

Forestry BMPs Networking



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UK Dept. of Forestry and Natural Resources

Director Kentucky Master Logger Program

Author Timber Harvesting BMP Manual

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Certification

Statewide KY AWQ Plan

(1994)

Silviculture Section - includes all forestry activities

- tree planting
- release and thinning
- regeneration
- forest stand improvement
- logging for the purposes of forestry

Statewide BMPs

- 1: Access Roads, Trails, and Landings**
- 2: Revegetation of Silvicultural Disturbed Areas**
- 3: Streamside Management Zones (SMZ)**
- 4: Sinkholes, Sinking Streams and Caves**
- 5: Fluids and Trash**
- 6: Proper Planting of Tree Seedlings by Machine**
- 7: Fertilization**
- 8: Application of Pesticides**
- 9: Site Preparation for Reforestation**
- 10: Silviculture in Wetland Areas**

KY Forest Conservation Act

(1998)

- Requires all commercial logging operations to follow appropriate KY AWQA BMPs.
- Requires all non-animal commercial logging operations to have a Master Logger on-site and in-charge. (KML – UK/KDF/KFIA)



- KML – legislatively established UK – KDF - KFIA
- Housed at UK Department of Forestry and Natural Resources
 - Coordinator – Kentucky Division of Forestry (Mark Schuster)
 - Director – University of Kentucky (Jeff Stringer)
- Started 1992 (voluntary) in 2000 mandated
- Since inception over 9,000 trained
- Typically 3,000 KML designees, approximately 2,500 loggers

KY Forest Conservation Act (1998)

- Requires all commercial logging operations to follow appropriate KY AWQA BMPs.
- Requires all non-animal commercial logging operations to have a Master Logger on-site and in-charge. (KML – UK/KDF/KFIA)
- KY Division of Forestry inspects – 5 step – Bad Actor
- Exempts some operations that are:
 - covered by other laws (mining)
 - change in land use
 - non-industrial land where individual owner is conducting the operation

KY Forest Conservation Act (1998)

6 BMPs and 28 minimum requirements

BMP 1: Access Roads, Trails, and Landings

BMP 2: Revegetation of Silvicultural Disturbed Areas

BMP 3: Streamside Management Zones (SMZ)

BMP 4: Sinkholes, Sinking Streams and Caves

BMP 5: Fluids and Trash

BMP 6: Proper Planting of Tree Seedlings by Machine

BMP 7: Fertilization

BMP 8: Application of Pesticides

BMP 9: Site Preparation for Reforestation

BMP 10: Silviculture in Wetland Areas

Administrative Structure

- **KY AWQ Authority**

- sub-committees – silviculture

- **Kentucky Forest Conservation Act**

- Governor appointed Forestry BMP Board – 13 members: forest industry, farming, woodland owners, UK, KDF

- Board is the silviculture sub-committee of AWQA

- Required to meet and periodically assess BMPs (1,3,4,5,7,10)

- Inspection experience

- Research evidence

- Operational experience

- **KDOW regulatory authority** - Surface water – Floodplain

- **Corps of Engineers, US EPA** – Waters of the US

Responsibilities

- Landowner has ultimate responsibility to protect the waters of the US and the Commonwealth from pollution.
 - Subject to KDOW, USEPA, Corps, USFS (T&E)
- Landowner must ensure the use of appropriate state mandated BMPs.
 - Subject to the AWQA and the KFCA IF they are determined to be directing logging operations
- Loggers required to implement appropriate BMPs regardless of landowner wishes

Typical Regulatory Response for Forestry Issues

- Industrially caused, wetland issue or major flood plain
 - KDOW, US EPA, Corps
- Private landowner – typically forestry water quality issue
 - KDF under KFCA will inspect
 - KDOW typically only involved in KFCA fails to address the issues
- Private landowner – T&E (OSRW - with T&E designation)
 - USFS, US EPA
- Private landowner – flood plain violation
 - KDOW, Corps

