

Water-Data Report 2010

13203510 BOISE RIVER BELOW DIVERSION DAM NEAR BOISE, ID

Middle Snake-Boise Basin
Lower Boise Subbasin

LOCATION.--Lat 43°32'23", long 116°05'37" referenced to North American Datum of 1927, in SE ¼ SE ¼ NE ¼ sec.4, T.2 N., R.3 E., Ada County, ID, Hydrologic Unit 17050114, on right bank, 700 ft downstream from Diversion Dam, and 7.0 mi southeast of Boise.

DRAINAGE AREA.--2,694 mi², approximately. Mean elevation, 5,910 ft.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Continuous record, October 1986 to September 1994. Miscellaneous measurements, 1995, 1998-99, 2010 water years.

REMARKS.--Flow controlled by Diversion Dam 700 ft upstream from gage location. Measured as beginning site of Boise River seepage investigation in 2010 water year.

DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Date	Discharge, in ft³/s
Nov 5, 2009	218
Feb 8, 2010	240
May 25, 2010	2,410
Aug 3, 2010	1,770

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1990 to September 1991, October 1992 to September 2004, November 2005 to September 2008, July 2010.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: April to September 1997, February to September 1999 (discontinued).

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 18.4°C Sept. 16, 19-20, 1999.

WATER-QUALITY DATA

WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 1 of 7

[%, percent; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; <, less than; E, estimated; M, presence verified but not quantified]

Date	Sample start time	Barometric pressure, mm Hg (00025)	Temperature, air, °C (00020)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, µS/cm at 25 °C (00095)	Temperature, water, °C (00010)	Inorganic carbon, bed sediment, dry weight, percent (30241)	1,4-Dichlorobenzene, solids, recoverable, dry weight, micrograms per kilogram (63163)
07-26-2010	0757	685	24.5	9.1	94	6.2	67	12.4	< .01	< 30

WATER-QUALITY DATA

WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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[%, percent; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; <, less than; E, estimated; M, presence verified but not quantified]

Date	Atrazine, solids, recoverable, dry weight, micrograms per kilogram (63182)	Bromacil, solids, recoverable, dry weight, micrograms per kilogram (63189)	Camphor, solids, recoverable, dry weight, micrograms per kilogram (63192)	Carbazole, solids, recoverable, dry weight, micrograms per kilogram (63194)	Chlorpyrifos, solids, recoverable, dry weight, micrograms per kilogram (63195)	DEET, solids, recoverable, dry weight, micrograms per kilogram (63219)	Diazinon, solids, recoverable, dry weight, micrograms per kilogram (63198)	Metolachlor, solids, recoverable, dry weight, micrograms per kilogram (63218)	p-Cresol, solids, recoverable, dry weight, micrograms per kilogram (63222)	Prometon, solids, recoverable, dry weight, micrograms per kilogram (63226)
07-26-2010	< 60	< 300	< 30	< 30	< 30	< 60	< 30	< 30	< 150	< 30

13203510 BOISE RIVER BELOW DIVERSION DAM NEAR BOISE, ID—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 3 of 7

[%, percent; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; <, less than; E, estimated; M, presence verified but not quantified]

Date	1-Methylnaphthalene, solids, recoverable, dry weight, micrograms per kilogram (63165)	2,6-Dimethylnaphthalene, solids, recoverable, dry weight, micrograms per kilogram (63167)	2-Methylnaphthalene, solids, recoverable, dry weight, micrograms per kilogram (63168)	3-beta-Coprostanol, solids, recoverable, dry weight, micrograms per kilogram (63170)	3-Methyl-1H-indole, solids, recoverable, dry weight, micrograms per kilogram (63171)	3-tert-Butyl-4-hydroxyanisole, solids, recoverable, dry weight, micrograms per kilogram (63172)	4-Cumylphenol, solids, recoverable, dry weight, micrograms per kilogram (63173)	4-n-Octylphenol, solids, recoverable, dry weight, micrograms per kilogram (63174)	4-Nonylphenol (sum of all isomers), solids, recoverable, dry weight, micrograms per kilogram (63175)	4-Nonylphenol diethoxylate (sum of all isomers), solids, recoverable, dry weight, micrograms per kilogram (63200)
	07-26-2010	< 30	< 30	< 30	< 300	M	< 90	< 30	< 30	< 440

