

Water-Data Report 2007

06425900 CABALLO CREEK AT MOUTH, NEAR PINEY, WY

 Belle Fourche Basin
 Upper Belle Fourche Subbasin

LOCATION.--Lat 44°04'48", long 105°15'59" referenced to North American Datum of 1927, in NW ¼ NE ¼ SE ¼ sec.4, T.47 N., R.70 W., Campbell County, WY, Hydrologic Unit 10120201, 0.1 mi downstream from bridge on county road, 0.7 mi southwest of Piney, 1.3 mi upstream from mouth, and 18 mi southeast of Gillette.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1978-80, 1982, 1983, 2001 to current year.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**
 Part 1 of 3
 [Remark codes: <, less than; E, estimated.]

Date	Time	Turbidity white light, det ang 90+/-30 corrctd	Baro- metric pres- sure, mm Hg 90+/-30 corrctd	Dissolved oxygen, mg/L 90+/-30 corrctd	Dissolved oxygen, percent of sat- uration (00301)	pH, water, unfiltrd field, std units (00400)	Specif- ic conduc- tance, wat unf std units (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO ₃ (00900)	Calci- um, water, mg/L (00915)	Magnes- ium, water, mg/L (00925)
		Instan- taneous dis- charge, cfs (00061)	NTRU (63676)	mm Hg (00025)	mg/L (00300)							
Oct												
17...	0910	.14	--	649	11.2	97	8.6	2,340	-1.0	2.5	690	124
Nov												
14...	0950	.44	--	639	10.3	86	8.2	1,880	1.0	.5	570	109
Dec												
19...	0900	.08	--	653	12.4	101	7.8	4,920	-7.0	.0	1,700	317
Jan												
19...	0900	.00	--	--	--	--	--	--	--	--	--	--
Feb												
15...	0835	.00	--	--	--	--	--	--	--	--	--	--
Mar												
15...	0945	2.0	--	657	10.9	93	8.3	1,100	2.0	2.5	340	67.1
Apr												
16...	0915	1.4	--	652	9.4	94	8.5	2,350	7.5	8.0	760	130
May												
16...	0820	4.8	--	653	8.2	91	8.2	1,880	10.5	12.5	660	124
Jun												
11...	1345	4.1	21	--	11.2	--	8.3	2,440	--	23.9	--	--
14...	0900	3.4	--	649	8.6	109	8.2	2,150	16.0	18.5	680	117
Jul												
17...	0850	.00	--	--	--	--	--	--	--	--	--	--
Aug												
15...	0845	.00	--	--	--	--	--	--	--	--	--	--
Sep												
11...	0840	.00	--	--	--	--	--	--	--	--	--	--

06425900 CABALLO CREEK AT MOUTH, NEAR PINEY, WY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 2 of 3

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

Date	Potas-	Sodium	Sodium	Alka-				Residue			Residue			
	sium, water, fltrd, mg/L (00935)	Sodium adsorp- tion ratio (00931)	frac- tion of cations (00932)	Sodium, water, fltrd, mg/L (00930)	wat flt fxd end CaCO ₃ (29801)	Chlor- ide, lab, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	sum of consti- tuents mg/L (70301)	water, fltrd, tons/ acre-ft (70303)	water, dis- solved, tons/d (70302)	on evap. 180degC wat flt (70300)	
Oct 17...	21.1	4.9	47	295	408	29.7	1.45	6.14	911	1,730	2.50	.69	1,840	
Nov 14...	14.6	4.0	45	218	340	25.3	1.10	3.20	711	1,360	1.98	1.73	1,450	
Dec 19...	38.0	6.4	43	614	778	73.4	1.84	7.82	2,280	4,030	5.83	.93	4,290	
Jan 19...	--	--	--	--	--	--	--	--	--	--	--	--	--	
Feb 15...	--	--	--	--	--	--	--	--	--	--	--	--	--	
Mar 15...	7.93	2.6	41	110	178	10.9	.61	2.70	384	730	1.04	4.11	761	
Apr 16...	13.9	3.9	41	247	214	37.4	.86	.15	1,110	1,770	2.77	7.69	2,030	
May 16...	15.0	3.2	38	188	199	46.9	.83	.36	773	1,350	1.97	18.8	1,450	
Jun 11...	--	--	--	--	--	--	--	--	--	--	--	--	--	
	14...	14.0	4.0	43	239	294	60.4	1.22	4.91	810	1,520	2.23	15.1	1,640
Jul 17...	--	--	--	--	--	--	--	--	--	--	--	--	--	
Aug 15...	--	--	--	--	--	--	--	--	--	--	--	--	--	
Sep 11...	--	--	--	--	--	--	--	--	--	--	--	--	--	

06425900 CABALLO CREEK AT MOUTH, NEAR PINEY, WY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
 Part 3 of 3
 [Remark codes: <, less than; E, estimated.]

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Total nitro- gen, wat unf by anal ysis, mg/L (62855)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Alum- inum, water, unfltrd recover -able, µg/L (01105)	Arsenic water, fltrd, µg/L (01000)	Arsenic water, unfltrd µg/L (01002)	Barium, water, unfltrd recover -able, µg/L (01007)	Beryll- ium, water, unfltrd recover -able, µg/L (01012)	Iron, water, fltrd, µg/L (01046)	Mangan- ese, water, fltrd, µg/L (01056)	Selen- ium, water, unfltrd µg/L (01147)
Oct 17...	<.020	<.06	<.002	.91	.006	63	1.2	1.7	29.1	<.06	56	6.1	.54
Nov 14...	.023	<.06	E.001	.45	.010	66	.55	.66	23.6	<.06	30	10.5	.39
Dec 19...	.054	<.06	<.002	1.07	.007	45	1.4	2.3	67.9	<.12	70	83.8	1.7
Jan 19...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb 15...	--	--	--	--	--	--	--	--	--	--	--	--	--
Mar 15...	<.020	<.06	<.002	.47	<.006	76	.55	.71	23.4	<.06	38	87.4	.40
Apr 16...	.067	<.06	<.002	.63	<.006	84	.72	.94	52.8	<.06	35	37.4	2.5
May 16...	<.020	<.06	E.001	.51	E.003	106	.90	1.4	66.4	<.06	47	34.4	5.5
Jun 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.020	<.06	E.001	.59	E.004	214	1.1	1.2	60.4	<.06	23	13.2	1.6
Jul 17...	--	--	--	--	--	--	--	--	--	--	--	--	--
Aug 15...	--	--	--	--	--	--	--	--	--	--	--	--	--
Sep 11...	--	--	--	--	--	--	--	--	--	--	--	--	--