Assistance with Forestry BMP Implementation

Landowners

KDF - assistance on Forest Management that includes information on water quality

KDF - inspect a landowners or others timber harvesting operations for BMP use

KDF – assistance with riparian establishment

Consulting Foresters - provide assistance with selling timber and managing timber harvesting including use of BMPs

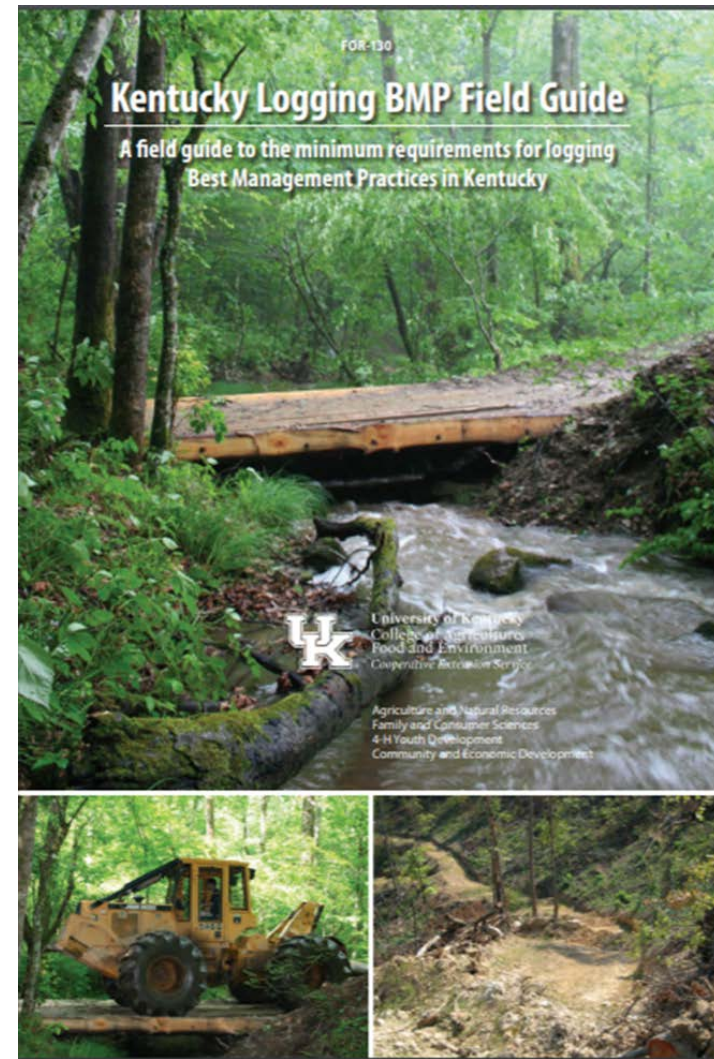
Educational/Training Resources – UK Cooperative Extension Service - Forestry



Assistance with Forestry BMP Implementation

Kentucky Master Logger Program

- Program, event scheduling and events
- BMP guidelines
- Links to resources
 - Water Maps (Forestry Viewer)
 - Safety Plans – Emergency Route Finder
 - Trucking Cost Estimator
- Master Logger Finder
 - Contact information
 - Bad Actor



KENTUCKY MASTER LOGGER

- Home
- 3-Day Program
- Bad Actor Information & List
- Forms
- KML Continuing Education Information & Schedule
- Out-of-State Loggers
- Renew Your Card
- Resources/Newsletters
- Temporary Master Logger
- Search KY Master Loggers**



Dunnville CE Log Grading Demo



Due to COVID-19 please check the class schedules to see if any classes are cancelled.

www.masterlogger.org

New BMP Requirements

2017 new logging BMP minimum requirements became in effect (by of the requirements). The important changes to the minimum requirements are highlighted in the brochure "2017 Logging BMP Changes". [Click here](#) or on the image for the brochure.

