

PA 2-Year RFB Work Plan



Leadership & Collaboration



Funding & Resources



Communication, Outreach & Technical Assistance



Planning to Prioritize Efforts



Leadership & Collaboration

Land Studies

RFB Advisory Committee

- Purpose: share success, collaborate, and advise agencies
- Agencies, non-profits, agbusiness, academia
- Topics: outreach, prioritization, multifunctional buffers, emerging science, & technology

Lancaster County Conservation District Stroud Water Research Center The Nature Conservancy **Brandywine Conservancy Western Pennsylvania Conservancy Chesapeake Bay Foundation** Alliance for Chesapeake Bay **Lancaster Farmland Trust Foundation for PA Watersheds Pennsylvania Association for Sustainable Agriculture Upper Susquehanna Coalition Pennsylvania Forestry Association American Rivers The Pennsylvania Horticultural Society Natural Lands Trust** Chesapeake Conservancy Farm Bureau Penn Ag Williams Forestry

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Funding and Resources

DCNR Pilot Grant Program

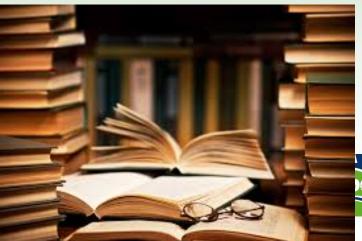
- Complement, but not duplicate, existing programs –
 CREP, EQIP
- Provide greater flexibility in landowner eligibility, buffer designs, widths, plant species
- Offer income-producing opportunities through multifunctional buffers



DCNR's RFB Grant Program: Eligible Applicants

- Municipality
- Councils of Governments
- Municipal Authorities
- Educational Organizations
- Non-profit Organizations







Unpblog.com / Brand2global.com

DCNR's RFB Grant Program: Eligible Activities

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

Minimum Buffer Width: 15 feet







What Are Multifunctional Buffers?

Buffers that serve functions beyond conservation





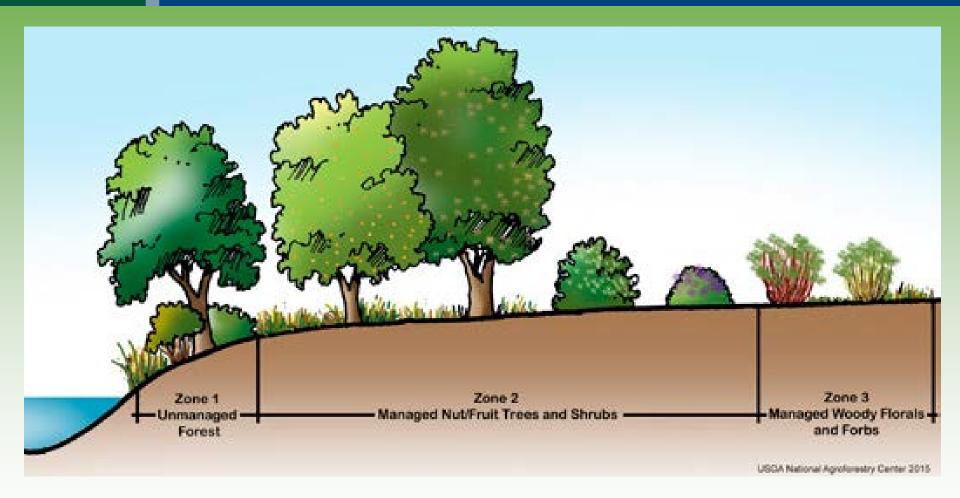




Slide Source:

www.dcn

Multi-Functional Buffer Concept





Multifunctional Buffers Concept: Making Stream Buffers Fruitful





Lamonte Garber, watershed restoration coordinator at Stroud Water Research Center, looks across a riparian buffer that Don and Ann English installed in Stewartstown, Pennsylvania. The Englishes used plants that could produce food for humans and wildlife, and that would increase the diversity of species

Making Stream Buffers Fruitful Couple Grow Human, Wildlife Food in Conservation Strip

PHILIP GRUBER Staff Writer

STEWARTSTOWN, Pa. - Putting land into a riparian buffer does not have to mean taking it com-

pletely out of food production. Don and Ann English grow berries, tree fruit and other food products in a 4-acre stream valley they planted on family land in western

ouffer," said Ann English, a land-

scape architect. She designed the aging in his youth. 4-acre buffer, which is in USDA's

The couple led a tour of the buffer on Oct. 15 sponsored by the Pennsylvania Association for Sustainable Agriculture.

Growing people food and wildlife food was an important goal of the buffer, said Don English, an "There's a lot of diversity in this economist for the U.S. Forest Service who did a lot of woodland for-

In its first five years, the buffer Conservation Reserve Enhance- has yielded blueberries, elderberries, hazelnuts, persimmons, serviceberries and chokeberries.

> Don English even tapped three black walnut trees for sap. The syrup he produced had a smoky, woody taste that would go well with buckwheat pancakes, he said.