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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[%, percent; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; <, less than; E, estimated; M, presence verified but not quantified]

Date	4-Nonylphenol monoethoxylate (sum of all isomers), solids, recoverable, dry weight, micrograms per kilogram (63221)	4-tert-Octylphenol diethoxylate, solids, recoverable, dry weight, micrograms per kilogram (63201)	4-tert-Octylphenol monoethoxylate, solids, recoverable, dry weight, micrograms per kilogram (63206)	4-tert-Octylphenol, solids, recoverable, dry weight, micrograms per kilogram (63176)	9,10-Anthraquinone, solids, recoverable, dry weight, micrograms per kilogram (63181)	Acetophenone, solids, recoverable, dry weight, micrograms per kilogram (63178)	Acetylhexamethyl tetrahydro naphthalene, solids, recoverable, dry weight, micrograms per kilogram (63179)	Anthracene, solids, recoverable, dry weight, micrograms per kilogram (63180)	BDE 47, solids, recoverable, dry weight, micrograms per kilogram (63166)	Benzo[a]pyrene, solids, recoverable, dry weight, micrograms per kilogram (63183)
	07-26-2010	E 70	< 30	E 10	< 30	< 30	< 90	< 30	< 30	< 29.5

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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[%, percent; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; <, less than; E, estimated; M, presence verified but not quantified]

Date	Benzophenone, solids, recoverable, dry weight, micrograms per kilogram (63184)	beta-Sitosterol, solids, recoverable, dry weight, micrograms per kilogram (63185)	beta-Stigmastanol, solids, recoverable, dry weight, micrograms per kilogram (63186)	Bis(2-ethylhexyl) phthalate, solids, recoverable, dry weight, micrograms per kilogram (63187)	Bisphenol A, solids, recoverable, dry weight, micrograms per kilogram (63188)	Cholesterol, solids, recoverable, dry weight, micrograms per kilogram (63196)	Diethyl phthalate, solids, recoverable, dry weight, micrograms per kilogram (63202)	D-Limonene, solids, recoverable, dry weight, micrograms per kilogram (63203)	Fluoranthene, solids, recoverable, dry weight, micrograms per kilogram (63208)	Hexahydroexamethyl cyclopentabenzopyran, solids, recoverable, dry weight, micrograms per kilogram (63209)
07-26-2010	< 30	< 350	< 300	< 150	< 30	E 500	< 60	< 30	< 30	< 30

WATER-QUALITY DATA
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[%, percent; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; <, less than; E, estimated; M, presence verified but not quantified]

Date	Indole, solids, recoverable, dry weight, micrograms per kilogram (63210)	Isoborneol, solids, recoverable, dry weight, micrograms per kilogram (63211)	Isophorone, solids, recoverable, dry weight, micrograms per kilogram (63212)	Isopropylbenzene, solids, recoverable, dry weight, micrograms per kilogram (63213)	Isoquinoline, solids, recoverable, dry weight, micrograms per kilogram (63214)	Menthol, solids, recoverable, dry weight, micrograms per kilogram (63215)	Naphthalene, solids, recoverable, dry weight, micrograms per kilogram (63220)	Phenanthrene, solids, recoverable, dry weight, micrograms per kilogram (63224)	Phenol, solids, recoverable, dry weight, micrograms per kilogram (63225)	Pyrene, solids, recoverable, dry weight, micrograms per kilogram (63227)
07-26-2010	E 20	< 30	< 30	< 60	< 60	< 30	< 30	< 30	< 30	< 30

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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[%, percent; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; <, less than; E, estimated; M, presence verified but not quantified]

Date	Tributyl phosphate, solids, recoverable, dry weight, micrograms per kilogram (63231)	Triclosan, solids, recoverable, dry weight, micrograms per kilogram (63232)	Triphenyl phosphate, solids, recoverable, dry weight, micrograms per kilogram (63234)	Tris(2-butoxyethyl) phosphate, solids, recoverable, dry weight, micrograms per kilogram (63229)	Tris(2-chloroethyl) phosphate, solids, recoverable, dry weight, micrograms per kilogram (63230)	Tris(dichloroisopropyl) phosphate, solids, recoverable, dry weight, micrograms per kilogram (63235)	Organic carbon, bed sediment, percent (30243)
07-26-2010	< 30	< 88.3	< 30	< 90	< 60	< 60	.14