

Appendix A:
Table of Assessment Report Metrics

Kentucky River Basin Management Plan

Kentucky River Basin 2000 Assessment Report Watershed Data Summary	Units	Mean	Low	High	Median	Region:		
						North Fork Kentucky River headwaters	N. Fork Rockhouse Creek	N. Fork Kentucky River near Hazard
River Basin code	5 digits					05100	05100	05100
+ Subbasin code	8 digits					201	201	201
+ Watershed code	11 digits					010	020	030
Headwaters watershed?						yes	yes	no
Watershed Area	sq. miles	72	8	276	53	131	56	63
PROTECTION FACTORS								
Wetland Areas	acres	12	0	106	2	3	1	1
Surface Drinking Water Sources	number	2	0	14	0	5	1	8
Ground Drinking Water Sources	number	1	0	17	0	9	7	7
Groundwater Sensitivity Score	index	3.21	2.16	5.00	3.00	3.13	3.00	3.00
KY Fish and Wildlife Area	acres	9	0	274	0	0	0	0
US Forest Service Area	acres	1,170	0	14,424	0	869	0	2,844
KY State Park Area	acres	4	0	179	0	0	0	0
Nature Preserves Comm. Area	acres	3	0	133	0	63	0	0
Nature Conservancy Area	acres	262	0	22,983	0	0	0	0
Reference Reach Watersheds	index	3.08	0.00	100.00	0.00	0.00	0.00	0.00
Outstanding Resource	index	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recognized Stream Resources	index	1	0	8	0	0	0	0
KY Rivers Assessment Scores	index	1.80	0.00	11.18	0.73	0.65	0.51	4.03
OBSERVED IMPACTS								
Mean Level of Support, Drinking Water Supply, 2000 305(b)	1 = full support, 2 = partial, 3 = non-support; weighted by stream miles.	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Fish Consumption, 2000 305(b)		1.00	1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Swimming, 2000 305(b)		1.33	1.00	3.00	1.00	1.00	3.00	3.00
Mean Level of Support, Aquatic Life, 2000 305(b)		1.31	1.00	3.00	1.00	3.00	1.00	1.00
Flood Declarations Since 1970	number	4	0	10	3	10	10	9
Water Supply Inadequacy	index	0.22	0.00	2.00	0.00	2.00	0.00	0.00
Contamination Sites	number	4	0	71	1	3	1	1
POTENTIAL IMPACTS								
Potential Contamination Sites	number	12	1	121	8	23	9	16
Potential Pesticide Sales	tons	10	0	45	5	0	0	0
Potential Fertilizer Application	tons	394	0	2,747	232	0	0	10
Agriculture Erosion Potential	tons/acre	3.20	0.57	9.79	2.96	1.43	1.43	3.19
Livestock Operations	animal	7,021	55	43,826	3,497	438	188	272
KPDES Discharge Violations	number	39	0	541	0	61	19	153
Citizen Complaints to DOW	number	9	0	53	7	28	12	16
Toxic Release Inventory Score	index	232	0	11,548	0	0	0	0
Population Change Projection	number	448	-149	11,030	135	-28	-5	328
Unsewered Population	number	1,114	12	4,511	831	4,511	1,242	1,643
Mining Area	acres	33	0	586	0	231	174	219
Surface Water Runoff Potential	index	68	60	79	67	61	61	61
KPDES Permitted Discharges	number	6	0	56	4	24	8	9
Overall Watershed Rank		<i>High indicates the highest needs, and low the lowest needs, for restoration and/or for protection</i>				High	High	High
Protection Rank						High	Medium	High
Restoration Rank						High	High	High
Potential Impact						High	Medium	High
Observed Impact						High	High	High

Appendix A: Table of Assessment Report Metrics

Region:		N. Fork	N. Fork	N. Fork	N. Fork	N. Fork	N. Fork
Kentucky River Basin 2000 Assessment Report Watershed Data Summary		Line Fork	Leatherwood Creek	Maces Creek	Carr Fork	Lotts Creek	Big Creek
	Units						
River Basin code	5 digits	05100	05100	05100	05100	05100	05100
+ Subbasin code	8 digits	201	201	201	201	201	201
+ Watershed code	11 digits	040	050	060	070	080	090
Headwaters watershed?		yes	yes	yes	yes	yes	yes
Watershed Area	sq. miles	65	50	27	86	34	19
PROTECTION FACTORS							
Wetland Areas	acres	1	0	0	2	3	0
Surface Drinking Water Sources	number	0	2	1	3	1	0
Ground Drinking Water Sources	number	3	5	1	6	3	0
Groundwater Sensitivity Score	index	3.20	3.00	3.00	3.00	3.00	3.00
KY Fish and Wildlife Area	acres	0	0	0	274	0	0
US Forest Service Area	acres	36	2,937	1,580	1,082	1,063	1,156
KY State Park Area	acres	11	0	0	0	0	0
Nature Preserves Comm. Area	acres	67	0	0	0	0	0
Nature Conservancy Area	acres	0	0	0	0	0	0
Reference Reach Watersheds	index	0.00	0.00	0.00	0.00	0.00	0.00
Outstanding Resource	index	0.00	0.00	0.00	0.00	0.00	0.00
Recognized Stream Resources	index	2	0	0	0	0	0
KY Rivers Assessment Scores	index	0.88	0.00	0.00	0.16	0.00	0.01
OBSERVED IMPACTS							
Mean Level of Support, Drinking Water Supply, 2000 305(b)	1 = full support,	1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Fish Consumption, 2000 305(b)	2 = partial,	1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Swimming, 2000 305(b)	3 = non-support; weighted	2.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Aquatic Life, 2000 305(b)	by stream miles.	1.00	1.00	1.00	1.00	2.00	1.00
Flood Declarations Since 1970	number	9	9	9	8	8	9
Water Supply Inadequacy	index	0.00	0.00	0.00	0.00	0.00	0.00
Contamination Sites	number	1	1	0	1	0	0
POTENTIAL IMPACTS							
Potential Contamination Sites	number	11	14	7	13	7	5
Potential Pesticide Sales	tons	0	0	0	1	1	0
Potential Fertilizer Application	tons	0	11	6	9	5	4
Agriculture Erosion Potential	tons/acre	1.44	3.84	3.78	2.47	2.97	3.78
Livestock Operations	animal	218	230	123	334	141	90
KPDES Discharge Violations	number	0	0	0	0	38	12
Citizen Complaints to DOW	number	14	13	7	14	7	5
Toxic Release Inventory Score	index	0	0	0	0	0	0
Population Change Projection	number	65	46	183	-149	131	53
Unsewered Population	number	1,146	672	701	2,085	1,066	594
Mining Area	acres	137	194	46	272	44	44
Surface Water Runoff Potential	index	60	60	60	61	61	61
KPDES Permitted Discharges	number	3	1	1	8	5	1
Overall Watershed Rank		High	High	Medium	Medium	High	Medium
Protection Rank		Medium	High	Medium	High	Medium	Medium
Restoration Rank		High	High	High	Medium	High	Medium
Potential Impact		Low	Medium	Low	Medium	Low	Low
Observed Impact		High	High	Medium	Medium	High	Medium

