

## DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the U.S. Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

## Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. At a few of these stations crest stages are determined from continuous water-stage recorder graphs. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water year 2004.

Station number	Station name	Location	Drainage area (mi <sup>2</sup> )	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
<b><u>BEARGRASS CREEK BASIN</u></b>							
03293200	Middle Fork Beargrass Creek at Beals Branch Road at Louisville, Ky.	Lat 38°14'32", long 85°41'57", Jefferson County, Hydrologic Unit 05140101, at bridge on Beals Branch Road at Louisville, Ky., and at mile 1.5	22.7	†2004	07-10-04	10.12	2400
<b><u>SALT RIVER BASIN</u></b>							
03297980	Long Run near Fisherville, Ky.	Lat 38°13'10", long 85°26'56", Jefferson County, Hydrologic Unit 05140101, at bridge on State Highway 1531 near Fisherville, Ky., 0.7 mi below South Long Run and at mile 2.4.	22.5	†2004	05-28-04	8.73	3570
03298100	Pope Lick at Pope Lick Road near Middletown, Ky.	Lat 38°13'09", long 85°31'07", Jefferson County, Hydrologic Unit 05140102, at culvert on Pope Lick Road near Middletown, Ky. and at mile 3.2.	2.9	†2004	05-28-04	7.82	343

Annual maximum discharge at crest-stage partial-record stations during water year 2004.--*Continued*

Station number	Station name	Location	Drainage area (mi <sup>2</sup> )	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft <sup>3</sup> /s)
03301880	Southern Ditch at Minors Lane near Okolona, Ky.	Lat 38°08'04", long 85°42'34", Jefferson County, Hydrologic Unit 05140102, at bridge on Minors Lane nr Okolona, Ky., 0.2 mi below Mud Creek, and at mile 4.2.	12.8	†2004	05-28-04	6.73	2,800
03301950	Spring Ditch at Private Drive near Okolona, Ky.	Lat 38°09'27", long 85°40'57", Jefferson County, Hydrologic Unit 05140102, at at culvert on Private Drive nr Okolona, Ky., and at mile 4.2	1.6	†2004	05-28-04	6.17	368

Discharge measurements made at miscellaneous sites during water year 2004.

Station no.	Station name	Location	Period of record	Date	Discharge (ft <sup>3</sup> /s)
<b><u>GREEN RIVER BASIN</u></b>					
03316000	Mud River near Lewisburg, Ky.	Lat 37°00'15", Long 86°54'26", Logan County, Hydrologic Unit 05110003, at upstream side of bridge on State Highway 106, 2.5 mi northeast of Lewisburg, 7.5 mi downstream from Motts Lick Creek, and 14.0 mi upstream from Wolf Lick Creek.	2001-04	10-06-03	54.6

## WATER-QUALITY RECORDS

LOCATION.--Lat 37°47'47", long 86°16'25", Breckinridge County, Hydrologic Unit 05140104.

DRAINAGE AREA.--36 mi<sup>2</sup>.

PERIOD OF RECORD.--April to current water year.

COOPERATION.--Kentucky Department of Agriculture.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltrd 25 degC (00095)	Temperature, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO <sub>3</sub> (39086)	Bicarbonate, wat flt incrm. titr., mg/L (00453)	Chloride, water, fltrd, mg/L (00940)
APR 22...	1205	Environmental	125	16.0	743	9.5	7.3	308	12.3	115	139	13.1
MAY 27...	1230	Environmental	2,080	432	738	8.3	7.0	142	16.1	58	71	1.74
JUL 08...	1400	Environmental	7.4	4.30	749	9.4	7.6	546	19.9	136	166	5.67
JUL 08...	1408	Field Blank	--	--	--	--	--	--	--	--	--	0.24
AUG 02...	1145	Environmental	7.0	9.61	758	9.6	7.3	597	20.2	154	186	5.96
SEP 07...	1120	Environmental	17	5.90	750	6.1	7.6	641	20.9	161	195	6.20

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	2,6-Diethyl-aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Butyl-ate, water, fltrd, ug/L (04028)
APR 22...	<0.04	0.81	0.015	0.066	<0.006	E0.025	0.027	<0.005	<0.005	0.139	<0.050	<0.010	<0.004
MAY 27...	<.04	.21	.010	.25	<.006	E.099	.092	<.005	<.005	.905	<.050	<.010	<.004
JUL 08...	<.04	1.06	E.003	.037	<.006	E.063	.008	<.005	<.005	.436	<.050	<.010	<.004
JUL 08...	<.04	<.06	<.006	<.004	--	--	--	--	--	--	--	--	--
AUG 02...	<.04	1.02	.008	.023	<.006	E.064	.006	<.005	<.005	.132	<.050	<.010	<.004
SEP 07...	<.04	.70	.011	.031	<.006	E.022	E.003	<.005	<.005	.044	<.050	<.010	<.004

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	Cyana-zine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)
APR 22...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.009	<0.02	<0.004	<0.009	<0.005	<0.003
MAY 27...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.009	<.02	<0.004	<0.009	<0.005	<0.003
JUL 08...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.009	<.02	<0.004	<0.009	<0.005	<0.003
JUL 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 02...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.009	<.02	<0.004	<0.009	<0.005	<0.003
SEP 07...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.009	<.02	<0.004	<0.009	<0.005	<0.003

## 03303195 SINKING CREEK AT ROSETTA, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)	Naprop- amide, water, fltrd 0.7u GF ug/L (82684)	p,p'- DDE, water, fltrd, ug/L (34653)	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)
APR 22...	<0.004	<0.035	<0.027	<0.015	E0.010	<0.006	<0.003	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011
MAY 27...	<.004	<.035	<.027	<.015	.112	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011
JUL 08...	<.004	<.035	<.027	<.015	.025	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011
AUG 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 02...	<.004	<.035	<.027	<.015	.014	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011
SEP 07...	<.004	<.035	<.027	<.015	E.004	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Prome- ton, water, fltrd, ug/L (04037)	Propy- zamide, water, fltrd 0.7u GF ug/L (82676)	Propan- chlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	Sus- pended sedi- ment concen- tration mg/L (80154)
APR 22...	<0.01	<0.004	<0.025	<0.011	<0.02	0.013	<0.02	<0.034	<0.02	<0.010	<0.002	<0.009	26
MAY 27...	<.01	<.004	<.025	<.011	<.02	.010	<.02	<.034	<.02	<.010	<.002	<.009	306
JUL 08...	.02	<.004	<.025	<.011	<.02	.009	<.02	<.034	<.02	<.010	<.002	<.009	73
AUG 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 02...	.01	<.004	<.025	<.011	<.02	<.010	<.02	<.034	<.02	<.010	<.002	<.009	4
SEP 07...	.01	<.004	<.025	<.011	<.02	E.005	<.02	<.034	<.02	<.010	<.002	<.009	5

E--Laboratory estimated value.

&lt;--Numeric result is less than the value shown.

## WATER-QUALITY RECORDS

LOCATION.--Lat 37°52'06", long 86°23'16", Breckinridge County, Hydrologic Unit 05140104.

DRAINAGE AREA.--125 mi<sup>2</sup>.

PERIOD OF RECORD.--April 2004 to current water year.

COOPERATION.--Kentucky Department of Agriculture.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltrd 25 degC (00095)	Temperature, deg C (00010)	Alkalinity, wat fltr inc tit field, mg/L as CaCO <sub>3</sub> (39086)	Bicarbonate, wat fltr incrm. titr., mg/L (00453)	Chloride, water, fltrd, mg/L (00940)
APR 22...	1445	Environmental	333	46.0	743	9.9	7.4	432	13.4	181	218	4.95
MAY 25...	1445	Environmental	1,160	227	743	8.5	7.0	360	15.8	126	153	3.63
27...	1500	Environmental	5,260	445	738	8.6	7.1	175	16.2	82	100	1.89
JUL 08...	1550	Environmental	44	14.1	749	9.4	7.1	533	17.8	120	147	5.31
12...	1229	Environmental	--	--	--	--	--	--	--	--	--	--
12...	1416	Environmental	--	--	--	--	--	--	--	--	--	--
AUG 02...	1445	Environmental	38	9.96	758	11.1	7.1	588	18.4	222	269	6.43
SEP 07...	1520	Environmental	20	11.6	750	8.3	7.3	511	17.8	187	227	5.11

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	2,6-Diethyl-aniline water fltrd 0.7u GF (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd 0.7u GF (82686)	Ben-flur-alin, water, fltrd 0.7u GF (82673)	Butyl-ate, water, fltrd, ug/L (04028)
APR 22...	<0.04	1.29	0.014	0.096	<0.006	E0.047	0.010	<0.020	<0.005	0.409	<0.050	<0.010	<0.004
MAY 25...	<.04	1.34	.072	.42	<.006	E.126	.227	<.010	<.005	.753	<.050	<.010	<.004
27...	<.04	0.35	.037	.40	<.006	E.116	.091	.011	<.005	.942	<.050	<.010	<.004
JUL 08...	<.04	2.04	.042	.070	<.006	E.118	E.006	<.005	<.005	.200	<.050	<.010	<.004
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 02...	<.04	2.17	.071	.101	<.006	E.075	.008	<.005	<.005	.119	<.050	<.010	<.004
SEP 07...	<.04	1.33	.054	.086	<.006	E.046	E.004	<.005	<.005	.069	<.050	<.010	<.004

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Carbaryl, water, fltrd 0.7u GF (82680)	Carbo-furan, water, fltrd 0.7u GF (82674)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd 0.7u GF (82687)	Cyana-zine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF (82682)	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)	Disul-foton, water, fltrd 0.7u GF (82677)	EPTC, water, fltrd 0.7u GF (82668)	Ethal-flur-alin, water, fltrd 0.7u GF (82663)	Etho-prop, water, fltrd 0.7u GF (82672)	Fonofos water, fltrd, ug/L (04095)
APR 22...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.009	<0.02	<0.004	<0.009	<0.005	<0.003
MAY 25...	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004	<.009	<.005	<.003
27...	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004	<.009	<.005	<.003
JUL 08...	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004	<.009	<.005	<.003
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 02...	<.041	<.075	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.150	<.009	<.005	<.003
SEP 07...	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004	<.009	<.005	<.003

## 03303205 SINKING CREEK NEAR LODIBURG, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)	Naprop- amide, water, fltrd 0.7u GF ug/L (82684)	p,p'- DDE, water, fltrd, ug/L (34653)	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)
APR 22...	<0.004	<0.035	<0.027	<0.015	E0.008	<0.006	<0.003	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011
MAY 25...	<.004	<.035	<.027	<.015	.047	<.006	<.003	.013	<.003	<.010	<.004	<.022	<.011
MAY 27...	<.004	<.035	<.027	<.015	.102	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011
JUL 08...	<.004	<.035	<.027	<.015	E.011	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011
JUL 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 02...	<.004	<.035	<.027	<.015	E.010	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011
SEP 07...	<.004	<.035	<.027	<.015	E.007	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Prome- ton, water, fltrd, ug/L (04037)	Propy- zamide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	Sus- pended sedi- ment concent- ration mg/L (80154)
APR 22...	<0.01	<0.004	<0.025	<0.011	<0.02	0.017	<0.02	<0.034	<0.02	<0.010	<0.002	<0.009	106
MAY 25...	.02	<0.004	<0.025	<0.011	<.02	.035	<.02	<.034	<.02	<.010	<.002	<.009	414
MAY 27...	<.01	<.004	<.025	<.011	<.02	.056	<.02	<.034	<.02	<.010	<.002	<.009	563
JUL 08...	.01	<0.004	<0.025	<0.011	<.02	.014	<.02	<.034	<.02	<.010	<.002	<.009	67
JUL 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 02...	.01	<0.004	<0.025	<0.011	<.02	.012	<.02	<.034	<.02	<.010	<.002	E.005	19
SEP 07...	.01	<0.004	<0.025	<0.011	<.02	.009	<.02	<.034	<.02	<.010	<.002	<.009	8

E--Laboratory estimated value.

&lt;--Numeric result is less than the value shown.

## WATER-QUALITY RECORDS

LOCATION.--Lat 37°47'55", long 86°09'04", Breckinridge County, Hydrologic Unit 05140104.

PERIOD OF RECORD.--April to current water year.

COOPERATION.--Kentucky Department of Agriculture.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)
APR 22...	1500	Environmental	46	39.5	743	13.4	7.7	318	12.3	132	161	6.52
MAY 25...	1545	Environmental	--	134	751	8.8	7.3	306	13.6	117	142	7.08
MAY 27...	1030	Environmental	--	114	738	7.5	7.0	201	15.3	65	79	2.40
AUG 02...	1130	Environmental	2.4	5.30	745	--	7.4	375	13.9	182	209	5.99
SEP 07...	1120	Environmental	1.6	--	750	10.2	7.0	383	13.7	174	211	4.31

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004--CONTINUED

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	2,6-Diethyl-aniline water, fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)
APR 22...	0.14	2.01	0.052	0.119	<0.006	E0.172	<0.010	<0.005	<0.005	4.92	<0.050	<0.010	<0.004
MAY 25...	<.04	3.09	.136	.30	<.006	E.300	.014	<.005	<.005	2.08	<.050	<.010	<.004
MAY 27...	<.04	1.24	.152	.34	<.006	E.330	.009	.186	<.005	2.99	<.050	<.010	<.004
AUG 02...	<.04	2.32	.037	.052	<.006	E.133	.018	<.005	<.005	0.097	<.100	<.010	<.004
SEP 07...	<.04	1.68	.030	--	<.006	E.093	.007	<.005	<.005	.065	<.050	<.010	<.004

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004--CONTINUED

Date	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos, water, fltrd, ug/L (38933)	cis-Permethrin, water, fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water, fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfuralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Fonofos, water, fltrd, ug/L (04095)
APR 22...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.009	<0.02	<0.004	<0.009	<0.005	<0.003
MAY 25...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.009	<.02	<0.004	<0.009	<0.005	<0.003
MAY 27...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.009	<.02	<0.004	<0.009	<0.005	<0.003
AUG 02...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.009	<.02	<0.004	<0.009	<0.005	<0.003
SEP 07...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.009	<.02	<0.004	<0.009	<0.005	<0.003

3747550860904 F15CS004--BIG SPRING AT BIG SPRING, KY--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004--CONTINUED

Date	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)	Naprop- amide, water, fltrd 0.7u GF ug/L (82684)	p,p'- DDE, water, fltrd, ug/L (34653)	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)
APR 22...	<0.004	<0.035	<0.027	<0.015	0.309	0.029	<0.003	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011
MAY 25...	<.004	<.035	<.027	<.015	.447	.023	<.003	<.007	<.003	<.010	<.004	<.022	<.011
MAY 27...	<.004	<.035	<.027	<.015	.736	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011
AUG 02...	<.004	<.035	<.027	<.015	.017	.089	<.003	<.007	<.003	<.010	<.004	<.022	<.011
SEP 07...	<.004	<.035	<.027	<.015	E.006	.026	<.003	<.007	<.003	<.010	<.004	<.022	<.011

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004--CONTINUED

Date	Prome- ton, water, fltrd, ug/L (04037)	Propy- zamide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	Sus- pended sediment concent- ration mg/L (80154)
APR 22...	<0.01	<0.004	<0.025	<0.011	<0.02	0.152	<0.02	<0.034	<0.02	<0.010	<0.002	<0.009	62
MAY 25...	<.01	<.004	<.025	<.011	<.02	.043	<.02	<.034	<.02	<.010	<.002	<.009	82
MAY 27...	<.01	<.004	<.025	<.011	<.02	.548	<.02	<.034	<.02	<.010	<.002	<.009	153
AUG 02...	<.01	<.004	<.025	<.011	<.02	.018	<.02	<.034	<.02	<.010	<.002	<.009	6
SEP 07...	.01	<.004	<.025	<.011	<.02	.010	<.02	<.034	<.02	<.010	<.002	<.009	2

E--Laboratory estimated value.

&lt;--Numeric result is less than the value shown.



374813086171501 F14DS005--FLAT ROCK SPRING NEAR ROSETTA, KY

## WATER-QUALITY RECORDS

LOCATION.--Lat 37°48'13", long 86°17'15", Breckinridge County, Hydrologic Unit 05140104.

PERIOD OF RECORD.--April to current water year.

COOPERATION.--Kentucky Department of Agriculture.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd, std units (00400)	Specif. conductance, wat unfltrd, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat fltr inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltr incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)
APR 22...	1215	Environmental	50	--	743	--	7.2	325	12.5	--	--	5.85
MAY 25...	1440	Environmental	--	164	751	9.2	7.3	293	14.2	126	154	3.90
JUL 08...	1330	Environmental	12	7.40	749	10.3	7.3	417	14.1	312	381	4.82
AUG 02...	1300	Environmental	8.6	20.3	750	--	7.3	390	14.3	188	229	5.22
SEP 07...	1255	Environmental	4.8	--	750	9.8	7.0	423	14.1	193	235	4.95

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	2,6-Diethyl-aniline water fltrd 0.7u GF (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd 0.7u GF (82686)	Ben-flur-alin, water, fltrd 0.7u GF (82673)	Butyl-ate, water, fltrd, ug/L (04028)
APR 22...	<0.04	1.61	0.030	0.077	<0.006	E0.062	0.011	0.011	<0.005	0.588	<0.050	<0.010	<0.004
MAY 25...	<.04	0.76	.115	.30	<.006	E.342	.033	<.005	<.005	2.91	<.050	<.010	<.004
JUL 08...	<.04	2.03	.043	.079	<.006	E.138	E.004	<.005	<.005	.195	<.050	<.010	<.004
AUG 02...	<.04	1.90	.092	.148	<.006	E.066	.007	<.005	<.005	.103	<.050	<.010	<.004
SEP 07...	<.04	1.57	.066	.094	<.006	E.075	<.006	<.005	<.005	.063	<.050	<.010	<.004

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Carbaryl, water, fltrd 0.7u GF (82680)	Carbo-furan, water, fltrd 0.7u GF (82674)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd 0.7u GF (82687)	Cyana-zine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF (82682)	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)	Disul-foton, water, fltrd 0.7u GF (82677)	EPTC, water, fltrd 0.7u GF (82668)	Ethal-flur-alin, water, fltrd 0.7u GF (82663)	Etho-prop, water, fltrd 0.7u GF (82672)	Fonofos water, fltrd, ug/L (04095)
APR 22...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.009	<0.02	<0.004	<0.009	<0.005	<0.003
MAY 25...	E.009	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.009	<.02	<0.004	<0.009	<0.005	<0.003
JUL 08...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.009	<.02	<0.004	<0.009	<0.005	<0.003
AUG 02...	<0.041	<0.030	<0.005	<0.006	<0.018	<0.003	<0.005	<0.009	<.02	<0.015	<0.009	<0.005	<0.003
SEP 07...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.009	<.02	<0.004	<0.009	<0.005	<0.003

374813086171501 F14DS005--FLAT ROCK SPRING NEAR ROSETTA, KY--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004--CONTINUED

Date	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)	Naprop- amide, water, fltrd 0.7u GF ug/L (82684)	p,p-' DDE, water, fltrd, ug/L (34653)	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)
APR 22...	<0.004	<0.035	<0.027	<0.015	E0.009	<0.006	<0.003	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011
MAY 25...	<.004	<.035	<.027	<.015	.058	<.010	<.003	<.007	<.003	<.010	<.004	.028	<.011
JUL 08...	<.004	<.035	<.027	<.015	E.010	E.004	<.003	<.007	<.003	<.010	<.004	.023	<.011
AUG 02...	<.004	<.035	.181	<.015	E.007	.006	<.003	<.007	<.003	<.010	<.004	E.010	<.011
SEP 07...	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004--CONTINUED

Date	Prome- ton, water, fltrd, ug/L (04037)	Propy- zamide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	Sus- pended sedi- ment concent- ration mg/L (80154)
APR 22...	<0.01	<0.004	<0.025	<0.011	<0.02	0.027	<0.02	<0.034	<0.02	<0.010	<0.002	<0.009	25
MAY 25...	<.01	<.004	<.025	E.010	<.02	2.28	<.02	<.034	<.02	<.010	<.002	<.009	138
JUL 08...	<.01	<.004	<.025	<.011	<.02	.020	<.02	<.034	<.02	<.010	<.002	<.009	28
AUG 02...	M	<.004	<.025	<.011	<.02	.014	<.02	<.034	<.02	<.010	<.002	<.009	20
SEP 07...	<.01	<.004	<.025	<.011	<.02	.019	<.02	<.034	<.02	<.010	<.002	<.009	5

E--Laboratory estimated value.

