

Productive Conservation: DCNR's Multifunctional Buffer Program

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DCNR Bureau of Forestry
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What Are Multifunctional Buffers?

Buffers that
serve functions
beyond conservation



Native nut trees
and shrubs



Native fruit trees and shrubs



Woody Florals

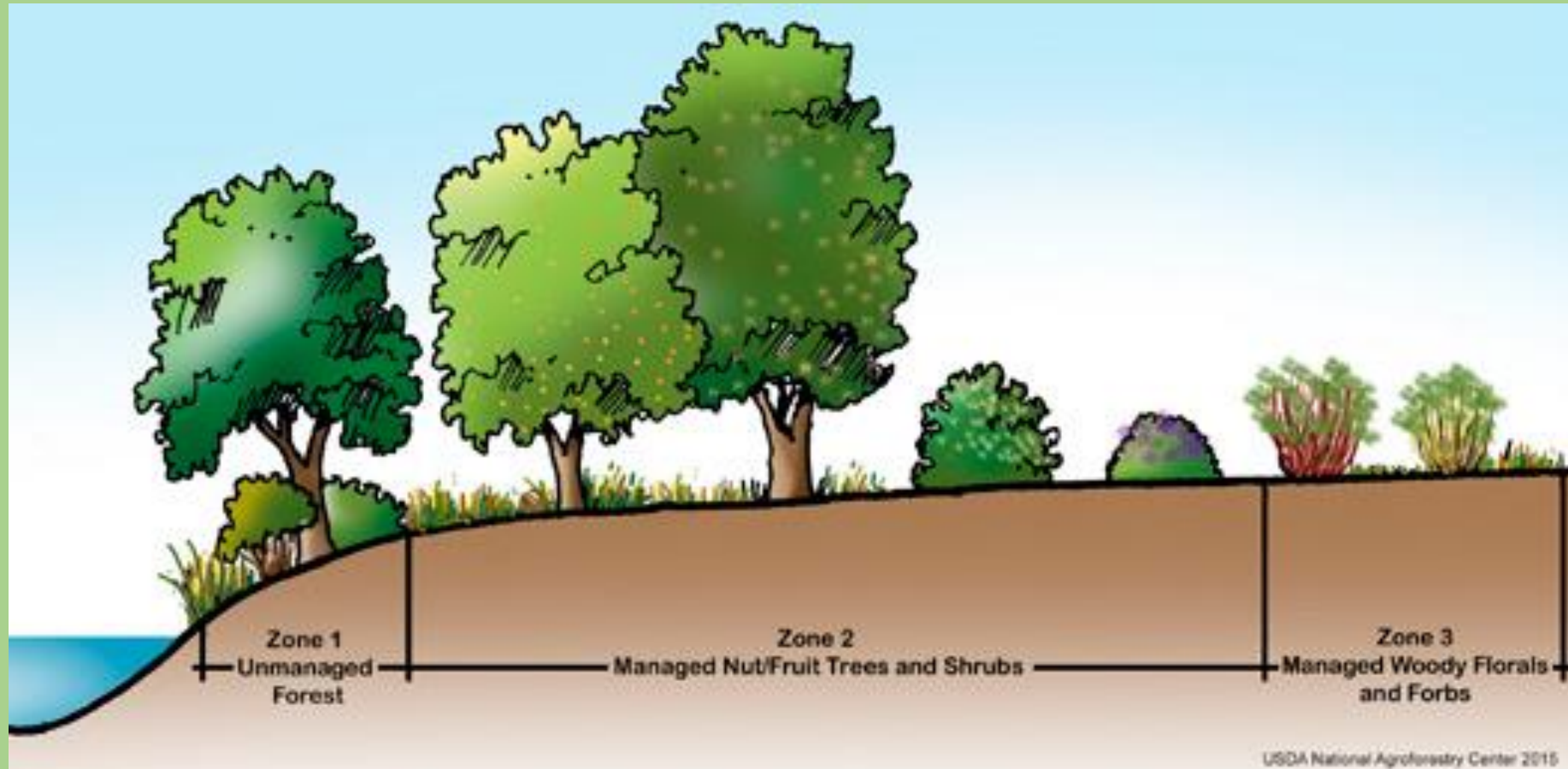
Why Multi-Functional Riparian Forest Buffers ?

