

Appendix A

Regulatory Requirements

All Silvicultural Operations, 401 KAR 5:026, 5:029, 5:030, and 5:031

All operations must meet Kentucky water quality standards.

Activities Near High-quality Waters and Outstanding National Resources Waters, 401 KAR 5:029, 5:030, and 5:031. Kentucky water quality standards (401 KAR 5:029) require the use of BMPs to protect high-quality waters and outstanding national resources waters listed in 401 KAR 5:030. In addition, outstanding resource waters that support federally listed threatened and endangered species require protection (see 401 KAR 5:031).

Activities Near Wild Rivers, KRS 146.200 et seq. and 401 KAR 4:100-140. The Kentucky Wild Rivers Act and associated regulations give special protection to streams designated as “wild rivers,” including regulation of silvicultural activity. Before undertaking any silvicultural activity in a corridor of a designated wild river, the landowner or logger should contact the Wild Rivers Program of the Kentucky Division of Water for applicable regulations and instructions.

Debris in Floodplains, KRS 151.250. The Kentucky Division of Water has authority over the placement of debris (including logging slash) in floodplains of perennial streams that have a drainage area larger than one-square mile. The Division of Water advises that as long as the BMPs for Streamside Management Zones and logging debris are followed, landowners and loggers will be considered in compliance with floodplain regulations that address debris. If these BMPs are not followed, the Kentucky Division of Water can institute enforcement proceedings.

Construction in Floodplains, KRS 151.250. All structures (bridges, berms, or other construction that could obstruct flood flows) that are to be constructed in the floodplain of a perennial stream that drains more than one-square mile require a floodplain permit from the Kentucky Division of Water.

Filling or Draining of Wetlands, U.S. Clean Water Act, Section 404. The U.S. Army Corps of Engineers regulates all filling or draining of wetlands, streams, lakes, or other bodies of water. Normal ongoing silvicultural activities, including building and maintaining forest roads, do not require individual permits, providing certain conditions are met, including adherence to the federal baseline BMPs for forest roads. For detailed information on the silvicultural exemption, contact the Kentucky Division of Forestry.

Activities around Sinkholes and Cave Entrances, KRS 433.870-433.875. The Kentucky Cave Protection Act offers protection to any sinkhole, pit, karst window, and/or sinking stream that has an opening large enough for a person to enter a black zone. The Federal Cave Protection Act is used to manage nonrenewable cave resources on federal lands. Management techniques include buffer zones around sinkhole and cave entrances to provide food sources for cave life, regulate thermal variations, and prevent sedimentation. Extremely sensitive karst systems can include the entire recharge area as a buffer zone.

Endangered Species in Caves, Federal Register 55:6184-6229 and 56:58804-58836. The Kentucky State Nature Preserves Commission maintains the list of Kentucky plants and animals that are considered endangered, threatened, and of special concern. The U.S. Fish and Wildlife Service administers the federal Endangered Species Act of 1973, as amended in 1990, and the 1991 Candidate Review. Many species protected by these acts live in caves and can be threatened by pollutants entering sinkholes.

Modified Sinkholes. Any sinkhole that has been modified to receive additional storm water runoff can be clas-

sified as a Class V Underground Injection Control (UIC) Well, which must be registered and/or permitted by the U.S. Environmental Protection Agency Underground Injection Control Program.

Cave Streams and Other Underground Surface Waters. Kentucky surface water statutes and regulations have defined subterranean streams that flow underground and have discrete banks and channels, such as cave streams, as surface waters. Several karst groundwater basins in the Mammoth Cave National Park that extend well outside of the Park's boundary have been designated as Outstanding Resource Waters and receive the same special protection of species as the blind shrimp in Mammoth Cave.

Karst Groundwater Basin Protection. The federal and state Wellhead Protection Programs are developing karst groundwater basin protection plans for public water supplies that use karst springs or groundwater as their water source.

Application of Sludge. The application of some organic materials, such as sludge, can require a permit for compliance with federal and/or state regulations. For more information regarding permits required for the application of sludge, contact the Kentucky Division of Waste Management.

Application of Pesticides. Use only pesticides approved by the Environmental Protection Agency for use in Kentucky. Follow all pesticide label directions. Application of some chemicals can require applicator certification and/or licensing.

Appendix B

Kentucky Bodies of Water Designated as Coldwater Aquatic Habitats

The additional protection given to SMZs bordering Coldwater Aquatic Habitats, as described in the BMP guidelines for SMZs, extends only to the main stem of listed streams.

