

2007 Kentucky River Watershed Watch Nutrient Sampling Results

Sample ID#	Collection Date	Nitrate-N (NO ₃ -N) mg/L	Total Nitrogen mg/L	Total Recoverable Phosphorus mg/L	Sulfate mg/L
Water Quality Standard		10 (DWS*)	N/A	0.5 (KRWW unofficial)	250 (DWS*)
Minimum Detection Limit		0.02 mg/L	0.07 mg/L	0.05 mg/L	5 mg/L
K002	14-Sep-07	1.04	1.04	0.47	62.6
K005	14-Sep-07	0.16	0.17	0.41	36.1
K012	17-Sep-07	0.045	0.18	0.12	29.8
K013	17-Sep-07	1.29	1.32	0.32	52.4
K014	14-Sep-07	11.1	11.15	0.48	76.8
K016	15-Sep-07	0.63	1.08	0.24	59.8
K017	16-Sep-07	0.23	0.22	Less Than MDL	565
K026	25-Sep-07	14.24	14.22	1.64	188
K029	15-Sep-07	0.203	0.2	0.32	21.8
K030	13-Sep-07	11.39	11.34	1.32	66.6
K035	14-Sep-07	0.023	0.15	0.12	142
K036	14-Sep-07	0.271	0.3	0.12	54.4
K037	14-Sep-07	Less Than MDL	0.19	0.15	30.8
K038	14-Sep-07	0.09	0.13	0.14	63.6
K039	14-Sep-07	1.28	1.2	0.12	68.5
K050	16-Sep-07	Less Than MDL	0.18	0.04	43.3
K051	16-Sep-07	0.023	0.17	0.09	40.9
K052	16-Sep-07	0.023	0.24	0.12	44.3
K053	15-Sep-07	0.7	0.69	0.58	37.3
K054	14-Sep-07	2.33	2.27	0.3	51.8
K055	16-Sep-07	2.94	3.11	0.46	141
K057	14-Sep-07	3.48	3.48	0.35	19
K062	16-Sep-07	0.66	0.68	0.05	308
K063	16-Sep-07	0.18	0.19	Less Than MDL	120
K071	14-Sep-07	1.02	1	0.26	65.6
K081	17-Sep-07	0.023	0.08	0.06	407
K082	17-Sep-07	0.68	0.66	0.17	392
K083	16-Sep-07	0.068	0.1	Less Than MDL	1220
K084	15-Sep-07	0.61	0.71	0.33	14.6
K085	17-Sep-07	19.25	20.03	1.86	105
K090	16-Sep-07	0.113	0.13	0.04	168
K094	15-Sep-07	0.407	0.41	0.09	13
K095	15-Sep-07	0.203	0.25	0.09	11.3
K096	17-Sep-07	2.89	2.89	0.4	15.4
K104	16-Sep-07	0.045	0.12	Less Than MDL	674
K105	16-Sep-07	0.045	0.08	Less Than MDL	100
K112	17-Sep-07	0.41	0.43	Less Than MDL	337
K114	17-Sep-07	0.11	0.11	0.04	420
K116	16-Sep-07	0.045	0.08	0.09	154
K120	24-Sep-07	4.61	4.81	1.74	43.9