M--Presence of material verified but not quantified.

&lt;--Numeric result is less than the value shown.

374846086154101 F14DS003--ROSS KARST WINDOW NEAR BIG SPRING, KY

## WATER-QUALITY RECORDS

LOCATION.--Lat 37°48'46", long 86°15'41", Breckinridge County, Hydrologic Unit 05140104.

PERIOD OF RECORD.--May to current water year.

COOPERATION.--Kentucky Department of Agriculture.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Ammonia water, fltrd, mg/L as N (00608)
MAY 25...	1510	Environmental	152	751	9.2	7.3	280	14.0	88	108	4.32	<0.04
27...	1120	Environmental	264	738	7.7	7.1	125	15.7	66	80	1.61	<.04
AUG 02...	1230	Environmental	21.8	748	--	7.2	389	14.3	186	227	5.11	<.04
SEP 07...	1200	Environmental	--	750	8.9	6.9	445	14.1	208	254	5.08	<.04

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L as P (00665)	2,6-Diethyl-aniline water fltrd 0.7u GF (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd 0.7u GF (82686)	Ben-flur-alin, water, fltrd 0.7u GF (82673)	Butyl-ate, water, fltrd, ug/L (04028)	Car-baryl, water, fltrd 0.7u GF (82680)
MAY 25...	0.82	0.092	0.24	<0.006	E0.252	0.080	<0.005	<0.005	2.10	<0.050	<0.010	<0.004	E0.018
27...	.42	.043	.41	<.006	E.133	.016	.113	<.005	1.45	<.050	<.010	<.004	<.041
AUG 02...	1.95	.081	.140	<.006	E.083	.008	<.005	<.005	0.109	<.100	<.010	<.004	<.041
SEP 07...	1.59	.060	.089	<.006	E.070	E.003	<.005	<.005	.080	<.050	<.010	<.004	<.041

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Carbo-furan, water, fltrd 0.7u GF (82674)	Chlor-pyri-fos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd 0.7u GF (82687)	Cyana-zine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF (82682)	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)	Disul-foton, water, fltrd 0.7u GF (82677)	EPTC, water, fltrd 0.7u GF (82668)	Ethal-flur-alin, water, fltrd 0.7u GF (82663)	Etho-prop, water, fltrd 0.7u GF (82672)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)
MAY 25...	E0.015	<0.005	<0.006	<0.018	<0.003	<0.005	<0.009	<0.02	<0.015	<0.009	<0.005	<0.003	<0.004
27...	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004	<.009	<.005	<.003	<.004
AUG 02...	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004	<.009	<.005	<.003	<.004
SEP 07...	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.020	<.009	<.005	<.003	<.004

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Linuron water fltrd 0.7u GF (82666)	Mala-thion, water, fltrd, ug/L (39532)	Methyl para-thion, water, fltrd 0.7u GF (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Moli-nate, water, fltrd 0.7u GF (82671)	Naprop-amide, water, fltrd 0.7u GF (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF (82669)	Pendi-meth-alin, water, fltrd 0.7u GF (82683)	Phorate water fltrd 0.7u GF (82664)	Prome-ton, water, fltrd, ug/L (04037)
MAY 25...	<0.035	<0.027	<0.015	0.048	<0.010	<0.003	<0.007	<0.003	<0.010	<0.004	E0.015	<0.011	0.01
27...	<0.035	<0.027	<0.015	.345	<0.006	<0.003	<0.007	<0.003	<0.010	<0.004	<.022	<.011	<.01
AUG 02...	<.035	.211	<.015	E.009	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	<.01
SEP 07...	<.035	<.027	<.015	E.005	.007	<.003	<.007	<.003	<.010	<.004	<.022	<.011	.01

374846086154101 F14DS003--ROSS KARST WINDOW NEAR BIG SPRING, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Propy- zamide, water, fltrd 0.7u GF (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF (82679)	Propar- gite, water, fltrd 0.7u GF (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF (82670)	Terba- cil, water, fltrd 0.7u GF (82665)	Terbu- fos, water, fltrd 0.7u GF (82675)	Thio- bencarb water fltrd 0.7u GF (82681)	Tri- allate, water, fltrd 0.7u GF (82678)	Tri- flur- alin, water, fltrd 0.7u GF (82661)	Sus- pended sedi- ment concent- ration mg/L (80154)
MAY												
25...	<0.004	<0.025	0.011	<0.02	1.31	<0.02	<0.034	<0.02	<0.010	<0.002	<0.009	106
27...	<.004	<.025	<.011	<.02	0.507	<.02	<.034	<.02	<.010	<.002	<.009	581
AUG												
02...	<.004	<.025	<.011	<.02	.019	<.02	<.034	<.02	<.010	<.002	<.009	25
SEP												
07...	<.004	<.025	<.011	<.02	.012	M	<.034	<.02	<.010	<.002	<.009	6

E--Laboratory estimated value.

M--Presence of material verified but not quantified.

&lt;--Numeric result is less than the value shown.

## WATER-QUALITY RECORDS

LOCATION.--Lat 37°48'47", long 86°17'29", Breckinridge County, Hydrologic Unit 05140104.

PERIOD OF RECORD.--April to current water year.

COOPERATION.--Kentucky Department of Agriculture.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)
APR 22...	1320	Environmental	23	9.90	743	12.8	7.2	545	13.1	188	229	5.38
MAY 25...	1340	Environmental	--	211	751	7.2	7.0	280	14.7	111	135	3.35
MAY 25...	1350	Replicate	--	--	--	--	--	--	--	112	136	3.67
AUG 02...	1400	Environmental	4.4	28.2	749	--	7.0	531	14.5	210	256	5.87
SEP 07...	1345	Environmental	2.7	--	750	9.2	6.9	1,000	14.3	244	297	6.92

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004--CONTINUED

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	2,6-Diethyl-aniline water, fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)
APR 22...	<0.04	1.12	0.025	0.065	<0.006	E0.031	<0.008	<0.005	<0.005	0.345	<0.050	<0.010	<0.004
MAY 25...	<.04	0.40	.090	.31	<.006	E.141	.091	<.005	<.005	.850	<.050	<.010	<.004
MAY 25...	<.04	.37	.092	.38	<.006	E.157	.088	<.005	<.005	.828	<.050	<.010	<.004
AUG 02...	<.04	2.08	.192	.25	<.006	E.026	.011	<.005	<.005	.075	<.100	<.010	<.004
SEP 07...	<.04	1.44	.042	.070	<.006	E.020	<.006	<.005	<.005	.047	<.050	<.010	<.004

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004--CONTINUED

Date	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos, water, fltrd, ug/L (38933)	cis-Permethrin, water, fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water, fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfuralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Fonofos, water, fltrd, ug/L (04095)
APR 22...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.009	<0.02	<0.004	<0.009	<0.005	<0.003
MAY 25...	E.012	<.020	<.005	<.006	<.018	E.003	<.005	<.009	<.02	<.004	<.009	<.005	<.003
MAY 25...	E.012	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004	<.009	<.005	<.003
AUG 02...	E.018	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004	<.009	<.005	<.003
SEP 07...	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004	<.009	<.005	<.003

374847086172901 F14DS007--FIDDLE SPRING NEAR ROSETTA, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)	Naprop- amide, water, fltrd 0.7u GF ug/L (82684)	p,p'- DDE, water, fltrd, ug/L (34653)	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)
APR 22...	<0.004	<0.035	<0.027	<0.015	<0.013	<0.006	<0.003	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011
MAY 25...	<.004	<.035	<.027	<.015	.036	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011
MAY 25...	<.004	<.035	<.027	<.015	.035	<.006	<.003	<.007	<.005	<.010	<.004	<.022	<.011
AUG 02...	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011
SEP 07...	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Prome- ton, water, fltrd, ug/L (04037)	Propy- zamide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	Sus- pended sediment concent- ration mg/L (80154)
APR 22...	<0.01	<0.004	<0.025	<0.011	<0.02	0.013	<0.02	<0.034	<0.02	<0.010	<0.002	<0.009	11
MAY 25...	.01	<.004	<.025	<.011	<.02	.481	<.02	<.034	<.02	<.010	<.002	<.009	253
MAY 25...	<.01	<.004	<.025	<.011	<.02	.461	<.02	<.034	<.02	<.010	<.002	<.009	--
AUG 02...	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002	<.009	28
SEP 07...	.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002	<.009	6

E--Laboratory estimated value.

&lt;--Numeric result is less than the value shown.

## WATER-QUALITY RECORDS

LOCATION.--Lat 37°52'09", long 86°22'40", Breckinridge County, Hydrologic Unit 05140104.

PERIOD OF RECORD.--April to current water year.

COOPERATION.--Kentucky Department of Agriculture.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)
APR 22...	1340	Environmental	--	45.0	743	9.2	7.4	430	13.4	181	220	5.73
MAY 25...	1235	Environmental	--	--	743	--	7.2	300	--	132	161	4.00
MAY 27...	1610	Environmental	--	677	738	6.5	7.0	188	16.4	80	97	1.75
AUG 02...	1415	Environmental	37	15.2	758	10.2	6.9	581	17.2	220	268	6.29
SEP 07...	1320	Environmental	3.5	10.5	750	7.2	7.3	520	17.0	196	239	5.15

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	2,6-Diethyl-aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)
APR 22...	<0.04	1.31	0.019	0.106	<0.006	E0.047	0.010	<0.005	<0.005	0.424	<0.050	<0.010	<0.004
MAY 25...	<.04	0.83	.075	.45	<.006	E.104	.137	<.005	<.005	.658	<.050	<.010	<.004
MAY 27...	<.04	.47	.038	.31	<.006	E.109	.082	<.005	<.005	.866	<.050	<.010	<.004
AUG 02...	<.04	2.23	.078	.106	<.006	E.075	.007	<.005	<.005	.129	<.050	<.010	<.004
SEP 07...	<.04	1.52	.057	.087	<.006	E.046	E.004	<.005	<.005	.073	<.050	<.010	<.004

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfuralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)
APR 22...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.009	<0.02	<0.004	<0.009	<0.005	<0.003
MAY 25...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.009	<.02	<0.004	<0.009	<0.005	<0.003
MAY 27...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.009	<.02	<0.004	<0.009	<0.005	<0.003
AUG 02...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.009	<.02	<0.075	<0.009	<0.005	<0.003
SEP 07...	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.009	<.02	<0.004	<0.009	<0.005	<0.003

375209086224001 F14CS002--BOILING SPRING NEAR LODIBURG, KY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)
APR 22...	<0.004	<0.035	<0.027	<0.015	E0.008	<0.006	<0.003	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011
MAY 25...	<.004	<.035	<.027	<.015	.042	<.006	<.003	.011	<.003	<.010	<.004	<.022	<.011
MAY 27...	<.004	<.035	<.027	<.015	.106	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011
AUG 02...	<.004	<.035	<.027	<.015	E.011	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011
SEP 07...	<.004	<.035	<.027	<.015	E.007	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Prometon, water, fltrd, ug/L (04037)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	Suspended sediment concentration mg/L (80154)
APR 22...	<0.01	<0.004	<0.025	<0.011	<0.02	0.018	<0.02	<0.034	<0.02	<0.010	<0.002	<0.009	135
MAY 25...	.01	<.004	<.025	<.011	<.02	.039	<.02	<.034	<.02	<.010	<.002	<.009	409
MAY 27...	<.01	<.004	<.025	<.011	<.02	.050	<.02	<.034	<.02	<.010	<.002	<.009	408
AUG 02...	.01	<.004	<.025	<.011	<.02	.013	<.02	<.034	<.02	<.010	<.002	<.009	11
SEP 07...	.01	<.004	<.025	<.011	<.02	.010	<.02	<.034	<.02	<.010	<.002	<.009	7

E--Laboratory estimated value.

<--Numeric result is less than the value shown.



## 03437400 NORTH FORK LITTLE RIVER AT GARY LANE BRIDGE NEAR HOPKINSVILLE, KY

## WATER-QUALITY RECORDS

LOCATION.--Lat 36°48'07", long 87°30'49", Christian County, Hydrologic Unit 05130205.

DRAINAGE AREA.--67 mi<sup>2</sup>.

PERIOD OF RECORD.--March 2003 to current water year.

COOPERATION.--Kentucky Department of Agriculture.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, uS/cm wat unfltrd 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat fltr inc tit field, mg/L as CaCO <sub>3</sub> (39086)	Bicarbonate, wat fltr incrm. titr., mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT 15...	1500	Environmental	19	762	8.4	7.4	620	18.8	149	182	<0.04	3.43
NOV 12...	1410	Environmental	22	762	6.3	7.5	500	16.0	146	178	.08	1.95
FEB 17...	1410	Environmental	49	770	13.6	7.7	479	8.2	162	198	<.04	3.31
MAR 16...	1410	Environmental	44	759	12.9	7.8	497	11.9	164	201	.06	2.90
16...	1418	Field Blank	--	--	--	--	--	--	--	--	<.010	<.016
APR 14...	0930	Environmental	372	748	12.7	6.1	226	7.8	68	83	.48	1.34
30...	1210	Environmental	E75	764	8.2	7.3	363	17.1	132	161	E.02	2.73
MAY 06...	1240	Environmental	E125	765	8.2	7.4	366	17.3	132	161	.06	2.95
JUN 15...	1410	Environmental	E32	764	4.7	7.6	501	22.3	155	189	E.04	3.86
JUL 14...	1020	Environmental	110	745	6.7	7.3	344	23.1	120	146	<.04	2.09
27...	1230	Environmental	E50	766	8.5	7.6	521	20.9	155	190	E.03	3.95
27...	1240	Replicate	--	--	--	--	--	--	155	189	E.02	3.95
AUG 10...	1230	Environmental	E80	764	7.2	7.7	576	21.6	198	242	E.03	4.86
SEP 14...	1210	Environmental	E100	767	6.5	7.4	626	21.9	149	182	E.04	5.33

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	1,4-Naphthoquinone, water, fltrd, ug/L (61611)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2-(4-t-Butylphenoxy)cyclohexanol, wat fltr ug/L (61637)	2,5-Dichloroaniline, water, fltrd, ug/L (61614)	2,6-Diethyl-aniline, water, fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)-amino]propan-1-ol, ug/L (61615)	2-Amino-N-isopropylbenzamide, wat fltr ug/L (61617)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methyl-aniline, water, fltrd, ug/L (61620)	3-(Tri-fluoro-methyl)aniline, water, fltrd, ug/L (61630)	3,4-Di-chloro-aniline, water, fltrd, ug/L (61625)
OCT 15...	1.55	1.62	<0.05	--	<0.01	<0.03	<0.006	<0.1	<0.005	E0.117	<0.004	<0.01	0.093
NOV 12...	0.397	0.51	<.05	<.09	E.01	<.03	<.006	<.1	<.005	E.138	<.004	<.01	.044
FEB 17...	.461	.60	<.05	<.09	<.01	M	<.006	--	<.005	E.089	<.004	<.01	.016
MAR 16...	.497	.62	<.05	<.09	<.01	E.01	<.006	--	<.005	E.084	<.004	<.01	.021
16...	<.006	--	--	--	--	--	--	--	--	--	--	--	--
APR 14...	.262	.57	<.05	<.09	<.01	<.03	<.006	--	<.005	E.227	<.004	<.01	<.004
30...	.228	.35	<.05	<.09	<.01	E.01	<.006	--	<.005	E.176	<.004	<.01	.013
MAY 06...	.258	.31	<.05	<.09	<.01	<.03	<.006	--	<.005	E.236	<.004	<.01	.016
JUN 15...	.842	.89	<.05	<.09	--	E.01	<.006	--	<.005	E.244	<.004	<.01	.094
JUL 14...	.413	.55	<.04	<.09	<.01	<.01	<.006	--	<.005	E.174	<.004	<.01	.033
27...	1.52	1.58	<.04	--	<.01	E.01	<.006	--	<.005	E.206	<.004	<.01	E.054
27...	1.47	1.66	<.04	--	<.01	<.01	<.006	--	<.005	E.159	<.004	<.01	<.004
AUG 10...	1.03	1.07	<.04	--	<.01	.01	<.006	--	<.005	E.095	<.004	<.01	.068
SEP 14...	2.00	2.12	<.04	<.09	<.01	.01	<.006	--	<.005	E.095	<.004	<.01	.064

## 03437400 NORTH FORK LITTLE RIVER AT GARY LANE BRIDGE NEAR HOPKINSVILLE, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	3,5-Di-chloro-aniline water, fltrd, ug/L (61627)	4,4-Di' chloro-benzo-phen-one, wat flt ug/L (61631)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	4Chloro phenyl-methyl sulfone water, fltrd, ug/L (61634)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-Endo-sulfan, water, fltrd, ug/L (34362)	alpha-HCH, water, fltrd, ug/L (34253)	alpha-HCH-d6, sur2002 /9002, wat unf percent recovry (99224)	alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)
OCT 15...	<0.005	<0.003	<0.006	<0.03	<0.006	0.006	<0.005	<0.005	88.9	110	0.874	<0.02	<0.200
NOV 12...	<.005	<.003	<.006	<.03	<.010	<.010	<.005	<.005	93.8	107	.602	<.02	<.050
FEB 17...	<.005	<.003	<.006	<.03	<.006	<.005	<.005	<.005	172	E106	.222	<.02	<.050
MAR 16...	<.005	<.003	<.006	<.03	<.006	<.005	<.005	<.005	85.3	98.1	.637	<.02	<.050
MAR 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 14...	<.005	<.003	<.006	<.03	.199	<.005	<.005	<.005	81.2	94.7	E21.9	<.02	<.050
APR 30...	<.005	<.003	<.006	<.03	.035	<.005	<.005	<.005	79.6	91.1	1.84	<.02	<.050
MAY 06...	<.005	<.003	<.006	<.03	.035	<.005	<.005	<.005	84.0	96.6	2.83	<.02	<.050
JUN 15...	<.005	<.003	--	<.01	.009	<.005	<.005	<.005	90.1	108	1.95	<.02	<.050
JUL 14...	<.004	<.007	<.006	<.01	.010	<.005	<.005	<.005	81.6	92.2	1.47	<.07	<.050
JUL 27...	<.004	<.007	<.006	<.01	<.015	<.005	<.005	<.005	74.7	89.0	2.14	<.07	<.050
JUL 27...	<.004	<.007	<.006	<.01	.011	<.005	<.005	<.005	89.1	98.8	.352	<.07	<.050
AUG 10...	<.004	<.007	<.006	<.01	.012	<.005	<.005	<.005	76.6	85.9	.245	<.07	<.050
SEP 14...	<.004	<.007	<.006	<.01	<.006	<.005	<.005	<.005	75.3	90.9	.534	<.07	<.100