Please make copies and distribute as needed including providing links on



KY Master Logger Program

Chair
Natural Resources

Search KY Master Loggers

There are 9409 Records in the database

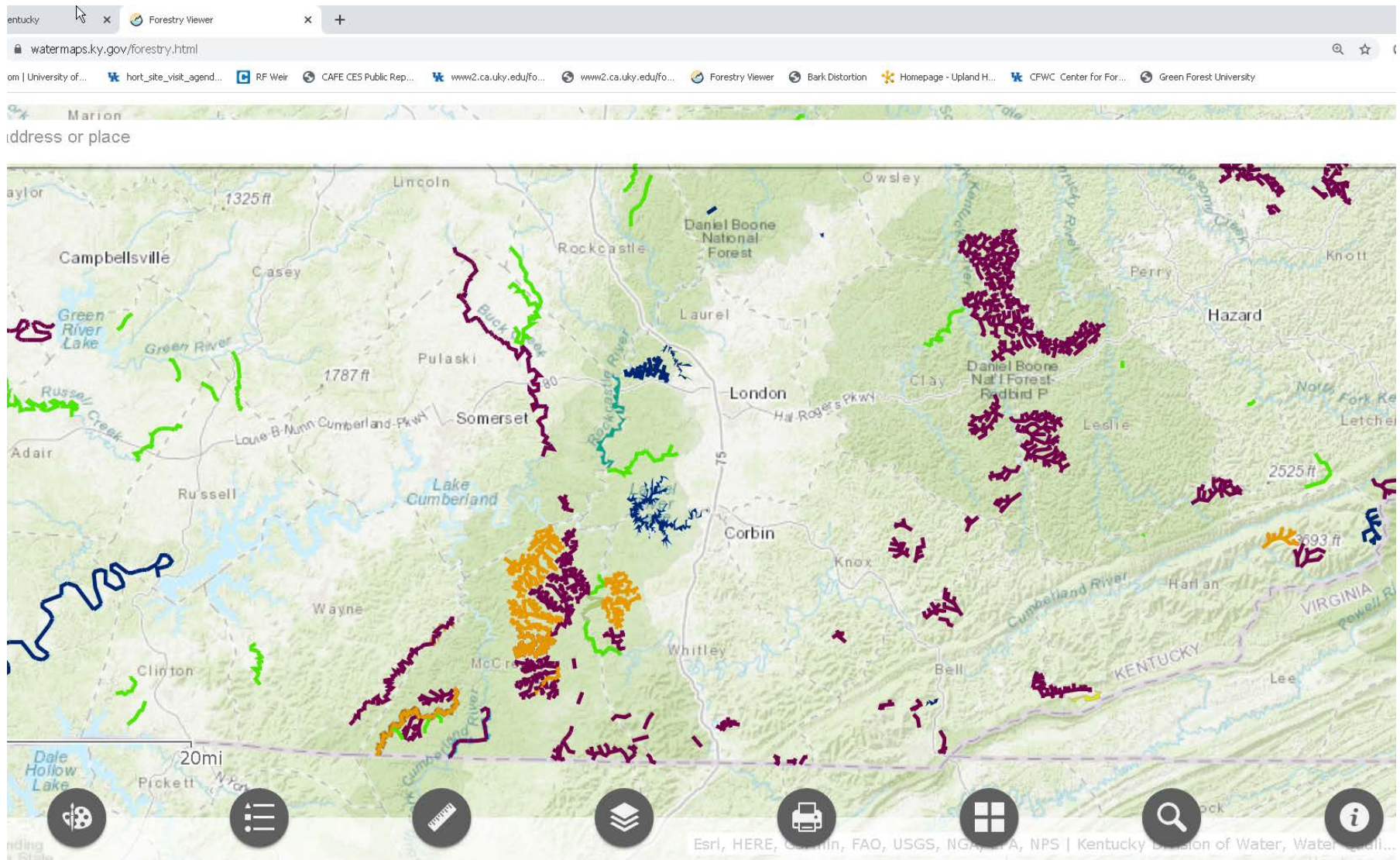
Designation Last Name City County

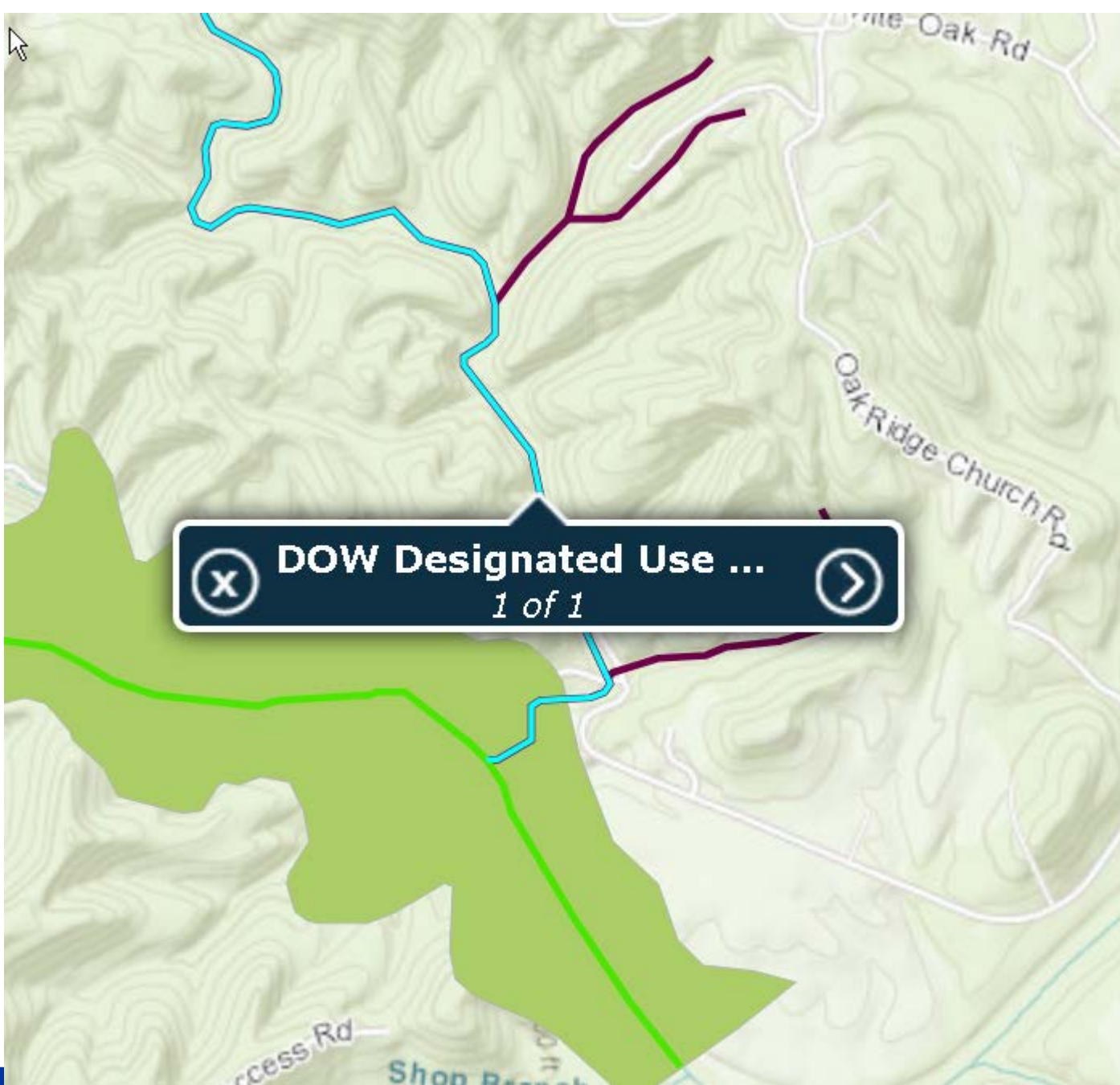
District Office State Items per page

<u>Designation Number</u>	<u>Contact</u>	<u>County</u>	<u>District Office</u>	<u>CE Credits</u>	<u>Bad Actor</u>	<u>Expiration Date</u>
AL-073-001	Bradley B. Bearden 3931 Bearden Dr. Birmingham, AL 35243 (205) 533-5268	Jefferson (AL)	N/A	0	No	November 30, 2017
AL-077-001	DeWayne Oakley 4210 Chisholm Rd. Florence, AL 35630 (256) 764-5480	Lauderdale (AL)	N/A	0	No	August 30, 2009
AL-125-001	Tim Farley P.O. Box 71810 Tuscaloosa, AL 35456 (205) 758-4499	Tuscaloosa (AL)	N/A	0	No	February 28, 2014
AR-001-001	Joe Felsman 1531 W. Elberta Ave. De Queen, AR 71832 (870) 200-2431	Arkansas (AR)	N/A	0	No	April 30, 2016