K121	17-Sep-07	0.54	0.54	0.33	64.8
K122	17-Sep-07	0.63	0.68	0.29	63.3
K123	17-Sep-07	14.58	14.62	1.74	176
K125	15-Sep-07	0.045	0.16	0.14	68.3
K126	17-Sep-07	13.42	13.53	0.83	97.7
K132	14-Sep-07	0.588	0.56	0.17	41.7
K135	16-Sep-07	0.068	0.09	Less Than MDL	675
K141	15-Sep-07	0.14	0.14	Less Than MDL	327
K156	16-Sep-07	0.023	0.1	0.04	240
K157	15-Sep-07	0.09	0.11	0.05	238
K158	15-Sep-07	0.81	0.82	0.22	48.7
K160	15-Sep-07	0.158	0.21	0.22	71.3
K180	15-Sep-07	1.04	1	0.18	55.5
K183a	17-Sep-07	4.16	4.09	0.47	26
K184	17-Sep-07	1.08	1.1	0.11	69.7
K187	16-Sep-07	0.023	0.14	0.07	16.5
K188	17-Sep-07	0.29	0.26	0.07	8.8
K189	17-Sep-07	0.045	0.28	0.08	16.2
K191	16-Sep-07	9.92	10.13	1.62	222
K198	16-Sep-07	0.14	0.17	0.06	92.3
K199	16-Sep-07	0.16	0.19	0.07	91.7
K200	16-Sep-07	0.2	0.22	0.08	90.2
K201	16-Sep-07	0.18	0.23	0.08	89
K208	15-Sep-07	0.23	0.23	0.22	91.9
K209	16-Sep-07	15.48	15.83	2.1	241
K213	16-Sep-07	0.14	0.15	0.12	141
K214	16-Sep-07	0.023	0.09	0.05	246
K215	17-Sep-07	0.18	0.18	Less Than MDL	1590
K216	17-Sep-07	0.068	0.1	Less Than MDL	1610
K224	17-Sep-07	5.63	5.63	0.77	57.7
K235	14-Sep-07	0.452	0.4	0.1	74.8
K241	17-Sep-07	0.023	0.18	0.12	21.8
K242	17-Sep-07	0.16	0.18	0.07	59.5
K243	17-Sep-07	0.2	0.21	0.1	8.8
K245	17-Sep-07	0.11	0.72	0.15	88.4
K249	17-Sep-07	0.09	0.25	0.08	56.8
K250	16-Sep-07	0.068	0.16	0.09	9.3
K251	16-Sep-07	0.045	0.26	0.04	17
K256	17-Sep-07	0.27	0.29	0.16	62.6
K257	14-Sep-07	1.31	1.32	0.26	59.9
K258	15-Sep-07	0.203	0.2	0.27	69.3
K264	16-Sep-07	1.94	1.91	0.18	81.9
K265	13-Sep-07	0.068	0.09	0.55	48.4
K267	15-Sep-07	0.316	0.28	0.51	65.9
K295	16-Sep-07	0.32	0.32	0.06	76.5
K297	14-Sep-07	2.49	2.5	0.44	58.8
K299	15-Sep-07	1.65	1.73	0.19	45.7
K300	15-Sep-07	2.35	2.28	0.24	33.9
K301	16-Sep-07	0.27	0.28	0.27	27.4
K302	15-Sep-07	2.67	2.71	0.74	142
K303	16-Sep-07	13.74	14.03	0.46	207
K305	15-Sep-07	1.92	2.12	0.45	108
K307	14-Sep-07	1.81	1.89	0.28	50.6

