

Kentucky River Watershed Watch
Spring 2009 Sampling Results

Field ID	Collection Date	Stream	Location	Flow	Rainfall	Turbidity	Dissolved Oxygen (mg/L)	pH	Temperature	Conductance (micromhos/cm)	Triazines by Immunoassay (ug/L) *	2,4-D by Immunoassay (ug/L) *	Minimum Detection Limit (ug/L)
Water Quality Standards							5.0 mg/L for Aquatic Life	6.0 - 9.0 for Aquatic Life	31.7° C for Warm Water Aquatic Habitat	800 micromhos/cm for Ohio River	3.0 for DWS * 350 for Acute AL* 12 for Chronic AL	70 ug/L for DWS (USEPA)	
K307	16-May-09	Wolf Run	at Old Frankfort Pike (USGA Site)	3	0.5	0	8.4	8	16	650	0.03		0.06
K307	16-May-09	Wolf Run	at Old Frankfort Pike (USGA Site)	3	0.5	0	8.4	8	16	650		0.45	0.9
K471	16-May-09	Vaughns Branch	WR-V2 Park at end of Tazwell Drive		0.5		6.4	7.5	14	560	0.03		0.06
K471	16-May-09	Vaughns Branch	WR-V2 Park at end of Tazwell Drive		0.5		6.4	7.5	14	560		0.45	0.9
K531	16-May-09	Glenns Creek	4845 McCracken Pike	4	0.5	2	8.4	7.8	16		0.24		0.06
K582	16-May-09	Cardinal Run	WR-Upstream of Lexington School soccer f	4	0.5	0		7.5			0.03	0.45	0.9
K582	16-May-09	Cardinal Run	WR-Upstream of Lexington School soccer f	4	0.5	0		7.5			0.03		0.06
K583	15-May-09	Silver Lake	Behind 1235 Kimbell Drive (Western Shore	1	1	0			25	400	0.03		0.06
K588	15-May-09	Lees Branch	at US62 Downtown	4	0.5	0	9	7.75	15		0.03		0.06
K596	16-May-09	Eagle Creek	bridge on Fortner Ridge Road over eagle	4	1.5	1	7	5.6	16		0.03		0.06
K608	16-May-09	Unnamed Trib	below dock at 668 Mallard Cove on Herrin	4	1.5	1	12.4	8.25	22.5		0.03		0.06
K611	16-May-09	Unnamed Tributary	near corner of Wilson Downing Rd and Bel	3	0.5	0	8.1	8.2	18	360	0.03		0.06
K611	16-May-09	Unnamed Tributary	near corner of Wilson Downing Rd and Bel	3	0.5	0	8.1	8.2	18	360		0.45	0.9
K623	18-May-09	Kentucky River	Boat Ramp upstream of bridge at US 68 at	3	0	2	9	7.5	17		0.03		0.06
K627	16-May-09	Hayes Fork	Silver Creek is on northside of playgrou	3	0.5	2	8.8	7.6	17		0.03		0.06
K628	17-May-09	West Fork Silver Creek	near intersection of 1617 and 595 by tir	4	0.5	2	9	5	15		0.03		0.06
K629	16-May-09	Otter Creek	at confluence	3	0.5		2.8	8.5	23		0.03		0.06
K630	16-May-09	Stony Creek	at confluence	3	0.5		8	8	18		0.03		0.06
K631	16-May-09	Otter Creek	downstream of treatment plant	3	0.5		4.6	8.5	20		0.03		0.06
K632	17-May-09	Otter Creek	downstream of Lake Reba and 52 off Concor	3	0.5	2	8.5	8	18		0.07		0.06
K633	17-May-09	Otter Creek	at Hunter Rd off of Four Mile Rd	3	0.5	2	9.4	7.8	17		0.03		0.06
K634	15-May-09	Eagle Creek	bridge on HWY36 Sanders Ayers (Eagle Crk	4	1	1	6.9	7.7	17		0.03		0.06
K636	15-May-09	Hickman Creek	where Bethany Rd bridge crosses Hickman	4		0	n	8	19			0.45	0.9
K636	15-May-09	Hickman Creek	where Bethany Rd bridge crosses Hickman	4		0	12.2	8	19		0.06		0.06
K637	16-May-09	North Elkhorn Creek	White Oak Rd bridge over Elkhorn and S o	3	0.5	1	8.4	7.8	18		0.13		0.06
K638	17-May-09	Six Mile Creek	2.2 miles W of Lockport on sixmile creek	4	0.5	1	7.6	8	17.5		0.19		0.06
K640	16-May-09	Clarks Run	at US 150 (Stanford Rd)	3	0.5	0	10	8	18		0.03		0.06
K643	16-May-09	Jessamine Creek	Short Shun Crossing	4	0.5	1	8	7.3	18		0.36		0.06
K644	18-May-09	Cane Run	intersection of Hollow Crk off Russell C	2	0	1	7.8	8	18		0.03		0.06
K645	14-May-09	Unnamed Tributary	to S Elkhorn Creek at Cromwell Way bridg	3	1	0	5.4	7	20		0.03		0.06
K645	14-May-09	Unnamed Tributary	to S Elkhorn Creek at Cromwell Way bridg	3	1	0	5.4	7	20			0.45	0.9
K646	18-May-09	Boone Creek	mile marker 1463 Bluegrass Christian Cam	3	0.1	0	8.4	8	14		0.03		0.06
K647	15-May-09	Unnamed Tributary	to S Elkhorn Stonewall Branch off Cromwe	3	1	0	6.2	7.5	18			0.45	0.9
K647	15-May-09	Unnamed Tributary	to S Elkhorn Stonewall Branch off Cromwe	3	1	0	6.2	7.5	18		0.03		0.06

* Results that were less than the laboratory's minimum detection limit for the Triazines or 2,4-D parameters are displayed as a value that is half of this limit. (ex. 0.03 ug/L for Triazines and 0.45 ug/L for 2,4-D). Thus, there were no detections of 2,4-D.

* DWS = Drinking Water Standard, AL = Aquatic Life standard