Kentucky River Basin Management Plan

		Region:					
		N. Fork	N. Fork	N. Fork	N. Fork	N. Fork	N. Fork
Kentucky River Basin 2000 Assessment Report Watershed Data Summary		North Fork Kentucky River near Chavies	Grapevine Creek	Troublesome Creek	South Fork of Quicksand Creek	Quicksand Creek	North Fork Kentucky River mouth
Units							
River Basin code	5 digits	05100	05100	05100	05100	05100	05100
+ Subbasin code	8 digits	201	201	201	201	201	201
+ Watershed code	11 digits	100	110	120	130	140	150
Headwaters watershed?		no	yes	yes	yes	yes	no
Watershed Area	sq. miles	94	14	246	40	163	83
PROTECTION FACTORS							
Wetland Areas	acres	1	0	2	1	8	1
Surface Drinking Water Sources	number	1	0	3	0	0	4
Ground Drinking Water Sources	number	2	0	17	1	0	2
Groundwater Sensitivity Score	index	3.00	3.00	3.00	3.00	3.00	3.00
KY Fish and Wildlife Area	acres	0	0	0	0	0	0
US Forest Service Area	acres	3,086	841	3,370	0	0	15
KY State Park Area	acres	0	0	0	0	0	0
Nature Preserves Comm. Area	acres	0	0	0	0	0	0
Nature Conservancy Area	acres	0	0	0	0	0	0
Reference Reach Watersheds	index	0.00	0.00	11.00	0.00	0.00	0.00
Outstanding Resource	index	0.00	0.00	0.00	0.00	0.00	0.00
Recognized Stream Resources	index	0	0	7	0	0	1
KY Rivers Assessment Scores	index	3.05	0.03	1.15	0.00	0.44	4.54
OBSERVED IMPACTS							
Mean Level of Support, Drinking Water Supply, 2000 305(b)	1 = full support, 2 = partial, 3 = non-support; weighted by stream miles.	1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Fish Consumption, 2000 305(b)		1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Swimming, 2000 305(b)		1.00	1.00	2.85	1.00	1.00	3.00
Mean Level of Support, Aquatic Life, 2000 305(b)		3.00	3.00	1.58	2.00	1.95	1.00
Flood Declarations Since 1970	number	9	9	8	9	8	7
Water Supply Inadequacy	index	0.00	0.00	1.00	0.00	0.00	1.00
Contamination Sites	number	1	0	3	0	1	0
POTENTIAL IMPACTS							
Potential Contamination Sites	number	18	4	37	3	16	9
Potential Pesticide Sales	tons	1	0	1	2	2	2
Potential Fertilizer Application	tons	42	3	72	29	88	77
Agriculture Erosion Potential	tons/acre	2.70	3.78	2.33	1.44	1.65	3.33
Livestock Operations	animal	395	65	960	150	603	624
KPDES Discharge Violations	number	30	93	107	0	0	3
Citizen Complaints to DOW	number	17	4	37	3	16	7
Toxic Release Inventory Score	index	0	0	0	0	0	0
Population Change Projection	number	39	21	314	-35	-24	75
Unsewered Population	number	2,020	340	4,157	281	1,143	1,115
Mining Area	acres	100	28	370	44	153	8
Surface Water Runoff Potential	index	61	61	61	62	61	61
KPDES Permitted Discharges	number	9	7	20	0	4	5
Overall Watershed Rank		High	High	High	High	High	High
Protection Rank		Medium	Medium	High	Low	Low	Medium
Restoration Rank		High	High	High	High	High	High
Potential Impact		Medium	Medium	High	Low	Low	Low
Observed Impact		High	High	High	High	High	High

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Region:		N. Fork	N. Fork	N. Fork	N. Fork	N. Fork	N. Fork
Kentucky River Basin 2000 Assessment Report Watershed Data Summary		Cane Creek in Breathitt County	Frozen Creek	Boone Fork	Holly Creek	Upper Devil Creek	Lower Devil Creek
	Units						
River Basin code	5 digits	05100	05100	05100	05100	05100	05100
+ Subbasin code	8 digits	201	201	201	201	201	201
+ Watershed code	11 digits	160	170	180	190	200	210
Headwaters watershed?		yes	yes	yes	yes	yes	yes
Watershed Area	sq. miles	21	40	15	19	17	18
PROTECTION FACTORS							
Wetland Areas	acres	1	0	0	0	0	0
Surface Drinking Water Sources	number	0	0	0	0	0	0
Ground Drinking Water Sources	number	1	1	0	0	0	0
Groundwater Sensitivity Score	index	3.00	3.00	3.00	3.00	3.00	3.00
KY Fish and Wildlife Area	acres	0	0	0	0	0	0
US Forest Service Area	acres	0	0	0	0	0	40
KY State Park Area	acres	0	0	0	0	0	0
Nature Preserves Comm. Area	acres	0	0	0	0	0	0
Nature Conservancy Area	acres	0	0	0	0	0	0
Reference Reach Watersheds	index	0.00	0.00	0.00	0.00	0.00	0.00
Outstanding Resource	index	0.00	0.00	0.00	0.00	0.00	0.00
Recognized Stream Resources	index	0	0	0	0	0	0
KY Rivers Assessment Scores	index	0.00	0.44	0.00	0.00	0.00	0.00
OBSERVED IMPACTS							
Mean Level of Support, Drinking Water Supply, 2000 305(b)	1 = full support,	1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Fish Consumption, 2000 305(b)	2 = partial,	1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Swimming, 2000 305(b)	3 = non-support;	1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Aquatic Life, 2000 305(b)	weighted by stream miles.	1.00	1.18	1.00	2.00	2.00	1.00
Flood Declarations Since 1970	number	9	9	8	2	2	2
Water Supply Inadequacy	index	1.00	0.00	0.00	0.00	0.00	0.00
Contamination Sites	number	0	0	0	0	0	0
POTENTIAL IMPACTS							
Potential Contamination Sites	number	1	3	1	2	2	2
Potential Pesticide Sales	tons	2	2	2	1	1	1
Potential Fertilizer Application	tons	15	29	11	47	43	43
Agriculture Erosion Potential	tons/acre	1.44	1.44	1.44	1.69	1.69	2.09
Livestock Operations	animal	77	147	57	360	326	317
KPDES Discharge Violations	number	0	0	0	0	0	0
Citizen Complaints to DOW	number	2	3	1	1	1	1
Toxic Release Inventory Score	index	0	0	0	0	0	0
Population Change Projection	number	47	1	-10	48	60	67
Unsewered Population	number	274	379	125	182	207	226
Mining Area	acres	2	6	0	0	17	3
Surface Water Runoff Potential	index	60	60	60	61	61	61
KPDES Permitted Discharges	number	1	0	0	0	0	0
Overall Watershed Rank		Medium	Medium	Medium	Medium	Medium	Low
Protection Rank		Low	Low	Low	Low	Low	Low
Restoration Rank		Medium	High	Medium	Medium	Medium	Low
Potential Impact		Low	Low	Low	Low	Low	Low
Observed Impact		Medium	High	Medium	Medium	Medium	Low

