



Water-Data Report 2013

**12413250 SOUTH FORK COEUR D' ALENE RIVER AT KELLOGG, ID**

Spokane Basin  
South Fork Coeur D'Alene Subbasin

LOCATION.--Lat 47°32'43", long 116°08'03" referenced to North American Datum of 1983, in SW ¼ SW ¼ SW ¼ sec.31, T.49 N., R.3 E., Shoshone County, ID, Hydrologic Unit 17010302, Kellogg West quad., at Bunker Ave bridge, 200 ft downstream from Jackass Creek, 1.9 mi upstream from Government Gulch 1.0 mi northwest of Kellogg city center, and at mile 6.9.

DRAINAGE AREA.--194 mi<sup>2</sup>, approximately.

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--March 1999 to September 2005 at station 1200 ft downstream (published as South Fork Coeur d' Alene River at Kellogg), January 2006 to current year.

PERIOD OF DAILY RECORD.--Water-quality data recorder at station 1200 ft downstream from March 1999 to September 2005 (published as South Fork Coeur d' Alene River at Kellogg).

WATER TEMPERATURE: March 1999 to September 2005 (discontinued).  
SPECIFIC CONDUCTANCE: March 1999 to September 2005 (discontinued).  
TURBIDITY: October 2000 to September 2005 (discontinued).

REMARKS.--Turbidity data collected prior to 2001 water year not published.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum recorded, 23.5 °C Aug. 9, 2001; minimum, 0.0 °C many days during winter months.  
SPECIFIC CONDUCTANCE: Maximum recorded daily mean, 229 microsiemens/cm Feb. 19, 2001; minimum recorded daily mean, 43 microsiemens/cm May 25, 2000.  
TURBIDITY: Maximum recorded, >1,000 FNU Sept. 5, 2001, Apr. 14, 2002; minimum recorded, <1 FNU on many days.

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Part 1 of 3

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; P, phosphorus; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; mm, millimeters; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Temperature, air, °C (00020)	Discharge, instantaneous, ft <sup>3</sup> /s (00061)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, µS/cm at 25°C (00095)	Temperature, water, °C (00010)	Hardness, water, mg/L as CaCO <sub>3</sub> (00900)	Calcium, water, filtered, mg/L (00915)	Magnesium, water, filtered, mg/L (00925)	Ammonia, water, filtered, mg/L as N (00608)
10-03-2012	1440	12.0	83	7.9	174	12.4	75.3	18.2	7.24	< .010
03-15-2013	0853	8.2	680	7.0	105	4.7	38.5	10.2	3.17	< .010
04-06-2013	1250	12.0	1,640	7.5	77	5.9	28.6	7.83	2.19	< .010
06-25-2013	1300	17.5	360	7.4	103	12.3	39.6	10.0	3.55	< .010

## 12413250 SOUTH FORK COEUR D' ALENE RIVER AT KELLOGG, ID—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Part 2 of 3

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; P, phosphorus; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; mm, millimeters; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Orthophosphate, water, filtered, mg/L as P (00671)	Phosphorus, water, filtered, mg/L as P (00666)	Phosphorus, water, unfiltered, mg/L as P (00665)	Total nitrogen, water, unfiltered, analytically determined, mg/L (62855)	Cadmium, water, filtered, µg/L (01025)	Cadmium, water, unfiltered, µg/L (01027)	Iron, water, filtered, µg/L (01046)
10-03-2012	1440	0.099	< .004	< .004	< .004	0.09	4.76	4.45	7.7
03-15-2013	0853	.12	.004	< .004	.018	.20	2.54	2.74	19.8
04-06-2013	1250	.07	< .004	.005	.027	.15	1.82	2.37	9.7
06-25-2013	1300	.03	< .004	< .004	< .004	< .05	2.47	2.34	6.2

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Part 3 of 3

[CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; P, phosphorus; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; mm, millimeters; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Iron, water, unfiltered, recoverable, µg/L (01045)	Lead, water, filtered, µg/L (01049)	Lead, water, unfiltered, recoverable, µg/L (01051)	Manganese, water, filtered, µg/L (01056)	Manganese, water, unfiltered, recoverable, µg/L (01055)	Zinc, water, filtered, µg/L (01090)	Zinc, water, unfiltered, recoverable, µg/L (01092)	Suspended sediment, sieve diameter, percent smaller than 0.0625 mm (70331)	Suspended sediment concentration, mg/L (80154)
10-03-2012	1440	27.4	5.50	9.88	30.7	29.6	625	567	67	2
03-15-2013	0853	395	1.66	37.9	18.8	64.5	432	437	79	14
04-06-2013	1250	762	1.57	77.2	12.4	118	295	362	36	37
06-25-2013	1300	24.8	2.84	5.91	19.8	21.1	366	343	50	1