

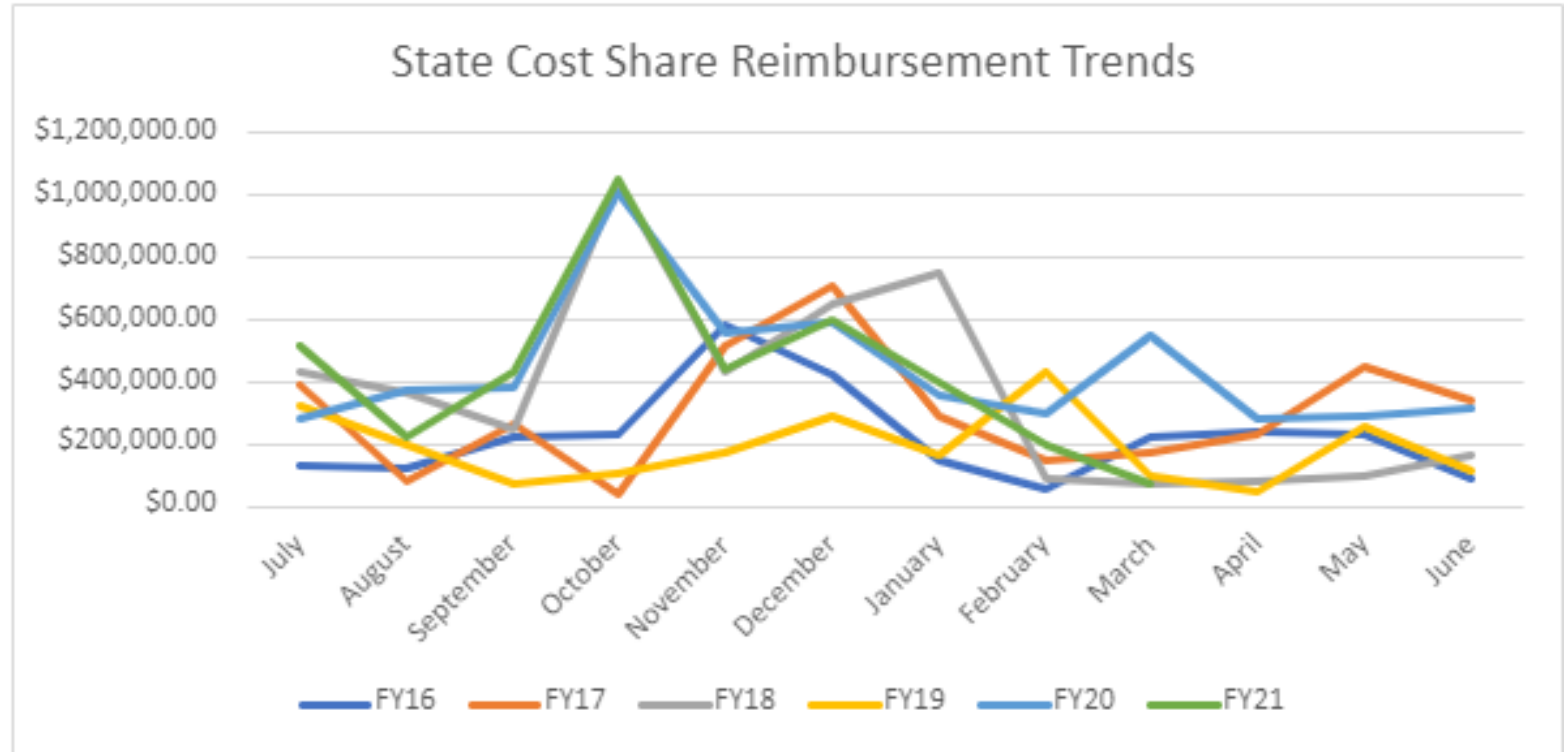


Division of Conservation Update

Paulette Akers

March 2021

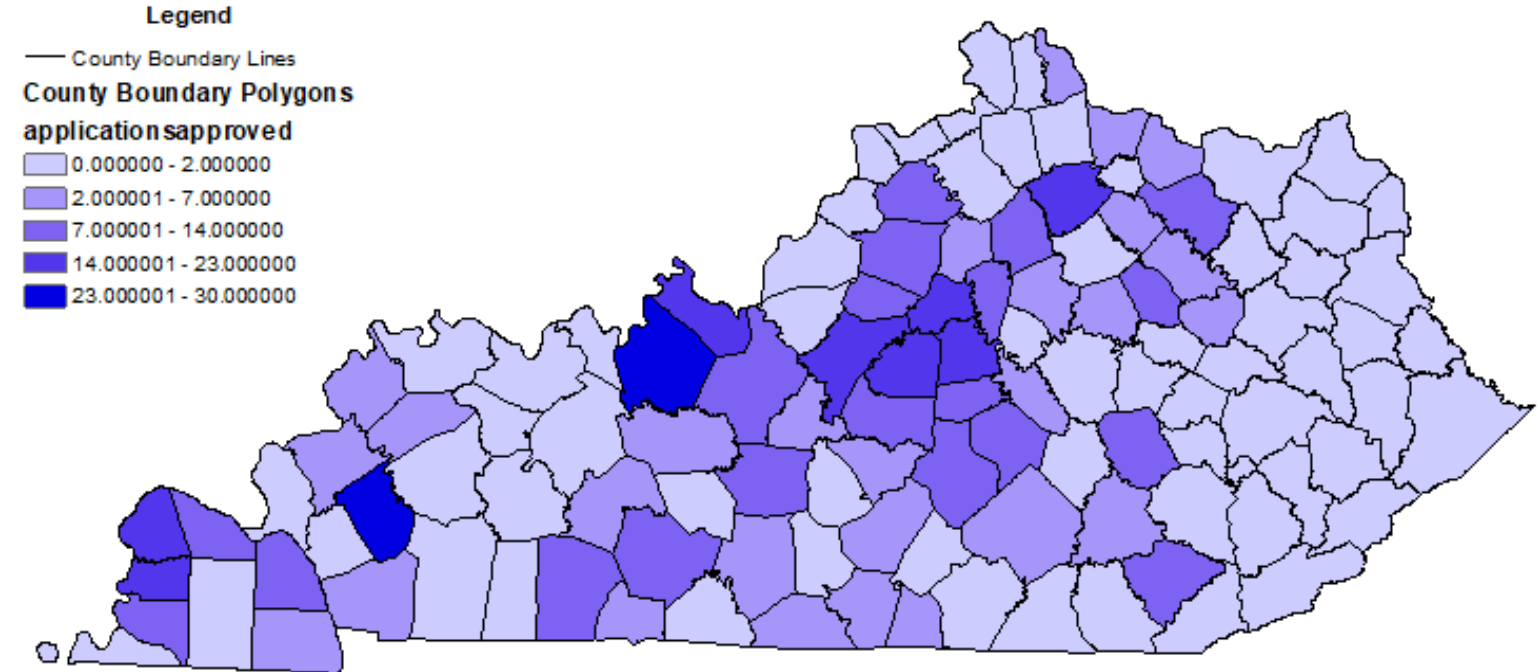
Cost Share Reimbursements



- Calendar year 2020 \$5,354,764.07 in cost share was reimbursed
- Calendar year 2019 was \$4,308,437.07
- Calendar year 2018 was \$2,427,744.96

Cost Share

- FY21
 - \$5,920,643 awarded
 - 592 applications
 - 146 Cropland
 - 21 Animal Feeding Operations
 - 425 Pastureland



New AWQA eWorkbook



Agriculture Water Quality Plan (AWQP).

(*) indicates a required field; (✓) indicates a field may be required based on user input or is an optionally required field
 ⓘ provides additional information about the field when mouse pointer is hovered

AWQP Plan Decision
Farmstead BMPs
Plan Summary

Is this the first AWQA e-Plan you have created through this website? (*)

Yes ▼

Farm Information

Farm Name (*) ⓘ <input type="text" value="Farm Name"/>	Approximate Farm Acreage (*) <input type="text" value="Acreage"/>
Connection to Farm (*) <input type="text" value=""/>	Farm Number/FSA Number (*) <input type="text" value="Farm Number/FSA Number"/>

Farm Address

Street Address (*) <input type="text" value="Street Address"/>	City (*) <input type="text" value="City"/>	County (*) <input type="text" value=""/>
State (*) <input type="text" value=""/>	Zip Code (*) <input type="text" value="##### or #####-####"/>	Contact #/ Phone (*) <input type="text" value="###-###-####"/>

