

Water-Data Report 2006

**06151500 BATTLE CREEK NEAR CHINOOK, MT**

Milk Basin  
Battle Subbasin

LOCATION.--Lat 48°38'58", long 109°13'54" referenced to North American Datum of 1927, in NW ¼ SW ¼ NE ¼ sec.3, T.33 N., R.19 E., Blaine County, MT, Hydrologic Unit 10050008, on left bank, 4 mi north of Chinook, and at river mile 14.

DRAINAGE AREA.--1,623 mi<sup>2</sup>, revised.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--April 1905 to September 1921 (monthly discharge only, published in Water Supply Paper 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, referenced to the National Geodetic Vertical Datum of 1929. Apr. 22, 1905 to Apr. 8, 1918, chain gage located 100 ft downstream, and Apr. 9, 1918 to Sept. 30, 1921, chain gage located on bridge 600 ft downstream at same elevation but different from present elevation.

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 Several unpublished observations of water temperature and specific conductance were made during the year.

## 06151500 BATTLE CREEK NEAR CHINOOK, MT—Continued

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				67	1.2	1.0	23	0.55	0.00			
2				50	1.3	0.94	21	0.74	0.00			
3				45	1.3	4.8	3.0	0.74	0.00			
4				36	1.0	23	9.8	0.66	0.00			
5				30	1.2	23	15	0.69	0.00			
6				25	1.6	14	11	0.65	0.00			
7				31	7.5	16	7.2	0.56	0.00			
8				27	3.6	12	8.2	0.56	0.00			
9				21	0.78	7.2	5.8	0.52	0.00			
10				31	0.51	4.5	6.0	0.41	0.00			
11				26	0.90	6.7	5.5	8.3	0.00			
12				13	0.91	12	7.1	19	0.00			
13				18	0.81	8.9	6.5	2.2	0.00			
14				12	3.1	8.7	3.5	3.3	0.00			
15				7.4	6.3	8.2	4.3	7.6	0.01			
16				4.6	13	7.3	4.3	6.9	0.01			
17				3.3	17	6.3	5.7	7.1	0.03			
18				2.8	16	7.0	7.7	6.1	0.02			
19				3.9	6.1	9.9	2.9	1.0	0.04			
20				4.2	13	15	0.72	0.95	0.03			
21				2.1	16	17	0.50	4.4	0.03			
22				0.82	20	16	0.39	9.0	0.03			
23				0.53	10	15	0.39	5.6	0.02			
24				0.46	0.53	15	0.42	1.5	0.00			
25				2.0	0.73	14	0.53	0.03	0.01			
26				2.0	0.97	20	1.6	0.00	0.01			
27				1.6	1.1	17	0.89	0.00	0.00			
28				1.3	1.3	14	0.72	0.00	0.00			
29				2.9	1.1	8.2	0.71	0.00	0.01			
30				1.7	0.99	4.9	0.68	0.00	0.01			
31				---	1.0	---	0.51	0.00	---			
<b>Total</b>				473.61	150.83	337.54	165.56	89.06	0.26			
<b>Mean</b>				15.8	4.87	11.3	5.34	2.87	0.01			
<b>Max</b>				67	20	23	23	19	0.04			
<b>Min</b>				0.46	0.51	0.94	0.39	0.00	0.00			
<b>Ac-ft</b>				939	299	670	328	177	0.5			

**STATISTICS OF MONTHLY MEAN DATA FOR SEASONS 1984 - 2006**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Mean</b>				55.1	24.3	22.2	12.5	3.14	43.6			
<b>Max</b>				539	101	48.3	57.6	15.3	910			
<b>(WY)</b>				(1996)	(1986)	(2002)	(2000)	(2002)	(1986)			
<b>Min</b>				0.03	0.00	0.09	0.02	0.00	0.00			
<b>(WY)</b>				(2002)	(2002)	(1984)	(1984)	(2001)	(1984)			

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**SUMMARY STATISTICS**

	2006 Season		Seasons 1984 - 2006	
<b>Highest daily mean</b>	67	Apr 1	12,000	Sep 26, 1986
<b>Lowest daily mean</b>	0.00	Aug 26 <sup>a</sup>	0.00	Jul 12, 1984 <sup>a</sup>
<b>Maximum peak flow</b>	92	Apr 1	19,400	Sep 26, 1986
<b>Maximum peak stage</b>	2.41	Apr 1	22.91	Sep 26, 1986

<sup>a</sup> No flow at times most seasons.

