



Water-Data Report 2007

462442112174601 GRUB CREEK ABOVE MOUTH OF UNNAMED TRIBUTARY (GC03), NEAR RIMINI, MT

Missouri Headwaters Basin
Boulder Subbasin

LOCATION.--Lat 46°24'42", long 112°17'46" referenced to North American Datum of 1927, in NE ¼ NW ¼ SE ¼ sec.25, T.8 N., R.6 W., Jefferson County, MT, Hydrologic Unit 10020006, 1.1 mi upstream from Basin Creek and 5.9 mi south of Rimini.

DRAINAGE AREA.--Not determined.

GAGE.--None. Elevation at sampling site is 7,290 ft, referenced to the National Geodetic Vertical Datum of 1929.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 2003 to current year.

REMARKS.--Site was visited on Sept. 6 but sample was not collected due to no flow.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 1 of 3

Date	Time	Instantaneous discharge, cfs (00061)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd μS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt lab, mg/L as CaCO3 (29801)
Jun 14...	1350	.70	6.1	33	15.0	9.0	12	3.36	.766	.65	.2	1.35	8
Jul 18...	1315	.08	6.3	44	--	13.0	16	4.66	1.10	.63	.2	1.56	13

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 2 of 3

[Remark codes: <, less than; E, estimated.]

Date	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Dissolved solids, sum of constituents, mg/L (70301)	Dissolved solids, tons/acre-ft (70303)	Dissolved solids, tons/d (70302)	Aluminum, water, fltrd, μg/L (01106)	Arsenic, water, fltrd, μg/L (01000)	Arsenic, water, unfltrd, μg/L (01002)	Cadmium, water, fltrd, μg/L (01025)	Cadmium, water, unfltrd, μg/L (01027)
Jun 14...	.26	E.05	9.02	7.11	28	.04	.05	133	1.8	1.8	.47	.44
Jul 18...	.55	<.10	9.23	6.74	33	.04	.01	109	2.2	2.4	.89	.87

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
 Part 3 of 3

Date	Copper,		Iron,		Lead,		Mangan-		Zinc,	
	water,	water,	water,	water,	water,	ese,	water,	water,	water,	water,
	unfltrd									
	recover									
	-able,									
	fltrd,									
	μg/L									
	(01040)	(01042)	(01046)	(01045)	(01049)	(01051)	(01056)	(01055)	(01090)	(01092)
Jun										
14...	18.2	19.1	48	62	.17	.35	3.0	3.3	107	105
Jul										
18...	32.0	33.4	152	223	.51	.92	74.4	81.5	151	138