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		Region:					
		N. Fork	N. Fork	M. Fork	M. Fork	M. Fork	M. Fork
Kentucky River Basin 2000 Assessment Report Watershed Data Summary		Hell Creek & Walker Creek	Crystal Creek	Middle Fork Kentucky River headwaters	Cutshin Creek	Middle Fork Kentucky River near Buckhorn Lake	Middle Fork Kentucky River mouth
Units							
River Basin code	5 digits	05100	05100	05100	05100	05100	05100
+ Subbasin code	8 digits	201	201	202	202	202	202
+ Watershed code	11 digits	220	230	010	020	030	040
Headwaters watershed?		yes	yes	yes	yes	no	no
Watershed Area	sq. miles	22	8	243	92	73	136
PROTECTION FACTORS							
Wetland Areas	acres	0	0	2	0	0	1
Surface Drinking Water Sources	number	0	0	14	0	1	1
Ground Drinking Water Sources	number	0	0	2	0	0	0
Groundwater Sensitivity Score	index	3.00	3.00	3.02	3.00	3.00	3.00
KY Fish and Wildlife Area	acres	0	0	64	46	226	0
US Forest Service Area	acres	620	484	14,424	5,475	4,347	1,069
KY State Park Area	acres	0	0	0	0	29	0
Nature Preserves Comm. Area	acres	0	0	0	0	0	0
Nature Conservancy Area	acres	0	0	874	0	0	0
Reference Reach Watersheds	index	0.00	0.00	0.00	0.00	0.00	0.00
Outstanding Resource	index	0.00	0.00	0.00	0.00	0.00	0.00
Recognized Stream Resources	index	0	0	2	0	1	0
KY Rivers Assessment Scores	index	0.78	0.00	1.01	0.32	0.00	4.49
OBSERVED IMPACTS							
Mean Level of Support, Drinking Water Supply, 2000 305(b)	1 = full support, 2 = partial, 3 = non-support; weighted by stream miles.	1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Fish Consumption, 2000 305(b)		1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Swimming, 2000 305(b)		1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Aquatic Life, 2000 305(b)		1.39	1.00	1.00	1.21	1.00	1.19
Flood Declarations Since 1970	number	4	5	7	9	9	8
Water Supply Inadequacy	index	0.00	0.00	1.00	0.00	0.00	0.00
Contamination Sites	number	0	0	2	0	0	1
POTENTIAL IMPACTS							
Potential Contamination Sites	number	2	1	28	6	10	17
Potential Pesticide Sales	tons	1	1	0	0	0	2
Potential Fertilizer Application	tons	27	8	7	3	7	99
Agriculture Erosion Potential	tons/acre	6.21	7.04	7.74	9.79	7.80	2.93
Livestock Operations	animal	258	90	661	258	254	695
KPDES Discharge Violations	number	0	0	132	0	0	52
Citizen Complaints to DOW	number	2	1	22	7	10	15
Toxic Release Inventory Score	index	0	0	0	0	0	0
Population Change Projection	number	91	36	77	14	40	92
Unsewered Population	number	12	101	2,345	1,430	870	1,531
Mining Area	acres	1	0	586	174	5	2
Surface Water Runoff Potential	index	60	61	61	60	60	61
KPDES Permitted Discharges	number	2	0	19	10	2	4
Overall Watershed Rank		Medium	Low	High	High	High	Medium
Protection Rank		Medium	Medium	High	Medium	High	Medium
Restoration Rank		Medium	Medium	Medium	High	High	Medium
Potential Impact		Low	Low	High	High	Medium	Low
Observed Impact		Medium	Medium	Medium	High	High	Medium

Appendix A: Table of Assessment Report Metrics

Region:		M. Fork	S. Fork	S. Fork	S. Fork	S. Fork	S. Fork
Kentucky River Basin 2000 Assessment Report Watershed Data Summary		Freeman Fork	Red Bird River	South Fork Kentucky River in Boone Forest	Bullskin Creek	Goose Creek	Sexton Creek
	Units						
River Basin code	5 digits	05100	05100	05100	05100	05100	05100
+ Subbasin code	8 digits	202	203	203	203	203	203
+ Watershed code	11 digits	050	010	020	030	040	050
Headwaters watershed?		yes	yes	no	yes	yes	yes
Watershed Area	sq. miles	15	196	130	29	260	71
PROTECTION FACTORS							
Wetland Areas	acres	0	7	2	1	21	1
Surface Drinking Water Sources	number	0	0	0	0	4	0
Ground Drinking Water Sources	number	0	4	0	0	1	0
Groundwater Sensitivity Score	index	3.00	3.00	3.00	3.00	3.00	3.00
KY Fish and Wildlife Area	acres	0	0	0	0	0	0
US Forest Service Area	acres	18	11,623	7,666	1,754	13,192	3,514
KY State Park Area	acres	0	0	0	0	0	0
Nature Preserves Comm. Area	acres	0	0	0	0	0	0
Nature Conservancy Area	acres	0	0	0	0	0	0
Reference Reach Watersheds	index	0.00	0.00	24.00	0.00	0.00	0.00
Outstanding Resource	index	0.00	0.00	0.00	0.00	0.00	0.00
Recognized Stream Resources	index	0	0	2	0	1	0
KY Rivers Assessment Scores	index	0.00	0.64	3.63	0.64	0.97	1.45
OBSERVED IMPACTS							
Mean Level of Support, Drinking Water Supply, 2000 305(b)	1 = full support,	1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Fish Consumption, 2000 305(b)	2 = partial,	1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Swimming, 2000 305(b)	3 = non-support; weighted	1.00	3.00	1.00	1.00	2.00	1.00
Mean Level of Support, Aquatic Life, 2000 305(b)	by stream miles.	1.00	1.00	1.21	1.00	1.34	1.71
Flood Declarations Since 1970	number	9	6	6	6	6	5
Water Supply Inadequacy	index	0.00	0.00	0.00	0.00	1.00	0.00
Contamination Sites	number	0	1	0	0	3	0
POTENTIAL IMPACTS							
Potential Contamination Sites	number	1	14	12	2	24	5
Potential Pesticide Sales	tons	2	2	2	2	2	3
Potential Fertilizer Application	tons	11	242	235	48	496	155
Agriculture Erosion Potential	tons/acre	1.44	5.38	3.24	4.04	3.51	2.84
Livestock Operations	animal	55	1,582	1,994	285	3,207	1,551
KPDES Discharge Violations	number	0	11	0	0	21	0
Citizen Complaints to DOW	number	1	11	4	1	24	3
Toxic Release Inventory Score	index	0	0	0	0	0	0
Population Change Projection	number	32	12	120	67	882	256
Unsewered Population	number	166	2,309	926	359	4,154	1,022
Mining Area	acres	2	108	21	5	104	9
Surface Water Runoff Potential	index	60	60	60	60	61	61
KPDES Permitted Discharges	number	0	5	1	0	11	3
Overall Watershed Rank		Medium	High	Medium	Medium	Medium	High
Protection Rank		Low	High	High	Medium	High	Medium
Restoration Rank		Medium	High	Medium	Medium	Medium	High
Potential Impact		Low	Medium	Low	Low	High	Low
Observed Impact		Medium	High	Medium	Medium	Medium	High

