



Water-Data Report 2006

05380590 MISSISSIPPI R. AT LOCK AND DAM 7 NEAR LA CRESCENT

Upper Mississippi-Black-Root Basin
La Crosse-Pine Subbasin

LOCATION.--Lat 43°51'46", long 91°18'24" referenced to North American Datum of 1983, Winona County, MN, Hydrologic Unit 07040006.

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-Coprostanol 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 20...	1145	Bed material	<35	<40	E10	M	E100	M	<100	<40	<40	<520

**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-Anthraquinone solids, ug/kg (63181)	Acetophenone solids, ug/kg (63178)	Acetyl hexaMe tetraH naphthalene solids, ug/kg (63179)	Anthracene solids, ug/kg (63180)	Atrazine 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-Sitosterol solids, ug/kg (63185)	beta-Stigmasterol solids, ug/kg (63186)	Bis(2-ethyl-hexyl) phthalate solids, ug/kg (63187)	A-d3, surrog Sch WCS pct rcv (90735)
Jul 20...	<40	E19	E10	<40	E10	<70	<35.0	E20	<40	E5,700	E1,400	<180	78

05380590 MISSISSIPPI R. AT LOCK AND DAM 7 NEAR LA CRESCENT—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 5

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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	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)
						surrog, pct rcv (90737)							
Jul 20...	<350	<40	M	<40	E420	8.8	<70	<40	<700	<40	<70	<40	<180

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 4 of 5

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Date	Fluoran- thene, solids, ug/kg (63208)	Fluor- an- thene- d10, surrog, Sch WCS	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)	Metho- 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)
		pct rcv (90738)											
Jul 20...	60	99	<40	120	<40	M	<70	<70	<40	<40	<350	E10	E30

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 5 of 5

[Remark codes: <, 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)
					phate, solids, ug/kg (63231)					
Jul 20...	E30	E250	<40	E50	<40	<35.0	<40	<100	<70	<70