Access from master logger page

<https://watermaps.ky.gov/forestry.html>







DOW Designated Use Waters, 401 KAR 10:026: 05130101001171

EventDate 3/28/2019, 8:00 PM

ReachCode 05130101001171

ReachResol 2

FeatureCla 2

FMeasure 0.00

TMeasure 100.00

EventType 0

GNIS_ID 00510295

GNIS_Name Archers Creek

Alt_Name

Use_Designation **T/E-OSRW**

TR_Year

ONRW



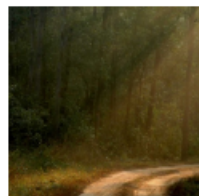
DIVISION OF FORESTRY

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Forest Health

Even though hardwood species dominate in the state, (including walnut, oak, maple, cherry, hickory and yellow-poplar), there are considerably large areas of natural and commercial pine forests across the state.



Forest Stewardship Program and Landowner Services

The Division of Forestry, as lead agency in a multiagency partnership, will arrange for a forester, wildlife biologist, other natural resources professional or all of the above to meet with you to help prepare a



Hotline

To report a wildland fire arsonists, call the Target Arson Hotline number. To report a wildland fire, call your [local division field office](#), fire department or 911.



Google Kentucky Division of Forestry

<https://eec.ky.gov/Natural-Resources/Forestry/Pages/default.aspx>



Welcome to the KACF Website!

The Kentucky Chapter of the Association of Consulting Foresters of America is a non-profit, professional organization representing the professional consulting foresters in Kentucky.

WHAT IS A CONSULTING FORESTER?

A consulting forester is a privately employed businessman with a minimum of a B.S., degree in forestry from an accredited college or university.

WHAT DOES A CONSULTING FORESTER DO?

A consulting forester provides professional forestry services to a client for a fee or commission.

A more detailed explanation can be found on the FAQ Page.

AN ACF CONSULTING FORESTER SERVES YOU BEST...

in professional ability, technical training, broad experience, honesty, integrity, and in their interest to serve no one's interest but those of their client. ACF Consulting Foresters are fully qualified to serve the needs and requirements of both individuals and business. KACF.org is undergoing an overhaul and won't be right for several days. Sorry for the inconvenience and come back soon.