Check this box if mailing address is same as farm address

Farm Mailing Address

Street Address (*) <input type="text" value="Street Address"/>	City (*) <input type="text" value="City"/>	County (*) <input type="text" value=""/>
State (*) <input type="text" value=""/>	Zip Code (*) <input type="text" value="##### or #####-####"/>	

Land Owner Information

Organization Name (*)

First Name (✓) <input type="text" value="First Name"/>	M.I. <input type="text" value="Middle Initial"/>	Last Name (✓) <input type="text" value="Last Name"/>
City (*) <input type="text" value="Land Owner City"/>	State (*) <input type="text" value=""/>	Zip Code (*) <input type="text" value="##### or #####-####"/>

Check this box if land user information is same as land owner information

Land User (tenant, manager, etc.) Information

Organization Name (*)

First Name (✓) <input type="text" value="First Name"/>	M.I. <input type="text" value="Middle Initial"/>	Last Name (✓) <input type="text" value="Last Name"/>
City (*) <input type="text" value="Land Owner City"/>	State (*) <input type="text" value=""/>	Zip Code (*) <input type="text" value="##### or #####-####"/>

SINKHOLES, SINKING STREAMS & CAVES

SILVICULTURE BMP #4

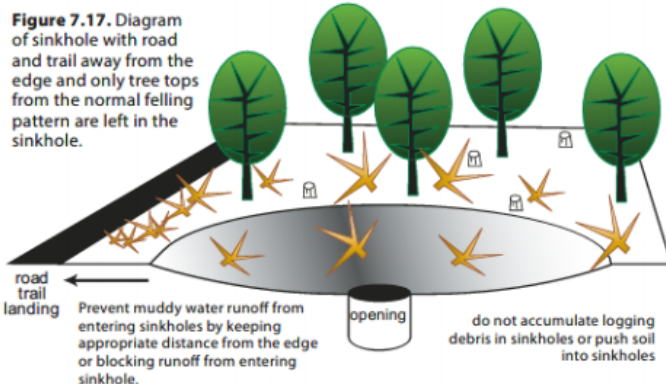


Figure Courtesy of Kentucky Logging BMP Field Guide

Description:

Protect sinkholes, sinking streams, caves, and other depressions in karst topography from disturbance or runoff.

AWQA Minimum Requirements:

1. Runoff from roads, trails, and landings shall not drain into **sinkholes, sinking streams, or caves**. (Note that if runoff does enter a sinkhole, a UIC (Underground Injection Control) permit may be required.)
2. Soil and logging debris shall not be concentrated or actively accumulated in a sinkhole.

Recommendations:

Disturbing soil in sinkholes with open swallets should be avoided. However, each case can be evaluated individually. Reestablish vegetation on disturbed areas as quickly as possible. Divert runoff away from openings in sinkholes.

Technical References

University Publications

- See “Sinkholes” in the current version of [Kentucky Forest Practice Guidelines for Water Quality Management](#) for detailed specifications regarding silvicultural activity near sinkholes.

Funding Assistance Options

State Cost Share

- See your local Conservation District to [apply](#).

Kentucky Ag. Development Fund (KADB/KAFC)

- Select from available program

Important Considerations

Water Quality Benefit (🌊🌊🌊🌊🌊): 🌊
(KEY: 🌊=good, 🌊🌊🌊🌊=best: see [STEPL Model](#))

Wildlife Benefits

- Contact the Kentucky Department of Fish and Wildlife’s [Habitat Improvement Program](#) on how to

LIVESTOCK BMP #3

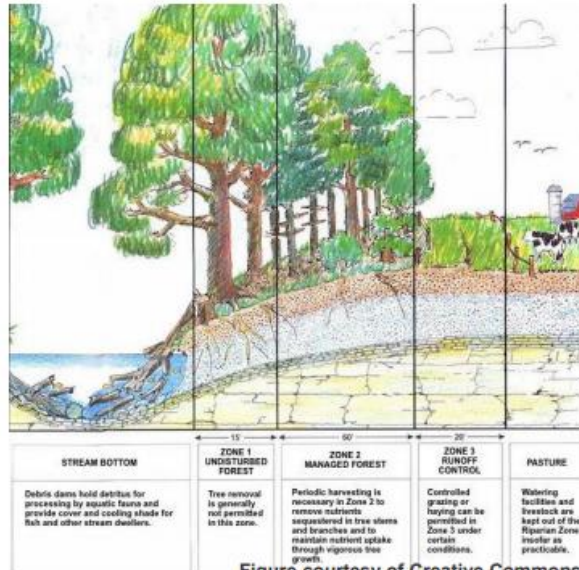


Figure courtesy of Creative Commons

Description:

A protected area of trees, woody shrubs, grasses, and other vegetation located adjacent to or up-gradient from water courses, wetlands, and impounded water bodies.