As the buffer matures, the Englishes could get honey from their More BUFFERS, page A3

He

DCNR's RFB Grant Program: Typical Funding & Timing

- Funded by Keystone Rivers Funding
- Minimum grant amount: \$50,000
- Minimum TOTAL project cost: \$100,000
- 50/50 Match Required



- 4 year grant contract
- Current Round: Open until April 12th @ 4pm.
- Grant Announcement: late 2017

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DCNR's RFB PILOT Grant Program Grantees

- Adams County Conservation District
- Allegheny County Conservation District
- Alliance for the Chesapeake Bay
- Blair County Conservation District
- Brandywine Conservancy
- Clearwater Conservancy
- Juniata County Conservation District
- Mifflin County Conservation District
- Natural Lands Trust
- Snyder County
- Stroud Water Research Center
- The Land Conservancy for Southern Chester County
- Wildlands Conservancy

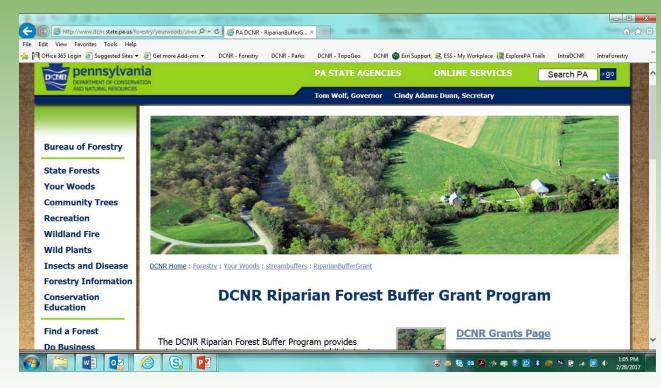
2016 Pilot Round: 26 applications / \$2.3M request

> 13 awards \$790k funding ~260 acres



Communications, Outreach, and Technical Assistance

- Coordinator and two Watershed technicians
- "Buffer Summit" for existing staff
- Website and factsheets





Planning to Prioritize

- Initial GIS analysis and collaboration with Chesapeake Conservancy
- 2 NFWF Grants
- Reporting and tracking struggles
- Social science and targeted marketing
 - "Prime Prospects" using GIS and consumer data analysis



PA RFB Accomplishments

Year	Acres	
	Annual	Cumulative
2009		43,096
2010	1,129	44,225
2011	2,848	47,073
2012	948	48,021
2013	6,822	54,843
2014	3,616	58,459
2015	77	58,536
2016	6,955	65,491
2025	88,509	154,000

Looking ahead

- Continue the grant program
 - \$2 million in Governor's budget
 - \$1 million from PennVest
- Continue the Advisory Committee
- Reconnect with USDA-NRCS and FSA
- Implement "Prime prospects"
- Outreach campaign
- Improve reporting and tracking
- GIT Multifunctional Buffer project



Multi-Functional Buffer Concept: Forest Farming Example: Ramps



- Harvest --- April
- Planting bulbs --- Mid-March to early April
- Seeds --- August –
 September
- Bulbs up to \$15/lb
- Seeds \$6/50 seeds (\$47/oz)
- Also known as wild leeks



Multi-Functional Buffer Concept: Forest Farming Example: Pawpaw



- Naturally more shade tolerant
- Best production in full sun
- Moist, rich soils
- Plant in spring
- Fruit production 5-7 yrs.
- Cultivars
- Value added products



Multi-Functional Buffer Concept: Forest Farming Example: Black walnut



- May have existing trees on site
- Nuts 5-8 years after transplant
- 1,000 Canker disease
- Green hulls for tinctures
- In-shell prices \$9.25/lb
- Shelled retail \$12.00/lb
- Nut oil \$8.00/8 oz.
- Co-op opportunity



Multi-Functional Buffer Concept: Forest Farming Example: Spicebush



- Shade tolerant
- Moist soils
- Culinary uses
 - Spices
 - Distilleries
 - Breweries
 - Teas





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Sample Income Potential Elderberry & Woody Florals

Elderberry

Berries: \$3/lb retail

• Juice: *\$15-17/ 11oz jar*

• Syrup: \$18/ 4oz jar retail

• Wine: \$10-13/bottle retail

• Cough drops: \$2.50/ 15 retail

Concentrate: \$25 / 375ml

• Cuttings: \$1-2.50 each

Plants: \$5.00 each

Source: Farming the Woods by Ken Mudge and Steve Gabrie USDA National Agroforestry Center University of Kentucky

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Woody Florals

(e·g· Redosier dogwood, pussy willow)

• Cuttings: \$0.37-0.45/ stem (some species up to \$6/stem)

Wreaths: \$45+ each retail

Multi-Functional Buffer Concept: Other Examples



- Chokeberry
- Dogwoods
- Pussy willow
- Curly willow
- Witch hazel
- Blueberry (acidic sites)
- Crabapple
- Hydrangea
- Maple Syrup