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	beta-Endo-sulfan, water, fltrd, ug/L (34357)	Bifen-thrin, water, fltrd, ug/L (61580)	Butyl-ate, water, fltrd, ug/L (04028)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	cis-Propi-cona-zole, water, fltrd, ug/L (79846)	Cyana-zine, water, fltrd, ug/L (04041)	Cyclo-ate, water, fltrd, ug/L (04031)	lambda-Cyhalo-thrin, water, fltrd, ug/L (61595)
OCT 15...	<0.010	<0.01	<0.005	0.005	<0.041	<0.020	<0.06	<0.005	<0.006	<0.008	<0.018	<0.005	<0.009
NOV 12...	<0.010	<.01	<.005	<.010	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
FEB 17...	<0.010	<.01	<.005	E.018	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
MAR 16...	<0.010	<.01	<.005	.013	<.041	E.025	<.06	<.005	<.006	<.008	<.018	<.005	<.009
MAR 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 14...	<0.010	<.01	<.005	<.010	E.054	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
APR 30...	<0.010	<.01	<.005	.011	E.021	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
MAY 06...	<0.010	<.01	<.005	.008	E.036	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
JUN 15...	<0.010	<.01	<.005	<.018	<.073	<.047	<.06	<.005	<.006	<.008	<.018	<.005	<.009
JUL 14...	<0.010	<.01	<.005	<.004	E.160	<.035	<.06	E.004	<.006	<.008	<.018	<.005	<.009
JUL 27...	<0.010	<.01	<.005	.009	E.013	<.050	<.06	<.005	<.006	<.008	<.018	<.005	<.009
JUL 27...	<0.010	<.01	<.005	<.004	E.033	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
AUG 10...	<0.010	<.01	<.005	.008	E.009	<.030	<.06	<.005	<.006	<.008	<.018	<.005	<.009
SEP 14...	<0.010	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009

## 03437400 NORTH FORK LITTLE RIVER AT GARY LANE BRIDGE NEAR HOPKINSVILLE, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF (82682)	Diazinon, water, fltrd, ug/L (39572)	Dicrotophos, water, fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF (82662)	Disulfoton sulfone water, fltrd, ug/L (61640)	Disulfoton sulf-oxide, water, fltrd, ug/L (61641)	Disulfoton, water, fltrd 0.7u GF (82677)	(E)-Dimethomorph, water, fltrd, ug/L (79844)	Endosulfan ether, water, fltrd, ug/L (61642)	EPTC, water, fltrd 0.7u GF (82668)	Ethalfluralin, water, fltrd 0.7u GF (82663)
OCT 15...	<0.009	<0.003	0.017	<0.08	<0.005	<0.006	<0.02	<0.050	<0.02	<0.02	<0.004	0.003	<0.009
NOV 12...	<.009	<.003	.006	<.08	<.009	<.006	<.02	<.002	<.02	<.02	<.004	E.003	<.009
FEB 17...	<.009	<.003	<.005	<.08	<.009	<.006	<.02	<.002	<.02	<.02	<.004	.006	<.009
MAR 16...	<.009	<.003	<.005	<.08	<.010	<.006	.02	<.002	<.02	<.02	<.004	.007	<.009
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 14...	<.009	<.003	.006	<.08	E.007	<.006	<.02	<.002	<.02	<.02	<.004	<.010	<.009
30...	<.009	<.003	.007	<.08	E.007	<.006	E.01	<.002	<.02	<.02	<.004	.004	<.009
MAY 06...	<.009	<.003	.010	<.08	<.009	<.006	.02	<.002	<.02	<.02	<.004	.004	<.009
JUN 15...	<.009	<.003	<.006	<.08	<.009	<.006	<.02	<.002	<.02	<.02	<.004	.006	<.009
JUL 14...	<.009	<.003	.180	<.08	.012	<.006	<.01	<.036	<.02	<.02	<.007	<.035	<.009
27...	<.009	<.003	.027	<.08	.021	<.006	<.01	<.036	<.02	<.02	<.007	.004	<.009
27...	<.009	<.003	.006	<.08	.015	<.006	<.01	<.036	<.02	<.02	<.007	<.004	<.009
AUG 10...	<.009	<.003	<.010	<.08	.012	<.006	<.01	<.036	<.02	<.02	<.007	E.004	<.009
SEP 14...	<.009	<.003	<.010	<.08	<.010	<.006	<.01	<.036	<.02	<.02	<.007	<.004	<.009

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Ethoprop, water, fltrd 0.7u GF (82672)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulf-oxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Fenthion sulf-oxide, water, fltrd, ug/L (61647)	Flumetralin, water, fltrd, ug/L (61592)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)
OCT 15...	<0.03	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.004	<0.002	<0.003	<0.013	<1	<0.003
NOV 12...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
FEB 17...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
MAR 16...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 14...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
30...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
MAY 06...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
JUN 15...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
JUL 14...	<.0020	<.004	<.005	<.049	<.04	<.03	<.008	<.004	<.003	<.003	<.013	<.387	<.003
27...	<.0020	<.004	<.005	<.049	<.04	<.03	<.008	<.004	<.003	<.003	<.013	<.387	<.003
27...	<.0020	<.004	<.005	<.049	<.04	<.03	<.008	<.004	<.003	<.003	<.013	<.387	<.003
AUG 10...	<.0020	<.004	<.005	<.049	<.04	<.03	<.008	<.004	<.003	<.003	<.013	<.387	<.003
SEP 14...	<.0020	<.004	<.005	<.049	<.04	<.03	<.008	<.004	<.003	<.003	<.013	<.387	<.003

## 03437400 NORTH FORK LITTLE RIVER AT GARY LANE BRIDGE NEAR HOPKINSVILLE, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metaxyl, water, fltrd, ug/L (61596)	Methi- althion water, fltrd, ug/L (61598)	c-Per- methric acid methyl ester, wat flt ug/L (79842)	Methyl para- oxon, water, fltrd, ug/L (61664)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	t-Per- methric acid methyl ester, wat flt ug/L (79843)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)
OCT 15...	<0.004	<0.035	<0.008	<0.027	<0.005	<0.006	<0.04	<0.03	<0.006	<0.03	0.017	<0.006	<0.002
NOV 12...	<.004	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.015	<.03	.014	<.006	<.003
FEB 17...	<.004	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.015	<.03	E.012	<.006	<.003
MAR 16...	<.004	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.015	<.03	.015	<.006	<.003
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 14...	<.004	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.015	<.03	.028	<.006	<.003
30...	<.004	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.015	<.03	.027	<.006	<.003
MAY 06...	<.004	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.015	<.03	.022	<.006	<.003
JUN 15...	<.004	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.015	<.03	.027	<.006	<.003
JUL 14...	<.004	<.035	<.030	<.027	<.005	<.006	<.02	<.03	<.015	<.01	.027	<.006	<.003
27...	<.004	<.035	<.030	<.027	<.005	<.006	<.02	<.03	<.015	<.01	.043	<.006	<.003
27...	<.004	<.035	<.030	<.027	.018	<.006	<.02	<.03	<.015	<.01	.019	.008	<.003
AUG 10...	<.004	<.035	<.030	<.027	<.200	<.006	<.02	<.03	<.015	<.01	.062	<.006	<.003
SEP 14...	<.004	<.035	<.030	<.027	<.005	<.006	<.02	<.03	<.015	<.01	.030	<.006	<.003

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Myclo- butanil water, fltrd, ug/L (61599)	Naprop- amide, water, fltrd 0.7u GF ug/L (82684)	O-Et-O- Me-S-Pr -phos- phoro- thioate wat flt ug/L (61660)	Oxy- fluor- fen, water, fltrd, ug/L (61600)	p,p'- DDE, water, fltrd, ug/L (34653)	Para- oxon, water, fltrd, ug/L (61663)	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)
OCT 15...	<0.008	<0.007	<0.008	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10	<0.011	<0.06	<0.008
NOV 12...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008
FEB 17...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	--	--
MAR 16...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 14...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008
30...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	.076	<.10	<.011	<.06	<.008
MAY 06...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008
JUN 15...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008
JUL 14...	<.008	<.007	<.005	<.007	<.003	<.016	<.010	<.004	<.022	<.10	<.011	<.05	<.008
27...	<.008	<.007	<.005	<.007	<.003	<.016	<.010	<.004	<.022	<.10	<.011	--	<.008
27...	<.008	<.007	<.005	<.007	<.003	<.016	<.010	<.004	<.022	<.10	<.011	--	<.008
AUG 10...	<.008	<.007	<.005	<.007	<.003	<.070	<.010	<.004	<.022	<.10	<.011	--	<.008
SEP 14...	<.008	<.007	<.005	<.007	<.003	<.016	<.010	<.004	<.022	<.10	<.011	--	--

## 03437400 NORTH FORK LITTLE RIVER AT GARY LANE BRIDGE NEAR HOPKINSVILLE, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Phoste- bupirim water, fltrd, ug/L (61602)	Pro- fenofos water, fltrd, ug/L (61603)	Prome- ton, water, fltrd, ug/L (04037)	Prome- tryn, water, fltrd, ug/L (04036)	Propy- zamide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Propet- amphos, water, fltrd, ug/L (61604)	Sima- zine, water, fltrd, ug/L (04035)	Sulfo- tepp, water, fltrd, ug/L (61605)	Sulpro- fos, water, fltrd, ug/L (38716)	Tebu- pirim- oxon, water, fltrd, ug/L (61669)
OCT 15...	<0.005	<0.006	0.04	<0.005	<0.004	<0.010	<0.011	<0.02	<0.004	0.084	<0.003	<0.02	<0.006
NOV 12...	<.005	<.006	.02	<.005	<.010	<.025	<.011	<.02	<.004	.061	<.003	<.02	<.006
FEB 17...	<.005	<.006	.01	<.005	<.004	<.025	<.011	<.02	<.004	.156	<.003	<.02	<.006
MAR 16...	<.005	<.006	.01	<.005	<.004	<.025	<.011	<.02	<.004	.143	<.003	<.02	<.006
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 14...	<.005	<.006	.08	<.005	.011	<.025	<.011	<.02	<.004	4.90	<.003	<.02	<.006
30...	<.005	<.006	.06	<.005	<.004	<.025	<.011	<.02	<.004	.415	<.003	<.02	<.006
MAY 06...	<.005	<.006	.02	<.005	<.004	<.025	<.011	<.02	<.004	.502	<.003	<.02	<.006
JUN 15...	<.005	<.006	.02	<.005	<.004	<.025	<.011	<.02	<.004	.208	<.003	<.02	<.006
JUL 14...	<.005	<.006	.03	<.005	<.007	<.025	<.011	<.02	<.004	.128	<.003	<.02	<.006
27...	<.005	<.006	.03	<.005	<.015	<.025	<.030	<.02	<.004	.157	<.003	<.02	<.006
27...	<.005	<.006	.02	<.005	<.004	<.025	<.011	<.02	<.004	.032	<.003	<.02	<.006
AUG 10...	<.005	<.006	.03	<.005	<.010	<.025	<.015	<.02	<.004	.038	<.003	<.02	<.006
SEP 14...	<.005	<.006	.02	<.005	<.004	<.025	<.011	<.02	<.004	.047	<.003	<.02	<.006

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	Teflu- thrin, water, fltrd, ug/L (61606)	Tem- phos, water, fltrd, ug/L (61607)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Ter- bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Ter- buthyl- azine, water, fltrd, ug/L (04022)	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	trans- Propi- cona- zole, water, fltrd, ug/L (79847)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tribu- phos, water, fltrd, ug/L (61610)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	(Z)-Di- metho- morph, water, fltrd, ug/L (79845)
OCT 15...	<0.02	<0.008	<0.3	<0.034	<0.07	<0.02	<0.01	<0.005	<0.01	<0.002	<0.004	<0.009	<0.05
NOV 12...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
FEB 17...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
MAR 16...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 14...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
30...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
MAY 06...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
JUN 15...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
JUL 14...	.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
27...	.03	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
27...	E.01	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
AUG 10...	.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
SEP 14...	.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05

03437400 NORTH FORK LITTLE RIVER AT GARY LANE BRIDGE NEAR HOPKINSVILLE, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Di- chlor- vos, water fltrd, ug/L (38775)	Sus- pended sedi- ment concen- tration mg/L (80154)
OCT		
15...	<0.01	3
NOV		
12...	<.01	2
FEB		
17...	<.01	4
MAR		
16...	<.01	4
16...	--	--
APR		
14...	<.01	201
30...	<.01	56
MAY		
06...	<.01	20
JUN		
15...	<.01	6
JUL		
14...	<.01	81
27...	<.01	6
27...	<.01	7
AUG		
10...	<.01	6
SEP		
14...	<.01	5

---

E--Laboratory estimated value.

M--Presence of material verified but not quantified.

<--Numeric result is less than the value shown.

## 03437600 SOUTH FORK LITTLE RIVER AT KY 107 NEAR HOPKINSVILLE, KY

## WATER-QUALITY RECORDS

LOCATION.--Lat 36°47'52", long 87°30'52", Christian County, Hydrologic Unit 05130205. "

DRAINAGE AREA.--68 mi<sup>2</sup>.

PERIOD OF RECORD.--March 2003 to current water year.

COOPERATION.--Kentucky Department of Agriculture.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltrd 25 degC (00095)	Temperature, deg C (00010)	Alkalinity, wat fltr inc tit field, mg/L as CaCO <sub>3</sub> (39086)	Bicarbonate, wat fltr incrm. titr., mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT 15...	1210	Environmental	9.8	761	9.0	7.6	523	18.9	216	263	<0.04	2.28
NOV 12...	1210	Environmental	19	762	9.0	7.7	520	16.1	220	268	<.04	1.40
FEB 17...	1210	Environmental	83	772	14.5	--	467	8.0	187	228	<.04	4.75
MAR 16...	1210	Environmental	56	769	15.9	8.1	451	11.3	181	216	<.04	3.97
APR 14...	1530	Environmental	242	748	12.4	6.8	296	9.5	102	124	.66	4.41
30...	1310	Environmental	200	764	9.3	7.6	372	16.2	154	187	E.03	4.51
30...	1318	Field Blank	--	--	--	--	--	--	--	--	--	--
MAY 06...	1420	Environmental	226	765	10.1	7.6	426	16.2	174	213	<.04	5.73
JUN 15...	1230	Environmental	50	762	5.4	7.7	464	20.7	188	230	<.04	4.89
15...	1238	Field Blank	--	--	--	--	--	--	--	--	<.010	<.016
JUL 14...	0840	Environmental	85	745	7.1	7.3	375	22.1	145	176	<.04	2.93
27...	1130	Environmental	80	766	8.5	7.6	479	19.8	188	230	<.04	3.56
AUG 10...	1110	Environmental	90	764	8.1	7.6	485	19.9	214	261	<.04	4.25
SEP 14...	1100	Environmental	80	767	6.9	7.5	466	19.9	189	227	<.04	2.33

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	1,4-Naphthoquinone, water, fltrd, ug/L (61611)	1-Naphthol, water, fltrd, ug/L (49295)	2-(4-t-Butylphenoxy)cyclohexanol, wat fltr, ug/L (61637)	2,5-Dichloroaniline, water, fltrd, ug/L (61614)	2,6-Diethyl-aniline, water, fltrd, 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)-amino]propan-1-ol, ug/L (61615)	2-Amino-N-isopropylbenzamide, wat fltr, ug/L (61617)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methyl-aniline, water, fltrd, ug/L (61620)	3-(Tri-fluoro-methyl)aniline, water, fltrd, ug/L (61630)	3,4-Di-chloro-aniline, water, fltrd, ug/L (61625)
OCT 15...	0.049	0.073	M	--	<0.01	<0.03	<0.006	<0.1	<0.005	E0.186	<0.004	<0.01	<0.004
NOV 12...	.031	.059	<0.05	<0.09	<.01	<.03	<.006	<.1	<.005	E.216	<.004	<.01	<.004
FEB 17...	.007	.021	<.05	<.09	<.01	<.03	<.006	--	<.005	E.196	<.004	<.01	<.004
MAR 16...	<.006	.019	<.05	<.09	<.01	<.03	<.006	--	<.005	E.156	<.004	<.01	<.004
APR 14...	.111	.23	<.05	<.09	<.01	<.03	<.006	--	<.005	E.997	<.004	<.01	<.004
30...	.042	.20	<.05	<.09	<.01	<.03	<.006	--	<.005	E.336	<.004	<.01	<.004
30...	--	--	<.05	<.09	<.01	<.03	<.006	--	<.005	<.006	<.004	<.01	<.004
MAY 06...	.019	.043	<.05	<.09	<.01	<.03	<.006	--	<.005	E.346	<.004	<.01	<.004
JUN 15...	.028	.051	<.05	<.09	--	<.03	<.006	--	<.005	E.284	<.004	<.01	<.004
15...	E.003	--	--	--	--	--	--	--	--	--	--	--	--
JUL 14...	.093	.165	<.04	<.09	<.01	<.01	<.006	--	<.005	E.178	<.004	<.01	<.004
27...	.030	.050	<.04	--	<.01	.01	<.006	--	<.005	E.218	<.004	<.01	.092
AUG 10...	.039	.058	<.04	--	<.01	<.01	<.006	--	<.005	E.187	<.004	<.01	E.003
SEP 14...	.048	.073	<.04	<.09	<.01	<.01	<.006	--	<.005	E.158	<.004	<.01	<.004

## 03437600 SOUTH FORK LITTLE RIVER AT KY 107 NEAR HOPKINSVILLE, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	3,5-Di-chloro-aniline water, fltrd, ug/L (61627)	4,4-Di' chloro-benzo-phen-one, wat flt ug/L (61631)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	4Chloro phenyl-methyl sulfone water, fltrd, ug/L (61634)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-Endo-sulfan, water, fltrd, ug/L (34362)	alpha-HCH, water, fltrd, ug/L (34253)	alpha-HCH-d6, sur2002 /9002, wat unf percent recovry (99224)	alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)
OCT 15...	<0.005	<0.003	<0.006	<0.03	0.008	0.005	<0.005	<0.005	91.3	96.5	0.187	<0.02	<0.050
NOV 12...	<.005	<.003	<.006	<.03	.010	<.005	<.005	<.005	87.7	97.4	.125	<.02	<.050
FEB 17...	<.005	<.003	<.006	<.03	.008	<.005	<.005	<.005	167	E102	.109	<.02	<.050
MAR 16...	<.005	<.003	<.006	<.03	.007	<.005	<.005	<.005	88.3	87.2	.679	<.02	<.050
APR 14...	<.005	<.003	<.006	<.03	2.21	<.005	<.005	<.005	86.2	103	E22.4	<.02	<.050
30...	<.005	<.003	<.006	<.03	.254	.006	<.005	<.005	89.3	96.7	2.90	<.02	<.050
30...	<.005	<.003	<.006	<.03	<.006	<.005	<.005	<.005	83.5	89.9	<.007	<.02	<.050
MAY 06...	<.005	<.003	<.006	<.03	.075	<.005	<.005	<.005	85.3	98.1	1.34	<.02	<.050
JUN 15...	<.005	<.003	--	<.01	.016	<.005	<.005	<.005	88.4	107	.726	<.02	<.050
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 14...	<.004	<.007	<.006	<.01	<.006	<.005	<.005	<.005	88.0	98.1	.233	<.07	<.050
27...	<.004	<.007	<.006	<.01	.014	<.005	<.005	<.005	88.2	97.9	2.22	<.07	<.050
AUG 10...	<.004	<.007	<.006	<.01	E.005	E.004	<.005	<.005	76.1	79.1	.175	<.07	<.050
SEP 14...	<.004	<.007	<.006	<.01	<.006	<.005	<.005	<.005	86.4	92.6	.161	<.07	<.050

