



Water-Data Report 2006

05330990 MISSISSIPPI RIVER AT I-35E BRIDGE IN ST. PAUL, MN

Upper Mississippi-Crow-Rum Basin
Twin Cities Subbasin

LOCATION.--Lat 44°54'12", long 93°08'25" referenced to North American Datum of 1983, Ramsey 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-naphth-alene solids, ug/kg (63165)	2,6-Di-methyl-naphth-alene solids, ug/kg (63167)	2-Methyl-naphth-alene solids, ug/kg (63168)	3-beta-Copros-tanol solids, ug/kg (63170)	3-Methyl-1H-indole solids, ug/kg (63171)	3-tert-Butyl-4-hy-droxy-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 13...	0915	Bed material	<20	<20	M	<20	E60	M	<60	<20	<20	<300

**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 naphth-alene 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 13...	<20	<20	<60	<20	M	<40	<20.0	M	<20	E640	E230	<100	79

05330990 MISSISSIPPI RIVER AT I-35E BRIDGE IN ST. PAUL, MN—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 13...	<200	<20	<20	<20	E360	27	<40	<20	<400	<20	E10	<20	<100

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 13...	E20	77	<20	<40	<20	<20	<40	<40	<20	<20	M	<20	E60

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 13...	E10	E70	<20	E10	<20	<20.0	<20	<60	<40	<40	01