Body of Water	Zone	County
Big Sandy River Basin		
Paintsville Lake	Entire Reservoir	Johnson
Little Sandy River Basin		
Big Caney Creek	Source to Grayson Lake	Elliott
Big Sinking Creek	River Mile 6.0 to Little Sandy River	Carter
Laurel Creek	Source to Little Sandy River	Elliott
Greenbo Lake	Entire Reservoir	Greenup
Licking River Basin		
Craney Creek	Source to North Fork Licking River	Rowan/Morgan
Licking River	River Mile 176.8 (Cave Run Lake Dam) to River Mile 169.6 (U.S. Highway 60 bridge.)	Bath/Rowan
Kentucky River Basin		
Chimney Top Creek	Basin	Wolfe
Dix River	Herrington Lake Dam to Kentucky River	Garrard/Mercer
East Fork Indian Creek	Source to Indian Creek	Menifee
Gladie Creek	Basin	Menifee
Middle Fork Red River	Source to River Mile 10.6	Powell
Parched Corn Creek	Source to Red River	Wolfe

Appendix B *continued*

Body of Water	Zone	County
Swift Camp Creek	Source to Red River	Wolfe
Bert Combs Lake	Entire Reservoir	Clay
Fishpond Lake	Entire Reservoir	Letcher
Mill Creek Lake	Entire Reservoir	Wolfe
Green River Basin		
Beaver Dam Creek	Source to Green River	Edmonson
Buffalo Creek	Source to Green River (in Mammoth Cave National Park)	Edmonson
Lick Creek	Source to West Fork of Drakes Creek	Simpson
Lynn Camp Creek	Source to Green River	Hart
Underground River System	Mammoth Cave National Park Barren	Edmonson/Hart
	Turnhole Spring Basin	Edmonson/Barren
	Echo River Basin	Edmonson
	Pike Spring Basin	Edmonson
	Mile 205.7 Spring Basin	Hart
	McCoy Spring Basin	Hart
	Suds Spring Basin	Hart/Barren
	Nolin River	River Mile 7.6 (Nolin Lake Dam) to Green River
Rough River	River Mile 89.3 (Rough River Dam) to River Mile 72.4	Ohio/Grayson
Roundstone Creek	Source to Kentucky Highway 1140 (River Mile 3.5)	Hart
Trammel Fork	Source to Kentucky Highway 31E (River Mile 23.6)	Warren

Appendix B *continued*

Body of Water	Zone	County
Lower Cumberland River Basin		
Casey Creek	Source to Little River	Trigg
Skinframe Creek	Source to Livingston Creek	Lyon
Sulphur Spring Creek	Source to Red River	Simpson
Ohio River Basin		
Doe Run Creek	Source to Kentucky Highway 1628 (River Mile 5.15)	Meade
Sinking Creek	Source to Kentucky Highway 259 (River Mile 4.0)	Breckinridge
Upper Cumberland River Basin		
Bad Branch	Basin	Letcher
Bark Camp Creek	Basin	Whitley
Beaver Creek	Basin	McCreary
Breeden's Creek	Basin	Harlan
Bunches Creek	Basin	Whitley
Cane Creek	Basin	Laurel
Cogur Fork	Basin	McCreary
Cumberland River	Lake Cumberland Dam (River Mile 460.9) to Kentucky Highway 90 bridge (River Mile 426.5)	Cumberland
Difficulty Creek	Basin	McCreary
Dogslaughter Creek	Basin	Whitley
Fugitt Creek	Basin	Harlan
Indian Creek	Source to Barren Fork	McCreary
Kelly Branch	Basin	Harlan
Laurel Creek	River Mile 9.0 to River Mile 3.4	McCreary

Appendix B *continued*

Body of Water	Zone	County
Looney Creek	Basin above River Mile 5.3	Harlan
Martin's Fork	Basin above River Mile 27.4	Harlan
Poor Fork Cumberland River	Basin above River Mile 742.7	Letcher
Razor Fork	Basin	Harlan
Rock Creek	Tennessee/Kentucky State Line (River Mile 21.9) to White Oak Creek	McCreary
Shillalah Creek	Source to Cumberland Gap National Historical Park Boundary	Bell
Sugar Run	Source to Cumberland Gap National Historical Park Boundary	Bell
Troublesome Creek	Basin	McCreary
White Oak Creek	Basin above River Mile 1.2 (includes Little White Oak Creek)	Laurel
Wood Creek	Wood Creek Lake Dam (River Mile 4.0) to Hazel Patch Creek	Laurel
Beulah (Tyner) Reservoir	Entire Reservoir	Jackson
Cannon Creek Lake	Entire Reservoir	Bell
Laurel River Lake	Entire Reservoir	Laurel
Wood Creek Lake	Entire Reservoir	Laurel