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		Region:					
		S. Fork	S. Fork	Mid-Ky.	Mid-Ky.	Mid-Ky.	Mid-Ky.
Kentucky River Basin 2000 Assessment Report Watershed Data Summary		South Fork Kentucky River mouth	Meadow Creek	Kentucky River above Heidelberg	Sturgeon Creek	Kentucky River above Ravenna	Millers Creek
	Units						
River Basin code	5 digits	05100	05100	05100	05100	05100	05100
+ Subbasin code	8 digits	203	203	204	204	204	204
+ Watershed code	11 digits	060	070	010	020	030	040
Headwaters watershed?		no	yes	no	yes	no	yes
Watershed Area	sq. miles	45	17	18	111	60	75
PROTECTION FACTORS							
Wetland Areas	acres	1	0	7	2	9	17
Surface Drinking Water Sources	number	2	0	0	0	1	2
Ground Drinking Water Sources	number	0	0	0	0	0	0
Groundwater Sensitivity Score	index	3.00	3.00	3.36	3.13	3.32	3.51
KY Fish and Wildlife Area	acres	0	0	0	0	0	0
US Forest Service Area	acres	259	37	1,033	2,500	3,267	4,404
KY State Park Area	acres	0	0	0	0	0	0
Nature Preserves Comm. Area	acres	0	0	0	0	0	0
Nature Conservancy Area	acres	0	0	0	0	0	0
Reference Reach Watersheds	index	0.00	0.00	0.00	83.00	0.00	0.00
Outstanding Resource	index	0.00	0.00	0.00	0.00	0.00	0.00
Recognized Stream Resources	index	1	0	0	1	0	1
KY Rivers Assessment Scores	index	4.63	0.00	1.80	1.94	8.49	0.73
OBSERVED IMPACTS							
Mean Level of Support, Drinking Water Supply, 2000 305(b)	1 = full support, 2 = partial, 3 = non-support; weighted by stream miles.	1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Fish Consumption, 2000 305(b)		1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Swimming, 2000 305(b)		1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Aquatic Life, 2000 305(b)		1.11	2.00	1.00	1.00	1.00	1.00
Flood Declarations Since 1970	number	6	7	5	5	4	4
Water Supply Inadequacy	index	1.00	0.00	0.00	0.00	0.00	0.00
Contamination Sites	number	0	0	0	0	1	2
POTENTIAL IMPACTS							
Potential Contamination Sites	number	4	1	2	11	9	11
Potential Pesticide Sales	tons	2	2	1	3	1	1
Potential Fertilizer Application	tons	69	29	18	232	140	179
Agriculture Erosion Potential	tons/acre	4.40	3.28	7.04	3.76	4.18	3.97
Livestock Operations	animal	640	275	194	3,497	2,239	2,572
KPDES Discharge Violations	number	90	0	74	0	0	253
Citizen Complaints to DOW	number	2	1	2	6	4	5
Toxic Release Inventory Score	index	0	0	0	0	0	0
Population Change Projection	number	168	126	47	5	-13	153
Unsewered Population	number	695	303	215	1,207	660	703
Mining Area	acres	7	3	1	33	4	0
Surface Water Runoff Potential	index	62	61	61	61	61	64
KPDES Permitted Discharges	number	10	0	1	0	3	4
Overall Watershed Rank		Medium	High	Medium	Medium	Medium	Medium
Protection Rank		Medium	Low	High	High	High	High
Restoration Rank		Medium	High	Medium	Medium	Low	Medium
Potential Impact		Low	Low	Low	Low	Low	Medium
Observed Impact		Medium	High	Medium	Medium	Low	Medium

Appendix A: Table of Assessment Report Metrics

		Region:						
		Mid-Ky.	Mid-Ky.	Mid-Ky.	Mid-Ky.	Mid-Ky.	Mid-Ky.	
Kentucky River Basin 2000 Assessment Report Watershed Data Summary		Units	Station Camp Creek	Cow Creek	Red Lick Creek	Kentucky River above Red River	White Oak Creek	Drowning Creek
River Basin code	5 digits	05100	05100	05100	05100	05100	05100	05100
+ Subbasin code	8 digits	204	204	204	204	204	204	204
+ Watershed code	11 digits	050	060	070	080	090	100	
Headwaters watershed?		no	yes	yes	no	yes	yes	
Watershed Area	sq. miles	147	17	70	52	11	37	
PROTECTION FACTORS								
Wetland Areas	acres	11	0	3	21	0	1	
Surface Drinking Water Sources	number	0	0	2	4	0	0	
Ground Drinking Water Sources	number	0	0	0	0	1	0	
Groundwater Sensitivity Score	index	3.46	2.90	2.58	2.91	2.67	3.00	
KY Fish and Wildlife Area	acres	0	0	25	0	0	1	
US Forest Service Area	acres	6,141	1,027	697	1	372	0	
KY State Park Area	acres	0	0	0	0	0	0	
Nature Preserves Comm. Area	acres	0	0	0	0	0	0	
Nature Conservancy Area	acres	0	0	0	0	0	0	
Reference Reach Watersheds	index	81.00	0.00	0.00	0.00	0.00	0.00	
Outstanding Resource	index	0.00	0.00	0.00	0.00	0.00	0.00	
Recognized Stream Resources	index	2	0	0	0	0	0	
KY Rivers Assessment Scores	index	3.87	0.03	0.53	11.18	0.04	0.00	
OBSERVED IMPACTS								
Mean Level of Support, Drinking Water Supply, 2000 305(b)	1 = full support,	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Fish Consumption, 2000 305(b)	2 = partial,	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Swimming, 2000 305(b)	3 = non-support; weighted	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Aquatic Life, 2000 305(b)	by stream miles.	1.09	1.00	1.00	1.00	1.00	1.00	1.00
Flood Declarations Since 1970	number	4	4	3	3	4	3	
Water Supply Inadequacy	index	0.00	0.00	0.00	1.00	0.00	0.00	
Contamination Sites	number	3	0	3	2	0	2	
POTENTIAL IMPACTS								
Potential Contamination Sites	number	16	3	13	10	1	8	
Potential Pesticide Sales	tons	3	1	16	9	1	20	
Potential Fertilizer Application	tons	516	61	426	250	37	252	
Agriculture Erosion Potential	tons/acre	1.44	1.62	2.77	2.23	1.62	3.17	
Livestock Operations	animal	8,742	970	10,457	5,764	587	5,399	
KPDES Discharge Violations	number	0	0	0	262	0	0	
Citizen Complaints to DOW	number	6	1	6	3	0	4	
Toxic Release Inventory Score	index	0	0	0	0	94	0	
Population Change Projection	number	184	162	111	327	118	70	
Unsewered Population	number	2,081	231	1,378	975	153	831	
Mining Area	acres	6	0	0	3	0	0	
Surface Water Runoff Potential	index	63	61	67	78	66	77	
KPDES Permitted Discharges	number	7	4	0	8	3	2	
Overall Watershed Rank		Medium	Low	Low	Medium	Low	Low	
Protection Rank		High	Medium	Medium	High	Medium	Low	
Restoration Rank		Low	Low	Low	Medium	Low	Low	
Potential Impact		Medium	Low	Medium	High	Low	Medium	
Observed Impact		Low	Low	Low	Medium	Low	Low	

Kentucky River Basin Management Plan

		Region:					
		Red R.	Red R.	Red R.	Red R.	Red R.	Red R.
Kentucky River Basin 2000 Assessment Report Watershed Data Summary		Red River headwaters	Red River Gorge	Stillwater Creek	Middle & South Forks of Red River	Cane Creek of Red River	Red River mouth
	Units						
River Basin code	5 digits	05100	05100	05100	05100	05100	05100
+ Subbasin code	8 digits	204	204	204	204	204	204
+ Watershed code	11 digits	110	120	130	140	150	160
Headwaters watershed?		yes	no	yes	yes	yes	no
Watershed Area	sq. miles	59	148	32	58	14	96
PROTECTION FACTORS							
Wetland Areas	acres	2	9	0	2	1	61
Surface Drinking Water Sources	number	0	2	0	3	0	4
Ground Drinking Water Sources	number	0	1	0	0	0	0
Groundwater Sensitivity Score	index	3.00	3.27	3.00	3.08	3.20	2.38
KY Fish and Wildlife Area	acres	0	0	0	0	0	0
US Forest Service Area	acres	0	5,909	0	3,412	186	446
KY State Park Area	acres	0	0	0	179	0	0
Nature Preserves Comm. Area	acres	0	0	0	133	0	19
Nature Conservancy Area	acres	0	0	0	0	0	0
Reference Reach Watersheds	index	0.00	0.00	0.00	0.00	0.00	0.00
Outstanding Resource	index	0.00	0.00	0.00	0.00	0.00	0.00
Recognized Stream Resources	index	5	8	0	4	0	5
KY Rivers Assessment Scores	index	2.19	6.17	0.37	0.78	0.13	7.00
OBSERVED IMPACTS							
Mean Level of Support, Drinking Water Supply, 2000 305(b)	1 = full support, 2 = partial, 3 = non-support; weighted by stream miles.	1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Fish Consumption, 2000 305(b)		1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Swimming, 2000 305(b)		1.00	1.00	1.00	1.00	3.00	1.00
Mean Level of Support, Aquatic Life, 2000 305(b)		1.00	1.06	1.00	1.00	1.00	1.00
Flood Declarations Since 1970	number	1	1	2	2	1	2
Water Supply Inadequacy	index	0.00	1.00	0.00	0.00	0.00	1.00
Contamination Sites	number	0	2	0	1	0	4
POTENTIAL IMPACTS							
Potential Contamination Sites	number	7	18	3	9	2	17
Potential Pesticide Sales	tons	2	3	1	2	3	5
Potential Fertilizer Application	tons	144	313	78	100	21	242
Agriculture Erosion Potential	tons/acre	1.68	2.30	1.69	0.71	0.69	1.00
Livestock Operations	animal	1,108	4,149	594	1,665	446	5,284
KPDES Discharge Violations	number	16	98	0	37	0	26
Citizen Complaints to DOW	number	3	15	2	9	3	14
Toxic Release Inventory Score	index	0	0	0	0	0	0
Population Change Projection	number	150	296	86	146	27	442
Unsewered Population	number	583	1,579	320	686	157	1,496
Mining Area	acres	25	2	2	0	0	0
Surface Water Runoff Potential	index	62	66	61	61	62	71
KPDES Permitted Discharges	number	3	15	0	6	0	11
Overall Watershed Rank		Low	Medium	Low	Low	High	Medium
Protection Rank		Medium	High	Low	High	Medium	High
Restoration Rank		Low	Medium	Low	Low	High	Medium
Potential Impact		Low	Medium	Low	Low	Low	Medium
Observed Impact		Low	Medium	Low	Low	High	Medium