AWQA Minimum Requirements:

Apply this BMP in areas where a portion of the runoff occurs as shallow groundwater flow and where water quality is impaired or there is a high potential for water quality impairment. The riparian buffer area should be adjacent to permanent or intermittent streams, lakes or ponds, and wetlands. Livestock activities are acceptable in these areas. Fencing of riparian buffer zones will not be required; however, the selection and management of vegetation must be sufficient to adequately control or significantly abate potential soil erosion and provide adequate filtering and uptake benefits from the affected areas. If vegetation is not capable of withstanding grazing pressure, then livestock should be excluded except at designated crossing areas and watering sites ([Livestock BMP#4](#)). Temporary fence may be used to exclude livestock from zones that may be grazed temporarily while maintaining the effectiveness of the practice.

Recommendations:

Consider the type and quantity of potential pollutants that will be derived from the drainage area. Consider the adverse impacts that could result from uncontrolled and concentrated flows through the buffer zones if sheet flow is not maintained. Consider the sequence of conservation practice application to assure that excessive erosion and pollution rates do not prohibit the successful establishment of the buffer zones. The width of the riparian area may be adjusted to accommodate exceptional situations such as unique landforms, sensitive areas, public structures, etc. **Consider establishing “zones” in the riparian area that may include trees (Zone 1), small trees/shrubs (Zone 2), and or native warm season grasses and forbs (Zone 3).** Consider removing invasive species (i.e. bush honeysuckle) using methods/equipment that does not contribute to erosion.

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Technical References

University Publications

- [ID-175 Riparian Buffers: A Livestock BMP](#)
- [ID-185 Planting a Riparian Buffer](#)
- [AEN-99 Shade Options for Grazing Cattle](#)
- [FOR-112 Riparian Buffer Strips](#)
- [ENRI-109 Riparian Buffer](#)

USDA/NRCS Publications

- [Practice Code 391 Riparian Forest Buffer](#)

Funding Assistance Options

State Cost Share

- See your local Conservation District to [apply](#).

Kentucky Ag. Development Fund (KADB/KAFC)

- Select from available program options [here](#).

NRCS Environmental Quality Incentives Program (EQIP)

- Select from available program options [here](#).

Important Considerations

Water Quality Benefit (🌊-🌊🌊🌊🌊): 🌊🌊
(KEY: 🌊=good, 🌊🌊🌊🌊=best; see [STEPL Model](#))

Wildlife Benefits

- Contact the Kentucky Department of Fish and Wildlife's [Habitat Improvement Program](#) on how to improve wildlife habitat with select BMPs (1-800-858-1549).

Best Management Practices Webpage

BEST MANAGEMENT PRACTICES

🏠 / [Natural Resources](#) / [Conservation](#) / [Best Management Practices](#)

Kentucky's Agriculture Water Quality Authority has approved Best Management Practices (BMPs) to assist landowners as they work toward conserving Kentucky's land and water. These BMPs are acceptable practices that could be implemented to protect water quality and promote soil conservation during agricultural and silvicultural activities. On this page, as well as in the Statewide Agriculture Water Quality Plan, the BMPs are categorized in six sections for ease of use. Each file below has information and examples about each BMP.

Silviculture:

- BMP 1: [Access Roads, Trails, and Landings](#)
- BMP 2: [Revegetation of Silviculturally 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](#)

Pesticide and Fertilizer:

- BMP 1: [Storage of Dry Bulk Fertilizer](#)
- BMP 2: [Storage of Liquid Bulk Fertilizer](#)
- BMP 3: [Storage of Liquid and Dry Fertilizer \(small quantities\)](#)
- BMP 4: [Storage of Dry Bulk Pesticides](#)
- BMP 5: [Storage of Liquid Bulk Pesticides](#)
- BMP 6: [Storage of Liquid and Dry Pesticides \(small quantities\)](#)

<https://eec.ky.gov/Natural-Resources/Conservation/Pages/Best-Management-Practices.aspx>

