

Forestry Pollution Abatement



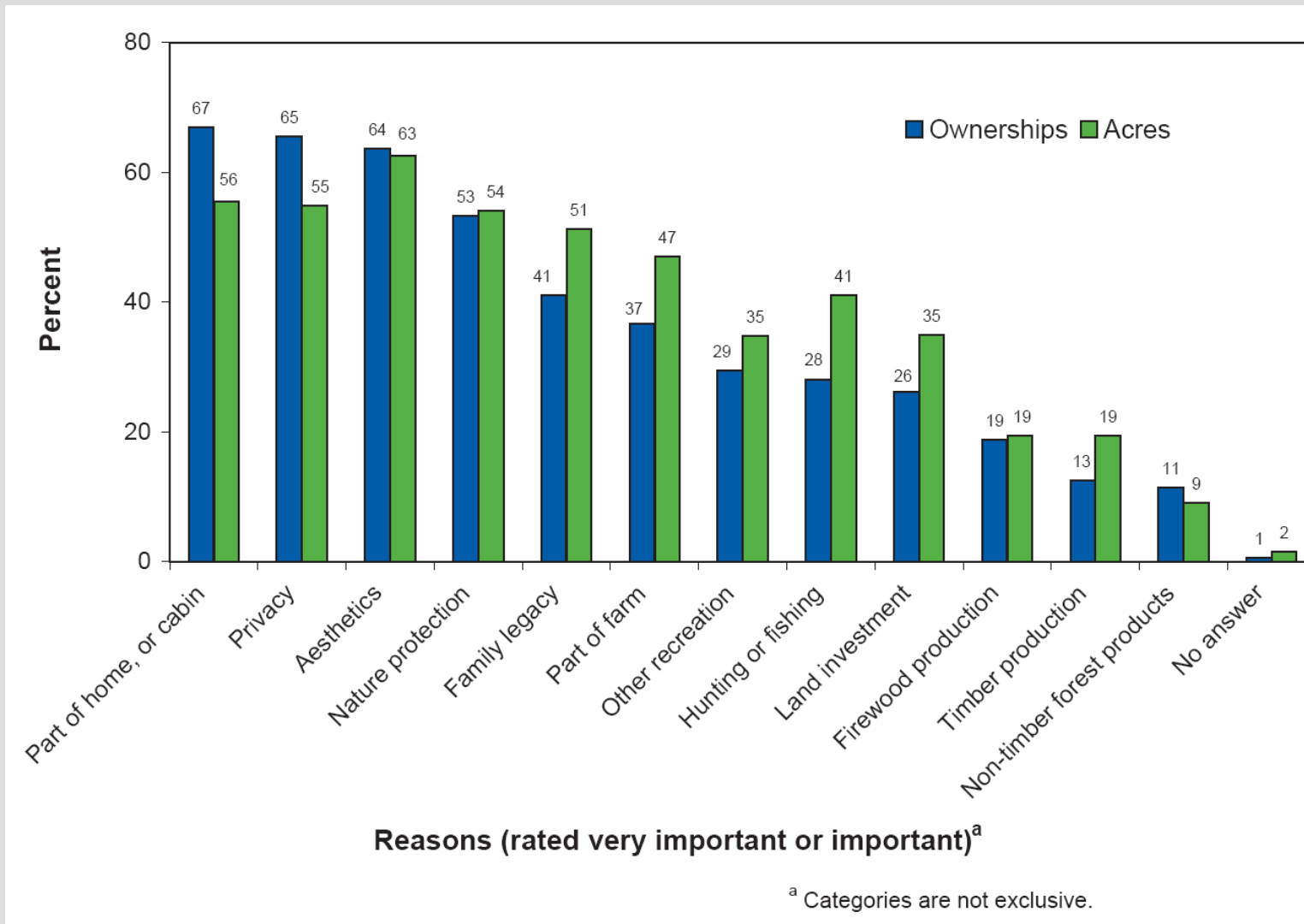
Bob Mulligan
Forest Hydrology Manager

Why do own your forestland?