Appendix A: Table of Assessment Report Metrics

		Region:						
		Red R.	Red R.	Dix R.	Dix R.	Dix R.	Dix R.	
Kentucky River Basin 2000 Assessment Report Watershed Data Summary		Units	Hardwick Creek	Lulbegrad Creek	Dix River headwaters	Logan Creek	Dix River- Herrington Lake	Hanging Fork Creek
River Basin code	5 digits	05100	05100	05100	05100	05100	05100	
+ Subbasin code	8 digits	204	204	205	205	205	205	
+ Watershed code	11 digits	170	180	150	160	170	180	
Headwaters watershed?		yes	yes	yes	yes	no	yes	
Watershed Area	sq. miles	27	53	175	25	92	96	
PROTECTION FACTORS								
Wetland Areas	acres	1	12	58	3	50	1	
Surface Drinking Water Sources	number	0	0	0	2	5	0	
Ground Drinking Water Sources	number	0	0	0	0	0	0	
Groundwater Sensitivity Score	index	2.52	2.78	2.73	3.00	4.40	2.87	
KY Fish and Wildlife Area	acres	0	0	0	0	0	0	
US Forest Service Area	acres	743	0	0	0	0	0	
KY State Park Area	acres	0	0	1	0	0	0	
Nature Preserves Comm. Area	acres	0	10	0	0	0	0	
Nature Conservancy Area	acres	0	0	0	0	653	0	
Reference Reach Watersheds	index	0.00	0.00	0.00	0.00	0.00	0.00	
Outstanding Resource	index	0.00	0.00	0.00	0.00	0.00	0.00	
Recognized Stream Resources	index	0	0	2	0	0	0	
KY Rivers Assessment Scores	index	0.00	0.38	1.25	0.00	1.80	1.36	
OBSERVED IMPACTS								
Mean Level of Support, Drinking Water Supply, 2000 305(b)	1 = full support,	1.00	1.00	1.00	1.00	1.00	1.00	
Mean Level of Support, Fish Consumption, 2000 305(b)	2 = partial,	1.00	1.00	1.00	1.00	1.00	1.00	
Mean Level of Support, Swimming, 2000 305(b)	3 = non-support; weighted	3.00	1.00	1.00	1.00	1.00	3.00	
Mean Level of Support, Aquatic Life, 2000 305(b)	by stream miles.	1.00	1.00	1.11	1.00	1.00	1.00	
Flood Declarations Since 1970	number	2	3	2	4	1	3	
Water Supply Inadequacy	index	0.00	0.00	0.00	0.00	0.00	0.00	
Contamination Sites	number	1	3	2	0	2	2	
POTENTIAL IMPACTS								
Potential Contamination Sites	number	4	11	21	3	13	16	
Potential Pesticide Sales	tons	3	13	16	19	14	19	
Potential Fertilizer Application	tons	50	684	1,777	311	950	1,236	
Agriculture Erosion Potential	tons/acre	0.57	2.03	2.66	2.96	2.75	2.96	
Livestock Operations	animal	923	11,305	36,717	6,246	23,919	24,871	
KPDES Discharge Violations	number	0	0	35	0	30	7	
Citizen Complaints to DOW	number	5	4	15	3	8	11	
Toxic Release Inventory Score	index	41	0	797	0	0	0	
Population Change Projection	number	161	184	858	209	546	442	
Unsewered Population	number	565	971	2,464	381	1,962	1,825	
Mining Area	acres	0	3	0	0	0	0	
Surface Water Runoff Potential	index	63	78	76	79	74	75	
KPDES Permitted Discharges	number	0	12	3	2	17	4	
Overall Watershed Rank		High	Low	Low	Low	Low	High	
Protection Rank		Low	Low	Medium	Low	High	Low	
Restoration Rank		High	Low	Low	Low	Low	High	
Potential Impact		Low	High	High	Medium	High	High	
Observed Impact		High	Low	Low	Low	Low	High	

Kentucky River Basin Management Plan

		Region:					
		Dix R.	Dix R.	Palisades	Palisades	Palisades	Palisades
Kentucky River Basin 2000 Assessment Report Watershed Data Summary		Clarks Run	Spears Creek & Mocks Branch	Kentucky River above Boonesborough	Upper Howard Creek	Muddy Creek	Fourmile Creek
	Units						
River Basin code	5 digits	05100	05100	05100	05100	05100	05100
+ Subbasin code	8 digits	205	205	205	205	205	205
+ Watershed code	11 digits	190	200	005	010	020	030
Headwaters watershed?		yes	yes	no	yes	yes	yes
Watershed Area	sq. miles	28	26	35	38	68	27
PROTECTION FACTORS							
Wetland Areas	acres	4	3	4	5	9	2
Surface Drinking Water Sources	number	1	1	3	0	2	0
Ground Drinking Water Sources	number	0	0	0	0	0	0
Groundwater Sensitivity Score	index	3.78	4.75	3.18	3.00	3.08	3.43
KY Fish and Wildlife Area	acres	0	0	0	0	63	0
US Forest Service Area	acres	0	0	0	0	0	0
KY State Park Area	acres	0	0	6	0	0	0
Nature Preserves Comm. Area	acres	0	0	0	0	0	0
Nature Conservancy Area	acres	0	0	0	0	0	0
Reference Reach Watersheds	index	0.00	0.00	0.00	0.00	0.00	0.00
Outstanding Resource	index	0.00	0.00	0.00	0.00	0.00	0.00
Recognized Stream Resources	index	0	0	2	0	0	0
KY Rivers Assessment Scores	index	0.00	0.00	7.87	0.02	0.68	0.82
OBSERVED IMPACTS							
Mean Level of Support, Drinking Water Supply, 2000 305(b)	1 = full support, 2 = partial, 3 = non-support; weighted by stream miles.	1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Fish Consumption, 2000 305(b)		1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Swimming, 2000 305(b)		1.00	1.00	3.00	1.00	3.00	1.00
Mean Level of Support, Aquatic Life, 2000 305(b)		1.64	1.00	1.00	1.00	1.00	1.00
Flood Declarations Since 1970	number	1	1	3	4	3	4
Water Supply Inadequacy	index	0.00	0.00	1.00	0.00	0.00	0.00
Contamination Sites	number	1	1	3	3	5	2
POTENTIAL IMPACTS							
Potential Contamination Sites	number	8	7	6	6	17	4
Potential Pesticide Sales	tons	17	16	29	27	31	27
Potential Fertilizer Application	tons	399	365	284	291	598	211
Agriculture Erosion Potential	tons/acre	3.41	3.40	3.70	3.53	4.07	3.53
Livestock Operations	animal	8,035	7,152	9,053	10,147	15,218	7,320
KPDES Discharge Violations	number	18	0	47	5	92	0
Citizen Complaints to DOW	number	3	3	2	0	10	0
Toxic Release Inventory Score	index	1	0	0	0	0	0
Population Change Projection	number	798	103	135	-72	157	279
Unsewered Population	number	524	428	566	440	1,279	453
Mining Area	acres	0	0	0	0	0	0
Surface Water Runoff Potential	index	74	70	77	78	79	75
KPDES Permitted Discharges	number	10	3	11	3	10	0
Overall Watershed Rank		Low	Low	High	Low	High	Low
Protection Rank		Medium	Medium	High	Low	Medium	Low
Restoration Rank		Low	Low	High	Low	High	Low
Potential Impact		Medium	Medium	High	High	High	Medium
Observed Impact		Low	Low	High	Low	High	Low