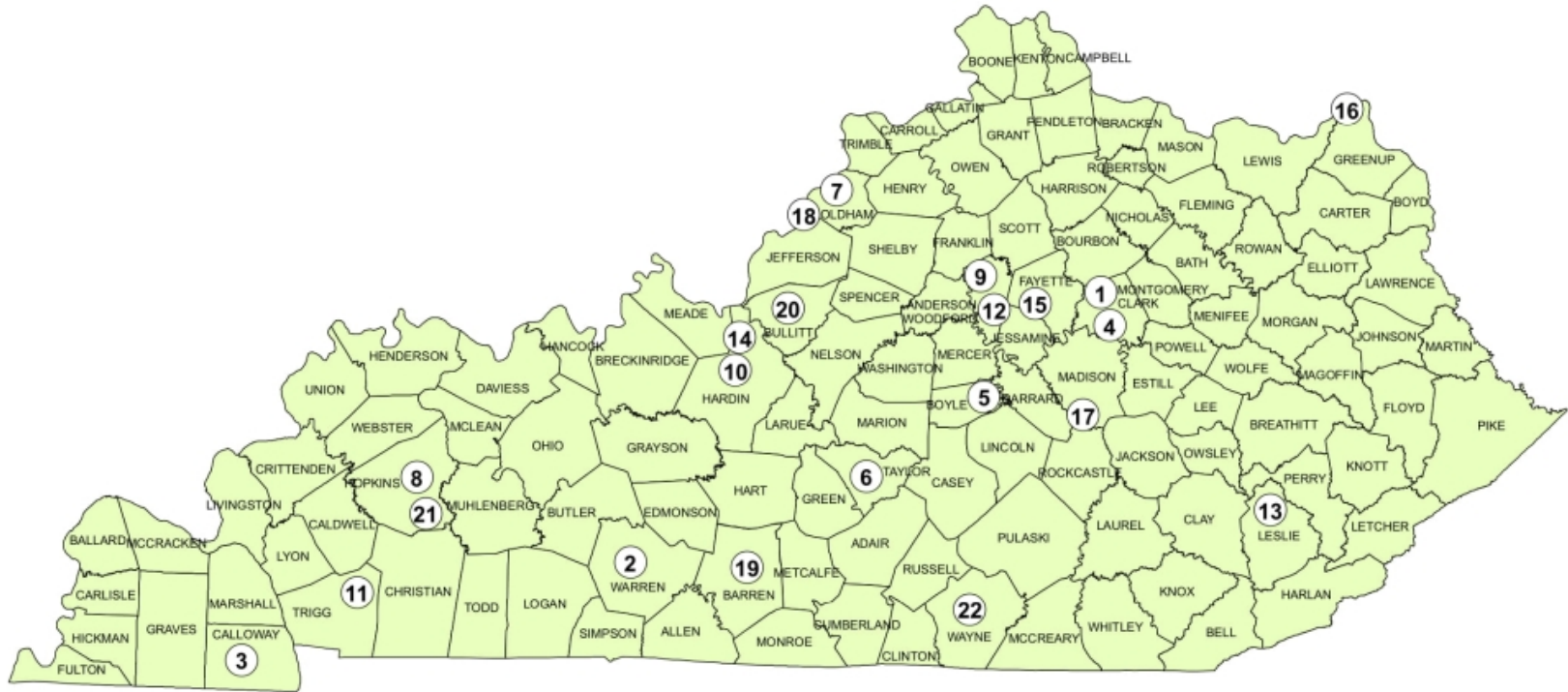
Would you like to know more?

[Click here to download the brochure.](#)



www.kacf.org





**ID#: 1
Contact**

Company: Kovalic Forest Services, Inc.
Name: Peter Kovalic
Email Address: JacqKov1@aol.com
Website:

**ID#: 2
Contact**

Company: Land And Timber Realty LLC
Name: Kraig Moore
Email Address: kraig@kentuckylandandtimber.com
Website: kentuckylandandtimber.com

**ID#: 3
Contact**

Company:
Name: Larry Doyle
Email Address: sldoyle@newwavecomm.ne
Website:

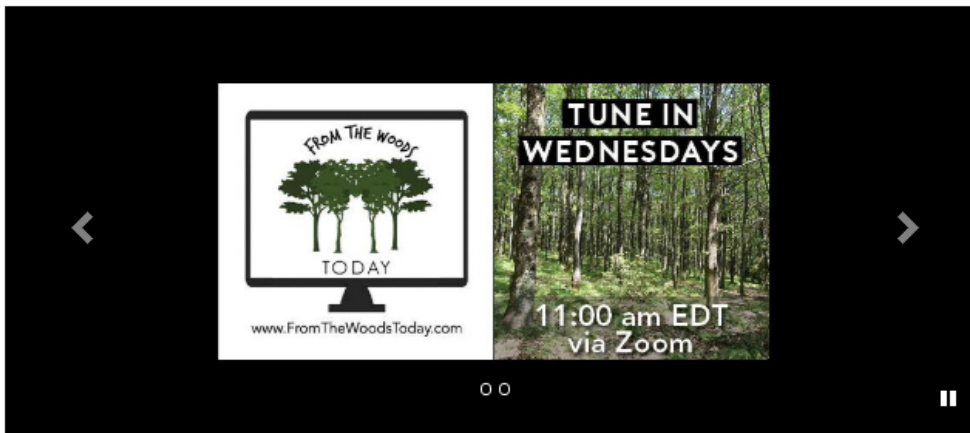
Department of

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Emerald Ash Borer



White Oak Genetics Program

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Kentucky Forest Sector Economic Contribution

