



Water-Data Report 2007

**12343400 EAST FORK BITTERROOT RIVER NEAR CONNER, MT**

Pend Oreille Basin  
Bitterroot Subbasin

LOCATION.--Lat 45°53'00", long 114°03'53" referenced to North American Datum of 1927, in NE ¼ SW ¼ NE ¼ sec.34, T.2 N., R.20 W., Ravalli County, MT, Hydrologic Unit 17010205, on right bank 10 ft downstream from private bridge, 4.3 mi southwest of Conner, and at river mile 6.1.

DRAINAGE AREA.--381 mi<sup>2</sup>.

GAGE.--None. Elevation of former surface-water gage is 4,191.81 ft, referenced to the National Geodetic Vertical Datum of 1929.

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--March 2001 to current year.

REMARKS.--Several unpublished observations of specific conductance and water temperature were made during the year.

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

Part 1 of 5

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

Date	Time	Instantaneous discharge, cfs (00061)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfiltered, μS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, mg/L (49570)	Total nitrogen, water, unfltrd, mg/L (62855)	Orthophosphate, water, fltrd, mg/L as P (00671)	Total phosphorus, water, unfltrd, mg/L (00665)
Mar 21...	1330	301	7.3	100	8.5	4.0	E.011	.002	.07	.17	.008	.026
May 21...	1115	1,600	7.9	56	3.0	7.0	<.016	E.001	.07	.22	.008	.028
Jun 13...	1215	880	7.8	74	21.0	9.5	<.016	<.002	.06	.15	.010	.028
Aug 09...	1200	87	8.3	113	24.0	14.0	<.016	<.002	.04	.11	.008	.015

12343400 EAST FORK BITTERROOT RIVER NEAR CONNER, MT—Continued

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

Part 2 of 5

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

Date	Total carbon, suspnd sediment total, mg/L (00694)	Inorganic carbon, suspnd sediment total, mg/L (00688)	Organic carbon, suspnd sediment total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)
Mar 21...	.5	<.1	.5	3.4	77	3	2.4
May 21...	1.1	<.1	1.1	--	30	16	69
Jun 13...	.8	<.1	.8	3.5	46	9	21
Aug 09...	.6	<.1	.6	1.7	68	2	.47

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

Part 3 of 5

[Remark codes: E, estimated.]

Date	Time	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium adsorp-tion ratio (00931)	Sodium water, fltrd, mg/L (00930)	Alka-linity, wat flt end lab, mg/L as CaCO3 (29801)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
Mar 21...	1330	42	13.5	2.04	1.04	.3	3.94	46	1.61	.15	14.5	3.62
Jun 13...	1215	27	8.87	1.26	.72	.2	2.46	33	.75	E.06	11.9	1.83

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

Part 4 of 5

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

Date	Dis-solved solids, sum of consti-tuents mg/L (70301)	Dis-solved solids, tons/ acre-ft (70303)	Dis-solved solids, tons/d (70302)	Arsenic water, fltrd, µg/L (01000)	Arsenic water, unfltrd µg/L (01002)	Cadmium water, fltrd, µg/L (01025)	Cadmium water, unfltrd µg/L (01027)	Chrom-ium, water, fltrd, µg/L (01030)	Chrom-ium, water, unfltrd recover-able, µg/L (01034)	Copper, water, fltrd, µg/L (01040)	Copper, water, unfltrd recover-able, µg/L (01042)
Mar 21...	68	.09	55.3	.33	.36	E.02	E.02	E.09	<.60	.41	E.8
Jun 13...	48	.06	113	.30	.32	.04	<.02	E.08	<.60	.42	<1.2

## 12343400 EAST FORK BITTERROOT RIVER NEAR CONNER, MT—Continued

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

Part 5 of 5

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

Date	Lead, water, unfltrd	Lead, water, recover fltrd, -able, µg/L (01049)	Nickel, water, unfltrd	Nickel, water, recover fltrd, -able, µg/L (01065)	Zinc, water, unfltrd	Zinc, water, recover fltrd, -able, µg/L (01090)	Zinc, water, recover fltrd, -able, µg/L (01092)
	<b>Mar</b> <b>21...</b>	<.12	.23	.21	.30	1.0	E1
<b>Jun</b> <b>13...</b>	.33	.17	.14	.22	3.8	E1.2	