Appendix A: Table of Assessment Report Metrics

Region:		Palisades	Palisades	Palisades	Palisades	Palisades	Palisades	
Kentucky River Basin 2000 Assessment Report Watershed Data Summary		Units	Otter Creek	Lower Howard Creek	Kentucky River near Valley View	Boone Creek	Tate Creek	Silver Creek
River Basin code	5 digits	05100	05100	05100	05100	05100	05100	
+ Subbasin code	8 digits	205	205	205	205	205	205	
+ Watershed code	11 digits	040	050	060	070	080	090	
Headwaters watershed?		yes	yes	no	yes	yes	yes	
Watershed Area	sq. miles	65	19	82	44	37	126	
PROTECTION FACTORS								
Wetland Areas	acres	1	0	38	11	21	57	
Surface Drinking Water Sources	number	0	0	9	0	1	3	
Ground Drinking Water Sources	number	0	0	1	0	0	0	
Groundwater Sensitivity Score	index	3.32	4.80	3.98	4.64	3.35	3.35	
KY Fish and Wildlife Area	acres	0	0	0	0	0	82	
US Forest Service Area	acres	0	0	0	0	0	0	
KY State Park Area	acres	0	0	0	4	1	0	
Nature Preserves Comm. Area	acres	0	0	0	0	0	0	
Nature Conservancy Area	acres	0	0	223	0	0	0	
Reference Reach Watersheds	index	0.00	0.00	0.00	0.00	0.00	0.00	
Outstanding Resource	index	0.00	0.00	0.00	0.00	0.00	0.00	
Recognized Stream Resources	index	0	0	3	0	0	0	
KY Rivers Assessment Scores	index	0.44	1.28	9.22	2.30	0.76	2.52	
OBSERVED IMPACTS								
Mean Level of Support, Drinking Water Supply, 2000 305(b)	1 = full support,	1.00	1.00	1.00	1.00	1.00	1.00	
Mean Level of Support, Fish Consumption, 2000 305(b)	2 = partial,	1.00	1.00	1.00	1.00	1.00	1.00	
Mean Level of Support, Swimming, 2000 305(b)	3 = non-support; weighted	1.00	1.00	1.00	3.00	1.00	2.00	
Mean Level of Support, Aquatic Life, 2000 305(b)	by stream miles.	1.49	3.00	1.00	1.57	1.68	1.64	
Flood Declarations Since 1970	number	3	4	2	2	3	3	
Water Supply Inadequacy	index	0.00	0.00	2.00	0.00	0.00	1.00	
Contamination Sites	number	5	1	14	17	2	9	
POTENTIAL IMPACTS								
Potential Contamination Sites	number	17	3	28	28	9	32	
Potential Pesticide Sales	tons	31	27	28	45	31	31	
Potential Fertilizer Application	tons	575	148	788	338	322	1,108	
Agriculture Erosion Potential	tons/acre	4.07	3.53	2.60	1.59	4.07	4.07	
Livestock Operations	animal	14,637	5,179	17,752	7,905	8,187	28,181	
KPDES Discharge Violations	number	16	0	84	73	38	116	
Citizen Complaints to DOW	number	9	0	15	8	5	18	
Toxic Release Inventory Score	index	0	231	7	0	0	105	
Population Change Projection	number	1,803	343	714	338	862	1,904	
Unsewered Population	number	1,344	20	1,428	622	982	2,858	
Mining Area	acres	0	0	0	0	0	0	
Surface Water Runoff Potential	index	75	73	74	71	75	74	
KPDES Permitted Discharges	number	7	0	16	4	5	17	
Overall Watershed Rank		Low	High	High	High	Medium	Medium	
Protection Rank		Low	Medium	High	Medium	Medium	Medium	
Restoration Rank		Medium	High	High	High	Medium	Medium	
Potential Impact		High	Medium	High	Medium	High	High	
Observed Impact		Medium	High	High	High	Medium	Medium	

Kentucky River Basin Management Plan

		Region:					
		Palisades	Palisades	Palisades	Palisades	Palisades	Palisades
Kentucky River Basin 2000 Assessment Report Watershed Data Summary		Paint Lick Creek	Sugar Creek	Hickman Creek	Jessamine Creek	Kentucky River Palisades	Shaker Creek
	Units						
River Basin code	5 digits	05100	05100	05100	05100	05100	05100
+ Subbasin code	8 digits	205	205	205	205	205	205
+ Watershed code	11 digits	100	110	120	130	140	210
Headwaters watershed?		yes	yes	yes	yes	no	yes
Watershed Area	sq. miles	109	42	101	40	164	26
PROTECTION FACTORS							
Wetland Areas	acres	100	22	39	15	78	3
Surface Drinking Water Sources	number	0	0	8	2	12	0
Ground Drinking Water Sources	number	0	0	1	0	2	0
Groundwater Sensitivity Score	index	3.36	3.28	4.78	5.00	4.69	4.83
KY Fish and Wildlife Area	acres	0	0	0	0	0	0
US Forest Service Area	acres	0	0	0	0	0	0
KY State Park Area	acres	0	0	0	0	0	0
Nature Preserves Comm. Area	acres	0	0	0	0	0	0
Nature Conservancy Area	acres	0	0	0	714	22,983	0
Reference Reach Watersheds	index	0.00	0.00	0.00	0.00	0.00	0.00
Outstanding Resource	index	0.00	0.00	0.00	0.00	0.00	0.00
Recognized Stream Resources	index	0	0	1	1	2	0
KY Rivers Assessment Scores	index	1.65	0.03	1.54	4.21	9.56	0.02
OBSERVED IMPACTS							
Mean Level of Support, Drinking Water Supply, 2000 305(b)	1 = full support, 2 = partial, 3 = non-support; weighted by stream miles.	1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Fish Consumption, 2000 305(b)		1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Swimming, 2000 305(b)		2.00	1.00	1.44	1.00	1.00	1.00
Mean Level of Support, Aquatic Life, 2000 305(b)		1.00	1.00	2.00	1.00	1.00	1.00
Flood Declarations Since 1970	number	1	0	3	4	3	4
Water Supply Inadequacy	index	0.00	0.00	1.00	1.00	1.00	0.00
Contamination Sites	number	4	0	28	3	14	1
POTENTIAL IMPACTS							
Potential Contamination Sites	number	15	3	49	8	29	4
Potential Pesticide Sales	tons	19	13	27	7	11	12
Potential Fertilizer Application	tons	851	304	1,132	573	1,960	353
Agriculture Erosion Potential	tons/acre	2.90	2.29	1.54	2.06	2.71	3.28
Livestock Operations	animal	27,701	11,218	18,216	8,833	31,746	5,873
KPDES Discharge Violations	number	22	0	91	0	68	0
Citizen Complaints to DOW	number	9	2	28	12	40	3
Toxic Release Inventory Score	index	0	1,867	1	0	226	412
Population Change Projection	number	529	233	11,030	2,260	1,790	83
Unsewered Population	number	1,548	555	2,277	865	3,312	676
Mining Area	acres	0	0	0	0	0	0
Surface Water Runoff Potential	index	76	75	73	71	74	68
KPDES Permitted Discharges	number	6	0	8	7	23	1
Overall Watershed Rank		Medium	Low	High	Medium	High	Low
Protection Rank		Medium	Medium	High	High	High	Medium
Restoration Rank		Medium	Low	High	Medium	Medium	Low
Potential Impact		High	Medium	High	Medium	High	Medium
Observed Impact		Medium	Low	High	Medium	Medium	Low

