



Water-Data Report 2013

12413300 SOUTH FORK COEUR D' ALENE RIVER AT SMELTERVILLE, ID

Spokane Basin
South Fork Coeur D'Alene Subbasin

LOCATION.--Lat 47°32'54", long 116°10'31" referenced to North American Datum of 1983, in SE ¼ NW ¼ SW ¼ sec.35, T.49 N., R.2 E., Shoshone County, ID, Hydrologic Unit 17010302, on left bank at county road bridge, 0.2 mi downstream from Government Gulch, 0.3 miles north of Smelterville, and at mile 5.1.

DRAINAGE AREA.--202 mi², approximately.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1999 to current year.

PERIOD OF DAILY RECORD.--

- 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, 23.5 °C July 21-22, 27, Aug. 9, 2003, July 24, 2004; minimum, 0.0 °C many days during winter months.
- SPECIFIC CONDUCTANCE: Maximum recorded daily mean, 521 microsiemens/cm Dec. 12, 2000; minimum recorded daily mean, 58 microsiemens/cm May 29-30, 2002.
- TURBIDITY: Maximum recorded, >1000 FNU Oct. 11, 31, 2001, Feb. 9, Apr. 14, 2002, Feb. 1, 2003; minimum recorded, <1 FNU on many days.

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

Part 1 of 3

[CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; ft³/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 ³ /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 ₃ (00900)	Calcium, water, filtered, mg/L (00915)	Magnesium, water, filtered, mg/L (00925)	Ammonia, water, filtered, mg/L as N (00608)
10-04-2012	0820	0.0	89	7.0	296	6.8	133	34.2	11.5	< .010
03-15-2013	1049	9.0	710	7.0	115	5.1	45.4	12.2	3.64	< .010
04-06-2013	1400	13.0	1,800	7.4	87	6.5	31.4	8.59	2.42	< .010
06-25-2013	1430	20.5	375	7.2	117	13.2	45.8	11.7	4.03	< .010

12413300 SOUTH FORK COEUR D' ALENE RIVER AT SMELTERVILLE, ID—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 2 of 3

[CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; ft³/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)
10-04-2012	0820	0.081	0.006	0.007	0.018	0.05	10.4	9.55	84.9
03-15-2013	1049	.12	.008	.009	.070	.22	3.81	4.19	20.5
04-06-2013	1400	.07	.006	.008	.037	.15	2.17	2.98	9.5
06-25-2013	1430	.03	.006	.006	.008	.20	3.76	3.57	26.2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 3 of 3

[CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; ft³/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)
10-04-2012	0820	152	2.90	7.38	892	833	1,360	1,240	39	2
03-15-2013	1049	558	1.60	47.7	79.5	145	540	576	71	15
04-06-2013	1400	846	1.64	76.0	37.8	167	333	416	60	27
06-25-2013	1430	165	3.22	6.42	89.3	87.6	544	482	63	2