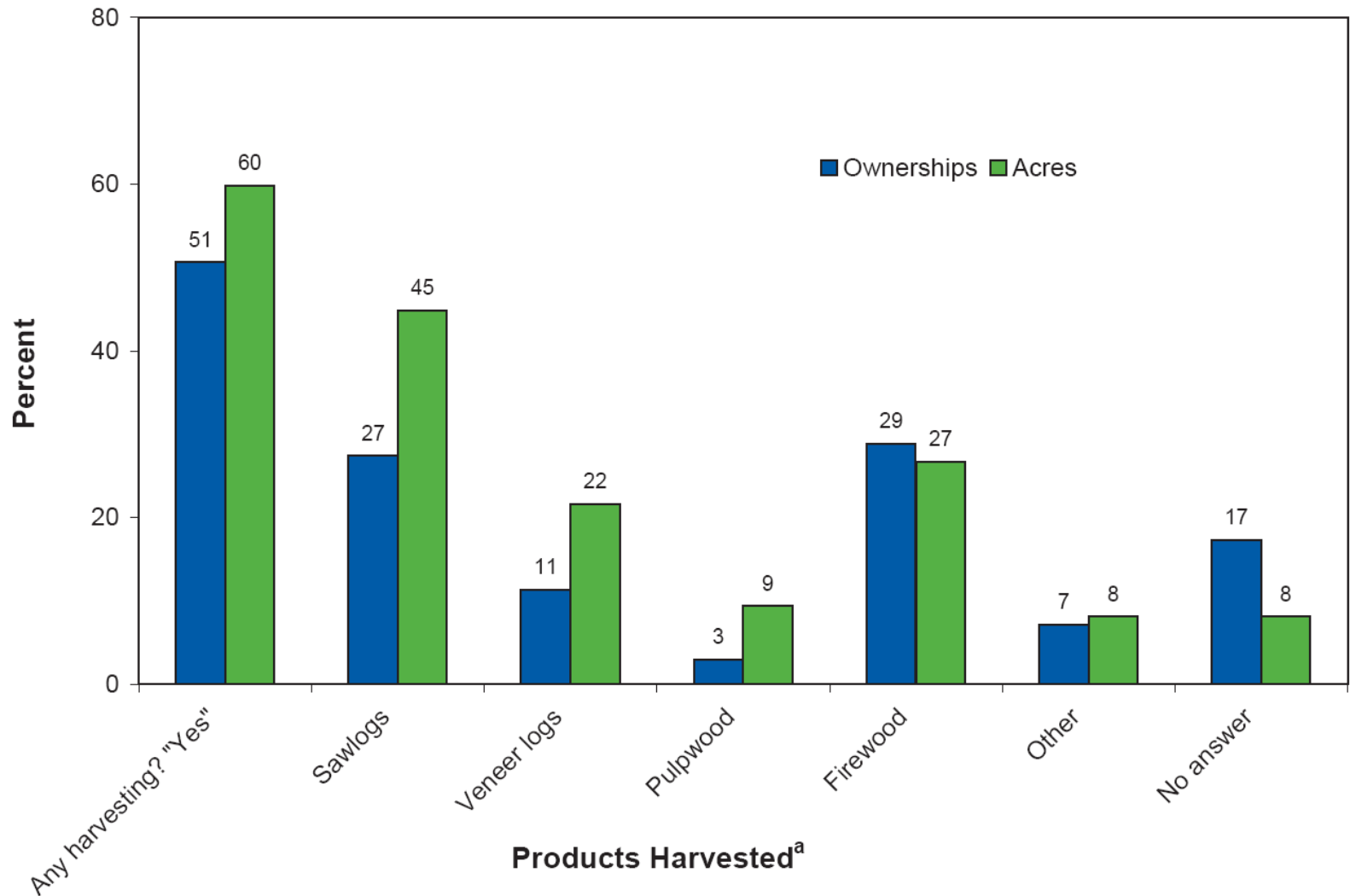


"I think I'd appreciate the outdoors more if all these stupid trees weren't blocking the view."

Why do Ohioans own forestland?



How many landowners harvest trees?



^a Categories are not exclusive.



When Considering a Harvest, Most Landowners are...



Some Common Reasons People Harvest Trees

- Produce Income
- Improve Wildlife Habitat
- Improve the Overall Health of Your Forest
- Develop Recreational Activities
- Salvage Damaged Timber
- Change Land Use
- Others



GOOD NEWS:

Properly planned and administered
timber harvests can help you to
achieve your forest management
objectives!



BAD NEWS:

Unplanned and poorly administered timber harvests can have negative impacts that last centuries.

Does Cutting Trees Cause Soil Erosion?









The Process of Soil Erosion



- Detachment
 - Caused by the impact of rain drops on bare soil
 - Also caused by moving water
- Transport
 - Movement of soil
 - Increases as water velocity increases
- Deposition
 - Silt or detached soil is deposited in another location
 - Waters of Ohio?



1501:3-12-02 Forestry pollution

Each owner, operator, or person responsible for a silvicultural operation **shall** prevent **forestry pollution** caused by wind or water erosion. Silvicultural operations shall apply conservation practices in accordance with **"BMPs For Erosion Control for Logging and Forestry Practices in Ohio"**, which are available to all Ohio county soil and water conservation districts, or other appropriate methods or management practices approved by the chief or authorized agent. **Owners, operators, or persons responsible for** silvicultural operations **may** file **timber harvest plans** with the district in the county where such operations are performed **or with the chief or authorized agent.**



What is Forestry Pollution?