Appendix A: Table of Assessment Report Metrics

		Region:					
		Palisades	Palisades	Palisades	Palisades	Elkhorn	Elkhorn
Kentucky River Basin 2000 Assessment Report Watershed Data Summary		Clear Creek	Griters Creek	Glenms Creek	Kentucky River below Frankfort	South Elkhorn Creek	North Elkhorn Creek
	Units						
River Basin code	5 digits	05100	05100	05100	05100	05100	05100
+ Subbasin code	8 digits	205	205	205	205	205	205
+ Watershed code	11 digits	220	230	240	250	270	280
Headwaters watershed?		yes	yes	yes	no	yes	yes
Watershed Area	sq. miles	73	16	34	116	179	276
PROTECTION FACTORS							
Wetland Areas	acres	24	3	18	106	86	26
Surface Drinking Water Sources	number	1	1	2	4	4	7
Ground Drinking Water Sources	number	0	0	2	1	2	4
Groundwater Sensitivity Score	index	5.00	5.00	4.78	3.07	4.82	4.16
KY Fish and Wildlife Area	acres	0	0	0	48	0	0
US Forest Service Area	acres	0	0	0	0	0	0
KY State Park Area	acres	0	0	0	0	1	87
Nature Preserves Comm. Area	acres	0	0	0	0	0	0
Nature Conservancy Area	acres	0	0	0	0	0	0
Reference Reach Watersheds	index	100.00	0.00	0.00	0.00	0.00	0.00
Outstanding Resource	index	0.00	0.00	0.00	0.00	0.00	0.00
Recognized Stream Resources	index	0	0	0	0	1	0
KY Rivers Assessment Scores	index	1.26	0.00	0.00	10.38	1.88	2.76
OBSERVED IMPACTS							
Mean Level of Support, Drinking Water Supply, 2000 305(b)	1 = full support,	1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Fish Consumption, 2000 305(b)	2 = partial,	1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Swimming, 2000 305(b)	3 = non-support; weighted	1.00	1.00	1.00	1.38	1.93	1.62
Mean Level of Support, Aquatic Life, 2000 305(b)	by stream miles.	1.00	2.00	1.00	1.00	1.50	1.32
Flood Declarations Since 1970	number	3	3	3	2	2	1
Water Supply Inadequacy	index	0.00	0.00	1.00	0.00	0.00	1.00
Contamination Sites	number	6	1	3	10	48	71
POTENTIAL IMPACTS							
Potential Contamination Sites	number	13	2	6	16	82	121
Potential Pesticide Sales	tons	12	15	15	14	30	33
Potential Fertilizer Application	tons	1,154	279	573	1,148	2,113	2,747
Agriculture Erosion Potential	tons/acre	1.99	1.94	1.95	3.48	1.76	2.40
Livestock Operations	animal	15,512	3,394	6,787	16,730	30,146	43,826
KPDES Discharge Violations	number	0	0	0	69	260	541
Citizen Complaints to DOW	number	17	3	7	26	42	53
Toxic Release Inventory Score	index	132	0	0	11,548	3	0
Population Change Projection	number	338	250	427	756	3,762	2,290
Unsewered Population	number	1,398	279	604	1,561	3,587	3,978
Mining Area	acres	0	0	0	0	0	0
Surface Water Runoff Potential	index	72	73	71	71	69	72
KPDES Permitted Discharges	number	1	4	7	18	38	56
Overall Watershed Rank		Medium	Medium	Medium	Low	High	High
Protection Rank		High	Medium	High	High	High	High
Restoration Rank		Low	Medium	Medium	Low	High	High
Potential Impact		High	Medium	Medium	High	High	High
Observed Impact		Low	Medium	Medium	Low	High	High

Kentucky River Basin Management Plan

		Region:						
		Elkhorn Creek	Low Ky.	Low Ky.	Low Ky.	Low Ky.	Low Ky.	
Kentucky River Basin 2000 Assessment Report Watershed Data Summary		Units	Elkhorn Creek	Benson Creek	Flat Creek	Cedar Creek	Severn Creek	Sixmile Creek
River Basin code	5 digits	05100	05100	05100	05100	05100	05100	05100
+ Subbasin code	8 digits	205	205	205	205	205	205	205
+ Watershed code	11 digits	290	260	300	310	320	330	
Headwaters watershed?		no	yes	yes	yes	yes	yes	
Watershed Area	sq. miles	38	107	23	64	35	81	
PROTECTION FACTORS								
Wetland Areas	acres	53	0	2	1	0	0	
Surface Drinking Water Sources	number	2	1	0	0	3	0	
Ground Drinking Water Sources	number	0	0	0	0	0	0	
Groundwater Sensitivity Score	index	3.43	2.83	2.64	2.42	2.78	2.49	
KY Fish and Wildlife Area	acres	14	0	0	0	0	0	
US Forest Service Area	acres	0	0	0	0	0	0	
KY State Park Area	acres	0	0	0	0	0	0	
Nature Preserves Comm. Area	acres	0	0	0	0	0	0	
Nature Conservancy Area	acres	0	0	0	0	0	0	
Reference Reach Watersheds	index	0.00	0.00	0.00	0.00	0.00	0.00	
Outstanding Resource	index	0.00	0.00	0.00	0.00	0.00	0.00	
Recognized Stream Resources	index	3	0	0	0	0	0	
KY Rivers Assessment Scores	index	9.68	0.34	0.00	0.67	0.80	1.99	
OBSERVED IMPACTS								
Mean Level of Support, Drinking Water Supply, 2000 305(b)	1 = full support, 2 = partial, 3 = non-support; weighted by stream miles.	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Fish Consumption, 2000 305(b)		1.00	1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Swimming, 2000 305(b)		3.00	1.00	1.00	1.00	1.00	1.00	1.00
Mean Level of Support, Aquatic Life, 2000 305(b)		1.00	2.10	2.00	2.00	1.00	1.43	
Flood Declarations Since 1970	number	5	3	4	2	2	1	
Water Supply Inadequacy	index	0.00	0.00	0.00	0.00	1.00	0.00	
Contamination Sites	number	6	12	4	2	0	4	
POTENTIAL IMPACTS								
Potential Contamination Sites	number	11	23	6	5	1	8	
Potential Pesticide Sales	tons	7	25	8	11	10	43	
Potential Fertilizer Application	tons	298	1,220	181	390	179	1,398	
Agriculture Erosion Potential	tons/acre	2.45	3.40	2.47	4.86	5.26	3.70	
Livestock Operations	animal	4,610	15,415	2,757	7,180	3,555	15,489	
KPDES Discharge Violations	number	27	380	0	0	0	16	
Citizen Complaints to DOW	number	19	37	11	7	2	8	
Toxic Release Inventory Score	index	1,827	22	5,156	0	0	0	
Population Change Projection	number	313	344	12	50	109	77	
Unsewered Population	number	662	1,926	423	603	411	1,016	
Mining Area	acres	0	0	0	0	0	0	
Surface Water Runoff Potential	index	72	75	74	74	75	75	
KPDES Permitted Discharges	number	11	24	0	0	2	3	
Overall Watershed Rank		High	Medium	Medium	Medium	Low	Low	
Protection Rank		High	Low	Low	Low	Low	Low	
Restoration Rank		High	Medium	High	Medium	Medium	Low	
Potential Impact		Medium	High	Medium	Medium	Medium	High	
Observed Impact		High	Medium	High	Medium	Medium	Low	