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	beta-Endo-sulfan, water, fltrd, ug/L (34357)	Bifen-thrin, water, fltrd, ug/L (61580)	Butyl-ate, water, fltrd, ug/L (04028)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	cis-Propi-cona-zole, water, fltrd, ug/L (79846)	Cyana-zine, water, fltrd, ug/L (04041)	Cyclo-ate, water, fltrd, ug/L (04031)	lambda-Cyhalo-thrin, water, fltrd, ug/L (61595)
OCT 15...	<0.010	<0.01	<0.005	<0.002	<0.041	<0.020	<0.06	<0.005	<0.006	<0.008	<0.018	<0.005	<0.009
NOV 12...	<0.010	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
FEB 17...	<0.010	<.01	<.005	<.005	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
MAR 16...	<0.010	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
APR 14...	<0.010	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
30...	<0.010	<.01	<.005	<.004	E.012	<.020	<.06	<.005	<.006	.012	<.018	<.005	<.009
30...	<0.010	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
MAY 06...	<0.010	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
JUN 15...	<0.010	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 14...	<0.010	<.01	<.005	<.004	E.049	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
27...	<0.010	<.01	<.005	<.010	E.013	<.050	<.06	<.005	<.006	<.008	<.018	<.005	<.009
AUG 10...	<0.010	<.01	<.005	E.004	E.011	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
SEP 14...	<0.010	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009



## 03437600 SOUTH FORK LITTLE RIVER AT KY 107 NEAR HOPKINSVILLE, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF (82682)	Diazinon, water, fltrd, ug/L (39572)	Dicrotophos, water, fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF (82662)	Disulfoton sulfone water, fltrd, ug/L (61640)	Disulfoton sulf-oxide, water, fltrd, ug/L (61641)	Disulfoton, water, fltrd 0.7u GF (82677)	(E)-Dimethomorph, water, fltrd, ug/L (79844)	Endosulfan ether, water, fltrd, ug/L (61642)	EPTC, water, fltrd 0.7u GF (82668)	Ethalfluralin, water, fltrd 0.7u GF (82663)
OCT 15...	<0.009	<0.003	0.007	<0.08	<0.005	<0.006	<0.02	<0.002	<0.02	<0.02	<0.004	<0.002	<0.009
NOV 12...	<.009	<.003	<.005	<.08	E.005	<.006	<.02	<.002	<.02	<.02	<.004	<.004	<.009
FEB 17...	<.009	<.003	<.005	<.08	<.009	<.006	E.01	E.009	E.01	<.02	<.004	E.003	<.009
MAR 16...	<.009	<.003	<.005	<.08	<.010	<.006	E.01	<.002	<.02	<.02	<.004	<.004	<.009
APR 14...	<.009	<.003	.006	<.08	<.009	<.006	.02	E.019	<.02	<.02	<.004	<.004	<.009
30...	<.009	.003	<.005	<.08	E.006	<.006	E.01	<.002	<.02	<.02	<.004	<.010	<.009
30...	<.009	<.003	<.005	<.08	<.009	<.006	<.02	<.002	<.02	<.02	<.004	<.004	<.009
MAY 06...	<.009	<.003	<.005	<.08	<.009	<.006	<.02	<.002	<.02	<.02	<.004	<.004	<.009
JUN 15...	<.009	<.003	<.005	<.08	<.009	<.006	<.02	<.002	<.02	<.02	<.004	<.004	<.009
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 14...	<.009	<.003	.086	<.08	E.007	<.006	<.01	<.036	<.02	<.02	<.007	.026	<.009
27...	<.009	<.003	.022	<.08	.021	<.006	<.01	<.036	<.02	<.02	<.007	<.004	<.009
AUG 10...	<.009	<.003	<.005	<.08	.009	<.006	<.01	<.036	<.02	<.02	<.007	E.003	<.009
SEP 14...	<.009	<.003	<.005	<.08	<.010	<.006	<.01	<.036	<.02	<.02	<.007	<.004	<.009

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Ethoprop, water, fltrd 0.7u GF (82672)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulf-oxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Fenthion sulf-oxide, water, fltrd, ug/L (61647)	Flumetralin, water, fltrd, ug/L (61592)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)
OCT 15...	<0.03	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.004	<0.002	<0.003	<0.013	<1	<0.003
NOV 12...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
FEB 17...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
MAR 16...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
APR 14...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
30...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
30...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
MAY 06...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
JUN 15...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 14...	<.0020	<.004	<.005	<.049	<.04	<.03	<.008	<.004	<.003	<.003	<.013	<.387	<.003
27...	<.0020	<.004	<.005	<.049	<.04	<.03	<.008	<.004	<.003	<.003	<.013	<.387	<.003
AUG 10...	<.0020	<.004	<.005	<.049	<.04	<.03	<.008	<.004	<.003	<.003	<.013	<.387	<.003
SEP 14...	<.0020	<.004	<.005	<.049	<.04	<.03	<.008	<.004	<.003	<.003	<.013	<.387	<.003

## 03437600 SOUTH FORK LITTLE RIVER AT KY 107 NEAR HOPKINSVILLE, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metaxyl, water, fltrd, ug/L (61596)	Methi- althion water, fltrd, ug/L (61598)	c-Per- methric acid methyl ester, wat flt ug/L (79842)	Methyl para- oxon, water, fltrd, ug/L (61664)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	t-Per- methric acid methyl ester, wat flt ug/L (79843)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)
OCT 15...	<0.004	<0.035	<0.008	<0.027	<0.005	<0.006	<0.04	<0.03	<0.006	<0.03	0.025	<0.006	<0.002
NOV 12...	<.004	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.015	<.03	.024	<.006	<.003
FEB 17...	<.004	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.015	<.03	E.010	<.006	<.003
MAR 16...	<.004	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.015	<.03	E.011	<.006	<.003
APR 14...	<.004	<.035	<.008	.038	<.005	<.006	<.04	<.03	<.015	<.03	.098	<.006	<.003
30...	<.004	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.015	<.03	.047	<.006	<.003
30...	<.004	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.015	<.03	<.013	<.006	<.003
MAY 06...	<.004	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.015	<.03	.032	<.006	<.003
JUN 15...	<.004	<.035	<.008	<.027	.022	<.006	<.04	<.03	<.015	<.03	.016	<.006	<.003
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 14...	<.004	<.035	<.030	<.027	.016	<.006	<.02	<.03	<.015	<.01	.015	<.006	<.003
27...	<.004	<.035	<.030	<.027	<.005	<.006	<.02	<.03	<.015	<.01	.045	<.006	<.003
AUG 10...	<.004	<.035	<.030	<.027	.011	<.006	<.02	<.03	<.015	<.01	.013	.006	<.003
SEP 14...	<.004	<.035	<.030	E.010	<.005	<.006	<.02	<.03	<.015	<.01	E.012	<.006	<.003

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Myclo- butanil water, fltrd, ug/L (61599)	Naprop- amide, water, fltrd 0.7u GF ug/L (82684)	O-Et-O- Me-S-Pr -phos- phorothioate wat flt ug/L (61660)	Oxy- fluor- fen, water, fltrd, ug/L (61600)	p,p'- DDE, water, fltrd, ug/L (34653)	Para- oxon, water, fltrd, ug/L (61663)	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)
OCT 15...	<0.008	<0.007	<0.008	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10	<0.011	<0.06	<0.008
NOV 12...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008
FEB 17...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	--	--
MAR 16...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	--	--
APR 14...	<.008	.022	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008
30...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	E.010	<.10	<.011	<.06	<.008
30...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008
MAY 06...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008
JUN 15...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 14...	<.008	<.007	<.005	<.007	<.003	<.016	<.010	<.004	<.022	<.10	<.011	<.05	<.008
27...	<.008	<.007	<.005	<.007	<.003	<.016	<.010	<.004	<.022	<.10	<.011	--	<.008
AUG 10...	<.008	<.007	<.005	<.007	<.003	<.016	<.010	<.004	<.022	<.10	<.011	--	<.008
SEP 14...	<.008	<.007	<.005	<.007	<.003	<.016	<.010	<.004	<.022	<.10	<.011	--	--

## 03437600 SOUTH FORK LITTLE RIVER AT KY 107 NEAR HOPKINSVILLE, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Phoste- bupirim water, fltrd, ug/L (61602)	Pro- fenofos water, fltrd, ug/L (61603)	Prome- ton, water, fltrd, ug/L (04037)	Prome- tryn, water, fltrd, ug/L (04036)	Propy- zamide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Propet- amphos, water, fltrd, ug/L (61604)	Sima- zine, water, fltrd, ug/L (04035)	Sulfo- tepp, water, fltrd, ug/L (61605)	Sulpro- fos, water, fltrd, ug/L (38716)	Tebu- pirim- oxon, water, fltrd, ug/L (61669)
OCT 15...	<0.005	<0.006	E0.01	<0.005	<0.004	<0.010	<0.011	<0.02	<0.004	0.023	<0.003	<0.02	<0.006
NOV 12...	<.005	<.006	.01	<.005	<.004	<.025	<.011	<.02	<.004	.024	<.003	<.02	<.006
FEB 17...	<.005	<.006	.01	<.005	<.004	<.025	<.011	<.02	<.004	.082	<.003	<.02	<.006
MAR 16...	<.005	<.006	.01	<.005	<.004	<.025	<.011	<.02	<.004	.073	<.003	<.02	<.006
APR 14...	<.005	<.006	.05	<.005	.012	<.025	<.011	<.02	<.004	.771	<.003	<.02	<.006
30...	<.005	<.006	.05	<.005	.008	<.025	<.011	<.02	<.004	.296	<.003	<.02	<.006
30...	<.005	<.006	<.01	<.005	<.004	<.025	<.011	<.02	<.004	<.005	<.003	<.02	<.006
MAY 06...	<.005	<.006	.02	<.005	<.004	<.025	<.011	<.02	<.004	.139	<.003	<.02	<.006
JUN 15...	<.005	<.006	.04	<.005	<.004	<.025	<.011	<.03	<.004	.094	<.003	<.02	<.006
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 14...	<.005	<.006	.02	<.005	<.004	<.025	<.011	<.02	<.004	.024	<.003	<.02	<.006
27...	<.005	<.006	.03	<.005	<.015	<.025	<.025	<.02	<.004	.168	<.003	<.02	<.006
AUG 10...	<.005	<.006	.01	<.005	<.004	<.025	<.011	<.02	<.004	.018	<.003	<.02	<.006
SEP 14...	<.005	<.006	.01	<.005	<.004	<.025	<.011	<.02	<.004	.021	<.003	<.02	<.006

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	Teflu- thrin, water, fltrd, ug/L (61606)	Tem- phos, water, fltrd, ug/L (61607)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Ter- bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Ter- buthyl- azine, water, fltrd, ug/L (04022)	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	trans- Propi- cona- zole, water, fltrd, ug/L (79847)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tribu- phos, water, fltrd, ug/L (61610)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	(Z)-Di- metho- morph, water, fltrd, ug/L (79845)
OCT 15...	<0.02	<0.008	<0.3	<0.034	<0.07	<0.02	<0.01	<0.005	<0.01	<0.002	<0.004	<0.009	<0.05
NOV 12...	E.01	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
FEB 17...	E.01	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
MAR 16...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
APR 14...	<.02	<.008	<.3	<.034	<.07	<.02	E.01	<.010	<.01	<.002	<.004	<.009	<.05
30...	E.02	<.008	<.3	<.034	<.07	<.02	E.01	<.010	.02	<.002	<.004	<.009	<.05
30...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
MAY 06...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
JUN 15...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 14...	E.01	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
27...	.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
AUG 10...	.04	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
SEP 14...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05

03437600 SOUTH FORK LITTLE RIVER AT KY 107 NEAR HOPKINSVILLE, KY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Di- chlor- vos, water fltrd, ug/L (38775)	Sus- pended sedi- ment concen- tration mg/L (80154)
OCT		
15...	<0.01	2
NOV		
12...	<.01	1
FEB		
17...	<.01	6
MAR		
16...	<.01	2
APR		
14...	<.01	63
30...	<.01	182
30...	<.01	--
MAY		
06...	<.01	17
JUN		
15...	<.01	3
15...	--	--
JUL		
14...	<.01	59
27...	<.01	3
AUG		
10...	<.01	5
SEP		
14...	<.01	4

---

E--Laboratory estimated value.

M--Presence of material verified but not quantified.

<--Numeric result is less than the value shown.

## WATER-QUALITY RECORDS

LOCATION.--Lat 36°47'02", long 87°32'50", Christian County, Hydrologic Unit 05130205.

PERIOD OF RECORD.--March 2003 to current water year.

COOPERATION.--Kentucky Department of Agriculture.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
APR 14...	1140	Environmental	688	748	12.9	6.1	302	8.1	108	131	00.22	2.03
JUL 14...	1410	Environmental	187	745	7.9	7.3	388	23.5	144	175	<.04	2.87
14...	1418	Field Blank	--	--	--	--	--	--	--	--	--	--

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	1,4-Naphthoquinone, water, fltrd, ug/L (61611)	1-Naphthol, water, fltrd, 0.7u GF ug/L (49295)	2-(4-t-Butylphenoxy)cyclohexanol, wat flt ug/L (61637)	2,5-Dichloroaniline, water, fltrd, ug/L (61614)	2,6-Diethyl-aniline, water, fltrd, 0.7u GF ug/L (82660)	2-Amino-N-isopropylbenzamide, wat flt ug/L (61617)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methyl-aniline, water, fltrd, ug/L (61620)	3-(Tri-fluoro-methyl)aniline, water, fltrd, ug/L (61630)	3,4-Di-chloro-aniline, water, fltrd, ug/L (61625)	3,5-Di-chloro-aniline, water, fltrd, ug/L (61627)
APR 14...	0.116	0.36	<0.05	<0.09	<0.01	<0.03	<0.006	<0.005	E0.209	<0.004	<0.01	<0.004	<0.005
JUL 14...	.191	.33	<.04	<.09	<.01	<.01	<.006	<.005	E.194	<.004	<.01	.017	<.004
14...	--	--	--	--	--	--	<.006	--	<.006	--	--	--	--

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	4,4-Di'chloro-benzo-phenone, wat flt ug/L (61631)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	4Chloro phenyl-methyl sulfone, water, fltrd, ug/L (61634)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-Endo-sulfan, water, fltrd, ug/L (34362)	alpha-HCH, water, fltrd, ug/L (34253)	alpha-HCH-d6, sur2002 /9002, wat unfltrd percent recovry (99224)	alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd, 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd, 0.7u GF ug/L (82673)
APR 14...	<0.003	<0.006	<0.03	0.718	<0.005	<0.005	<0.005	80.0	97.3	12.4	<0.02	<0.050	<0.010
JUL 14...	<0.007	<0.006	<.01	<.007	<.005	<.005	<.005	80.8	90.5	0.716	<.07	<.050	<.010
14...	--	--	--	<.006	<.005	--	<.005	--	94.8	<.007	--	<.050	<.010

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	beta-Endo-sulfan, water, fltrd, ug/L (34357)	Bifen-thrin, water, fltrd, ug/L (61580)	Butyl-ate, water, fltrd, ug/L (04028)	Car-baryl, water, fltrd, 0.7u GF ug/L (82680)	Carbo-furan, water, fltrd, 0.7u GF ug/L (82674)	Chlor-pyri-fos oxon, water, fltrd, ug/L (61636)	Chlor-pyri-fos, water, fltrd, ug/L (38933)	cis-Per-methrin, water, fltrd, 0.7u GF ug/L (82687)	cis-Propi-cona-zole, water, fltrd, ug/L (79846)	Cyana-zine, water, fltrd, ug/L (04041)	Cyclo-ate, water, fltrd, ug/L (04031)	lambda-Cyhalo-thrin, water, fltrd, ug/L (61595)	Cyper-methrin, water, fltrd, ug/L (61586)
APR 14...	<0.01	<0.005	<0.004	E0.044	<0.020	<0.06	<0.005	<0.006	<0.008	<0.018	<0.005	<0.009	<0.009
JUL 14...	<.01	<.005	<.004	E.016	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009	<.009
14...	--	--	<.004	<.041	<.020	--	<.005	<.006	--	<.018	--	--	--

## 03437680 LITTLE RIVER AT KY 345 NEAR CADIZ, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi- non, water, fltrd, ug/L (39572)	Dicro- tophos, water, fltrd, ug/L (38454)	Diel- drin, water, fltrd, ug/L (39381)	Dimeth- oate, water, fltrd 0.7u GF ug/L (82662)	Disulf- oton sulfone water, fltrd, ug/L (61640)	Disulf- oton sulf- oxide, water, fltrd, ug/L (61641)	Disulf- oton, water, fltrd 0.7u GF ug/L (82677)	(E)-Di- metho- morph, water, fltrd, ug/L (79844)	Endo- sulfan ether, water, fltrd, ug/L (61642)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal- flur- alin, water, fltrd 0.7u GF ug/L (82663)	Ethion monoxon water, fltrd, ug/L (61644)
APR 14...	<0.003	0.006	<0.08	<0.009	<0.006	E0.01	<0.002	<0.02	<0.02	<0.004	<0.004	<0.009	<0.03
JUL 14...	<.003	.048	<.08	<.009	<.006	<.01	<.036	<.02	<.02	<.007	<.004	<.009	<.0020
14...	<.003	<.005	--	<.009	--	--	--	<.02	--	--	<.004	<.009	--

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ethion, water, fltrd, ug/L (82346)	Etho- prop, water, fltrd 0.7u GF ug/L (82672)	Fenami- phos sulfone water, fltrd, ug/L (61645)	Fenami- phos sulf- oxide, water, fltrd, ug/L (61646)	Fenami- phos, water, fltrd, ug/L (61591)	Fen- thion sulf- oxide, water, fltrd, ug/L (61647)	Flume- tralin, water, fltrd, ug/L (61592)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexa- zinone, water, fltrd, ug/L (04025)	Ipro- dione, water, fltrd, ug/L (61593)	Isofen- phos, water, fltrd, ug/L (61594)	Lindane water, fltrd, ug/L (39341)
APR 14...	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.004	<0.002	<0.003	<0.013	<1	<0.003	<0.004
JUL 14...	<.004	<.005	<.049	<.04	<.03	<.008	<.004	<.003	<.003	<.013	<.0387	<.003	<.004
14...	--	<.005	--	--	--	--	--	--	<.003	--	--	--	<.004

