05227510 MISSISSIPPI RIVER BELOW CO. HWY. 1 IN AITKIN, MN

Mississippi Headwaters Basin
Prairie-Willow Subbasin

LOCATION.--Lat 46°32′23″, long 93°43′14″ referenced to North American Datum of 1983, Aitkin 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-Dichlorobenzene solids, ug/kg (63163)	1-Methylnaphthalene, solids, ug/kg (63165)	2,6-Dimethylnaphthalene, solids, ug/kg (63167)	2-Methylnaphthalene, solids, ug/kg (63168)	3-beta-Coprostanol, solids, ug/kg (63170)	3-Methyl-1H-indole, solids, ug/kg (63171)	3-tert-Butyl-4-hydroxyanisole solids, ug/kg (63172)	4-Cumylphenol, solids, ug/kg (63173)	4-n-Octylphenol, solids, ug/kg (63174)	4-Nonylphenol, solids, ug/kg (63175)
Jul 05...	1135	Bed material	<25	<20	M	<20	E40	E20	<80	<20	<20	<380

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 2 of 5
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Date	4-tert-Octylphenol, 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)	Benzophenone solids, ug/kg (63184)	beta-Sitosterol, solids, ug/kg (63185)	beta-Stigmastanol, solids, ug/kg (63186)	Bis(2-ethylhexyl) phthalate, solids, ug/kg (63187)	A-d3, surrog, Sch WCS pct rcv (90735)
Jul 05...	<20	<25	E20	<20	<20	<50	<25.0	<20	<20	E1,000	E500	<120	102

05227510 MISSISSIPPI RIVER BELOW CO. HWY. 1 IN AITKIN, 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	Bromacil, solids, ug/kg (63189)	Camphor solids, ug/kg (63192)	Carbazole, solids, ug/kg (63194)	Chlorpyrifos solids, ug/kg (63195)	Cholesterol solids, ug/kg (63196)	Decafluorobiphenyl, surrog, Sch WCS pct rcv (90737)	DEET, solids, ug/kg (63219)	Diazinon, solids, ug/kg (63198)	Diethoxynonylphenol, solids, ug/kg (63200)	Diethoxyoctylphenol, solids, ug/kg (63201)	Diethyl phthalate, solids, ug/kg (63202)	D-Limonene, solids, ug/kg (63203)	Ethoxyoctylphenol, solids, ug/kg (63206)
Jul 05...	<250	<20	<20	<20	E550	20	<50	<20	<500	<20	<50	<20	<120

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 4 of 5
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Fluoranthene, solids, ug/kg (63208)	Fluoranthene-d10, surrog, Sch WCS pct rcv (90738)	HHCB, solids, ug/kg (63209)	Indole, solids, ug/kg (63210)	Isoborneol solids, ug/kg (63211)	isophorone solids, ug/kg (63212)	Isopropylbenzene solids, ug/kg (63213)	Isoquinoline, solids, ug/kg (63214)	Menthol solids, ug/kg (63215)	Metolachlor, solids, ug/kg (63218)	Monoethoxynonylphenol, solids, ug/kg (63221)	Naphthalene, solids, ug/kg (63220)	p-Cresol, solids, ug/kg (63222)
Jul 05...	<20	84	<20	E20	<20	<20	<50	<50	<20	<20	<250	<20	180

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	Phenanthrene, solids, ug/kg (63224)	Phenol, solids, ug/kg (63225)	Prometon, solids, ug/kg (63226)	Pyrene, solids, ug/kg (63227)	Tributy phosphate, solids, ug/kg (63231)	Triclosan, solids, ug/kg (63232)	Triphenyl phosphate, solids, ug/kg (63234)	Tris(2-butoxyethyl) phosphate, solids, ug/kg (63229)	Tris(2-chloroethyl) phosphate, solids, ug/kg (63230)	Tris-(diCl-i-Pr) phosphate, solids, ug/kg (63235)	Data base number
Jul 05...	<20	E110	<20	<20	<20	<25.0	<20	<80	<50	<50	01