

Montgomery County Planning Commission

Connecting People to Places
Southeastern PA Municipality Workshop
September 14, 2019

- What is a greenway?
 - An interconnected system of <u>public</u> and <u>private</u> lands, benefitting from shared <u>stewardship</u> principles
- Benefits of Greenways:







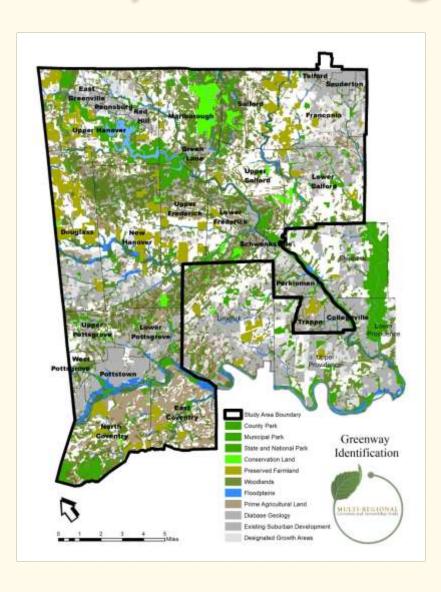








Why A Multi-regional Greenway?

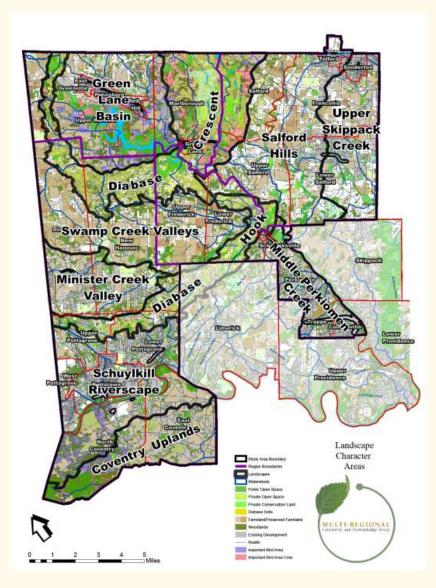


- Multi-regional Planning
 - 4 Regional Planning Areas
 - 26 municipalities
 - 195 square miles (40% of the county)
 - 171,369 people and 66,276 housing units (2010)
 - 200,000 people and 79,841 housing units by 2030
- Regional plans create framework for growth management
 - Designated growth areas
 - Rural resource areas

Study Scope

Overall Framework:

- Types of Greenways:
 - Natural Resource Greenways
 - Main Street/Village Greenways
- Establishing Greenways
 - Appropriate resource protection ordinances
 - Preservation through growth management
- Managing Greenways
 - Stewardship
 - Improving the management of public and private lands
 - Improving downtowns for economic development