OAC 1501:3-12-01



(9) "Forestry pollution" means failure to use management or conservation practices in silvicultural operations to abate wind or water erosion of the soil or to abate the degradation of the waters of the state by soil sediment, including attached substances, from silvicultural operations.

Waters of the State



"Waters of the state" means all streams, lakes, ponds, marshes, watercourses, waterways, wells, irrigation systems, drainage systems, and other bodies or accumulations of water, surface and underground, natural or artificial, regardless of the depth of the strata in which underground water is located, that are situated wholly or partly within, or border upon, this state, or are within its jurisdiction, except those private waters that do not combine or effect a junction with natural surface or underground waters.

What happens if a complaint is filed against my logging job?

- The Ohio Administrative Code requires that all complaints be investigated within 3 working days.
- Ohio Division of Forestry is responsible for oversight of the investigation process.
- SWCD is typically first on the scene.



COMPLAINT PROCESS



- Any person being damaged or affected by **Forestry Pollution** may file a complaint with the local SWCD.
- Through written agreement (**MOU**) with the Chief of the Division of Forestry, SWCDs have authority to receive pollution complaints and investigate them.

COMPLAINT PROCESS



- Complaints may be written or verbal and should indicate:
 - location/description of the property or waters of the state allegedly being damaged
 - nature and extent of the damage
 - alleged sources of pollution
 - efforts made to obtain voluntary cooperation to eliminate the problem

COMPLAINT PROCESS



- During the site investigation, the SWCD will evaluate the operation to determine if **forestry pollution** exists.
- By Rule, forestry pollution is defined as: “Failure to use management or conservation practices in silvicultural operations to abate wind or water erosion of the soil or degradation of waters of the state by soil sediment and pollutants attached thereto.”



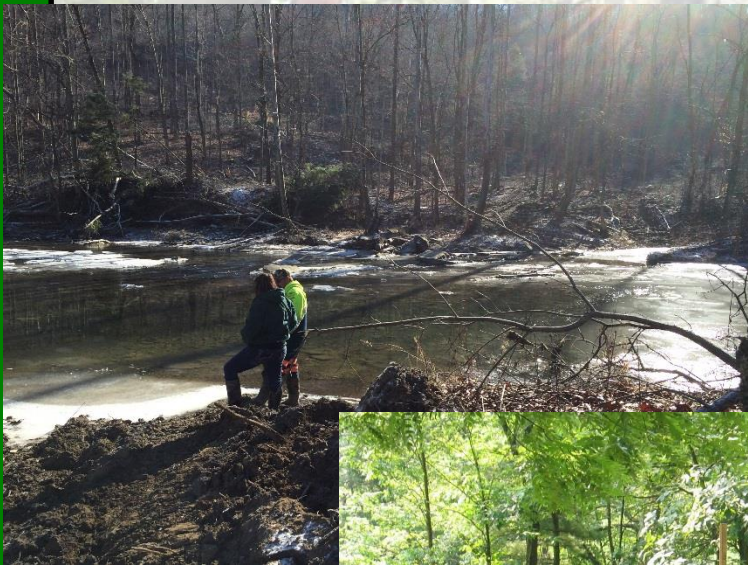
The Ohio Approach to Forestry Pollution



State	OH	WV	KY
THP Required?	Voluntary	Yes	Yes
Mandatory Inspections?	No	Yes	Yes
Logger Training Required?	By some log buyers.	Yes	Yes
License Required?	No	Yes	Yes
BMP's Required?	Yes	Yes	Yes

Why does a complaint driven program work so well in Ohio when it failed in other states?

Ohio's 88 Soil and Water Conservation Districts!



Best Management Practices

- Reduce Soil Loss from Erosion
- Reduce Sediment in Streams
- Protect Natural Resources
 - forestland
 - water quality



Common BMPs





Uphill Logging vs. Downhill



SMZs

Waterbars





Sediment Barriers





Timber Harvest Plans

- Are **voluntary written** plans that describe:
 - The responsible parties involved (landowner, logger, consulting forester, etc.)
 - Physical location of the property.
 - Property boundaries.
 - Location of stream and drainage pattern crossings.
 - Other critical areas.
 - Road and trail locations.
 - Log landings.
 - Buffer zones.
 - Soils information.
 - Proposed starting and completion dates.
 - BMPs that will be used during the harvest and at closure and where they will be located (using a USGS Topo Map).
 - Signatures of responsible parties.
- Provides for an Affirmative Defense
 - If you are sued in civil Court
 - Provided you are following the Plan