- Provides greater flexibility
- Opportunity to produce an income from the buffer or harvest for personal use
 - *While still providing all the ecological benefits!*
- Works for a broader set of landowners
- Addresses long-term maintenance concerns



Source: Katie Trozzo, Va Tech

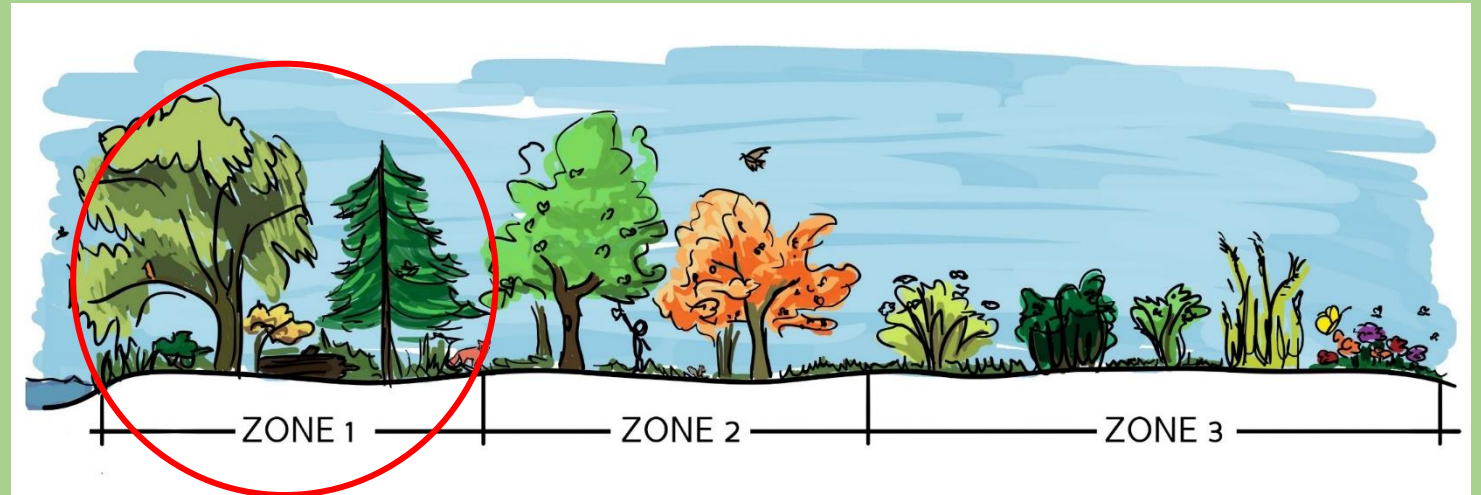
Multi-Functional Buffer Design



Zones 2 and 3: planted with different species and at expanded widths to incorporate perennial crops of fruits, nuts, and floral trees and shrubs.