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Linuron water fltrd 0.7u GF ug/L (82666)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metaxyl, water, fltrd, ug/L (61596)	Methi- althion water, fltrd, ug/L (61598)	c-Per- methric acid methyl ester, wat flt ug/L (79842)	Methyl para- oxon, water, fltrd, ug/L (61664)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	t-Per- methric acid methyl ester, wat flt ug/L (79843)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)	Myclo- butanil water, fltrd, ug/L (61599)
APR 14...	<0.035	<0.008	<0.027	<0.005	<0.006	<0.04	<0.03	<0.015	<0.03	0.030	<0.006	<0.003	<0.008
JUL 14...	<.035	<.030	<.027	<.005	<.006	<.02	<.03	<.015	<.01	.018	<.006	<.003	<.008
14...	<.035	--	<.027	--	--	--	--	<.015	--	<.013	<.006	<.003	--

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Naprop- amide, water, fltrd 0.7u GF ug/L (82684)	O-Et-O- Me-S-Pr -phos- phoro- thioate wat flt ug/L (61660)	Oxy- fluor- fen, water, fltrd, ug/L (61600)	p,p'- DDE, water, fltrd, ug/L (34653)	Para- oxon, water, fltrd, ug/L (61663)	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Phoste- bupirim water, fltrd, ug/L (61602)
APR 14...	<0.007	<0.008	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10	<0.011	<0.06	<0.008	<0.005
JUL 14...	<.007	<.005	<.007	<.003	<.016	<.010	<.004	<.022	<.10	<.011	<.05	<.008	<.005
14...	<.007	--	--	<.003	--	<.010	<.004	<.022	--	<.011	--	--	--

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Pro- fenofos water, fltrd, ug/L (61603)	Prome- ton, water, fltrd, ug/L (04037)	Prome- tryn, water, fltrd, ug/L (04036)	Propy- zamide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Propet- amphos, water, fltrd, ug/L (61604)	Sima- zine, water, fltrd, ug/L (04035)	Sulfo- tepp, water, fltrd, ug/L (61605)	Sulpro- fos, water, fltrd, ug/L (38716)	Tebu- pirim- phos oxon, water, fltrd, ug/L (61669)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)
APR 14...	<0.006	0.06	<0.005	0.012	<0.025	<0.011	<0.02	<0.004	2.40	<0.003	<0.02	<0.006	<0.02
JUL 14...	<.006	.01	<.005	<.007	<.025	<.011	<.03	<.004	0.066	<.003	<.02	<.006	E.01
14...	--	<.01	--	<.004	<.025	<.011	<.02	--	<.005	--	--	--	<.02

## CUMBERLAND RIVER BASIN

03437680 LITTLE RIVER AT KY 345 NEAR CADIZ, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Teflu- thrin, water, fltrd, ug/L (61606)	Teme- phos, water, fltrd, ug/L (61607)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Ter- bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Ter- buthyl- azine, water, fltrd, ug/L (04022)	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	trans- Propi- cona- zole, water, fltrd, ug/L (79847)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tribu- phos, water, fltrd, ug/L (61610)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	(Z)-Di- metho- morph, water, fltrd, ug/L (79845)	Di- chlor- vos, water fltrd, ug/L (38775)
APR 14...	<0.008	<0.3	<0.034	<0.07	<0.02	<0.01	<0.010	<0.01	<0.002	<0.004	<0.009	<0.05	<0.01
JUL 14...	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05	<.01
14...	--	--	<.034	--	<.02	--	<.010	--	<.002	--	<.009	--	--

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sus- pended sedi- ment concen- tration mg/L (80154)
APR 14...	173
JUL 14...	67
14...	--

E--Laboratory estimated value.  
M--Presence of material verified but not quantified.  
<--Numeric result is less than the value shown.

03437990 CASEY CREEK AT KY 525 NEAR CADIZ, KY

WATER-QUALITY RECORDS

LOCATION.--Lat 36°45'21", long 87°43'31", Trigg County, Hydrologic Unit 05130205.

DRAINAGE AREA.--306 mi<sup>2</sup>.

PERIOD OF RECORD.--March 2003 to current water year.

COOPERATION.--Kentucky Department of Agriculture.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)
APR 14...	1130	Environmental	84	769	11.8	7.3	209	11.8	85	104	<0.04	0.36
JUL 14...	1500	Environmental	13	762	11.3	7.6	313	19.4	140	171	<.04	2.34

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	1,4-Naphthoquinone, water, fltrd, ug/L (61611)	1-Naphthol, water, fltrd, 0.7u GF (49295)	2-(4-t-Butylphenoxy)cyclohexanol, wat flt ug/L (61637)	2,5-Dichloroaniline, water, fltrd, ug/L (61614)	2,6-Diethyl-aniline, water, fltrd, 0.7u GF (82660)	2-Amino-N-isopropylbenzamide, wat flt ug/L (61617)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methyl-aniline, water, fltrd, ug/L (61620)	3-(Tri-fluoro-methyl) aniline, water, fltrd, ug/L (61630)	3,4-Di-chloro-aniline, water, fltrd, ug/L (61625)	3,5-Di-chloro-aniline, water, fltrd, ug/L (61627)
APR 14...	<0.006	0.051	<0.05	<0.09	<0.01	<0.03	<0.006	<0.005	E0.406	<0.004	<0.01	<0.004	<0.005
JUL 14...	.021	.035	<.04	<.09	<.01	<.01	<.006	<.005	E.169	<.004	<.01	<.004	<.004

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	4,4-Di'chloro-benzo-phenone, wat flt ug/L (61631)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	4Chloro phenyl-methyl sulfone, water, fltrd, ug/L (61634)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-Endo-sulfan, water, fltrd, ug/L (34362)	alpha-HCH, water, fltrd, ug/L (34253)	alpha-HCH-d6, sur2002 /9002, wat unfltrd percent recovry (99224)	alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd, 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd, 0.7u GF ug/L (82673)
APR 14...	<0.003	<0.006	<0.03	0.016	<0.005	<0.005	<0.005	80.8	93.4	8.19	<0.02	<0.050	<0.010
JUL 14...	<.007	<.006	<.01	<.006	<.005	<.005	<.005	82.6	97.9	0.126	<.07	<.050	<.010

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	beta-Endo-sulfan, water, fltrd, ug/L (34357)	Bifen-thrin, water, fltrd, ug/L (61580)	Butyl-ate, water, fltrd, ug/L (04028)	Car-baryl, water, fltrd, 0.7u GF ug/L (82680)	Carbo-furan, water, fltrd, 0.7u GF ug/L (82674)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin, water, fltrd, 0.7u GF ug/L (82687)	cis-Propi-cona-zole, water, fltrd, ug/L (79846)	Cyana-zine, water, fltrd, ug/L (04041)	Cyclo-ate, water, fltrd, ug/L (04031)	lambda-Cyhalo-thrin, water, fltrd, ug/L (61595)	Cyper-methrin, water, fltrd, ug/L (61586)
APR 14...	<0.01	<0.005	<0.004	<0.041	<0.020	<0.06	<0.005	<0.006	<0.008	<0.018	<0.005	<0.009	<0.009
JUL 14...	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009	<.009



## 03437990 CASEY CREEK AT KY 525 NEAR CADIZ, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi- non, water, fltrd, ug/L (39572)	Dicro- tophos, water, fltrd, ug/L (38454)	Diel- drin, water, fltrd, ug/L (39381)	Dimeth- oate, water, fltrd 0.7u GF ug/L (82662)	Disulf- oton sulfone water, fltrd, ug/L (61640)	Disulf- oton sulf- oxide, water, fltrd, ug/L (61641)	Disulf- oton, water, fltrd 0.7u GF ug/L (82677)	(E)-Di- metho- morph, water, fltrd, ug/L (79844)	Endo- sulfan ether, water, fltrd, ug/L (61642)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal- flur- alin, water, fltrd 0.7u GF ug/L (82663)	Ethion monoxon water, fltrd, ug/L (61644)
APR 14...	<0.003	E0.004	<0.08	<0.009	<0.006	<0.02	<0.002	<0.02	<0.02	<0.004	<0.004	<0.009	<0.03
JUL 14...	<.003	<.005	<.08	<.009	<.006	<.01	<.036	<.02	<.02	<.007	<.004	<.009	<.0020

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ethion, water, fltrd, ug/L (82346)	Etho- prop, water, fltrd, 0.7u GF ug/L (82672)	Fenami- phos sulfone water, fltrd, ug/L (61645)	Fenami- phos sulf- oxide, water, fltrd, ug/L (61646)	Fenami- phos, water, fltrd, ug/L (61591)	Fen- thion sulf- oxide, water, fltrd, ug/L (61647)	Flume- tralin, water, fltrd, ug/L (61592)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexa- zinone, water, fltrd, ug/L (04025)	Ipro- dione, water, fltrd, ug/L (61593)	Isofen- phos, water, fltrd, ug/L (61594)	Lindane water, fltrd, ug/L (39341)
APR 14...	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.004	<0.002	<0.003	<0.013	<1	<0.003	<0.004
JUL 14...	<.004	<.005	<.049	<.04	<.03	<.008	<.004	<.003	<.003	<.013	<.0387	<.003	<.004

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Linuron water fltrd 0.7u GF ug/L (82666)	Mala- oxon, water, fltrd, ug/L (61652)	Mala- thion, water, fltrd, ug/L (39532)	Meta- laxyl, water, fltrd, ug/L (61596)	Methi- althion water, fltrd, ug/L (61598)	c-Per- methric acid methyl ester, wat flt ug/L (79842)	Methyl para- oxon, water, fltrd, ug/L (61664)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	t-Per- methric acid methyl ester, wat flt ug/L (79843)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)	Myclo- butanil water, fltrd, ug/L (61599)
APR 14...	<0.035	<0.008	<0.027	<0.005	<0.006	<0.04	<0.03	<0.015	<0.03	E0.011	<0.006	<0.003	<0.008
JUL 14...	<.035	<.030	<.027	.006	<.006	<.02	<.03	<.015	<.01	<.013	<.006	<.003	<.008

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Naprop- amide, water, fltrd 0.7u GF ug/L (82684)	O-Et-O- Me-S-Pr -phos- phoro- thioate wat flt ug/L (61660)	Oxy- fluor- fen, water, fltrd, ug/L (61600)	p,p'- DDE, water, fltrd, ug/L (34653)	Para- oxon, water, fltrd, ug/L (61663)	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Phoste- bupirim water, fltrd, ug/L (61602)
APR 14...	<0.007	<0.008	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10	<0.011	<0.06	<0.008	<0.005
JUL 14...	<.007	<.005	<.007	<.003	<.016	<.010	<.004	<.022	<.10	<.011	<.05	<.008	<.005

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Pro- fenofos water, fltrd, ug/L (61603)	Prome- ton, water, fltrd, ug/L (04037)	Prome- tryn, water, fltrd, ug/L (04036)	Propy- zamide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Propet- amphos, water, fltrd, ug/L (61604)	Sima- zine, water, fltrd, ug/L (04035)	Sulfo- tepp, water, fltrd, ug/L (61605)	Sulpro- fos, water, fltrd, ug/L (38716)	Tebu- pirim- phos oxon, water, fltrd, ug/L (61669)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)
APR 14...	<0.006	<0.01	<0.005	<0.004	<0.025	<0.011	<0.02	<0.004	0.845	<0.003	<0.02	<0.006	<0.02
JUL 14...	<.006	<.01	<.005	<.004	<.025	<.011	<.02	<.004	.024	<.003	<.02	<.006	<.02

03437990 CASEY CREEK AT KY 525 NEAR CADIZ, KY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Teflu- thrin, water, fltrd, ug/L (61606)	Teme- phos, water, fltrd, ug/L (61607)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Ter- bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Ter- buthyl- azine, water, fltrd, ug/L (04022)	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	trans- Propi- cona- zole, water, fltrd, ug/L (79847)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tribu- phos, water, fltrd, ug/L (61610)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	(Z)-Di- metho- morph, water, fltrd, ug/L (79845)	Di- chlor- vos, water fltrd, ug/L (38775)
APR 14...	<0.008	<0.3	<0.034	<0.07	<0.02	<0.01	<0.010	<0.01	<0.002	<0.004	<0.009	<0.05	<0.01
JUL 14...	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05	<.01

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sus- pended sediment concentration mg/L (80154)
APR 14...	53
JUL 14...	2

E--Laboratory estimated value.  
M--Presence of material verified but not quantified.  
<--Numeric result is less than the value shown.

## 03438000 LITTLE RIVER NEAR CADIZ, KY—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 2003 to current water year.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltrd 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO <sub>3</sub> (39086)	Bicarbonate, wat flt incrm. titr., mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT 16...	1420	Environmental	E76	763	9.4	7.7	475	18.4	196	239	<0.04	3.50
NOV 13...	1250	Environmental	E47	777	9.7	7.8	504	13.5	--	243	<.04	2.54
NOV 13...	1258	Field Blank	--	--	--	--	--	--	--	--	--	--
FEB 18...	1400	Environmental	296	771	14.2	8.0	385	9.1	166	202	<.04	4.48
MAR 17...	1300	Environmental	195	768	13.5	8.5	431	12.2	174	203	<.04	3.67
MAR 17...	1310	Replicate	--	--	--	--	--	--	173	208	<.04	3.66
APR 14...	1330	Environmental	E986	768	10.9	7.7	439	11.1	165	201	.04	3.83
APR 28...	1150	Environmental	704	769	9.8	7.3	370	14.6	139	170	<.04	4.23
MAY 05...	1440	Environmental	773	765	10.6	7.5	328	15.8	134	163	<.04	4.16
MAY 05...	1448	Field Blank	--	--	--	--	--	--	--	--	<.010	E0.009
JUN 16...	1400	Environmental	E441	766	9.0	7.7	403	20.9	161	196	<.04	4.71
JUL 14...	1240	Environmental	E165	765	8.3	7.7	372	23.5	152	185	<.04	3.45
JUL 28...	1050	Environmental	76	770	8.3	7.8	431	20.4	175	214	<.04	3.81
AUG 11...	1250	Environmental	E160	766	8.4	7.8	416	20.2	178	218	<.04	3.81
SEP 16...	1230	Environmental	65	763	7.2	7.4	390	20.3	154	188	<.04	3.29

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	3,5-Dichloro-aniline water, fltrd, ug/L (61627)	4,4-Di'chloro-benzo-phenone, wat flt (61631)	4Chloro-2methyl phenol, water, fltrd, ug/L (61633)	4Chloro-phenyl-methyl sulfone water, fltrd, ug/L (61634)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-Endo-sulfan, water, fltrd, ug/L (34362)	alpha-HCH, water, fltrd, ug/L (34253)	alpha-HCH-d6, sur2002 /9002, wat unfltrd percent recovery (99224)	alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovery (91065)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd, 0.7u GF (82686)
OCT 16...	<0.005	<0.003	<0.006	<0.03	<0.006	E0.003	<0.005	<0.005	85.3	103	0.249	<0.02	<0.200
NOV 13...	<.005	<.003	<.006	<.03	<.006	<.005	<.005	<.005	90.4	88.7	.210	<.02	<.050
NOV 13...	<.005	<.003	<.006	<.03	<.006	<.005	<.005	<.005	94.6	94.6	<.007	<.02	<.050
FEB 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 17...	<.005	<.003	<.006	<.03	.011	<.005	<.005	<.005	93.7	90.3	.465	<.02	<.050
MAR 17...	<.005	<.003	<.006	<.03	.011	<.005	<.005	<.005	90.5	86.9	.503	<.02	<.050
APR 14...	<.005	<.003	<.006	<.03	.026	<.005	<.005	<.005	84.0	97.8	7.25	<.02	<.050
APR 28...	<.005	<.003	<.006	<.03	.117	<.005	<.005	<.005	84.1	92.9	3.39	<.02	<.050
MAY 05...	<.005	<.003	<.006	<.03	.054	<.005	<.005	<.005	85.6	99.4	2.87	<.02	<.050
MAY 05...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 16...	<.005	<.003	--	<.01	.022	<.005	<.005	<.005	88.1	110	.602	<.02	<.050
JUL 14...	<.004	<.007	<.006	<.01	.008	<.005	<.005	<.005	83.5	92.3	1.06	<.07	<.050
JUL 28...	<.004	<.007	<.006	<.01	.011	<.005	<.005	<.005	80.6	91.0	.817	<.07	<.050
AUG 11...	<.004	<.007	<.006	<.01	E.005	<.005	<.005	<.005	79.3	88.8	.164	<.07	<.050
SEP 16...	<.004	<.007	<.006	<.01	<.006	<.005	<.005	<.005	85.7	98.3	.174	<.07	<.050

## 03438000 LITTLE RIVER NEAR CADIZ, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ben-flu- alin, water, fltrd 0.7u GF (82673)	beta- Endo- sulfan, water, fltrd, ug/L (34357)	Bifen- thrin, water, fltrd, ug/L (61580)	Butyl- ate, water, fltrd, ug/L (04028)	Car- baryl, water, fltrd 0.7u GF (82680)	Carbo- furan, water, fltrd 0.7u GF (82674)	Chlor- pyrifos oxon, water, fltrd, ug/L (61636)	Chlor- pyrifos water, fltrd, ug/L (38933)	cis- Per- methrin water fltrd 0.7u GF (82687)	cis- Propi- cona- zole, water, fltrd, ug/L (79846)	Cyana- zine, water, fltrd, ug/L (04041)	Cyclo- ate, water, fltrd, ug/L (04031)	lambda- Cyhalo- thrin, water, fltrd, ug/L (61595)
OCT 16...	<0.010	<0.01	<0.005	<0.002	<0.041	<0.020	<0.06	<0.005	<0.006	<0.008	<0.018	<0.005	<0.009
NOV 13...	<.010	<.01	<.005	<.004	E.013	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
13...	<.010	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
FEB 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 17...	<.010	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
17...	<.010	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
APR 14...	<.010	<.01	<.005	<.007	E.005	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
28...	<.010	<.01	<.005	<.004	E.007	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
MAY 05...	<.010	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
05...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 16...	<.010	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
JUL 14...	<.010	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
28...	<.010	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
AUG 11...	<.010	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
SEP 16...	<.010	<.01	<.041	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Cyber- methrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF (82682)	Diazi- non, water, fltrd, ug/L (39572)	Dicro- tophos, water fltrd, ug/L (38454)	Diel- drin, water, fltrd, ug/L (39381)	Dimeth- oate, water, fltrd 0.7u GF (82662)	Disulf- oton sulfone water, fltrd, ug/L (61640)	Disulf- oton sulf- oxide, water, fltrd, ug/L (61641)	Disulf- oton water, fltrd 0.7u GF (82677)	(E)-Di- metho- morph, water, fltrd, ug/L (79844)	Endo- sulfan ether, water, fltrd, ug/L (61642)	EPTC, water, fltrd 0.7u GF (82668)	Ethal- flur- alin, water, fltrd 0.7u GF (82663)
OCT 16...	<0.009	<0.003	E0.004	<0.08	<0.005	<0.006	<0.02	<0.002	<0.02	<0.02	<0.004	<0.002	<0.009
NOV 13...	<0.009	<0.003	<0.005	<.08	<0.009	<0.006	<.02	<0.002	<.02	<.02	<0.004	<0.004	<0.009
13...	<0.009	<0.003	<0.005	<.08	<0.009	<0.006	<.02	<0.002	<.02	<.02	<0.004	<0.004	<0.009
FEB 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 17...	<0.009	<0.003	<0.005	<.08	<0.009	<0.006	<.02	<0.002	<.02	<.02	<0.004	<0.004	<0.009
17...	<0.009	<0.003	<0.005	<.08	<0.009	<0.006	<.02	<0.002	<.02	<.02	<0.004	<0.004	<0.009
APR 14...	<0.009	<0.003	E.004	<.08	<0.009	<0.006	<.02	<0.002	<.02	<.02	<0.004	E.002	<0.009
28...	<0.009	<0.003	<0.005	<.08	<0.009	<0.006	E.01	<0.002	<.02	<.02	<0.004	E.002	<0.009
MAY 05...	<0.009	<0.003	<0.005	<.08	<0.009	<0.006	E.01	<0.002	<.02	<.02	<0.004	<0.004	<0.009
05...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 16...	<0.009	<0.003	<0.005	<.08	<0.009	<0.006	<.02	<0.002	<.02	<.02	<0.004	<0.004	<0.009
JUL 14...	<0.009	<0.003	.010	<.08	E.003	<0.006	<.01	<.036	<.02	<.02	<0.007	<0.004	<0.009
28...	<0.009	<0.003	<0.005	<.08	<0.009	<0.006	<.01	<.036	<.02	<.02	<0.007	<0.004	<0.009
AUG 11...	<0.009	<0.003	<0.005	<.08	E.004	<0.006	<.01	<.036	<.02	<.02	<0.007	<0.004	<0.009
SEP 16...	<0.009	<0.003	<0.005	<.08	<0.009	<0.006	<.01	<.036	<.02	<.02	<0.007	<0.004	<0.009