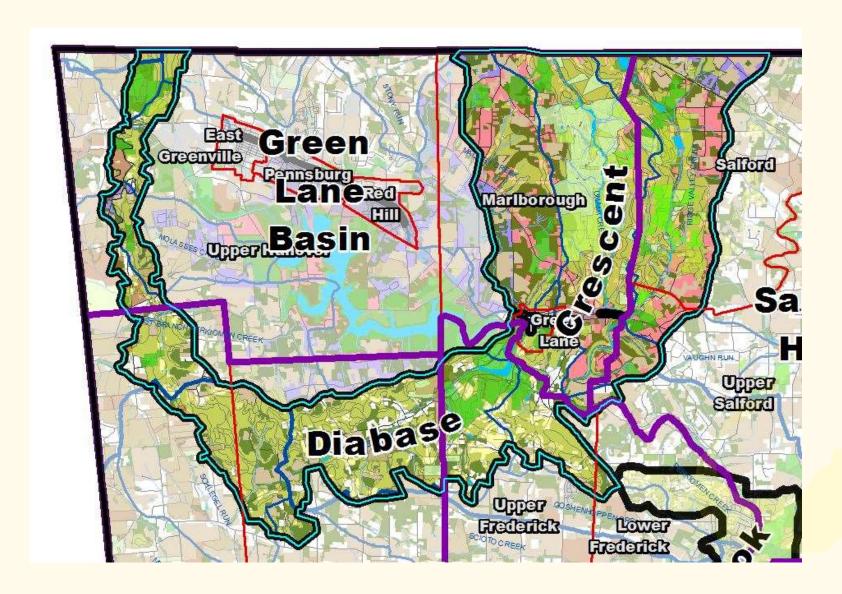


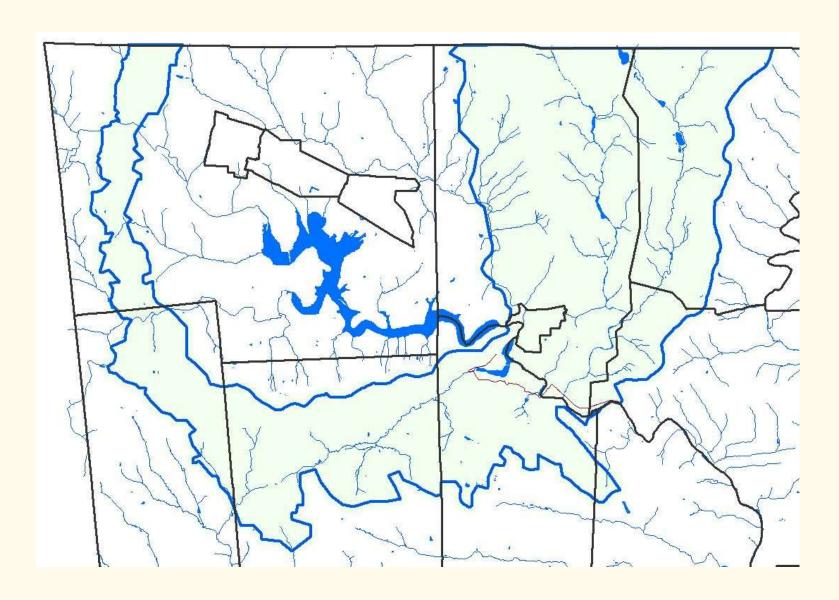
- Established Landscape
 Character Areas
- Delineating Greenways
 - Protected lands
 - Primary resources (floodplains, wetlands and steep slopes)
 - Riparian areas
 - Continuous tree canopy
 - Priority management areas

