

Water-Data Report 2006

**05013900 GRINNELL CREEK AT GRINNELL GLACIER, NEAR MANY GLACIER, MT**

Saskatchewan Basin  
St. Mary Subbasin

LOCATION.--Lat 48°45'28", long 113°43'29" referenced to North American Datum of 1927, in S ¼ W ¼ sec.29, T.35 N., R.16 W., Glacier County, MT, Hydrologic Unit 10010002, Glacier National Park, on left bank 0.2 mi downstream from outlet of Grinnell Glacier, 0.4 mi upstream from Grinnell Falls, 4 mi southwest of Many Glacier, and 15 mi southwest of Babb.

DRAINAGE AREA.--1.10 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--July 1959 to September 1971, July 2004 to current year (no winter records).

GAGE.--Water-stage recorder. Elevation of gage is 6,322 ft, referenced to the National Geodetic Vertical Datum of 1929.

REMARKS.--Records are good except those for estimated daily discharges, which are fair. No regulation or diversion occurs upstream from station. Bureau of Reclamation satellite telemeter is located at station. Several unpublished observations of water temperature and specific conductance were made during the year.

## 05013900 GRINNELL CREEK AT GRINNELL GLACIER, NEAR MANY GLACIER, MT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**CALENDAR YEAR JANUARY TO DECEMBER 2006**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1							45	18	8.7	9.2		
2							42	16	8.1	7.0		
3							41	15	9.2	5.5		
4							39	15	10	4.5		
5							39	16	12	4.0		
6							47	15	13	4.1		
7							46	16	14	4.1		
8							39	19	13	3.5		
9							38	24	13	3.1		
10							34	22	13	3.4		
11							31	20	13	1.9		
12							29	16	12	1.7		
13							29	15	10	1.5		
14							26	15	11	1.5		
15							26	16	8.1	e1.4		
16							28	16	5.5	e1.4		
17							27	14	4.3	e1.7		
18							25	16	3.4	e2.0		
19							24	17	3.7	2.4		
20							24	16	6.7	2.3		
21							26	16	11	2.1		
22							29	16	9.0	1.9		
23							33	15	7.0	e1.7		
24							35	14	7.3	e1.7		
25							35	14	10	e2.0		
26							33	14	11	e1.7		
27							33	16	9.6	e1.7		
28							32	15	14	e1.5		
29							28	15	17	e1.3		
30							24	14	13	e1.2		
31							20	12	---	e1.2		
<b>Total</b>							1,007	498	300.6	84.2		
<b>Mean</b>							32.5	16.1	10.0	2.72		
<b>Max</b>							47	24	17	9.2		
<b>Min</b>							20	12	3.4	1.2		
<b>Ac-ft</b>							2,000	988	596	167		

**STATISTICS OF MONTHLY MEAN DATA FOR SEASONS 1959 - 2006\***

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Mean</b>							38.6	28.7	15.5	7.97		
<b>Max</b>							47.0	38.6	31.6	19.3		
<b>(WY)</b>							(1967)	(1971)	(1968)	(1962)		
<b>Min</b>							26.2	16.1	6.93	2.72		
<b>(WY)</b>							(2005)	(2006)	(1965)	(2007)		

\* For periods of seasonal records, July 1959 to September 1971 and July 2004 to current year.

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SUMMARY STATISTICS

	2006 Season		Seasons 1959 - 2006*	
<b>Highest daily mean</b>	47	Jul 6	126	Sep 30, 2005
<b>Lowest daily mean</b>	1.2	Oct 30	0.00	Nov 29, 1960
<b>Maximum peak flow</b>	57	Jul 6	230	Sep 30, 2005
<b>Maximum peak stage</b>	2.87	July 6	4.43	Sep 30, 2005

\* For periods of seasonal records, July 1959 to September 1971 and July 2004 to current year.