## CUMBERLAND RIVER BASIN

03438000 LITTLE RIVER NEAR CADIZ, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ethion monoxon water, fltrd, ug/L (61644)	Ethion water, fltrd, ug/L (82346)	Ethoprop, water, fltrd, 0.7u GF ug/L (82672)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulf-oxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Fenthion sulf-oxide, water, fltrd, ug/L (61647)	Flumetralin, water, fltrd, ug/L (61592)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)
OCT 16...	<0.03	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.004	<0.002	<0.003	<0.013	<1	<0.003
NOV 13...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
NOV 13...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
FEB 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 17...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
MAR 17...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
APR 14...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
APR 28...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
MAY 05...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
MAY 05...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 16...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
JUL 14...	<.0020	<.004	<.005	<.049	<.04	<.03	<.008	<.004	<.003	<.003	<.013	<.387	<.003
JUL 28...	<.0020	<.004	<.005	<.049	<.04	<.03	<.008	<.004	<.003	<.003	<.013	<.387	<.003
AUG 11...	<.0020	<.004	<.005	<.049	<.04	<.03	<.008	<.004	<.003	<.003	<.013	<.387	<.003
SEP 16...	<.0020	<.004	<.005	<.049	<.04	<.03	<.008	<.004	<.003	<.003	<.013	<.387	<.003

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd, 0.7u GF ug/L (82666)	Mala-oxon, water, fltrd, ug/L (61652)	Mala-thion, water, fltrd, ug/L (39532)	Meta-laxyl, water, fltrd, ug/L (61596)	Methi-althion water, fltrd, ug/L (61598)	c-Permethric acid methyl ester, wat flt ug/L (79842)	Methyl para-oxon, water, fltrd, ug/L (61664)	Methyl para-thion, water, fltrd, 0.7u GF ug/L (82667)	t-Permethric acid methyl ester, wat flt ug/L (79843)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Moli-nate, water, fltrd, 0.7u GF ug/L (82671)
OCT 16...	<0.004	<0.035	<0.008	<0.027	<0.005	<0.006	<0.04	<0.03	<0.006	<0.03	E0.013	<0.006	<0.002
NOV 13...	<0.004	<0.035	<0.008	<0.027	<0.005	<0.006	<0.04	<0.03	<0.015	<0.03	.014	<0.006	<0.003
NOV 13...	<0.004	<0.035	<0.008	<0.027	<0.005	<0.006	<0.04	<0.03	<0.015	<0.03	<0.013	<0.006	<0.003
FEB 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 17...	<0.004	<0.035	<0.008	<0.027	<0.005	<0.006	<0.04	<0.03	<0.015	<0.03	E.010	<0.006	<0.003
MAR 17...	<0.004	<0.035	<0.008	<0.027	<0.005	<0.006	<0.04	<0.03	<0.015	<0.03	E.010	<0.006	<0.003
APR 14...	<0.004	<0.035	<0.008	<0.027	<0.005	<0.006	<0.04	<0.03	<0.015	<0.03	.025	<0.006	<0.003
APR 28...	<0.004	<0.035	<0.008	<0.027	<0.005	<0.006	<0.04	<0.03	<0.015	<0.03	.031	<0.006	<0.003
MAY 05...	<0.004	<0.035	<0.008	<0.027	<0.005	<0.006	<0.04	<0.03	<0.015	<0.03	.052	<0.006	<0.003
MAY 05...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 16...	<0.004	<0.035	<0.008	<0.027	.052	<0.006	<0.04	<0.03	<0.015	<0.03	.053	.029	<0.003
JUL 14...	<0.004	<0.035	<0.030	<0.027	<0.005	<0.006	<0.02	<0.03	<0.015	<0.01	.014	<0.006	<0.003
JUL 28...	<0.004	<0.035	<0.030	<0.027	.013	<0.006	<0.02	<0.03	<0.015	<0.01	.156	<0.006	<0.003
AUG 11...	<0.004	<0.035	<0.030	<0.027	<0.005	<0.006	<0.02	<0.03	<0.015	<0.01	.018	<0.006	<0.003
SEP 16...	<0.004	<0.035	<0.030	<0.027	<0.005	<0.006	<0.02	<0.03	<0.015	<0.01	.013	<0.006	<0.003

## 03438000 LITTLE RIVER NEAR CADIZ, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Myclo- butanil water, fltrd, ug/L (61599)	Naprop- amide, water, fltrd 0.7u GF ug/L (82684)	O-Et-O- Me-S-Pr -phos- phoro- thioate wat flt ug/L (61660)	Oxy- fluor- fen, water, fltrd, ug/L (61600)	p,p-' DDE, water, fltrd, ug/L (34653)	Para- oxon, water, fltrd, ug/L (61663)	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)
OCT 16...	<0.008	<0.007	<0.008	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10	<0.011	<0.06	<0.008
NOV 13...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008
13...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008
FEB 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 17...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	--	--
17...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	--	--
APR 14...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008
28...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008
MAY 05...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008
05...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 16...	<.008	E.005	<.008	<.007	<.003	<.008	<.010	E.002	<.022	<.10	<.011	<.06	<.008
JUL 14...	<.008	<.007	<.005	<.007	<.003	<.016	<.010	<.004	<.022	<.10	<.011	<.05	<.008
28...	<.008	<.007	<.005	<.007	<.003	<.016	<.010	<.004	<.022	<.10	<.011	<.05	<.008
AUG 11...	<.008	<.007	<.005	<.007	<.003	<.016	<.010	<.004	<.022	<.10	<.011	--	<.008
SEP 16...	<.008	<.007	<.005	<.007	<.003	<.016	<.010	<.004	<.022	<.10	<.011	--	--

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Phoste- bupirim water, fltrd, ug/L (61602)	Pro- fenofos water, fltrd, ug/L (61603)	Prome- ton, water, fltrd, ug/L (04037)	Prome- tryn, water, fltrd, ug/L (04036)	Propy- zamide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Propet- amphos, water, fltrd, ug/L (61604)	Sima- zine, water, fltrd, ug/L (04035)	Sulfo- tepp, water, fltrd, ug/L (61605)	Sulpro- fos, water, fltrd, ug/L (38716)	Tebu- pirim- phos oxon, water, fltrd, ug/L (61669)
OCT 16...	<0.005	<0.006	E0.01	<0.005	<0.004	<0.010	<0.011	<0.02	<0.004	0.026	<0.003	<0.02	<0.006
NOV 13...	<0.005	<0.006	.01	<0.005	<0.004	<0.025	<0.011	<.02	<0.004	.030	<0.003	<0.02	<0.006
13...	<0.005	<0.006	<.01	<0.005	<0.004	<0.025	<0.011	<.02	<0.004	<0.005	<0.003	<0.02	<0.006
FEB 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 17...	<0.005	<0.006	.01	<0.005	<0.004	<0.025	<0.011	<.02	<0.004	.074	<0.003	<0.02	<0.006
17...	<0.005	<0.006	<.01	<0.005	<0.004	<0.025	<0.011	<.02	<0.004	.076	<0.003	<0.02	<0.006
APR 14...	<0.005	<0.006	.01	<0.005	.007	<0.025	<0.011	<.02	<0.004	1.75	<0.003	<0.02	<0.006
28...	<0.005	<0.006	.01	<0.005	<0.004	<0.025	<0.011	<.02	<0.004	.429	<0.003	<0.02	<0.006
MAY 05...	<0.005	<0.006	.02	<0.005	<0.004	<0.025	<0.011	<.02	<0.004	.494	<0.003	<0.02	<0.006
05...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 16...	<0.005	<0.006	.06	<0.005	<0.004	<0.025	<0.011	<.02	<0.004	.069	<0.003	<0.02	<0.006
JUL 14...	<0.005	<0.006	.02	<0.005	<0.004	<0.025	<0.011	<.02	<0.004	.091	<0.003	<0.02	<0.006
28...	<0.005	<0.006	<.01	<0.005	<0.004	<0.025	<0.011	<.02	<0.004	.048	<0.003	<0.02	--
AUG 11...	<0.005	<0.006	.01	<0.005	<0.004	<0.025	<0.011	<.02	<0.004	.028	<0.003	<0.02	<0.006
SEP 16...	<0.005	<0.006	<.01	<0.005	<0.004	<0.025	<0.011	<.02	<0.004	.029	<0.003	<0.02	<0.006

## 03438000 LITTLE RIVER NEAR CADIZ, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Tebu- thiuron water fltrd 0.7u GF (82670)	Teflu- thrin, water, fltrd, ug/L (61606)	Teme- phos, water, fltrd, ug/L (61607)	Terba- cil, water, fltrd 0.7u GF (82665)	Ter- bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu- fos, water, fltrd 0.7u GF (82675)	Ter- buthyl- azine, water, fltrd, ug/L (04022)	Thio- bencarb water fltrd 0.7u GF (82681)	trans- Propi- cona- zole, water, fltrd, ug/L (79847)	Tri- allate, water, fltrd 0.7u GF (82678)	Tribu- phos, water, fltrd, ug/L (61610)	Tri- flur- alin, water, fltrd 0.7u GF (82661)	(Z)-Di- metho- morph, water, fltrd, ug/L (79845)
OCT 16...	<0.02	<0.008	<0.3	<0.034	<0.07	<0.02	<0.01	<0.005	<0.01	<0.002	<0.004	<0.009	<0.05
NOV 13...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
NOV 13...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
FEB 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 17...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
MAR 17...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
APR 14...	M	<.008	<.3	<.034	<.07	<.02	M	<.010	<.01	<.002	<.004	<.009	<.05
APR 28...	<.02	<.008	<.3	<.034	<.07	<.02	E.01	<.010	<.01	<.002	<.004	<.009	<.05
MAY 05...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
MAY 05...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 16...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
JUL 14...	E.01	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
JUL 28...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
AUG 11...	.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
SEP 16...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Di- chlor- vos, water fltrd, ug/L (38775)	Sus- pended sedi- ment concen- tration mg/L (80154)
OCT 16...	<0.01	2
NOV 13...	<.01	2
NOV 13...	<.01	--
FEB 18...	--	3
MAR 17...	<.01	3
MAR 17...	<.01	3
APR 14...	<.01	152
APR 28...	<.01	30
MAY 05...	<.01	39
MAY 05...	--	--
JUN 16...	<.01	27
JUL 14...	<.01	16
JUL 28...	<.01	11
AUG 11...	<.01	27
SEP 16...	<.01	14

E--Laboratory estimated value.

M--Presence of material verified but not quantified.

&lt;--Numeric result is less than the value shown.

03438024 MUDDY FORK NEAR HOPKINSVILLE, KY

WATER-QUALITY RECORDS

LOCATION.--Lat 36°53'12", long 87°35'02", Christian County, Hydrologic Unit 05130205.

PERIOD OF RECORD.--March 2003 to current water year.

COOPERATION.--Kentucky Department of Agriculture.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
APR 13...	1540	Environmental	24	741	10.7	7.2	442	10.3	154	188	0.05	2.31
13...	1548	Field Blank	--	--	--	--	--	--	--	--	<.04	<0.06
JUL 13...	1200	Environmental	3.1	750	5.8	6.9	470	17.6	207	252	<.04	4.97

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	1,4-Naphthoquinone, water, fltrd, ug/L (61611)	1-Naphthol, water, fltrd, 0.7u GF ug/L (49295)	2-(4-t-Butylphenoxy)cyclohexanol, water, fltrd, ug/L (61637)	2,5-Dichloroaniline, water, fltrd, ug/L (61614)	2,6-Diethyl-aniline, water, fltrd, 0.7u GF ug/L (82660)	2Amino-N-iso-propylbenzamide, wat flt ug/L (61617)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methyl-aniline, water, fltrd, ug/L (61620)	3-(Tri-fluoro-methyl) aniline, water, fltrd, ug/L (61630)	3,4-Di-chloro-aniline, water, fltrd, ug/L (61625)	3,5-Di-chloro-aniline, water, fltrd, ug/L (61627)
APR 13...	0.043	0.111	<0.05	<0.09	<0.01	<0.03	<0.006	<0.005	E0.230	<0.004	<0.01	<0.004	<0.005
13...	<.006	--	--	--	--	--	--	--	--	--	--	--	--
JUL 13...	.027	.050	<.04	<.09	<.01	<.01	<.006	<.005	E.254	<.004	<.01	<.004	<.004

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	4,4-Di'chloro-benzo-phenone, wat flt ug/L (61631)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	4Chloro phenyl-methyl sulfone, water, fltrd, ug/L (61634)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-Endo-sulfan, water, fltrd, ug/L (34362)	alpha-HCH, water, fltrd, ug/L (34253)	alpha-HCH-d6, sur2002 /9002, wat unfltrd percent recovry (99224)	alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd, 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd, 0.7u GF ug/L (82673)
APR 13...	<0.003	<0.006	<0.03	0.073	0.010	<0.005	<0.005	82.0	94.1	0.806	<0.02	<0.050	<0.010
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 13...	<.007	<.006	<.01	.009	<.005	<.005	<.005	80.3	91.3	.188	<.07	<.050	<.010

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	beta-Endo-sulfan, water, fltrd, ug/L (34357)	Bifen-thrin, water, fltrd, ug/L (61580)	Butyl-ate, water, fltrd, ug/L (04028)	Car-baryl, water, fltrd, 0.7u GF ug/L (82680)	Carbo-furan, water, fltrd, 0.7u GF ug/L (82674)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	Chlor-pyrifos, water, fltrd, ug/L (38933)	cis-Per-methrin, water, fltrd, 0.7u GF ug/L (82687)	cis-Propi-conazole, water, fltrd, ug/L (79846)	Cyana-zine, water, fltrd, ug/L (04041)	Cyclo-ate, water, fltrd, ug/L (04031)	lambda-Cyhalo-thrin, water, fltrd, ug/L (61595)	Cyper-methrin, water, fltrd, ug/L (61586)
APR 13...	<0.01	<0.005	<0.004	<0.041	<0.020	<0.06	<0.005	<0.006	<0.008	<0.018	<0.005	<0.009	<0.009
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 13...	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	E.004	<.018	<.005	<.009	<.009



## 03438024 MUDDY FORK NEAR HOPKINSVILLE, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi- non, water, fltrd, ug/L (39572)	Dicro- tophos, water, fltrd, ug/L (38454)	Diel- drin, water, fltrd, ug/L (39381)	Dimeth- oate, water, fltrd 0.7u GF ug/L (82662)	Disulf- oton sulfone water, fltrd, ug/L (61640)	Disulf- oton sulf- oxide, water, fltrd, ug/L (61641)	Disulf- oton, water, fltrd 0.7u GF ug/L (82677)	(E)-Di- metho- morph, water, fltrd, ug/L (79844)	Endo- sulfan ether, water, fltrd, ug/L (61642)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal- flur- alin, water, fltrd 0.7u GF ug/L (82663)	Ethion monoxon water, fltrd, ug/L (61644)
APR 13... 13...	<0.003 --	<0.005 --	<0.08 --	<0.009 --	<0.006 --	<0.02 --	<0.002 --	<0.02 --	<0.02 --	<0.004 --	<0.004 --	<0.009 --	<0.03 --
JUL 13...	<.003	.019	<.08	<.009	<.006	<.01	<.036	<.02	<.02	<.007	<.020	<.009	<.0020

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ethion, water, fltrd, ug/L (82346)	Etho- prop, water, fltrd 0.7u GF ug/L (82672)	Fenami- phos sulfone water, fltrd, ug/L (61645)	Fenami- phos sulf- oxide, water, fltrd, ug/L (61646)	Fenami- phos, water, fltrd, ug/L (61591)	Fen- thion sulf- oxide, water, fltrd, ug/L (61647)	Flume- tralin, water, fltrd, ug/L (61592)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexa- zinone, water, fltrd, ug/L (04025)	Ipro- dione, water, fltrd, ug/L (61593)	Isofen- phos, water, fltrd, ug/L (61594)	Lindane water, fltrd, ug/L (39341)
APR 13... 13...	<0.004 --	<0.005 --	<0.008 --	<0.03 --	<0.03 --	<0.008 --	<0.004 --	<0.002 --	<0.003 --	<0.013 --	<1 --	<0.003 --	0.016 --
JUL 13...	<.004	<.005	<.049	<.04	<.03	<.008	<.004	<.003	<.003	<.013	<.0387	<.003	<.004

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Linuron water fltrd 0.7u GF ug/L (82666)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metaxyl, water, fltrd, ug/L (61596)	Methi- althion water, fltrd, ug/L (61598)	c-Per- methric acid methyl ester, wat flt ug/L (79842)	Methyl para- oxon, water, fltrd, ug/L (61664)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	t-Per- methric acid methyl ester, wat flt ug/L (79843)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)	Myclo- butanil water, fltrd, ug/L (61599)
APR 13... 13...	<0.035 --	<0.008 --	<0.027 --	<0.005 --	<0.006 --	<0.04 --	<0.03 --	<0.015 --	<0.03 --	0.019 --	<0.006 --	<0.003 --	<0.008 --
JUL 13...	<.035	<.030	<.027	<.005	<.006	<.02	<.03	<.015	<.01	E.009	<.006	<.003	<.008

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Naprop- amide, water, fltrd 0.7u GF ug/L (82684)	O-Et-O- Me-S-Pr -phos- phoro- thioate wat flt ug/L (61660)	Oxy- fluor- fen, water, fltrd, ug/L (61600)	p,p'- DDE, water, fltrd, ug/L (34653)	Para- oxon, water, fltrd, ug/L (61663)	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Phoste- bupirim water, fltrd, ug/L (61602)
APR 13... 13...	<0.007 --	<0.008 --	<0.007 --	<0.003 --	<0.008 --	<0.010 --	<0.004 --	<0.022 --	<0.10 --	<0.011 --	<0.06 --	<0.008 --	<0.005 --
JUL 13...	<.007	<.005	<.007	<.003	<.016	<.010	<.004	<.022	<.10	<.011	<.05	<.008	<.005

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Pro- fenofos water, fltrd, ug/L (61603)	Prome- ton, water, fltrd, ug/L (04037)	Prome- tryn, water, fltrd, ug/L (04036)	Propy- zamide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Propet- amphos, water, fltrd, ug/L (61604)	Sima- zine, water, fltrd, ug/L (04035)	Sulfo- tepp, water, fltrd, ug/L (61605)	Sulpro- fos, water, fltrd, ug/L (38716)	Tebu- pirim- phos oxon, water, fltrd, ug/L (61669)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)
APR 13... 13...	<0.006 --	0.03 --	<0.005 --	<0.004 --	<0.025 --	<0.011 --	<0.02 --	<0.004 --	0.676 --	<0.003 --	<0.02 --	<0.006 --	<0.02 --
JUL 13...	<.006	.01	<.005	<.004	<.025	<.011	<.02	<.004	.051	<.003	<.02	<.006	<.02

03438024 MUDDY FORK NEAR HOPKINSVILLE, KY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Teflu- thrin, water, fltrd, ug/L (61606)	Teme- phos, water, fltrd, ug/L (61607)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Ter- bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Ter- buthyl- azine, water, fltrd, ug/L (04022)	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	trans- Propi- cona- zole, water, fltrd, ug/L (79847)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tribu- phos, water, fltrd, ug/L (61610)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	(Z)-Di- metho- morph, water, fltrd, ug/L (79845)	Di- chlor- vos, water fltrd, ug/L (38775)
APR 13...	<0.008	<0.3	<0.034	<0.07	<0.02	<0.01	<0.010	<0.01	<0.002	<0.004	<0.009	<0.05	<0.01
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 13...	<.008	<.3	<.034	<.07	<.02	<.01	<.010	E.01	<.002	<.004	<.009	<.05	<.01

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sus- pended sediment concentration mg/L (80154)
APR 13...	42
13...	--
JUL 13...	50

E--Laboratory estimated value.  
M--Presence of material verified but not quantified.  
<--Numeric result is less than the value shown.

