



Water-Data Report 2009

0534055950 ST. CROIX RIVER AT KNAPP CAVE BELOW OSCEOLA, WI

St. Croix Basin
Lower St. Croix Subbasin

LOCATION.--Lat 45°17'08.8", long 92°45'47.1" referenced to North American Datum of 1983, Polk County, Hydrologic Unit 07030005.

WATER-QUALITY RECORDS

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 1 of 4

[Remark codes: <, less than; E, estimated.]

Date	Time	Medium name	Barometric pressure, mm Hg (00025)	Temperature, air, deg C (00020)	Instantaneous discharge, ft ³ /s (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specific conductance, wat unfltrd lab, μS/cm @ 25 degC (90095)	Specific conductance, wat unfltrd lab, μS/cm @ 25 degC (00095)
May 19...	1230	Surface water	746	18.0	4,040	8.6	7.6	7.9	172	171

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 2 of 4

[Remark codes: <, less than; E, estimated.]

Date	Temperature, water, deg C (00010)	Stream width, feet (00004)	Velocity at point in stream, ft/s (81904)	Number of sampling points, count (00063)	Sample purpose code (71999)	Dissolved solids dried @ 180degC, wat flt mg/L (70300)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Chloride, water, fltrd, mg/L (00940)
May 19...	16.5	380	1.52	10	Routine	117	21.8	6.92	1.10	3.92	5.33

0534055950 ST. CROIX RIVER AT KNAPP CAVE BELOW OSCEOLA, WI—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 3 of 4

[Remark codes: <, less than; E, estimated.]

Date	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)	Amm-onia + org-N, water, unfltrd, mg/L as N (00625)	Amm-onia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L as P (00666)	Phos-phorus, water, unfltrd, mg/L as P (00665)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	Total nitro-gen, wat unf by anal ysis, mg/L (62855)	Iron, water, fltrd, µg/L (01046)
May 19...	E.07	8.16	3.65	.57	<.020	.158	.003	.009	.017	.038	.73	.71	383

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 4 of 4

[Remark codes: <, less than; E, estimated.]

Date	Manganese, water, fltrd, µg/L (01056)
May 19...	19.4