



Water-Data Report 2007

402302083254100 Powder Lick near Somersville, OH

Scioto Basin
Upper Scioto Subbasin

LOCATION.--Lat 40°23'02", long 83°25'41" referenced to North American Datum of 1983, Union County, OH, Hydrologic Unit 05060001.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December of 2005 to October of 2006

REMARKS.--The water quality samples described in the following table were collected and analyzed as part of a study on emerging contaminants in the Scioto River Basin, central Ohio. The objective of the study is to characterize the occurrence and concentrations of wastewater compounds at the selected sites.

For this station on Aug. 22, 2006 in the 2006 water data report, the remark code for the DEET (62082) result has been changed to V (analyte was detected in both the environmental sample and the associated blank).

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 1 of 6

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

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd std units (00400)	Specific conductance, wat unfiltered, μ S/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	1,4-Dichloro-benzene, water, fltrd, μ g/L (34572)	1-Methylnaphthalene, water, fltrd, μ g/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, μ g/L (62055)	2-Methylnaphthalene, water, fltrd, μ g/L (62056)	3-beta-Coprostanol, water, fltrd, μ g/L (62057)
Oct 18...	0930	11	735	7.5	7.7	407	11.5	12.4	<.1	<.1	<.2	<.1	<2

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 2 of 6

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

Date	3-Methyl-1H-indole, water, fltrd, μ g/L (62058)	3-tert-Butyl-4-hydroxyanisole, wat flt, μ g/L (62059)	4-Cumyl-phenol, water, fltrd, μ g/L (62060)	4-Octyl-phenol, water, fltrd, μ g/L (62061)	4-Nonyl-phenol, all isomers, wat flt, μ g/L (62085)	4-Nonyl-phenol, di-ethoxylate, wat flt, μ g/L (62083)	4-Octyl-phenol, di-ethoxylate, wat flt, μ g/L (61705)	4-Octyl-phenol, mono-ethoxylate, wat flt, μ g/L (61706)	4-tert-Octyl-phenol, water, fltrd, μ g/L (62062)	5-Methyl-1H-benzotriazole, wat flt, μ g/L (62063)	9,10-Anthraquinone, water, fltrd, μ g/L (62066)	Acetophenone, water, fltrd, μ g/L (62064)	AHTN, water, fltrd, μ g/L (62065)
Oct 18...	<.08	<.6	<.14	<.16	<2	<5	<1	<1	<.10	<2	<.2	<.1	<.5

402302083254100 Powder Lick near Somersville, OH—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 6

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

Date	Anthra- cene, water, fltrd, µg/L (34221)	Benzo- [a]- pyrene, water, fltrd, µg/L (34248)	Benzo- phenone, water, fltrd, µg/L (62067)	beta- Sitos- terol, water, fltrd, µg/L (62068)	beta- Stigmas tanol, water, fltrd, µg/L (62086)	Broma- cil, water, fltrd, µg/L (04029)	Caf- feine, water, fltrd, µg/L (50305)	Camphor water, fltrd, µg/L (62070)	Car- baryl, water, fltrd, 0.7u GF µg/L (82680)	Carba- zole, water, fltrd, µg/L (62071)	Chlor- pyrifos water, fltrd, µg/L (38933)	Choles- terol, water, fltrd, µg/L (62072)	Cot- inine, water, fltrd, µg/L (62005)
Oct 18...	<.1	<.1	<.2	E1	<2	<.4	<.2	E.1	<1	<.1	<.2	<1	<.400

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 4 of 6

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

Date	DEET, water, fltrd, µg/L (62082)	Diazi- non, water, fltrd, µg/L (39572)	D-Limo- nene, water, fltrd, µg/L (62073)	Fluor- anthene water, fltrd, µg/L (34377)	HHCB, water, fltrd, µg/L (62075)	Indole, water, fltrd, µg/L (62076)	Isobor- neol, water, fltrd, µg/L (62077)	Iso- phorone water, fltrd, µg/L (34409)	Iso- propyl- benzene water, fltrd, µg/L (62078)	Iso- quin- oline, water, fltrd, µg/L (62079)	Menthol water, fltrd, µg/L (62080)	Meta- laxyl, water, fltrd, µg/L (50359)	Methyl salicy- late, water, fltrd, µg/L (62081)
Oct 18...	<.2	<.2	<.1	<.1	<.5	<.1	<.1	M	<.1	<.4	<.2	<.2	<.2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 5 of 6

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

Date	Metola- chlor, water, fltrd, µg/L (39415)	Naphth- alene, water, fltrd, µg/L (34443)	p- Cresol, water, fltrd, µg/L (62084)	Phenan- threne, water, fltrd, µg/L (34462)	Phenol, water, fltrd, µg/L (34466)	Prome- ton, water, fltrd, µg/L (04037)	Pyrene, water, fltrd, µg/L (34470)	Tetra- chloro- ethene, water, fltrd, µg/L (34476)	Tri- bromo- methane water, fltrd, µg/L (34288)	Tri- butyl phos- phate, water, fltrd, µg/L (62089)	Triclo- san, water, fltrd, µg/L (62090)	Tri- ethyl citrate water, fltrd, µg/L (62091)	Tri- phenyl phos- phate, water, fltrd, µg/L (62092)
Oct 18...	E.1	<.1	M	<.1	<.4	<.4	<.1	<.2	<.1	<.2	<.2	<.4	<.2

402302083254100 Powder Lick near Somersville, OH—Continued

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO
SEPTEMBER 2007**

Part 6 of 6

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

Date	Tris(2-butoxyethyl) phosphate, wat fit µg/L (62093)	Tris(2-chloroethyl) phosphate, wat fit µg/L (62087)	Tris(di-chloro-i-Pr) phosphate, wat fit µg/L (62088)
Oct			
18...	<.5	<.2	<.2