## WATER-QUALITY RECORDS

LOCATION.--Lat 36°52'01", long 87°36'28", Christian County, Hydrologic Unit 05130205.

PERIOD OF RECORD.--March 2003 to current water year.

COOPERATION.--Kentucky Department of Agriculture.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)
APR 13...	1720	Environmental	593	740	12.4	7.2	207	7.0	71	86	<0.04	1.30
JUL 13...	1320	Environmental	6.5	750	5.9	7.2	338	22.7	141	172	<.04	2.79

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd (00665)	1,4-Naphthoquinone, water, fltrd, (61611)	1-Naphthol, water, fltrd, 0.7u GF (49295)	2-(4-t-Butylphenoxy)cyclohexanol, wat flt ug/L (61637)	2,5-Dichloroaniline, water, fltrd, ug/L (61614)	2,6-Diethyl-aniline, water, fltrd, 0.7u GF (82660)	2-Amino-N-isopropylbenzamide, wat flt ug/L (61617)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methyl-aniline, water, fltrd, ug/L (61620)	3-(Trifluoromethyl)aniline, water, fltrd, ug/L (61630)	3,4-Dichloroaniline, water, fltrd, ug/L (61625)	3,5-Dichloroaniline, water, fltrd, ug/L (61627)
APR 13...	0.029	0.27	<0.05	<0.09	<0.01	<0.03	<0.006	<0.005	E0.456	<0.004	<0.01	<0.004	<0.005
JUL 13...	.044	.119	<.04	E.01	<.01	<.01	<.006	<.005	E.170	<.004	<.01	<.004	<.004

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	4,4-Di'chlorobenzophenone, wat flt ug/L (61631)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	4Chloro phenylmethyl sulfone, water, fltrd, ug/L (61634)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-Endosulfan, water, fltrd, ug/L (34362)	alpha-HCH, water, fltrd, ug/L (34253)	alpha-HCH-d6, sur2002 /9002, wat unfltrd percent recovery (99224)	alpha-HCH-d6, surrog, wat flt percent recovery (91065)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl oxon, water, fltrd, ug/L (61635)	Azinphosmethyl, water, fltrd, 0.7u GF ug/L (82686)	Benfluralin, water, fltrd, 0.7u GF ug/L (82673)
APR 13...	<0.003	<0.006	<0.03	0.832	<0.005	<0.005	<0.005	85.9	98.1	18.1	<0.02	<0.050	<0.010
JUL 13...	<.007	<.006	<.01	<.006	<.005	<.005	<.005	84.1	96.4	0.136	<.07	<.050	<.010

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	beta-Endosulfan, water, fltrd, ug/L (34357)	Bifenthrin, water, fltrd, ug/L (61580)	Butylate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd, 0.7u GF (82680)	Carbofuran, water, fltrd, 0.7u GF (82674)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos, water, fltrd, ug/L (38933)	cis-Permethrin, water, fltrd, 0.7u GF (82687)	cis-Propiconazole, water, fltrd, ug/L (79846)	Cyanazine, water, fltrd, ug/L (04041)	Cycloate, water, fltrd, ug/L (04031)	lambda-Cyhalothrin, water, fltrd, ug/L (61595)	Cypermethrin, water, fltrd, ug/L (61586)
APR 13...	<0.01	<0.005	<0.004	<0.041	<0.020	<0.06	<0.005	<0.006	<0.008	<0.018	<0.005	<0.009	<0.009
JUL 13...	<.01	<.005	<.004	E.052	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009	<.009

## 03438028 SINKING FORK NEAR HOPKINSVILLE, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi- non, water, fltrd, ug/L (39572)	Dicro- tophos, water, fltrd, ug/L (38454)	Diel- drin, water, fltrd, ug/L (39381)	Dimeth- oate, water, fltrd 0.7u GF ug/L (82662)	Disulf- oton sulfone water, fltrd, ug/L (61640)	Disulf- oton sulf- oxide, water, fltrd, ug/L (61641)	Disulf- oton, water, fltrd 0.7u GF ug/L (82677)	(E)-Di- metho- morph, water, fltrd, ug/L (79844)	Endo- sulfan ether, water, fltrd, ug/L (61642)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal- flur- alin, water, fltrd 0.7u GF ug/L (82663)	Ethion monoxon water, fltrd, ug/L (61644)
APR 13...	<0.003	<0.005	<0.08	<0.009	<0.006	<0.02	<0.002	<0.02	<0.02	<0.004	<0.004	<0.009	<0.03
JUL 13...	<.003	E.004	<.08	<.009	<.006	<.01	<.036	<.02	<.02	<.007	<.000	<.009	<.0020

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ethion, water, fltrd, ug/L (82346)	Etho- prop, water, fltrd 0.7u GF ug/L (82672)	Fenami- phos sulfone water, fltrd, ug/L (61645)	Fenami- phos sulf- oxide, water, fltrd, ug/L (61646)	Fenami- phos, water, fltrd, ug/L (61591)	Fen- thion sulf- oxide, water, fltrd, ug/L (61647)	Flume- tralin, water, fltrd, ug/L (61592)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexa- zinone, water, fltrd, ug/L (04025)	Ipro- dione, water, fltrd, ug/L (61593)	Isofen- phos, water, fltrd, ug/L (61594)	Lindane water, fltrd, ug/L (39341)
APR 13...	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.004	<0.002	<0.003	<0.013	<1	<0.003	<0.004
JUL 13...	<.004	<.005	<.049	<.04	<.03	<.008	<.004	<.003	<.003	<.013	<0.387	<.003	<.004

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Linuron water fltrd 0.7u GF ug/L (82666)	Mala- oxon, water, fltrd, ug/L (61652)	Mala- thion, water, fltrd, ug/L (39532)	Meta- laxyl, water, fltrd, ug/L (61596)	Methi- althion water, fltrd, ug/L (61598)	c-Per- methric acid methyl ester, wat flt ug/L (79842)	Methyl para- oxon, water, fltrd, ug/L (61664)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	t-Per- methric acid methyl ester, wat flt ug/L (79843)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)	Myclo- butanil water, fltrd, ug/L (61599)
APR 13...	<0.035	<0.008	<0.027	<0.005	<0.006	<0.04	<0.03	<0.015	<0.03	0.031	<0.010	<0.003	<0.008
JUL 13...	<.035	<.030	<.027	.025	<.006	<.02	<.03	<.015	<.01	E.008	<.006	<.003	<.008

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Naprop- amide, water, fltrd 0.7u GF ug/L (82684)	O-Et-O- Me-S-Pr -phos- phoro- thioate wat flt ug/L (61660)	Oxy- fluor- fen, water, fltrd, ug/L (61600)	p,p'- DDE, water, fltrd, ug/L (34653)	Para- oxon, water, fltrd, ug/L (61663)	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water, fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Phoste- bupirim water, fltrd, ug/L (61602)
APR 13...	<0.007	<0.008	<0.007	<0.003	<0.008	<0.010	<0.004	0.121	<0.10	<0.011	<0.06	<0.008	<0.005
JUL 13...	<.007	<.005	<.007	<.003	<.016	<.010	<.004	<.022	<.10	<.011	<.05	<.008	<.005

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Pro- fenofos water, fltrd, ug/L (61603)	Prome- ton, water, fltrd, ug/L (04037)	Prome- tryn, water, fltrd, ug/L (04036)	Propy- zamide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Propet- amphos, water, fltrd, ug/L (61604)	Sima- zine, water, fltrd, ug/L (04035)	Sulfo- tepp, water, fltrd, ug/L (61605)	Sulpro- fos, water, fltrd, ug/L (38716)	Tebu- pirim- phos oxon, water, fltrd, ug/L (61669)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)
APR 13...	<0.006	0.03	<0.005	<0.004	<0.025	<0.011	<0.02	<0.004	2.44	<0.003	<0.02	<0.006	<0.02
JUL 13...	<.006	.01	<.005	<.004	<.025	<.011	<.02	<.004	0.031	<.003	<.02	<.006	<.02

## CUMBERLAND RIVER BASIN

03438028 SINKING FORK NEAR HOPKINSVILLE, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Teflu- thrin, water, fltrd, ug/L (61606)	Teme- phos, water, fltrd, ug/L (61607)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Ter- bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Ter- buthyl- azine, water, fltrd, ug/L (04022)	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	trans- Propi- cona- zole, water, fltrd, ug/L (79847)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tribu- phos, water, fltrd, ug/L (61610)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	(Z)-Di- metho- morph, water, fltrd, ug/L (79845)	Di- chlor- vos, water fltrd, ug/L (38775)
APR 13...	.008	.3	.034	.07	.02	<0.01	<0.010	<0.01	<0.002	<0.004	<0.009	<0.05	<0.01
JUL 13...	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	.010	<.05	<.01

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sus- pended sediment concentration mg/L (80154)
APR 13...	271
JUL 13...	40

E--Laboratory estimated value.  
M--Presence of material verified but not quantified.  
<--Numeric result is less than the value shown.

03438040 SINKING CREEK AT KINGS CHAPEL ROAD NEAR CADIZ, KY

WATER-QUALITY RECORDS

LOCATION.--Lat 36°50'26", long 87°44'27", Christian County, Hydrologic Unit 05130205.

DRAINAGE AREA.--107 mi<sup>2</sup>.

PERIOD OF RECORD.--March 2003 to current water year.

COOPERATION.--Kentucky Department of Agriculture.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf 25 degC (00095)	Temperature, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT 16...	1620	Environmental	7.7	763	8.3	7.6	467	19.0	208	254	<0.04	4.21
NOV 13...	1440	Environmental	E8.7	777	8.4	7.6	458	13.0	210	256	<.04	3.58
NOV 13...	1450	Replicate	--	--	--	--	--	--	207	253	<.04	3.64
FEB 18...	1600	Environmental	E125	769	12.9	7.8	403	10.3	164	201	<.04	5.62
MAR 17...	1440	Environmental	90	768	13.2	8.4	411	12.5	174	212	<.04	4.91
APR 13...	1300	Environmental	E90	761	10.3	7.7	408	12.1	171	209	<.04	4.77
APR 28...	1330	Environmental	125	769	10.1	7.3	360	14.4	149	182	<.04	5.51
MAY 05...	1210	Environmental	E358	768	9.9	7.3	355	14.5	146	179	<.04	5.16
JUN 16...	1220	Environmental	E795	767	7.9	7.4	368	19.3	150	183	<.04	4.63
JUL 13...	1220	Environmental	E175	767	8.0	7.5	383	21.6	136	166	<.04	4.26
JUL 28...	1210	Environmental	50	769	--	7.7	423	18.1	176	215	<.04	5.24
AUG 11...	1130	Environmental	E100	767	8.2	7.5	410	18.5	--	--	<.04	4.23
SEP 16...	1400	Environmental	E50	764	7.6	7.5	469	19.9	200	244	<.04	3.74

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	1,4-Naphthoquinone, water, fltrd, ug/L (61611)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2-(4-t-Butylphenoxy)cyclohexanol, wat flt ug/L (61637)	2,5-Dichloroaniline, water, fltrd, ug/L (61614)	2,6-Diethyl-aniline, water, fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)-amino]propan-1-ol, ug/L (61615)	2Amino-N-iso-propylbenzamide, wat flt ug/L (61617)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methyl-aniline, water, fltrd, ug/L (61620)	3-(Tri-fluoro-methyl)aniline, water, fltrd, ug/L (61630)	3,4-Di-chloro-aniline, water, fltrd, ug/L (61625)
OCT 16...	0.047	0.066	<0.05	--	<0.01	<0.03	<0.006	<0.1	<0.005	E0.246	<0.004	<0.01	<0.004
NOV 13...	.040	.062	<.05	<0.09	<.01	<.03	<.006	<.1	<.005	E.110	<.004	<.01	<.004
NOV 13...	.040	.066	<.05	<.09	<.01	<.03	<.006	<.1	<.005	E.309	<.004	<.01	<.004
FEB 18...	.019	.036	--	--	--	--	--	--	--	--	--	--	--
MAR 17...	.008	.027	<.05	<.09	<.01	<.03	<.006	--	<.005	E.200	<.004	<.01	<.004
APR 13...	.014	.040	<.05	<.09	<.01	<.03	<.006	--	<.005	E.158	<.004	<.01	<.004
APR 28...	.031	.079	<.05	<.09	<.01	<.03	<.006	--	<.005	E.431	<.004	<.01	<.004
MAY 05...	.027	.062	<.05	<.09	<.01	<.03	<.006	--	<.005	E.458	<.004	<.01	<.004
JUN 16...	.054	.58	<.05	<.09	--	<.03	<.006	--	<.005	E.290	<.004	<.01	<.004
JUL 13...	.060	.108	<.04	<.09	<.01	<.01	<.006	--	<.005	E.211	<.004	<.01	<.004
JUL 28...	.035	.057	<.04	--	<.01	<.01	<.006	--	<.005	E.188	<.004	<.01	.010
AUG 11...	.054	.085	<.04	--	<.01	<.01	<.006	--	<.005	E.199	<.004	<.01	<.004
SEP 16...	.036	.053	<.04	<.09	<.01	<.01	<.006	--	<.005	E.182	<.004	<.01	<.004

## 03438040 SINKING CREEK AT KINGS CHAPEL ROAD NEAR CADIZ, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	3,5-Di-chloro-aniline water, fltrd, ug/L (61627)	4,4-Di-chloro-benzo-phen-one, wat flt ug/L (61631)	4Chloro-2methyl phenol, water, fltrd, ug/L (61633)	4Chloro phenyl-methyl sulfone water, fltrd, ug/L (61634)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-Endo-sulfan, water, fltrd, ug/L (34362)	alpha-HCH, water, fltrd, ug/L (34253)	alpha-HCH-d6, sur2002 /9002, wat unf percent recovry (99224)	alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)
OCT 16...	<0.005	<0.003	<0.006	<0.03	<0.006	<0.004	<0.005	<0.005	90.5	98.2	0.089	<0.02	<0.050
NOV 13...	<.005	<.003	<.006	<.03	E.005	<.005	<.005	<.005	85.8	91.2	.092	<.02	<.050
NOV 13...	<.005	<.003	<.006	<.03	<.007	<.005	<.005	<.005	92.9	103	.093	<.02	<.050
FEB 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 17...	<.005	<.003	<.006	<.03	E.005	<.005	<.005	<.005	85.2	75.7	.885	<.02	<.050
APR 13...	<.005	<.003	<.006	<.03	.018	<.005	<.005	<.005	80.0	94.2	.424	<.02	<.050
APR 28...	<.005	<.003	<.006	<.03	.177	.006	<.005	<.005	82.4	93.1	3.98	<.02	<.050
MAY 05...	<.005	<.003	<.006	<.03	.067	<.006	<.005	<.005	86.0	99.1	1.52	<.02	<.050
JUN 16...	<.005	<.003	--	<.01	<.009	<.005	<.005	<.005	93.3	114	.887	<.02	<.050
JUL 13...	<.004	<.007	<.006	<.01	.008	<.005	<.005	<.005	71.5	85.2	.218	<.07	<.050
JUL 28...	<.004	<.007	<.006	<.01	<.006	<.005	<.005	<.005	88.4	99.1	.516	<.07	<.050
AUG 11...	<.004	<.007	<.006	<.01	E.006	<.005	<.005	<.005	79.9	88.0	.156	<.07	<.050
SEP 16...	<.004	<.007	<.006	<.01	<.006	<.005	<.005	<.005	81.5	92.2	.088	<.07	<.050

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ben-flu-alin, water, fltrd 0.7u GF (82673)	beta-Endo-sulfan, water, fltrd, ug/L (34357)	Bifen-thrin, water, fltrd, ug/L (61580)	Butyl-ate, water, fltrd, ug/L (04028)	Car-baryl, water, fltrd 0.7u GF (82680)	Carbo-furan, water, fltrd 0.7u GF (82674)	Chlor-pyri-fos oxon, water, fltrd, ug/L (61636)	Chlor-pyri-fos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd 0.7u GF (82687)	cis-Propi-cona-zole, water, fltrd, ug/L (79846)	Cyana-zine, water, fltrd, ug/L (04041)	Cyclo-ate, water, fltrd, ug/L (04031)	lambda-Cyhalo-thrin, water, fltrd, ug/L (61595)
OCT 16...	<0.010	<0.01	<0.005	<0.002	<0.041	<0.020	<0.06	<0.005	<0.006	<0.008	<0.018	<0.005	<0.009
NOV 13...	<.010	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
NOV 13...	<.010	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
FEB 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 17...	<.010	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
APR 13...	<.010	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
APR 28...	<.010	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
MAY 05...	<.010	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	E.002	<.018	<.005	<.009
JUN 16...	<.010	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
JUL 13...	<.010	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
JUL 28...	<.010	<.01	<.005	<.004	E.030	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
AUG 11...	<.010	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009
SEP 16...	<.010	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009