Zone 1

- From stream edge out to 15 feet
- Native species only
- *No harvesting*



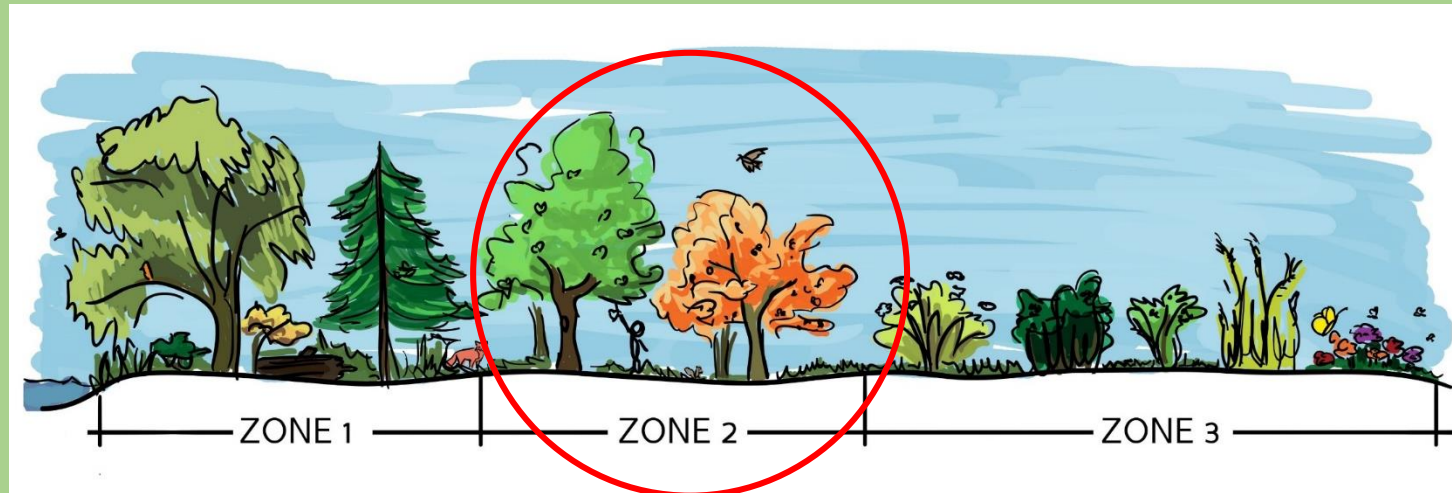
Zone 1 Species

- Black willow (*Salix nigra*)
- Silver maple (*Acer saccharinum*)
- Honey locust (*Gleditsia triacanthos*)
- Eastern white pine (*Pinus strobus*)
- Black gum (*Nyssa sylvatica*)
- Yellow birch (*Betula alleghaniensis*)
- American sycamore (*Platanus occidentalis*)
- Basswood (*Tilia americana*)
- Catalpa (*Catalpa speciosa*)



Zone 2

- From edge of zone 1 out an additional 20 feet (to 35 feet total)
- Fruit and nut trees and shrubs
- *No mechanical harvesting permitted*



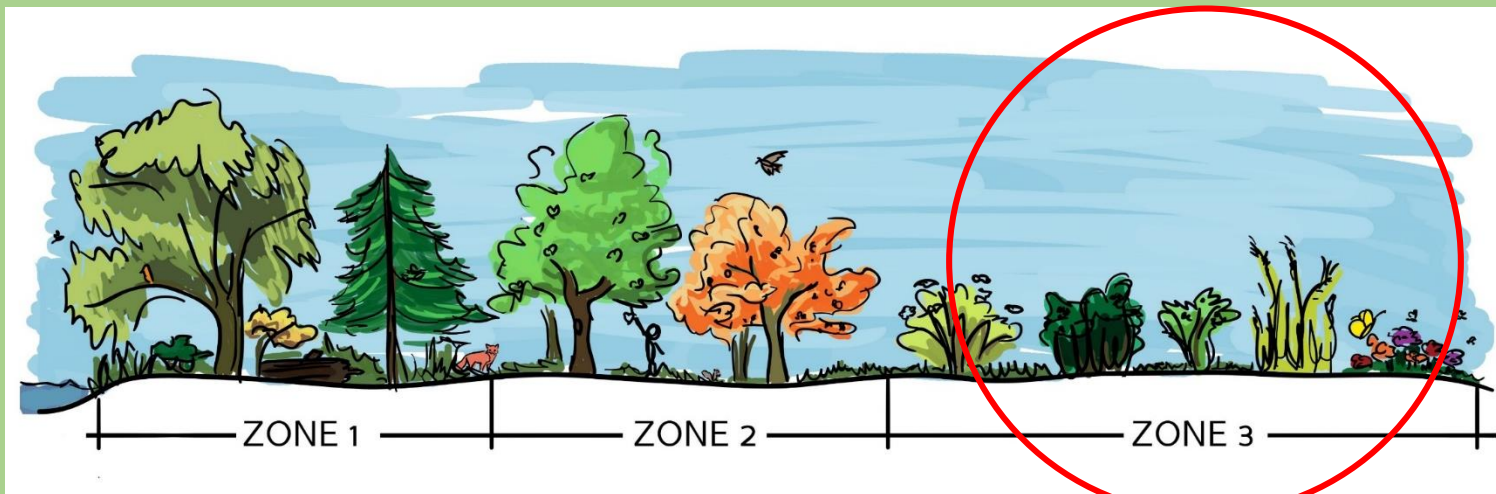
Zone 2 Species

- Serviceberry (*Amelanchier arborea*)
- Paw Paw (*Asimina triloba*)
- Persimmon (*Diospyros virginiana*)
- American hazelnut (*Corylus americana*)
- Crabapple (*Malus coronaria*)
- Black walnut (*Juglans nigra*)
- Common elderberry (*Sambucus canadensis*)



Zone 3

- From edge of zone 2 extending an additional 50 to 100+ feet
- Woody florals and forbs, including biomass crops
- *Mechanical harvesting allowed*



Zone 3 Species



- Red-osier dogwood (*Cornus sericea*)
- Highbush blueberry (*Vaccinium corymbosum*)
- Wild hydrangea (*Hydrangea arborescens*)
- Curly willow (*Salix mastudana*)
- Pussy willow (*Salix discolor*)
- Witch hazel (*Hamamelis virginiana*)
- American beautyberry (*Callicarpa americana*)
- Chokeberry (*Aronia melanocarpa*)
- Black raspberry (*Rubus occidentalis*)
- Switchgrass (*Panicum virgatum*)



