Water-Data Report 2013

05018500 ST. MARY CANAL AT ST. MARY CROSSING, NEAR BABB, MT

Saskatchewan Basin
St. Mary Subbasin

LOCATION.--Lat 48°56'49", long 113°22'31" referenced to North American Datum of 1983, in NE ¼ SW ¼ SW ¼ sec.19, T.37 N., R.13 W., Glacier County, MT, Hydrologic Unit 10010002, Blackfeet Indian Reservation, on left bank 50 ft upstream from inlet of St. Mary siphon, 6.6 mi northeast of Babb, and 9 mi downstream from intake.

DRAINAGE AREA.--Not determined.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1918 to current season (seasonal records only). Monthly discharge only for some periods, published in WSP 1308, 1728.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 4,450 ft, referenced to the North American Vertical Datum of 1988. Prior to June 14, 1951, water-stage recorder at several sites 0.8 mi downstream at different elevations.

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

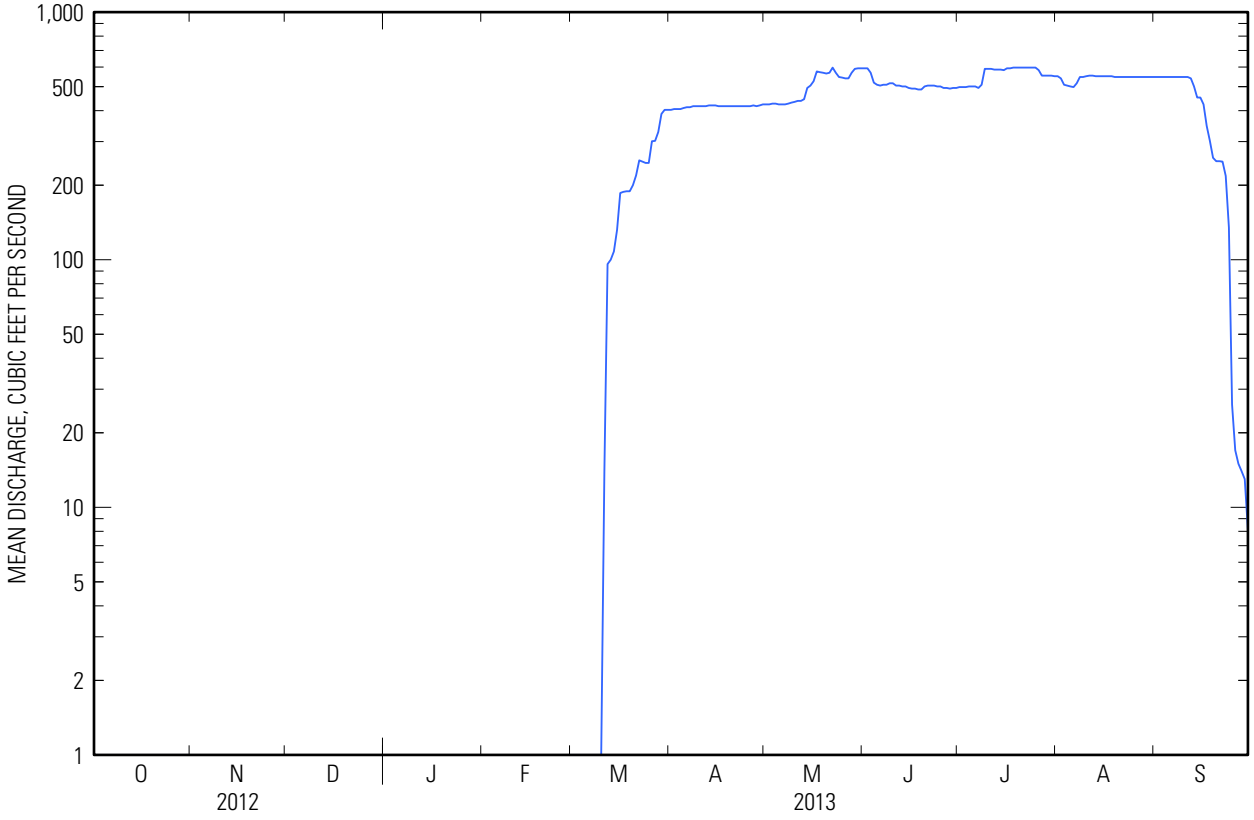
REMARKS.--Records are excellent. Canal diverts water from left bank of St. Mary River near Babb and discharges into North Fork Milk River. This water flows in the natural channel of Milk River through Canada and then back into Montana where it is used for irrigation in Milk River Valley downstream from Havre, MT. Bureau of Reclamation satellite telemeter is located at the station. Several observations of water temperature and specific conductance were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 767 ft^3/s, June 19, 28, 1936; no flow at times each season.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 05018500, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/05018500.2013.pdf

05018500 ST. MARY CANAL AT ST. MARY CROSSING, NEAR BABB, MT—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00					0.00	403	424	593	498	551	547
2	0.00					0.00	406	424	593	498	540	547
3	0.00					0.00	406	427	569	498	509	547
4	0.00					0.00	406	427	519	501	505	547
5	0.00					0.00	410	424	509	501	501	547
6	0.00					0.00	413	424	505	501	498	547
7	0.00					0.00	413	424	509	494	516	547
8	0.00					0.00	417	427	509	509	547	547
9	0.00					0.00	417	431	516	590	547	547
10	0.00					0.00	417	434	516	590	551	547
11	0.00					14	417	438	505	590	554	547
12	0.00					96	417	438	505	586	554	540
13	0.00					100	420	445	501	586	551	501
14	0.00					108	420	494	501	586	551	452
15	0.00					132	420	505	494	583	551	452
16	0.00					186	417	526	491	593	551	424
17	0.00					e188	417	576	491	593	551	347
18	0.00					e189	417	572	487	597	551	302
19	0.00					189	417	569	487	597	547	258
20	0.00					200	417	565	501	597	547	250
21	0.00					219	417	569	505	597	547	250
22	0.00					252	417	597	505	597	547	249
23	0.00					249	417	569	505	597	547	218
24	0.00					246	417	547	501	597	547	135
25	0.00					246	417	544	501	597	547	26
26	0.00					301	417	540	494	583	547	17
27	0.00					302	420	540	494	554	547	15
28	0.00					328	417	569	491	554	547	14
29	0.00					388	420	590	494	554	547	13
30	0.00					403	424	593	494	554	547	8.1
31	0.00					403	---	593	---	551	547	---
Total	0.00					4,739.00	12,470	15,645	15,285	17,423	16,790	10,488.1
Mean	0.00					153	416	505	510	562	542	350
Max	0.00					403	424	597	593	597	554	547
Min	0.00					0.00	403	424	487	494	498	8.1
Ac-ft	0.00					9,400	24,730	31,030	30,320	34,560	33,300	20,800

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