## 03438040 SINKING CREEK AT KINGS CHAPEL ROAD NEAR CADIZ, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF (82682)	Diazinon, water, fltrd, ug/L (39572)	Dicrotophos, water, fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF (82662)	Disulfoton sulfone water, fltrd, ug/L (61640)	Disulfoton sulf-oxide, water, fltrd, ug/L (61641)	Disulfoton, water, fltrd 0.7u GF (82677)	(E)-Dimethomorph, water, fltrd, ug/L (79844)	Endosulfan ether, water, fltrd, ug/L (61642)	EPTC, water, fltrd 0.7u GF (82668)	Ethalfluralin, water, fltrd 0.7u GF (82663)
OCT 16...	<0.009	<0.003	<0.005	<0.08	<0.005	<0.006	<0.02	<0.002	<0.02	<0.02	<0.004	<0.002	<0.009
NOV 13...	<.009	<.003	<.005	<.08	<.009	<.006	<.02	<.002	<.02	<.02	<.004	<.004	<.009
NOV 13...	<.009	<.003	<.005	<.08	<.009	<.006	<.02	<.002	<.02	<.02	<.004	<.004	<.009
FEB 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 17...	<.009	<.003	<.005	<.08	<.009	<.006	<.02	<.002	<.02	<.02	<.004	<.004	<.009
APR 13...	<.009	<.003	<.005	<.08	<.009	<.006	<.02	<.002	<.02	<.02	<.004	<.004	<.009
APR 28...	<.009	<.003	<.005	<.08	<.009	<.006	E.01	<.002	<.02	<.02	<.004	<.004	<.009
MAY 05...	<.009	<.003	<.005	<.08	<.009	<.006	E.01	<.002	<.02	<.02	<.004	<.004	<.009
JUN 16...	<.009	<.003	<.005	<.08	<.009	<.006	<.02	<.002	<.02	<.02	<.004	<.004	<.009
JUL 13...	<.009	<.003	<.005	<.08	<.009	<.006	<.01	<.036	<.02	<.02	<.007	<.004	<.009
JUL 28...	<.009	<.003	.056	<.08	E.007	<.006	<.01	<.036	<.02	<.02	<.007	<.004	<.009
AUG 11...	<.009	<.003	<.005	<.08	<.009	<.006	<.01	<.036	<.02	<.02	<.007	<.004	<.009
SEP 16...	<.009	<.003	<.005	<.08	<.009	<.006	<.01	<.036	<.02	<.02	<.007	<.004	<.009

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Ethoprop, water, fltrd 0.7u GF (82672)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulf-oxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Fenthion sulf-oxide, water, fltrd, ug/L (61647)	Flumetralin, water, fltrd, ug/L (61592)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos, water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)
OCT 16...	<0.03	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.004	<0.002	<0.003	<0.013	<1	<0.003
NOV 13...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
NOV 13...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
FEB 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 17...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
APR 13...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
APR 28...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
MAY 05...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
JUN 16...	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.004	<.002	<.003	<.013	<1	<.003
JUL 13...	<.0020	<.004	<.005	<.049	<.04	<.03	<.008	<.004	<.003	<.003	<.013	<.387	<.003
JUL 28...	<.0020	<.004	<.005	<.049	<.04	<.03	<.008	<.004	<.003	<.003	<.013	<.387	<.003
AUG 11...	<.0020	<.004	<.005	<.049	<.04	<.03	<.008	<.004	<.003	<.003	<.013	<.387	<.003
SEP 16...	<.0020	<.004	<.005	<.049	<.04	<.03	<.008	<.004	<.003	<.003	<.013	<.387	<.003



## CUMBERLAND RIVER BASIN

03438040 SINKING CREEK AT KINGS CHAPEL ROAD NEAR CADIZ, KY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metaxyl, water, fltrd, ug/L (61596)	Methi- althion water, fltrd, ug/L (61598)	c-Per- methric acid methyl ester, wat flt ug/L (79842)	Methyl para- oxon, water, fltrd, ug/L (61664)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	t-Per- methric acid methyl ester, wat flt ug/L (79843)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)
OCT 16...	<0.004	<0.035	<0.008	<0.027	<0.005	<0.006	<0.04	<0.03	<0.006	<0.03	0.074	<0.006	<0.002
NOV 13...	<.004	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.015	<.03	.062	<.006	<.003
13...	<.004	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.015	<.03	.068	<.006	<.003
FEB 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 17...	<.004	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.015	<.03	.018	<.006	<.003
APR 13...	<.004	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.015	<.03	.032	<.006	<.003
28...	<.004	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.015	<.03	.062	<.006	<.003
MAY 05...	<.004	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.015	<.03	.057	<.006	<.003
JUN 16...	<.004	<.035	<.008	<.027	.010	<.006	<.04	<.03	<.015	<.03	.019	<.006	<.003
JUL 13...	<.004	<.035	<.030	<.027	.009	<.006	<.02	<.03	<.015	<.01	.255	<.006	<.003
28...	<.004	<.035	<.030	<.027	<.005	<.006	<.02	<.03	<.015	<.01	.019	<.006	<.003
AUG 11...	<.004	<.035	<.030	<.027	.010	<.006	<.02	<.03	<.015	<.01	.097	<.006	<.003
SEP 16...	<.004	<.035	<.030	<.027	.025	<.006	<.02	<.03	<.015	<.01	.094	<.006	<.003

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Myclo- butanil water, fltrd, ug/L (61599)	Naprop- amide, water, fltrd 0.7u GF ug/L (82684)	O-Et-O- Me-S-Pr -phos- phoro- thioate wat flt ug/L (61660)	Oxy- fluor- fen, water, fltrd, ug/L (61600)	p,p'- DDE, water, fltrd, ug/L (34653)	Para- oxon, water, fltrd, ug/L (61663)	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)
OCT 16...	<0.008	<0.007	<0.008	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10	<0.011	<0.06	<0.008
NOV 13...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008
13...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008
FEB 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 17...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	--	--
APR 13...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008
28...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	E.008	<.10	<.011	<.06	<.008
MAY 05...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	E.008	<.10	<.011	<.06	<.008
JUN 16...	<.008	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008
JUL 13...	<.008	<.007	<.005	<.007	<.003	<.016	<.010	<.004	<.022	<.10	<.011	<.05	<.008
28...	<.008	<.007	<.005	<.007	<.003	<.016	<.010	<.004	<.022	<.10	<.011	--	<.008
AUG 11...	<.008	<.007	<.005	<.007	<.003	<.016	<.010	<.004	<.022	<.10	<.011	--	<.008
SEP 16...	<.008	<.007	<.005	<.007	<.003	<.016	<.010	<.004	<.022	<.10	<.011	--	--

## 03438040 SINKING CREEK AT KINGS CHAPEL ROAD NEAR CADIZ, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Phoste- bupirim water, fltrd, ug/L (61602)	Pro- fenofos water, fltrd, ug/L (61603)	Prome- ton, water, fltrd, ug/L (04037)	Prome- tryn, water, fltrd, ug/L (04036)	Propy- zamide, water, fltrd, 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd, 0.7u GF ug/L (82679)	Propar- gite, water, fltrd, 0.7u GF ug/L (82685)	Propet- amphos, water, fltrd, ug/L (61604)	Sima- zine, water, fltrd, ug/L (04035)	Sulfo- tepp, water, fltrd, ug/L (61605)	Sulpro- fos, water, fltrd, ug/L (38716)	Tebu- pirim- oxon, water, fltrd, ug/L (61669)
OCT 16...	<0.005	<0.006	<0.01	<0.005	<0.004	<0.010	<0.011	<0.02	<0.004	0.034	<0.003	<0.02	<0.006
NOV 13...	<.005	<.006	.01	<.005	<.004	<.025	<.011	<.02	<.004	.041	<.003	<.02	<.006
NOV 13...	<.005	<.006	.01	<.005	<.004	<.025	<.011	<.02	<.004	.046	<.003	<.02	<.006
FEB 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 17...	<.005	<.006	<.01	<.005	<.004	<.025	<.011	<.02	<.004	.323	<.003	<.02	<.006
APR 13...	<.005	<.006	.01	<.005	<.004	<.025	<.011	<.02	<.004	.104	<.003	<.02	<.006
APR 28...	<.005	<.006	.01	<.005	<.004	<.025	<.011	<.02	<.004	1.26	<.003	<.02	<.006
MAY 05...	<.005	<.006	.01	<.005	<.004	<.025	<.011	<.02	<.004	.477	<.003	<.02	<.006
JUN 16...	<.005	<.006	M	<.005	<.004	<.025	<.011	<.02	<.004	.085	<.003	<.02	<.006
JUL 13...	<.005	<.006	.01	<.005	<.004	<.025	<.011	<.02	<.004	.047	<.003	<.02	<.006
JUL 28...	<.005	<.006	.02	<.005	<.010	<.025	<.011	<.02	<.004	.057	<.003	<.02	<.006
AUG 11...	<.005	<.006	<.01	<.005	<.004	<.025	<.011	<.02	<.004	.035	<.003	<.02	<.006
SEP 16...	<.005	<.006	<.01	<.005	<.004	<.025	<.011	<.02	<.004	.028	<.003	<.02	<.006

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	Teflu- thrin, water, fltrd, ug/L (61606)	Tem- phos, water, fltrd, ug/L (61607)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Ter- bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Ter- buthyl- azine, water, fltrd, ug/L (04022)	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	trans- Propi- cona- zole, water, fltrd, ug/L (79847)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tribu- phos, water, fltrd, ug/L (61610)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	(Z)-Di- metho- morph, water, fltrd, ug/L (79845)
OCT 16...	<0.02	<0.008	<0.3	<0.034	<0.07	<0.02	<0.01	<0.005	<0.01	<0.002	<0.004	<0.009	<0.05
NOV 13...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
NOV 13...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
FEB 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 17...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
APR 13...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
APR 28...	<.02	<.008	<.3	<.034	<.07	<.02	E.01	<.010	<.01	<.002	<.004	<.009	<.05
MAY 05...	<.02	<.008	<.3	<.034	<.07	<.02	E.01	<.010	M	<.002	<.004	<.009	<.05
JUN 16...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
JUL 13...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
JUL 28...	E.01	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
AUG 11...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05
SEP 16...	<.02	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05

## CUMBERLAND RIVER BASIN

03438040 SINKING CREEK AT KINGS CHAPEL ROAD NEAR CADIZ, KY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Di- chlor- vos, water fltrd, ug/L (38775)	Sus- pended sedi- ment concen- tration mg/L (80154)
OCT 16...	<0.01	2
NOV 13...	<.01	1
13...	<.01	1
FEB 18...	--	7
MAR 17...	<.01	5
APR 13...	<.01	11
28...	<.01	50
MAY 05...	<.01	29
JUN 16...	<.01	673
JUL 13...	<.01	18
28...	<.01	10
AUG 11...	<.01	14
SEP 16...	<.01	2

E--Laboratory estimated value.

M--Presence of material verified but not quantified.

&lt;--Numeric result is less than the value shown.

03438080 LITTLE RIVER AT CRUTE ROAD BRIDGE NEAR CADIZ, KY

WATER-QUALITY RECORDS

LOCATION.--Lat 36°50'35", long 87°47'07", Trigg County, Hydrologic Unit 05130205.

DRAINAGE AREA.--400 mi<sup>2</sup>.

PERIOD OF RECORD.--March 2003 to current water year.

COOPERATION.--Kentucky Department of Agriculture.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)
APR 13...	1150	Environmental	E99	761	9.8	7.6	408	11.3	164	200	0.06	3.26
JUL 13...	1050	Environmental	E125	767	8.6	7.3	350	19.9	154	188	E.02	3.73

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd (00665)	1,4-Naphthoquinone, water, fltrd, ug/L (61611)	1-Naphthol, water, fltrd, 0.7u GF (49295)	2-(4-t-Butylphenoxy)cyclohexanol, wat flt ug/L (61637)	2,5-Dichloroaniline, water, fltrd, ug/L (61614)	2,6-Diethyl-aniline, water, fltrd, 0.7u GF (82660)	2-Amino-N-isopropylbenzamide, wat flt ug/L (61617)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methyl-aniline, water, fltrd, ug/L (61620)	3-(Trifluoromethyl)aniline, water, fltrd, ug/L (61630)	3,4-Dichloroaniline, water, fltrd, ug/L (61625)	3,5-Dichloroaniline, water, fltrd, ug/L (61627)
APR 13...	0.047	0.083	<0.05	<0.09	<0.01	<0.03	<0.006	<0.005	E0.205	<0.004	<0.01	<0.004	<0.005
JUL 13...	.106	.165	<.04	<.09	<.01	<.01	<.006	<.005	E.231	<.004	<.01	.005	<.004

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	4,4-Di'chloro-benzo-phenone, wat flt ug/L (61631)	4Chloro-2methyl phenol, water, fltrd, ug/L (61633)	4Chloro phenyl-methyl sulfone, water, fltrd, ug/L (61634)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-Endo-sulfan, water, fltrd, ug/L (34362)	alpha-HCH, water, fltrd, ug/L (34253)	alpha-HCH-d6, sur2002 /9002, wat unfltrd percent recovry (99224)	alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd, 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd, 0.7u GF ug/L (82673)
APR 13...	<0.003	<0.006	<0.03	0.019	<0.005	<0.005	<0.005	82.3	98.5	0.485	<0.02	<0.050	<0.010
JUL 13...	<.007	<.006	<.01	<.006	<.005	<.005	<.005	84.0	91.6	.480	<.07	<.050	<.010

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	beta-Endo-sulfan, water, fltrd, ug/L (34357)	Bifen-thrin, water, fltrd, ug/L (61580)	Butyl-ate, water, fltrd, ug/L (04028)	Car-baryl, water, fltrd, 0.7u GF ug/L (82680)	Carbo-furan, water, fltrd, 0.7u GF ug/L (82674)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin, water, fltrd, 0.7u GF ug/L (82687)	cis-Propi-cona-zole, water, fltrd, ug/L (79846)	Cyana-zine, water, fltrd, ug/L (04041)	Cyclo-ate, water, fltrd, ug/L (04031)	lambda-Cyhalo-thrin, water, fltrd, ug/L (61595)	Cyper-methrin, water, fltrd, ug/L (61586)
APR 13...	<0.01	<0.005	<0.004	<0.041	<0.020	<0.06	<0.005	<0.006	<0.008	<0.018	<0.005	<0.009	<0.009
JUL 13...	<.01	<.005	<.004	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.005	<.009	<.009

## 03438080 LITTLE RIVER AT CRUTE ROAD BRIDGE NEAR CADIZ, KY—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dicrotophos, water, fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd, 0.7u GF ug/L (82662)	Disulfoton sulfone water, fltrd, ug/L (61640)	Disulfoton sulf-oxide, water, fltrd, ug/L (61641)	Disulfoton, water, fltrd, 0.7u GF ug/L (82677)	(E)-Dimethomorph, water, fltrd, ug/L (79844)	Endosulfan ether, water, fltrd, ug/L (61642)	EPTC, water, fltrd, 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd, 0.7u GF ug/L (82663)	Ethion monooxon water, fltrd, ug/L (61644)
APR 13...	<0.003	E0.004	<0.08	<0.009	<0.006	<0.02	<0.002	<0.02	<0.02	<0.004	<0.004	<0.009	<0.03
JUL 13...	<.003	E.004	<.08	<.009	<.006	<.01	<.036	<.02	<.02	<.007	<.004	<.009	<.0020

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ethion, water, fltrd, ug/L (82346)	Ethoprop, water, fltrd, 0.7u GF ug/L (82672)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulf-oxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Fenthion sulf-oxide, water, fltrd, ug/L (61647)	Flumetralin, water, fltrd, ug/L (61592)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Lindane water, fltrd, ug/L (39341)
APR 13...	<0.004	<0.005	<0.008	<0.03	<0.03	<0.008	<0.004	<0.002	<0.003	<0.013	<1	<0.003	<0.004
JUL 13...	<.004	<.005	<.049	<.04	<.03	<.008	<.004	<.003	<.003	<.013	<0.387	<.003	<.004

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Linuron water, fltrd, 0.7u GF ug/L (82666)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)	c-Permethric acid methyl ester, wat flt ug/L (79842)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd, 0.7u GF ug/L (82667)	t-Permethric acid methyl ester, wat flt ug/L (79843)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd, 0.7u GF ug/L (82671)	Myclobutanil water, fltrd, ug/L (61599)
APR 13...	<0.035	<0.008	<0.027	<0.005	<0.006	<0.04	<0.03	<0.015	<0.03	0.015	<0.006	<0.003	<0.008
JUL 13...	<.035	<.030	<.027	<.005	<.006	<.02	<.03	<.015	<.01	.014	<.006	<.003	<.008

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Napropamide, water, fltrd, 0.7u GF ug/L (82684)	O-Et-O-Me-S-Pr-phosphorothioate wat flt ug/L (61660)	Oxyfluorfen, water, fltrd, ug/L (61600)	p,p'-DDE, water, fltrd, ug/L (34653)	Paraoxon, water, fltrd, ug/L (61663)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd, 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd, 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water, fltrd, 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Phostebupirim water, fltrd, ug/L (61602)
APR 13...	<0.007	<0.008	<0.007	<0.003	<0.008	<0.010	<0.004	<0.022	<0.10	<0.011	<0.06	<0.008	<0.005
JUL 13...	<.007	<.005	<.007	<.003	<.016	<.010	<.004	<.022	<.10	<.011	<.05	<.008	<.005

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Profenofos water, fltrd, ug/L (61603)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Propyzamide, water, fltrd, 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd, 0.7u GF ug/L (82679)	Propargite, water, fltrd, 0.7u GF ug/L (82685)	Propetamphos, water, fltrd, ug/L (61604)	Simazine, water, fltrd, ug/L (04035)	Sulfo-tepp, water, fltrd, ug/L (61605)	Sulprofos, water, fltrd, ug/L (38716)	Tebu-pirimphos oxon, water, fltrd, ug/L (61669)	Tebu-thiuron water, fltrd, 0.7u GF ug/L (82670)
APR 13...	<0.006	0.01	<0.005	<0.004	<0.025	<0.011	<0.02	<0.004	0.279	<0.003	<0.02	<0.006	<0.02
JUL 13...	<.006	.01	<.005	<.004	<.025	<.011	<.02	<.004	.056	<.003	<.02	<.006	<.02

03438080 LITTLE RIVER AT CRUTE ROAD BRIDGE NEAR CADIZ, KY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Teflu- thrin, water, fltrd, ug/L (61606)	Teme- phos, water, fltrd, ug/L (61607)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Ter- bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Ter- buthyl- azine, water, fltrd, ug/L (04022)	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	trans- Propi- cona- zole, water, fltrd, ug/L (79847)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tribu- phos, water, fltrd, ug/L (61610)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	(Z)-Di- metho- morph, water, fltrd, ug/L (79845)	Di- chlor- vos, water fltrd, ug/L (38775)
APR 13...	<0.008	<0.3	<0.034	<0.07	<0.02	<0.01	<0.010	<0.01	<0.002	<0.004	<0.009	<0.05	<0.01
JUL 13...	<.008	<.3	<.034	<.07	<.02	<.01	<.010	<.01	<.002	<.004	<.009	<.05	<.01

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sus- pended sediment concentration mg/L (80154)
APR 13...	5
JUL 13...	33

E--Laboratory estimated value.  
M--Presence of material verified but not quantified.  
<--Numeric result is less than the value shown.