K310	15-Sep-07	0.226	0.32	0.11	22.1
K316	17-Sep-07	0.2	0.17	0.11	124
K317	14-Sep-07	5.92	6.39	0.7	61.5
K318	13-Sep-07	0.023	0.14	0.05	16.1
K319	14-Sep-07	Less Than MDL	0.76	0.38	78.5
K320	14-Sep-07	Less Than MDL	0.19	0.11	62.8
K321	13-Sep-07	Less Than MDL	0.14	0.19	24.8
K323	16-Sep-07	0.56	0.51	0.32	68.2
K327	13-Sep-07	0.045	0.13	0.09	30.8
K328	13-Sep-07	0.09	0.2	0.05	19.6
K329	16-Sep-07	4.36	4.38	0.27	32.6
K330	14-Sep-07	3.77	3.73	0.3	26.7
K336	17-Sep-07	0.2	0.22	0.09	7.6
K350	15-Sep-07	3.86	3.95	0.56	38.5
K403	14-Sep-07	1.51	1.49	0.29	28
K408	15-Sep-07	0.18	0.4	1.4	159
K409	16-Sep-07	0.09	0.13	0.04	236
K418	14-Sep-07	1.4	1.48	0.31	65.1
K437	17-Sep-07	0.43	0.41	Less Than MDL	98.6
K447	17-Sep-07	0.7	0.73	0.07	1260
K451	17-Sep-07	Less Than MDL	Less Than	0.04	152
K454	15-Sep-07	0.023	0.1	Less Than MDL	227
K456	15-Sep-07	0.68	0.62	0.26	18.5
K461	14-Sep-07	1.18	1.1	0.27	29.7
K462	17-Sep-07	3.39	3.37	0.59	31.7
K463	17-Sep-07	0.27	0.25	0.28	Less Than MDL
K464	17-Sep-07	0.045	1.18	0.74	63.9
K465	15-Sep-07	Less Than MDL	0.45	0.66	22.4
K466	17-Sep-07	1.45	1.65	0.17	35.1
K467	17-Sep-07	2.73	2.76	0.29	77.3
K468	17-Sep-07	0.2	0.25	0.17	37.5
K469	17-Sep-07	3.96	4	0.12	73.9
K470	15-Sep-07	0.09	0.1	0.5	87.3
K471	15-Sep-07	0.45	0.44	0.29	31.5
K472	13-Sep-07	1.58	1.62	0.22	118
K473	16-Sep-07	0.023	Less Than	Less Than MDL	375
K476	17-Sep-07	0.56	0.58	Less Than MDL	527
K478	16-Sep-07	0.16	0.16	Less Than MDL	513
K480	17-Sep-07	0.45	0.9	0.04	131
K481	17-Sep-07	0.32	0.44	Less Than MDL	1030
K483	16-Sep-07	0.045	0.08	Less Than MDL	1490
K484	16-Sep-07	0.18	0.16	0.06	95.3
K485	16-Sep-07	0.29	0.26	0.04	97
K491	17-Sep-07	0.023	Less Than	Less Than MDL	320
K492	17-Sep-07	0.068	0.09	Less Than MDL	327
K508	16-Sep-07	Less Than MDL	Less Than	0.13	197
K514	16-Sep-07	6.87	6.91	Not Analyzed	208
K515	16-Sep-07	11	11.71	1.76	191
K519	17-Sep-07	0.16	0.16	Less Than MDL	626
K524	15-Sep-07	0.09	0.12	0.06	84.8
K526	14-Sep-07	0.75	0.73	0.18	59.7
K528	14-Sep-07	0.32	0.29	0.24	9.9
K529	14-Sep-07	9.22	9.43	1.12	135

K530	16-Sep-07	6.51	6.53	1.09	188
K534	17-Sep-07	0.16	0.18	Less Than MDL	197
K535	17-Sep-07	0.61	0.62	0.05	1370
K536	17-Sep-07	0.97	0.97	Less Than MDL	1600
K542	16-Sep-07	0.27	0.27	Less Than MDL	1990
K543	15-Sep-07	0.45	0.4	0.04	39.4
K548	15-Sep-07	Less Than MDL	Less Than	Less Than MDL	37.7
K549	15-Sep-07	0.023	Less Than	Less Than MDL	42.5
K550	15-Sep-07	0.023	Less Than	Less Than MDL	40.4
K551	13-Sep-07	0.16	0.16	0.08	63.6
K552	15-Sep-07	0.068	0.11	0.08	87.9
K553	15-Sep-07	0.14	0.16	0.05	35.3
K554	16-Sep-07	0.18	0.16	0.05	35.3
K555	15-Sep-07	Less Than MDL	Less Than	0.03	40.8
K556	15-Sep-07	2.85	2.81	1.12	120
K562	15-Sep-07	Less Than MDL	Less Than	0.04	40.8
K565	16-Sep-07	0.045	0.07	Less Than MDL	537
K566	17-Sep-07	1.81	2.05	0.15	280
K567	17-Sep-07	0.36	0.36	Less Than MDL	376
K568	17-Sep-07	0.045	0.08	0.03	47.9
K569	16-Sep-07	0.26	0.23	0.03	171
K575	16-Sep-07	0.2	0.21	Less Than MDL	651
K576	16-Sep-07	0.18	0.18	Less Than MDL	466
K577	17-Sep-07	Less Than MDL	0.12	Less Than MDL	326
K578	16-Sep-07	0.09	0.32	0.11	1850
K579	16-Sep-07	0.29	0.29	Less Than MDL	1490
K580	16-Sep-07	0.16	0.13	Less Than MDL	924
K581	13-Sep-07	Less Than MDL	0.31	0.88	14
K582	15-Sep-07	0.27	0.28	0.27	181
K583	14-Sep-07	Less Than MDL	0.17	0.44	23.3
K584	16-Sep-07	0.068	0.1	Less Than MDL	482

* DWS = Drinking Water Standard (for Kentucky)
MDL = Maximum Detection Limit (of laboratory equipment)