Ohio Timber Harvest Planning Program

Ohio Department of Natural Resources,
Division of Soil & Water Conservation

In cooperation with

Ohio's Soil & Water Conservation Districts

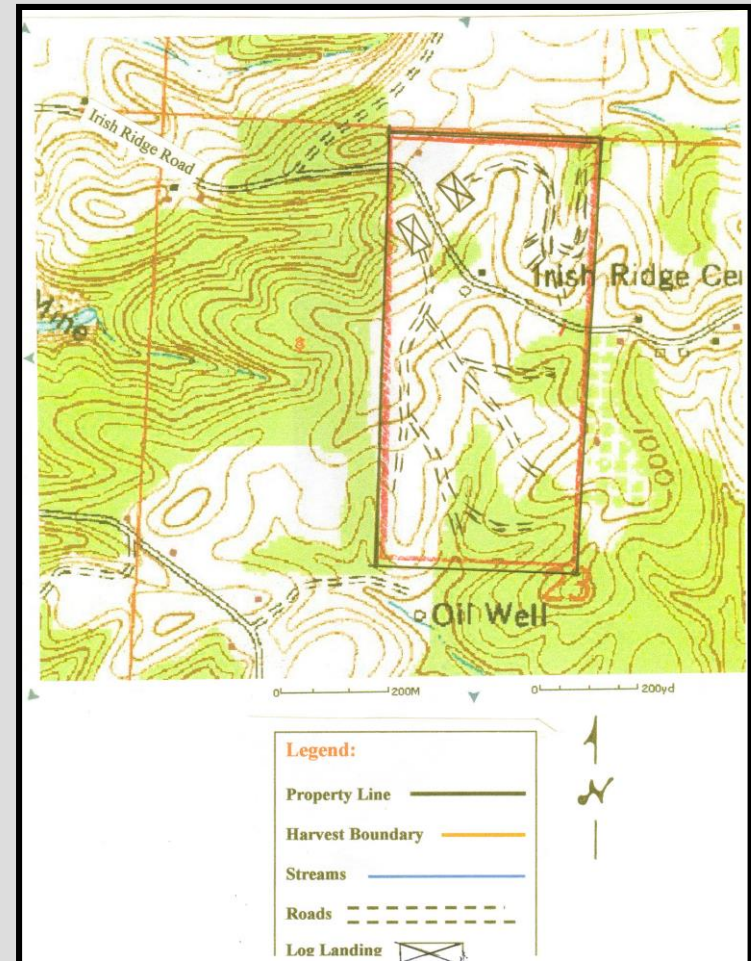
Program Purpose: This voluntary program is designed to assist woodland landowners, loggers and foresters with the pre-planning of logging activity. The program is designed to help the responsible parties select Best Management Practices (BMPs) that will reduce soil erosion and maintain the harvest site to state standards found in the Agricultural Pollution Abatement Rules and Standards (Ohio Administrative Code-1501:15-5-01 to 1501-5-18).

Timber Harvest Notice of Intent (NOI) (For Voluntary Submittal)

Landowner Name(s): _____		
Mailing Address: _____		
Telephone No.: _____	Cell No: _____	
E-mail Address: _____		
Logging Company Name: _____		
Mailing Address: _____		
Contact Person: _____		
Telephone No.: _____	Cell No: _____	
E-mail Address: _____		
Certified Master Logging Company?	Yes	No
Has logger attended BMP training within last 5 years?	Yes	No
Forester Name(s): _____		
Company or Organization Name: _____		
Mailing Address: _____		

The Map

- The map is the heart and soul of the Timber Harvest Plan.
- It should be legible, well thought out and have a legend with appropriate map symbols.
- Overlaid on a USGS Topography map.



Sale Closing

Stabilizes the soil to prevent future erosion

- Can benefit wildlife and aesthetics
- Should be completed ASAP after the harvest is completed (no more than 7days!)

Sale closing is second in importance only to planning the sale layout!!!



BMP Planning-Assistance

- Soil and Water Conservation Districts (SWCD)
 - Technical assistance with BMP placement etc.
 - Soils Information
 - Timber Harvest Plans



Ohio Master Logger Program

- Trained to use Best Management Practices (BMPs) to reduce soil erosion and improve the appearance
- Trained to employ safe and efficient timber cutting and logging.
- Certified in First Aid and CPR.
- Workers' Compensation coverage on employees.
- Company provides liability coverage on request.
- Must participate in advanced training and periodic recertification training.
- Member of local logger's chapter and the Company must be a member of the Ohio Forestry Association, Inc.
Training
- <http://www.ohioforest.org/>

Call Before You Cut- <http://callb4ucut.com>

*Call Before
You Cut*

Ohio

877-424-8288

Login

Why Sell Timber?

Why Sell Timber?

How To Start

Expert Help

Your woods represent one of your most valuable resources.

The decision to harvest, and how to do so, can either improve or set back the future value of your land, its potential for wildlife habitat, and as a source for you and your family.

There are several reasons why you might decide to sell timber.