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Best Management Practices Publications

Ecosystems and Biodiversity Publications

Forest Management Publications

General Forestry Publications

Logging Publications

Non Timber Forest Products Publications

Professional Hardwood Notes Publications

Forestry Extension Publications

Wildlife Publications

- Kentucky Logging BMP Field Guide
- Forestry Practices and Stream Ecosystems: The Effect of Logging on Stream Ecosystems
- Developing a Forestry Agriculture Water Quality Plan
- Forestry Water Quality Plan: Preparing an Agriculture Water Quality Plan for Your Woodlands
- Erosion from Logging Roads and Skid Trails: Case Study of the Robinson Forest
- Determining Best Management Practices for Timber Harvesting in Kentucky: A Training Manual for Loggers
- Water Quality and BMP Regulations for Forestry Operations in Kentucky
- Kentucky Forest Practice Guidelines for Water Quality Management
- Kentucky's Timber Harvesting BMP Implementation Study: Preliminary Results

Forestry Water Quality Plan

PREPARING AN AGRICULTURE WATER QUALITY PLAN FOR YOUR WOODLANDS

Jeffrey W. Stringer and Amy F. Thompson, University of Kentucky Department of Forestry, and W. Cary Perkins, Kentucky Division of Forestry

Landowner Water Quality Plans

The Kentucky Agriculture Water Quality Act specifies that landowners must have a written water quality plan that states which best management practices (BMPs) are to be used in forestry operations on their property. Landowners engaged in forestry or agriculture operations and owning 10 or more acres of contiguous property are responsible for writing a plan and ensuring that the plan is implemented. This guide provides information on how to write a water quality plan for woodland operations.

Before preparing your plan, read the introductory sections on Water Quality Protection and Types of Water Pollution. These sections provide basic information on the pollutants common to woodland activities and how they can be addressed by proper use of appropriate BMPs. You should also review the BMPs and their minimum requirements. While not all BMPs will be required in a plan, reviewing them will help you to understand the range of practices that can be included in your plan and implemented on your property.



Proper stream crossings are critical for reducing water pollution from forestry operations.

Water Quality Protection

All parties involved in woodland operations, including landowners, loggers, and silvicultural operators, are responsible for water quality protection. Forestry operations include both timber harvesting and traditional silvicultural activities. Silvicultural activities are those used to grow and care for forests and trees. Activities such as tree planting, thinning, timber stand improvement, and any work done to encourage tree regeneration after a timber harvest are considered silvicultural operations.

One of the most effective methods of protecting water quality during forestry operations is to use BMPs. BMPs are guidelines and techniques that, when used properly, can help reduce impact to our waters. They do this by decreasing erosion and the creation of muddy water, keeping chemicals and fluids out of streams, and limiting changes in the woods next to streams. BMP activities include properly designing stream crossings, reshaping and seeding logging roads, trails, and log landings, installing structures to reduce erosion, and reducing use of equipment, chemicals, and fertilizers near streams, ponds, and sinkholes.

¹ For further information on the Kentucky Agriculture Water Quality Act plan, particularly as it relates to owners engaged in both farming and woodland operations, contact your county Cooperative Extension Service office or your county conservation district office and consult the Kentucky Agriculture Water Quality Authority's "Workbook."

Types of Water Pollution

Water pollution from woodland operations is generally considered nonpoint source (NPS) pollution. NPS pollution is a type of pollution not readily identifiable as coming from any one point. Examples of water pollution from forestry activities are given below:

- **Muddy water runoff from logging roads, skid trails, and log decks.** Sediments can settle to the bottom of the stream or pond, choking out plant and animal life.
- **Tree taps, logging, and site preparation debris.** When pushed into streams, they can cause diversion of the streams, resulting in bank erosion and muddy water.

Forestry BMPs Networking