Appendix C

Locations of Kentucky Wild Rivers

Body of Water	Zone	County
Cumberland River Basin		
Bad Branch	Headwaters to KY 932	Letcher
Big South Fork Cumberland River	TN State Line to Blue Heron (Mile 55.2 to Mile 45.0)	McCreary
Cumberland River	Summer Shoals to Lake Cumberland (Mile 574.6 to Mile 558.5)	McCreary, Whitley
Little South Fork Cumberland River	KY 92 to Lake Cumberland (Mile 14.5 to Mile 4.1)	McCreary, Wayne
Martins Fork	Boundary of Cumberland Gap National Historic Park to KY 987 (Mile 31.3 to Mile 27.4)	Harlan
Rock Creek	TN State Line to White Oak Creek (Mile 21.9 to Mile 3.9)	McCreary
Rockcastle River	KY 1956 at Billows to Lake Cumberland	Rockcastle, Laurel, Pulaski
Green River Basin		
Green River	East boundary of Mammoth Cave National Park to Lock and Dam No. 6 at Brownsville (Mile 207.7 to Mile 181.7)	Edmonson, Hart
Kentucky River Basin		
Red River	KY 746 to Swift Camp Creek (Mile 68.6 to Mile 59.5)	Wolfe, Menifee

Appendix D

High-Quality Waters

Stream	Zone	County
Little Sandy River Basin		
Arabs Fork*	Source to confluence with Clay Fork	Carter
Big Caney Creek*	Source to Grayson Lake	Elliot
Big Stinking Creek*	Source to River Mile 10.7	Carter
Laurel Creek*	Source to River Mile 7.6	Elliot
Licking River Basin		
Bucket Branch*	Source to confluence with North Fork of the Licking River	Morgan
Devils Fork*	Source to confluence with North Fork of the Licking River	Morgan
North Fork of Licking River*	Source to River Mile 13.0	Morgan
Kentucky River Basin		
Clear Creek*	Source to River Mile 4.1	Woodford
Clemons Fork*	Source to Buckhorn Creek	Breathitt
Coles Fork*	Source to Buckhorn Creek	Breathitt
Right Fork of Buffalo Creek*	Source to Buffalo Creek	Owsley
South Fork of Station Camp Creek*	Source to River Mile 5.3	Jackson
Station Camp Creek*	River Mile 22.3 to 19.0	Estill
Sturgeon Creek*	Source to River Mile 4.0	Lee
Salt River Basin		
Salt Lick Creek*	Source to River Mile 5.3	Marion
Wilson Creek*	Source to River Mile 12.2	Bullitt

Appendix D *continued*

Stream	Zone	County
Green River Basin		
Beaverdam Creek*	Source to River Mile 7.6	Edmonson
Gasper River*	Source to River Mile 32.3	Logan
Goose Creek*	Source to River Mile 5.6	Casey
Green River	River Mile 207.8 to 181.7	Edmonson
Russell Creek*	Source to River Mile 60.5	Adair
Trammel Fork*	River Mile 30.15 (Kentucky/Tennessee State line) to River Mile 19.4	Allen
Lower Cumberland River Basin		
Whippoorwill Creek*	Source to Red River	Logan
Tennessee River Basin		
Blood River*	River Mile 15.65 (KY/TN state line) to 15.1	Calloway
Soldier Creek*	River Mile 5.3 to 2.6	Marshall
Tradewater River Basin		
Sandlick Creek*	Source to River Mile 3.5	Christian
Tradewater River*	Source to River Mile 126.0	Christian
Ohio River Basin		
Yellowbank Creek*	Source to River Mile 4.4	Breckinridge
Lakes and Reservoirs		
Metropolis	Entire Lake	McCracken
Swan	Entire Lake	Ballard
Mississippi River Basin (Main Stem and Minor Tributaries)		
Murphy's Pond	Entire Pond and Preserve Area	Hickman

Appendix D *continued*

Stream	Zone	County
Upper Cumberland River Basin		
Bad Branch*	Source to confluence with Poor Fork of Cumberland River	Letcher
Bark Camp Creek*	Source to River Mile 2.6	Whitley
Buck Creek*	River Mile 62.6 to 28.9	Pulaski
Cane Creek*	Source to River Mile 7.0	Laurel
Cumberland River	River Mile 574.6 to 558.5 (Headwaters of Lake Cumberland)	McCreary/Whitley
Eagle Creek*	Source to River Mile 3.0	McCreary
Horse Lick Creek*	Source to River Mile 12.3	Jackson
Little South Fork of Cumberland River	River Mile 35.6 to 4.1	Wayne
Marsh Creek*	Source to River Mile 12.6	McCreary
Martins Fork of Cumberland River	River Mile 31.3 to 27.4	Harlan
Rock Creek	TN/KY State Line (River Mile 21.9) to White Oak Creek	McCreary
Rockcastle River	River Mile 24.4 to 8.5	Laurel/Pulaski
South Fork of Dog Slaughter Creek*	Source to Dog Slaughter Creek	Whitley

