



Water-Data Report 2006

05289900 MISSISSIPPI RIVER ABV MINNESOTA R. AT FT. SNELLING

Upper Mississippi-Crow-Rum Basin
Twin Cities Subbasin

LOCATION.--Lat 44°53'46", long 93°11'19" referenced to North American Datum of 1983, Hennepin County, MN, Hydrologic Unit 07010206.

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 12...	1349	Bed material	<35	<40	<40	<40	<350	M	<100	<40	<40	E150

**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-sterol, solids, ug/kg (63186)	Bis(2-ethyl-hexyl) phthal-ate, solids, ug/kg (63187)	A-d3, surrog Sch WCS pct rcv (90735)
Jul 12...	<40	E21	<100	<40	E20	<70	<35.0	E40	<40	E220	E60	<180	33

05289900 MISSISSIPPI RIVER ABV MINNESOTA R. AT FT. SNELLING—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 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 12...	<350	<40	M	<40	E330	35	<70	<40	E340	<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 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 12...	100	112	<40	<70	<40	<40	<70	<70	<40	<40	E180	<40	E40

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)	Data base number
Jul 12...	50	<40	<40	80	<40	<35.0	<40	<100	<70	<70	01