Multi-Functional Buffer Example: Black walnut



- May have existing trees on site
- Nuts 5-8 years after transplant
- Green hulls for tinctures
- In-shell prices \$9.25/lb.
- Shelled retail \$12.00/lb.
- Nut oil \$8.00/8 oz.
- Co-op opportunity

Source: Leslie Horner PSU

Multi-Functional Buffer Example: Woody Florals

- Redosier dogwood, pussy willow, etc.
 - Cuttings: \$0.37-0.45/stem retail, some species up to \$6/stem
 - Wreaths: \$45+ each retail
- Willows can generate up to \$56K/acre and live 20+ years

USDA National Agroforestry Center
University of Kentucky



Purpose of the Partnership

- Provide additional funding to support increased RFB efforts across PA
- Engage more diverse partners in RFB work
(for-profit businesses, small watershed organizations etc.)
- Determine feasibility of Multifunctional (income-producing) RFBs
- Partnership will fund an annual grant application period for 3 years (2017-2019)



DCNR & PENNVEST Partnership RFB Grant Program : **Overview**

- Funded by **PENNVEST** (*\$1 million total funding available*)
- **No Min or Max** grant amount
- **No Match** Required
- **Up to 5%** of grant can be used for project planning / administrative costs
- **4 year** grant contract
- **Landowner agreements** required

DCNR & PENNVEST Partnership RFB Grant Program : **Eligible Applicants**

Any Organization or Individual may apply for PENNVEST funding.....

*Municipality / For-Profit Business / Educational Organization /
Non-profit Organization / Private Landowner etc*



BUT, all applicants must prequalify for grant funding

Prequalification period June - Aug

DCNR & PENNVEST Partnership

RFB Grant Programs: **Comparison**

	OPTION 1	OPTION 2
Application Period	Aug. – Sept. 2019	Jan. - April 2019
Funding Source	PENNVEST	DCNR
Eligible Applicant	Anyone: must prequalify June -Aug	Gov't, non-profit, educational institutions
Grant Amount	No min / no max	\$50,000 min / no max
Match Requirement	No match	50 / 50 match
Eligible Expense Details	Up to 5% of grant for planning/admin	No cap on planning / admin
Landowner Agreement	Yes--25 years	Yes--25 years
Contract length	4 years	4 years
Grant Management	DCNR	DCNR

DCNR & PENNVEST Partnership

RFB Grant Program : **Prequalification**

Non-profit / Government

(local governments, municipal authorities, county conservation districts, or other not for profit entities)

- Last 3 years complete financial statements prepared by an independent CPA
- If CPA prepared statements are not available:
 - Last 3 years of Federal Income Tax Returns *(Form 990, 1120H)*
 - OR
 - *(for municipalities)* 3 years of Annual Financial Reports submitted to DCED

Private / For Profit

(Corporations, Partnerships, Sole Proprietorships)

- Last 3 years complete financial statements prepared by an independent CPA
- If CPA prepared statements are not available: Last 3 years of Federal Income Tax returns *(Form 1120, 1120 S; Form 1065, or Personal Form 1040)*
- Details of long-term debts, with outstanding balances, maturity dates and currently monthly principal and interest payments
- **Sole Proprietorships:** personal 1040's for the last 3 years and a current personal balance sheet of the proprietor

DCNR & PENNVEST Partnership RFB Grant Program : **Eligible Activities**



- Landowner Outreach*
- Buffer Design*
- Site Preparation
- Buffer Installation
- Materials
- Post-Planting Establishment

***NOTE: Up to 5% of the grant amount can be used for project planning and administration**

DCNR & PENNVEST Partnership RFB Grant Program : **How to Apply**

Application Period Open: **August 1 to September 28, 2018**

- Prequalify! **June 18-Aug 31, 2018**
- Grant application online portal
- Project Location
- Narrative information
 - Project scope
 - Qualifications
 - Methodology / Outreach
 - Maintenance / Management
 - Acreage
- Project Budget



Next Steps

To Prequalify	Submit prequalification information to DCNR	Kelly Rossiter krossiter@pa.gov
To Apply	Start an application via the online grant portal	www.grants.dcnr.state.pa.us
For More Information or Questions	Contact DCNR Staff BRC Regional Advisors	Kelly Rossiter krossiter@pa.gov (717) 772.3319 Teddi Stark c-tstark@pa.gov (717) 787.0656 Tracey Coulter trcoulter@pa.gov (717)783-0381



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