,200	82	138	191
17	93	88	182	e120	e190	178	310	111	721	82	137	166
18	93	89	194	e130	e180	152	253	111	554	78	117	150
19	125	131	e190	e140	e180	138	237	96	856	80	110	147
20	150	139	e180	e150	e180	136	243	90	1,490	82	97	141
21	135	117	e130	e140	e190	125	240	81	1,770	88	89	122
22	121	153	e120	e120	e190	123	214	83	2,740	94	89	110
23	108	187	e110	e130	e200	169	187	79	2,440	92	84	163
24	101	212	e120	e140	e210	318	157	84	1,390	89	81	161
25	97	222	e120	e150	e210	352	115	83	664	86	71	121
26	91	243	e120	e140	e210	227	100	81	396	92	57	175
27	89	252	e110	e140	e210	174	108	59	316	84	53	176
28	91	211	e120	e140	e200	159	107	59	274	65	58	178
29	96	211	e120	e140	---	133	84	69	226	57	58	222
30	97	191	e120	e200	---	116	72	82	240	62	56	193
31	93	---	e110	e220	---	101	---	102	---	63	57	---
TOTAL	4,945	3,765	4,684	3,960	5,610	5,962	4,919	2,793	39,312	6,298	2,814	4,217
MEAN	160	126	151	128	200	192	164	90.1	1,310	203	90.8	141
MAX	509	252	213	220	220	352	474	140	4,430	1,220	205	326
MIN	89	73	50	110	180	101	26	59	114	57	33	61
AC-FT	9,810	7,470	9,290	7,850	11,130	11,830	9,760	5,540	77,980	12,490	5,580	8,360

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2005, BY WATER YEAR (WY)

MEAN	300	209	156	144	237	1,280	2,137	981	953	648	301	269
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)

06174500 MILK RIVER AT NASHUA, MT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1940 - 2005	
ANNUAL TOTAL	212,269		89,279			
ANNUAL MEAN	580		245		635*	
HIGHEST ANNUAL MEAN					2,359	1952
LOWEST ANNUAL MEAN					57.7	1984
HIGHEST DAILY MEAN	8,000	Mar 21	4,430	Jun 11	44,200	Apr 18, 1952
LOWEST DAILY MEAN	40	Jan 5	26	Apr 8	0.00	Jul 14, 1984
ANNUAL SEVEN-DAY MINIMUM	47	Jan 1	32	Apr 5	0.00	Jul 17, 1984
MAXIMUM PEAK FLOW			4,540	Jun 11	45,300	Apr 18, 1952
MAXIMUM PEAK STAGE			11.35	Jun 11	31.38	Apr 18, 1952
ANNUAL RUNOFF (AC-FT)	421,000		177,100		459,900	
10 PERCENT EXCEEDS	1,900		288		1,250	
50 PERCENT EXCEEDS	142		128		175	
90 PERCENT EXCEEDS	80		77		58	

*--Median of yearly discharge, 540 ft³/s, 391,200 ac-ft/yr.
 e--Estimated.