Appendix A: Table of Assessment Report Metrics

Region:		Low Ky.	Low Ky.	Low. Ky.	Low. Ky.	Eagle	Eagle	
Kentucky River Basin 2000 Assessment Report Watershed Data Summary		Units	Drennon Creek	Mill Creek & Big Twin Creek	Kentucky River mouth	Mill Creek	Lytles Fork & Eagle Creek headwaters	Eagle Creek above Tenmile Creek
River Basin code	5 digits	05100	05100	05100	05100	05100	05100	
+ Subbasin code	8 digits	205	205	205	205	205	205	
+ Watershed code	11 digits	340	350	420	430	360	370	
Headwaters watershed?		yes	yes	no	yes	yes	no	
Watershed Area	sq. miles	97	53	36	30	119	187	
PROTECTION FACTORS								
Wetland Areas	acres	2	4	7	0	1	26	
Surface Drinking Water Sources	number	0	0	1	0	0	1	
Ground Drinking Water Sources	number	0	0	2	0	0	0	
Groundwater Sensitivity Score	index	2.71	2.38	2.94	3.14	2.46	2.16	
KY Fish and Wildlife Area	acres	0	0	0	0	0	0	
US Forest Service Area	acres	0	0	0	0	0	0	
KY State Park Area	acres	0	0	61	0	0	0	
Nature Preserves Comm. Area	acres	0	0	0	0	0	0	
Nature Conservancy Area	acres	0	0	0	0	0	0	
Reference Reach Watersheds	index	0.00	0.00	0.00	0.00	0.00	0.00	
Outstanding Resource	index	0.00	0.00	0.00	0.00	0.00	0.00	
Recognized Stream Resources	index	0	0	0	0	0	2	
KY Rivers Assessment Scores	index	0.93	0.01	7.43	0.04	0.80	2.42	
OBSERVED IMPACTS								
Mean Level of Support, Drinking Water Supply, 2000 305(b)	1 = full support,	1.00	1.00	1.00	1.00	1.00	1.00	
Mean Level of Support, Fish Consumption, 2000 305(b)	2 = partial,	1.00	1.00	1.00	1.00	1.00	1.00	
Mean Level of Support, Swimming, 2000 305(b)	3 = non-support; weighted	1.00	1.00	1.00	1.00	1.00	1.00	
Mean Level of Support, Aquatic Life, 2000 305(b)	by stream miles.	1.24	1.50	1.00	1.10	1.72	1.50	
Flood Declarations Since 1970	number	2	2	3	2	1	1	
Water Supply Inadequacy	index	0.00	0.00	0.00	0.00	0.00	0.00	
Contamination Sites	number	6	0	3	2	7	6	
POTENTIAL IMPACTS								
Potential Contamination Sites	number	8	2	2	2	15	18	
Potential Pesticide Sales	tons	23	10	6	15	20	9	
Potential Fertilizer Application	tons	1,513	274	320	370	1,381	947	
Agriculture Erosion Potential	tons/acre	2.96	5.26	4.31	3.73	3.78	5.16	
Livestock Operations	animal	17,709	5,434	3,830	4,286	20,943	21,281	
KPDES Discharge Violations	number	2	0	43	0	66	0	
Citizen Complaints to DOW	number	9	4	7	4	14	16	
Toxic Release Inventory Score	index	0	0	0	0	0	0	
Population Change Projection	number	316	136	79	56	584	854	
Unsewered Population	number	1,140	635	470	357	1,257	2,344	
Mining Area	acres	0	0	0	0	0	0	
Surface Water Runoff Potential	index	75	74	74	78	75	75	
KPDES Permitted Discharges	number	5	0	9	0	13	6	
Overall Watershed Rank		Low	Low	Low	Low	Low	Low	
Protection Rank		Low	Low	High	Low	Low	Low	
Restoration Rank		Low	Low	Low	Low	Low	Low	
Potential Impact		High	Medium	Medium	Medium	High	High	
Observed Impact		Low	Low	Low	Low	Low	Low	

Kentucky River Basin Management Plan

		Region:			
		Eagle	Eagle	Eagle	Eagle
Kentucky River Basin 2000 Assessment Report Watershed Data Summary		Clarks Creek	Tennile Creek	Brush Creek	Eagle Creek mouth
Units					
River Basin code	5 digits	05100	05100	05100	05100
+ Subbasin code	8 digits	205	205	205	205
+ Watershed code	11 digits	380	390	400	410
Headwaters watershed?		yes	yes	yes	no
Watershed Area	sq. miles	32	68	25	88
PROTECTION FACTORS					
Wetland Areas	acres	4	4	1	12
Surface Drinking Water Sources	number	0	2	0	0
Ground Drinking Water Sources	number	0	2	0	0
Groundwater Sensitivity Score	index	2.18	2.32	2.44	2.51
KY Fish and Wildlife Area	acres	0	0	0	0
US Forest Service Area	acres	0	0	0	0
KY State Park Area	acres	0	0	0	0
Nature Preserves Comm. Area	acres	0	0	0	0
Nature Conservancy Area	acres	0	0	0	0
Reference Reach Watersheds	index	0.00	0.00	0.00	0.00
Outstanding Resource	index	0.00	0.00	0.00	0.00
Recognized Stream Resources	index	0	0	0	2
KY Rivers Assessment Scores	index	0.02	0.02	1.44	4.38
OBSERVED IMPACTS					
Mean Level of Support, Drinking Water Supply, 2000 305(b)	1 = full support,	1.00	1.00	1.00	1.00
Mean Level of Support, Fish Consumption, 2000 305(b)	2 = partial,	1.00	1.00	1.00	1.00
Mean Level of Support, Swimming, 2000 305(b)	3 = non-support; weighted	1.00	1.00	1.00	3.00
Mean Level of Support, Aquatic Life, 2000 305(b)	by stream miles.	1.07	1.71	1.00	1.49
Flood Declarations Since 1970	number	1	0	1	1
Water Supply Inadequacy	index	0.00	0.00	0.00	0.00
Contamination Sites	number	1	3	0	3
POTENTIAL IMPACTS					
Potential Contamination Sites	number	5	11	1	4
Potential Pesticide Sales	tons	8	7	10	10
Potential Fertilizer Application	tons	152	322	127	547
Agriculture Erosion Potential	tons/acre	5.06	5.06	5.24	5.35
Livestock Operations	animal	4,049	8,557	2,546	9,038
KPDES Discharge Violations	number	0	26	0	48
Citizen Complaints to DOW	number	3	7	2	10
Toxic Release Inventory Score	index	0	0	0	0
Population Change Projection	number	381	895	66	120
Unsewered Population	number	514	1,471	295	1,175
Mining Area	acres	0	0	0	0
Surface Water Runoff Potential	index	76	76	75	74
KPDES Permitted Discharges	number	4	5	0	4
Overall Watershed Rank		Low	Low	Low	High
Protection Rank		Low	Low	Low	Medium
Restoration Rank		Low	Low	Low	High
Potential Impact		Medium	High	Medium	High
Observed Impact		Low	Low	Low	High