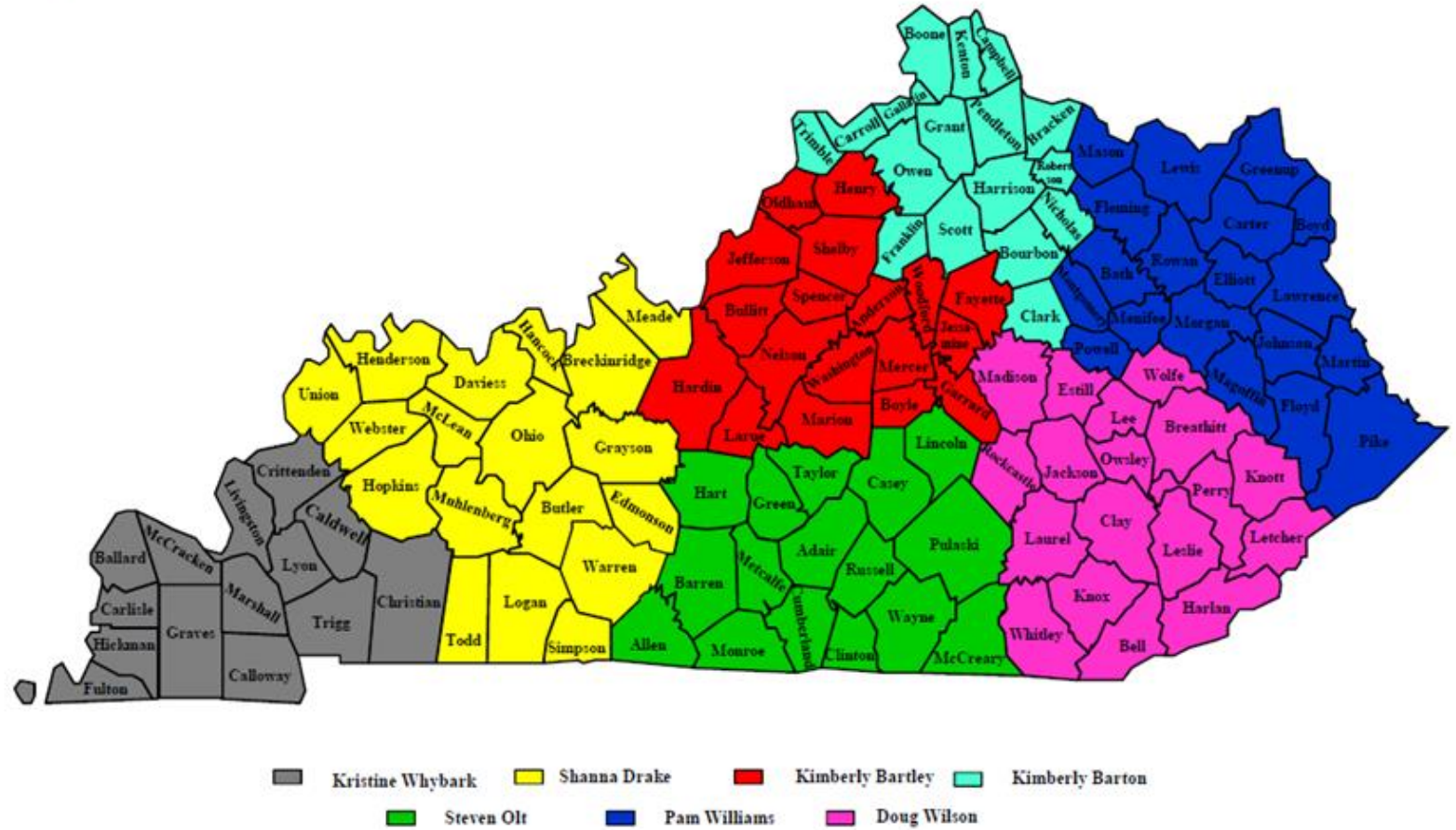
New AWQA eWorkbook



- DOC will conduct trainings for Conservation District staff and other agriculture professionals in April/May
- Instruction manual and presentation will be available on the DOC webpage
- Farmers applying for state cost share will need a new AWQA plan
- Next state cost share cut off November 15, 2021

Field Rep Map

Field Representatives



Questions?

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- Paulette.Akers@ky.gov
- Conservation@ky.gov