Water-Data Report 2013

05464480 Cedar River at Edgewood Road at Cedar Rapids, IA

Iowa Basin
Middle Cedar Subbasin

LOCATION.--Lat 42°00′42″, long 91°42′17″ referenced to North American Datum of 1927, in SW ¼ NW ¼ SE ¼ sec.7, T.83 N., R.7 W., Linn County, IA, Hydrologic Unit 07080205, at bridge on Edgewood Road in Cedar Rapids, 2.6 mi downstream from Morgan Creek, and 88.9 mi upstream from mouth.

DRAINAGE AREA.--6,489 mi^2.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1993 to current year. Period of record includes water-quality data published in USGS annual reports and various project reports.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 1 of 7

[$CaCO_3$, calcium carbonate; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Sample date-time	Barometric pressure, mm Hg (00025)	Tempera-ture, air, °C (00020)	Dissolved oxygen, water, unfiltered, mg/L (00300)	pH, water, unfiltered, field, standard units (00400)	pH, water, unfiltered, laboratory, standard units (00403)	Specific conduc-tance, water, unfiltered, laboratory, µS/cm at 25°C (90095)	Specific conduc-tance, water, unfiltered, µS/cm at 25°C (00095)	Tempera-ture, water, °C (00010)	Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676)
11-29-2012 1035	744	4.7	17.5	9.3	8.1	538	524	1.3	8.8
05-30-2013 1220	--	--	7.7	7.6	7.8	345	350	17.1	--
08-13-2013 1125	--	--	874	8.5	8.5	522	520	--	--

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 05464480, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/05464480.2013.pdf

05464480 Cedar River at Edgewood Road at Cedar Rapids, IA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 2 of 7

[$CaCO_3$, calcium carbonate; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Sample date-time	alpha-HCH-d6, surrogate, Schedule 1379, water, filtered, percent recovery (90505)	Diazinon-d10, surrogate, Schedule 1379, water, filtered, percent recovery (90670)	Dissolved solids dried at 180°C, water, filtered, mg/L (70300)	Calcium, water, filtered, mg/L (00915)	Magne-sium, water, filtered, mg/L (00925)	Potassium, water, filtered, mg/L (00935)	Sodium, water, filtered, mg/L (00930)	Alkalinity, water, filtered, inflection-point, incremental titration method, field, mg/L as $CaCO_3$ (39086)	Bicarbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00453)
11-29-2012 1035	83.7	63.4	288	59.3	23.6	2.73	21.9	187	224
05-30-2013 1220	83.3	59.9	218	44.4	11.1	3.29	4.11	94.5	115
08-13-2013 1125	85.9	61.8	307	71.5	20.7	2.34	9.02	197	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 3 of 7

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Sample date-time	Bromide, water, filtered, mg/L (71870)	Carbonate, water, filtered, inflection-point incremental titration method, field, mg/L (00452)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Silica, water, filtered, mg/L as SiO_2 (00955)	Sulfate, water, filtered, mg/L (00945)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrite, water, filtered, mg/L as N (00613)
11-29-2012 1035	E .040	2.0	34.8	0.16	0.312	40.3	< .010	2.31	0.015
05-30-2013 1220	.023	.1	14.7	.24	10.7	14.5	.089	10.0	.085
08-13-2013 1125	.040	--	20.8	.23	11.5	32.5	< .010	5.67	.019

05464480 Cedar River at Edgewood Road at Cedar Rapids, IA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
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Sample date-time	Orthophosphate, water, filtered, mg/L as P (00671)	Escherichia coli, Defined Substrate Technology, water, MPN/100 mL (50468)	Total coliform, Defined Substrate Technology, water, MPN/100 mL (50569)	Iron, water, filtered, µg/L (01046)	Manganese, water, filtered, µg/L (01056)	Boron, water, filtered, µg/L (01020)	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, µg/L (04040)	2-Chloro-6-ethylamino-4-amino-s-triazine, water, filtered, recoverable, µg/L (04038)	Acetochlor, water, filtered, recoverable, µg/L (49260)
11-29-2012 1035	< .004	2	460	< 4.0	16.8	36	0.07	0.02	0.04
05-30-2013 1220	.179	31,000	82,000	59.6	9.62	16	.31	.19	1.86
08-13-2013 1125	.045	18	12,000	< 4.0	7.77	27	.06	< .05	.05

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 5 of 7

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Sample date-time	Alachlor, water, filtered, recoverable, µg/L (46342)	Ametryn, water, filtered, recoverable, µg/L (38401)	Atrazine, water, filtered, recoverable, µg/L (39632)	Bromacil, water, filtered, recoverable, µg/L (04029)	Butachlor, water, filtered, recoverable, µg/L (04026)	Butylate, water, filtered, recoverable, µg/L (04028)	Carboxin, water, filtered, recoverable, µg/L (04027)	Cyanazine, water, filtered, recoverable, µg/L (04041)	Cycloate, water, filtered, recoverable, µg/L (04031)
11-29-2012 1035	< .05	< .05	0.33	< .05	< .05	< .05	< .05	< .20	< .05
05-30-2013 1220	.05	< .05	2.65	< .05	< .05	< .05	--	< .20	< .05
08-13-2013 1125	< .05	< .05	.48	< .05	< .05	< .05	< .05	< .20	< .05

05464480 Cedar River at Edgewood Road at Cedar Rapids, IA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 6 of 7

[$CaCO_3$, calcium carbonate; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Sample date-time	Diphenamid, water, filtered, recoverable, µg/L (04033)	Hexazinone, water, filtered, recoverable, µg/L (04025)	Metolachlor, water, filtered, recoverable, µg/L (39415)	Metribuzin, water, filtered, recoverable, µg/L (82630)	Prometon, water, filtered, recoverable, µg/L (04037)	Prometryn, water, filtered, recoverable, µg/L (04036)	Propachlor, water, filtered, recoverable, µg/L (04024)	Propazine, water, filtered, recoverable, µg/L (38535)	Simazine, water, filtered, recoverable, µg/L (04035)
11-29-2012 1035	< .05	< .05	0.09	< .05	< .05	< .05	< .05	< .05	< .05
05-30-2013 1220	< .05	< .05	.96	.05	< .05	< .05	< .05	.08	.07
08-13-2013 1125	< .05	< .05	.44	< .05	.04	< .05	< .05	< .05	< .05

WATER-QUALITY DATA
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Part 7 of 7

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Sample date-time	Simetryn, water, filtered, recoverable, µg/L (04030)	Terbacil, water, filtered, recoverable, µg/L (04032)	Trifluralin, water, filtered, recoverable, µg/L (04023)	Vernolate, water, filtered, recoverable, µg/L (04034)	Organic carbon, water, filtered, mg/L (00681)
11-29-2012 1035	< .05	< .05	< .05	< .05	2.13
05-30-2013 1220	< .05	< .05	< .05	< .05	4.74
08-13-2013 1125	< .05	< .05	< .05	< .05	3.05