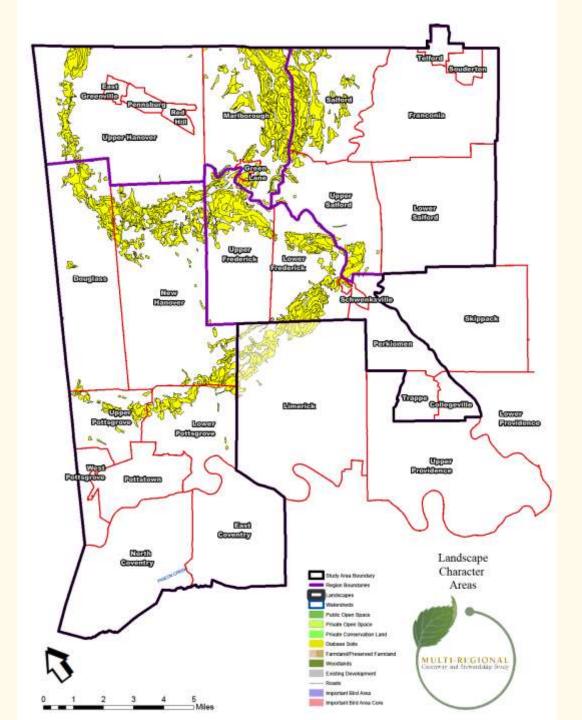


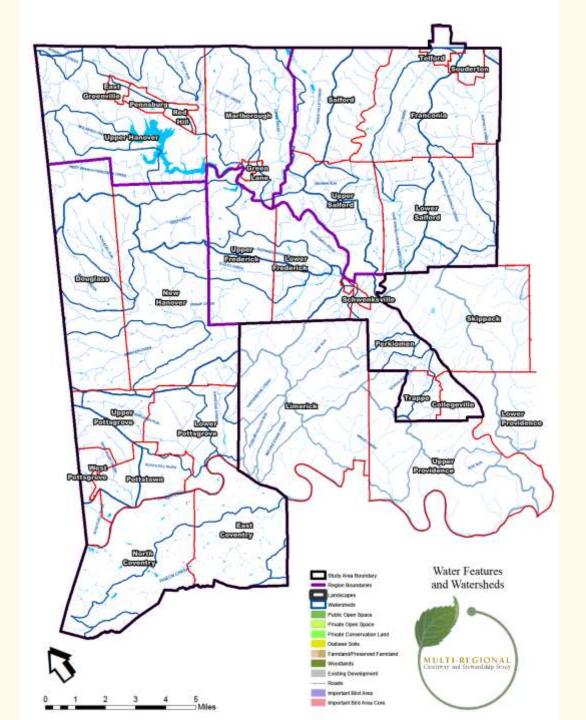
Priority Management Areas

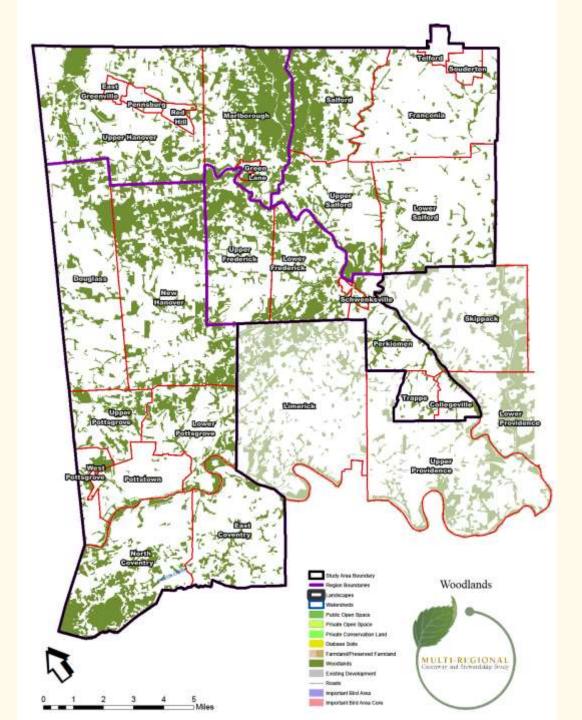
- Greenways exist on both public and private lands
- Shared stewardship needed to maintain and enhance them
- Respectful of private landowners
 - All properties are part of a larger system
 - The degree landowners manage their property (or not) in a way that contributes to the greenway is their choice
- Use Growing Greener approach to delineation
 - Properties > 10 acres
 - Guidance on 50% of properties having concentrated resources

