



Water-Data Report 2006

05213600 MISSISSIPPI RIVER NEAR PHILBIN, MN

Mississippi Headwaters Basin
Prairie-Willow Subbasin

LOCATION.--Lat 47°07'52", long 93°24'19" referenced to North American Datum of 1983, Itasca County, MN, Hydrologic Unit 07010103.

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)
Jun 29...	1430	Bed material	<30	<30	M	<30	E80	E20	<90	<30	<30	<450

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

Part 2 of 5

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

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-stanol, solids, ug/kg (63186)	Bis(2-ethyl-hexyl) phthal-ate, solids, ug/kg (63187)	A-d3, surrog Sch WCS pct rcv (90735)
Jun 29...	<30	<30	E10	<30	<30	<60	<30.0	M	<30	E1,400	E390	<150	82

05213600 MISSISSIPPI RIVER NEAR PHILBIN, MN—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 5

[Remark codes: <, 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)
Jun 29...	<300	<30	<30	<30	E600	20	<60	<30	<600	<30	<60	<30	<150

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 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)
Jun 29...	E20	77	<30	E20	<30	<30	<60	<60	<30	<30	<300	<30	200

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)
Jun 29...	<30	E60	<30	E10	<30	<30.0	<30	<90	<60	<60