* Bodies of water in the Kentucky Cabinet for Natural Resources and Environmental Protection reference reach network

Appendix E

Surface Waters Categorized as Outstanding National Resource Waters

Stream	Zone	County
Red River	River Mile 68.6 to 49.2	Menifee/Wolfe
Underground River System	Within Mammoth Cave National Park	Edmonson/ Hart/
	Boundary	Barren
Big South Fork of Cumberland River	River Mile 55.2 to 45.0	McCreary

Appendix F

Technical Assistance Providers: State Offices

The application of BMPs in the field requires a certain amount of planning before initiating the forest activity. Considerable information is currently available from state and federal agencies. The following agencies are available for technical assistance in Kentucky and have representatives that operate on a local county level. Industrial and consulting foresters are also available for information and assistance.

Kentucky Division of Forestry
627 Comanche Trail
Frankfort, KY 40601
(502) 564-4496

Natural Resources Conservation Service
771 Corporate Drive, Suite 110
Lexington, KY 40503
(606) 224-7350

Kentucky Department of Fish and Wildlife Resources
No. 1 Game Farm Road
Frankfort, KY 40601
(502) 564-3400

University of Kentucky
Cooperative Extension Service
College of Agriculture-Department of Forestry
T.P. Cooper Bldg.
Lexington, KY 40546-0073
(606) 257-7596

Kentucky Division of Water
14 Reilly Road
Frankfort, KY 40601
(502) 564-3410

Kentucky Division of Forestry
District Offices

Northeastern District
Kentucky Division of Forestry
749 West First Street
Morehead, KY 40351
(606) 784-7504

Central District

Kentucky Division of Forestry
P.O. Box 663
Elizabethtown, KY 42702
(502) 766-5010

Southeastern District

Kentucky Division of Forestry
P.O. Box 130
Pineville, KY 40977
(606) 337-3011

South Central District

Kentucky Division of Forestry
120 Gaines Drive
Campbellsville, KY 42718
(502) 465-5071

Kentucky River District

Kentucky Division of Forestry
P.O. Box 702
Hazard, KY 41702
(606) 435-6073

Green River District

Kentucky Division of Forestry
P.O. Box 465
Madisonville, KY 42431
(502) 824-7527

Eastern District

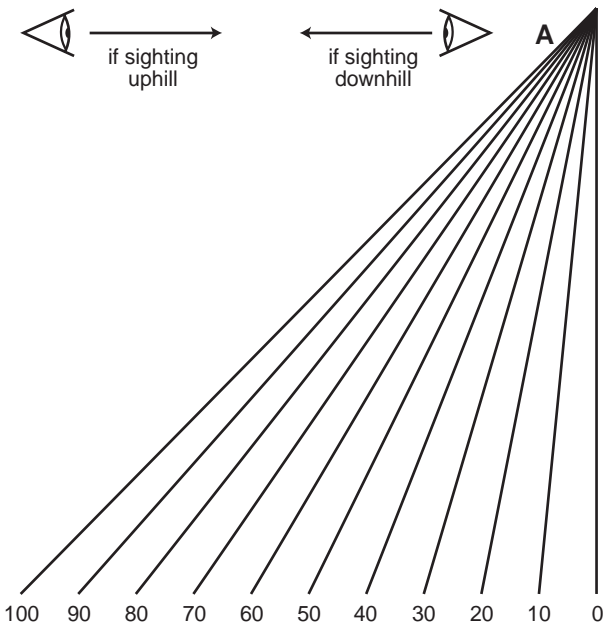
Kentucky Division of Forestry
P.O. Box 189
Betsy Layne, KY 41605
(606) 478-4495

Western District

Kentucky Division of Forestry
P.O. Box 349
Mayfield, KY 42066
(502) 247-3913

Bluegrass District

Kentucky Division of Forestry
P.O. Box 30
Stamping Ground, KY 40379
(502) 535-7741



Use to measure percent slope

Attach a weighted string to corner **A** and sight using the top edge of the handbook. Sight to a target that is the same height above the ground as your eye level. Read the percent slope where the string crosses the bottom markings.

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