



Water-Data Report 2012

13211441 INDIAN CREEK AT SIMPLOT BOULEVARD AT CALDWELL, ID

Middle Snake-Boise Basin
Lower Boise Subbasin

LOCATION.--Lat 43°40'11", long 116°41'37" referenced to North American Datum of 1983, in SE ¼ NE ¼ SE ¼ sec.21, T.4 N., R.3 W., Canyon County, ID, Hydrologic Unit 17050114, Caldwell quad., at E Simplot Blvd crossing, about 500 ft east of Interstate 84, and at northwest edge of Caldwell.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May to November 2010; August 2012.

REMARKS.--In August 2012, a continuous water-quality monitor was installed for 24 hours. Additionally, a water-quality sample was collected and a flow measurement was completed. 15-minute values for temperature and dissolved oxygen are available on NWIS web.

The data provided for the 24-hour period between August 24 and August 25, 2012 are worked, checked, and reviewed in the same manner as all continuous data. However, daily minimum, maximum, and mean values are not computed for the 24-hour period because the data were collected over 24 hours that spanned two different days.

Periphyton data were also collected during the same timeframe when the continuous water-quality monitor was deployed on site. Those data are available on NWIS web.

WATER-QUALITY DATA

WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 1 of 5

[FNU, Formazin nephelometric units; LED, light-emitting diode; P, phosphorus; ft, feet; ft/s, feet per second; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data]

Sample date-time	Barometric pressure, mm Hg (00025)	Temperature, air, °C (00020)	Discharge, instantaneous, ft ³ /s (00061)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Floating algae mats, severity (01325)	Floating debris, severity (01345)	Floating garbage, severity (01320)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, µS/cm at 25°C (00095)
08-22-2012 1400	--	--	--	--	--	--	--	--	--
08-24-2012 1327	700	22.5	143	9.5	Mild	None	Mild	8.0	581

13211441 INDIAN CREEK AT SIMPLOT BOULEVARD AT CALDWELL, ID—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 2 of 5

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Sample date-time	Temperature, water, °C (00010)	Turbidity, water, unfiltered, monochrome near infrared LED light, 780-900 nm, detection angle 90 +/- 2.5 degrees, FNU (63680)	Detergent suds, severity (01305)	Odor, atmospheric, severity (01330)	Sample location, distance down-stream, ft (72104)	Stream width, ft (00004)	Turbidity, severity (01350)	Velocity at point in stream, ft/s (81904)
08-22-2012 1400	--	--	--	--	--	--	--	--
08-24-2012 1327	17.6	10	Serious	Mild	200.0	28.0	Serious	4.00

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 3 of 5

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Sample date-time	Number of sampling points, count (00063)	Sample purpose (71999)	Sample splitter type, field (84171)	Sampler type (84164)	Sampling method (82398)	Purpose, site visit (50280)
08-22-2012 1400	--	Routine	--	Periphyton nat sub	Periphyton NS RTH	Synoptic SW
08-24-2012 1327	10	Routine	CS p 8L cubtnr spgt	US DH-95 plastic	EWI	Fixed frequency SW

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 4 of 5

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Sample date-time	Transit rate, sampler, ft/s (50015)	Orthophosphate, water, filtered, mg/L as P (00671)	Phosphorus, water, filtered, mg/L as P (00666)	Phosphorus, water, unfiltered, mg/L as P (00665)	Biomass, periphyton, weight, grams per square meter (00572)	Chlorophyll a, periphyton, spectrophotometric method, corrected, milligrams per square meter (32223)	Pheophytin a, periphyton, spectrophotometric method, corrected, milligrams per square meter (32224)	Dead fish, severity (01340)	Oil and grease, severity (01300)
08-22-2012 1400	--	--	--	--	12.0	78.0	24.0	--	--
08-24-2012 1327	.2	.574	.58	.60	--	--	--	None	None

13211441 INDIAN CREEK AT SIMPLOT BOULEVARD AT CALDWELL, ID—Continued

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO
SEPTEMBER 2012**

Part 5 of 5

[FNU, Formazin nephelometric units; LED, light-emitting diode; P, phosphorus; ft, feet; ft/s, feet per second; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data]

Sample date-time	Suspended sediment, sieve diameter, percent smaller than 0.0625 mm (70331)	Suspended sediment concentration, mg/L (80154)
08-22-2012 1400	--	--
08-24-2012 1327	84	26