

Water-Data Report 2009

05338955 WOOD RIVER @ NORTH WILLIAMS ROAD NR GRANTSBURG, WI

St. Croix Basin
Lower St. Croix Subbasin

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 2008 to current year.

PERIOD OF DAILY RECORD.--March 2008 to current year.

REMARKS.--Upper Mississippi River Basin nutrient enrichment (NEET) study sampling site. The objectives of this study are to determine the transport, chemical transformation, and retention of nutrients in the water column and surrounding sediments, and resulting effects on biological communities in stream reaches. Such cycling differs in different geologic and hydrologic settings, and is controlled, in large part, by ground-water and surface-water interactions. The study will be conducted from 2006 to 2009. Temperature records considered fair from July 1, 0745 hrs to August 20, 1400 hrs, and good for the rest of the period of record. Temperatures were checked with a thermometer periodically during period of record. Accuracy of records of water temperatures at sensor are within 1.0 C., although published to within 0.5 C.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 26.0 C, July 29, 2008; maximum daily, 24.0 C, April 11, 2008; minimum, 0.0 C, March 28, 2008; minimum daily, 1.0 C, April 11, 2008.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 26.0 C, July 29; maximum daily, 24.0 C, April 11; minimum, 0.0 C, March 28; minimum daily, 1.0 C, April 11.

05338955 WOOD RIVER @ NORTH WILLIAMS ROAD NR GRANTSBURG, WI—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	13.5	11.0	12.5	---	---	---	---	---	---	---	---	---
2	13.0	11.0	12.0	---	---	---	---	---	---	---	---	---
3	12.5	9.5	11.5	---	---	---	---	---	---	---	---	---
4	12.0	9.0	11.0	---	---	---	---	---	---	---	---	---
5	12.0	10.0	11.0	---	---	---	---	---	---	---	---	---
6	13.5	11.0	12.5	---	---	---	---	---	---	---	---	---
7	13.0	12.0	12.5	---	---	---	---	---	---	---	---	---
8	13.0	10.0	11.5	---	---	---	---	---	---	---	---	---
9	12.5	9.5	11.0	---	---	---	---	---	---	---	---	---
10	11.5	10.0	10.5	---	---	---	---	---	---	---	---	---
11	14.5	10.5	12.0	---	---	---	---	---	---	---	---	---
12	15.0	13.5	14.0	---	---	---	---	---	---	---	---	---
13	15.0	12.0	14.0	---	---	---	---	---	---	---	---	---
14	12.0	9.5	11.0	---	---	---	---	---	---	---	---	---
15	11.5	9.5	10.5	---	---	---	---	---	---	---	---	---
16	10.0	7.5	9.0	---	---	---	---	---	---	---	---	---
17	10.5	8.0	9.5	---	---	---	---	---	---	---	---	---
18	10.5	8.0	9.5	---	---	---	---	---	---	---	---	---
19	11.0	8.5	10.0	---	---	---	---	---	---	---	---	---
20	11.0	9.0	10.0	---	---	---	---	---	---	---	---	---
21	9.0	6.0	8.0	---	---	---	---	---	---	---	---	---
22	8.5	7.5	7.5	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

05338955 WOOD RIVER @ NORTH WILLIAMS ROAD NR GRANTSBURG, WI—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 1 of 2

Date	Time	Medium name	Baro- metric pres- sure, mm Hg (00025)	Temper- ature, deg C (00020)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf lab, µS/cm @ 25 degC (90095)	Specif- ic conduc- tance, wat unf lab, µS/cm @ 25 degC (00095)	Temper- ature, deg C (00010)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)
Oct										
23...	0830	Surface water	747	5.5	8.1	7.8	268	261	7.5	8.1
23...	0900	Benthic invertebrates	--	5.5	9.9	7.8	--	261	7.5	--
23...	0901	Plant tissue	--	5.5	9.9	7.8	--	261	7.5	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 2

Date	Number of sam- pling points, count (00063)	Sampler type, code (84164)	Ammonia 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- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L as P (00665)	Sus- pended sedi- ment concen- tration mg/L (80154)
Oct								
23...	10	Grab sample	.089	.325	.015	.020	.080	8
23...	5	Benthic net	--	--	--	--	--	--
23...	5	Periphyton substrate	--	--	--	--	--	--