



Water-Data Report 2006

**05355251 MISSISSIPPI RIVER AT MILE 788 NEAR RED WING, MN**

Upper Mississippi-Black-Root Basin  
Rush-Vermillion Subbasin

LOCATION.--Lat 44°34'02", long 92°29'13" referenced to North American Datum of 1983, Goodhue County, MN, Hydrologic Unit 07040001.

**WATER-QUALITY RECORDS**

REMARKS.--The Mississippi River Longitudinal Study is an integrated chemical and biological investigation of stream-bed sediment and multiple fish species at approximately 41 sites along the Mississippi River from Bemidji, Minn. to Winona, Wisc. during June and July, 2006. The objective of this integrated chemical and biological study is to determine concentrations of selected compounds in stream-bed sediment. Stream-bed sediment samples were collected and analyzed using established USGS techniques.

COOPERATION.--Minnesota Pollution Control Agency, St. Cloud State University, USGS National Research Program.

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 1 of 5

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Time	Sample type	1,4-Di-chloro-benzene solids, ug/kg (63163)	1-Methyl-naphthalene solids, ug/kg (63165)	2,6-Di-methyl-naphthalene solids, ug/kg (63167)	2-Methyl-naphthalene solids, ug/kg (63168)	3-beta-Copros-tanol, solids, ug/kg (63170)	3-Methyl-1H-indole, solids, ug/kg (63171)	3-tert-Butyl-4-hydroxy-anisole solids, ug/kg (63172)	4-Cumyl-phenol, solids, ug/kg (63173)	4-n-Octyl-phenol, solids, ug/kg (63174)	4-Nonyl-phenol, solids, ug/kg (63175)
Jul 17...	1030	Bed material	<30	<30	<30	<30	E80	M	<90	<30	<30	<450

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 2 of 5

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Date	4-tert-Octyl-phenol, solids, ug/kg (63176)	9,10-Anthra-quinone solids, ug/kg (63181)	Aceto-phenone solids, ug/kg (63178)	Acetyl hexaMe tetraH naphthalene, solids, ug/kg (63179)	Anthra-cene, solids, ug/kg (63180)	Atra-zine, solids, ug/kg (63182)	BDE congenr 47, solids, ug/kg (63166)	Benzo-[a]-pyrene, solids, ug/kg (63183)	Benzo-phenone, solids, ug/kg (63184)	beta-Sito-sterol, solids, ug/kg (63185)	beta-Stigma-sterol, solids, ug/kg (63186)	Bis(2-ethyl-hexyl) phthal-ate, solids, ug/kg (63187)	A-d3, surrog Sch WCS pct rcv (90735)
Jul 17...	<30	E19	E20	<30	E10	<60	E4.3	E40	<30	E480	E200	<150	21

## 05355251 MISSISSIPPI RIVER AT MILE 788 NEAR RED WING, MN—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 3 of 5

[Remark codes: &lt;, less than; E, estimated; M, presence verified but not quantified.]

Date	Brom- acil, solids, ug/kg (63189)	Camphor solids, ug/kg (63192)	Car- bazole, solids, ug/kg (63194)	Chlor- pyrifos solids, ug/kg (63195)	Chol- esterol solids, ug/kg (63196)	Deca- fluoro- bi- phenyl, surrog, Sch WCS pct rcv (90737)	DEET, solids, ug/kg (63219)	Di- azinon, solids, ug/kg (63198)	Di- ethoxy- nonyl- phenol, solids, ug/kg (63200)	Di- ethoxy- octyl- phenol, solids, ug/kg (63201)	Di- ethyl phthal- ate, solids, ug/kg (63202)	D-Li- monene, solids, ug/kg (63203)	Ethoxy- octyl- phenol, solids, ug/kg (63206)
Jul 17...	<300	<30	M	<30	E550	34	<60	<30	<600	<30	<60	<30	<150

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 4 of 5

[Remark codes: &lt;, less than; E, estimated; M, presence verified but not quantified.]

Date	Fluoran thene, solids, ug/kg (63208)	Fluor- an- thene- d10, surrog, Sch WCS pct rcv (90738)	HHCB, solids, ug/kg (63209)	Indole, solids, ug/kg (63210)	Iso- borneol solids, ug/kg (63211)	iso- phorone solids, ug/kg (63212)	Iso- propyl- benzene solids, ug/kg (63213)	Isoquin oline, solids, ug/kg (63214)	Menthol solids, ug/kg (63215)	Metola- chlor, solids, ug/kg (63218)	Mono- ethoxy- nonyl- phenol, solids, ug/kg (63221)	Naphth- alene, solids, ug/kg (63220)	p- Cresol, solids, ug/kg (63222)
Jul 17...	70	98	<30	E20	<30	<30	<60	<60	<30	<30	<300	E20	E30

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 5 of 5

[Remark codes: &lt;, less than; E, estimated; M, presence verified but not quantified.]

Date	Phenan- threne, solids, ug/kg (63224)	Phenol, solids, ug/kg (63225)	Pro- meton, solids, ug/kg (63226)	Pyrene, solids, ug/kg (63227)	Tributy phos- phate, solids, ug/kg (63231)	Tri- closan, solids, ug/kg (63232)	Tri- phenyl phos- phate, solids, ug/kg (63234)	Tris(2- butoxy- ethyl) phos- phate, solids, ug/kg (63229)	Tris(2- chloro- ethyl) phos- phate, solids, ug/kg (63230)	Tris- (diCl- i-Pr) phos- phate, solids, ug/kg (63235)	Data base number
Jul 17...	E40	E80	<30	60	<30	<30.0	<30	<90	<60	<60	01