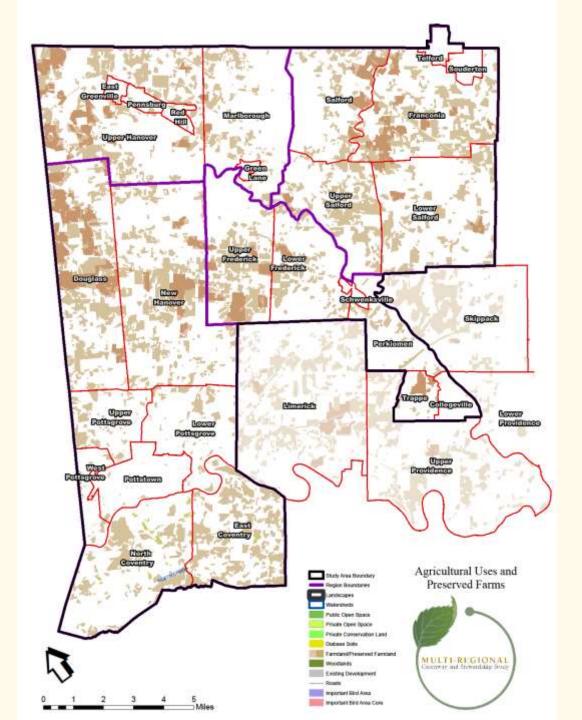


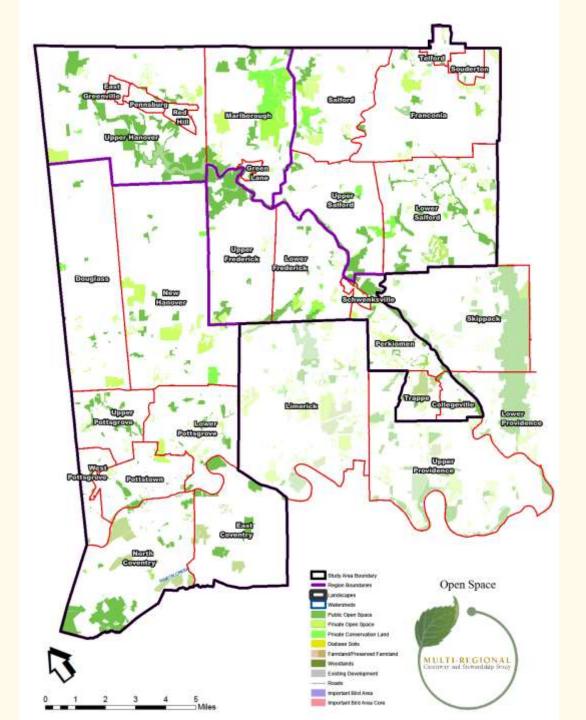


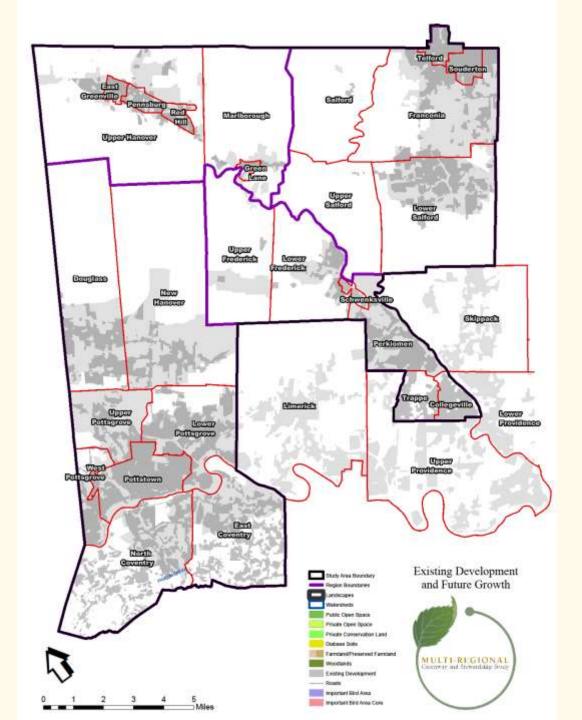


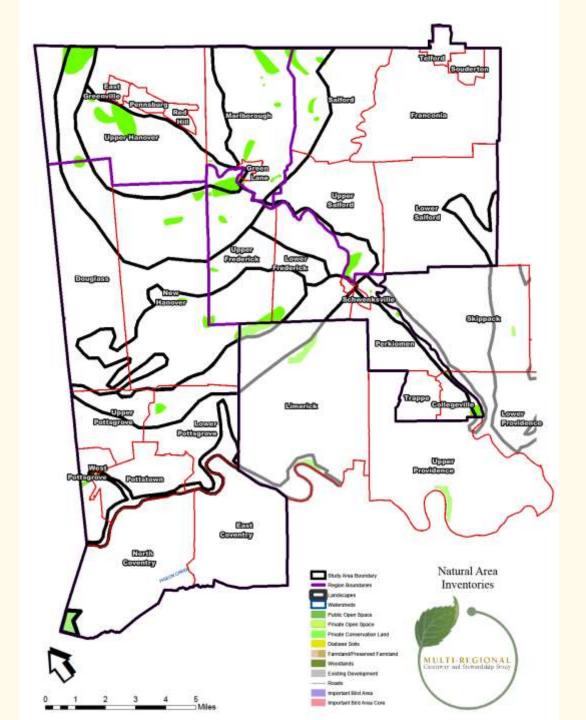


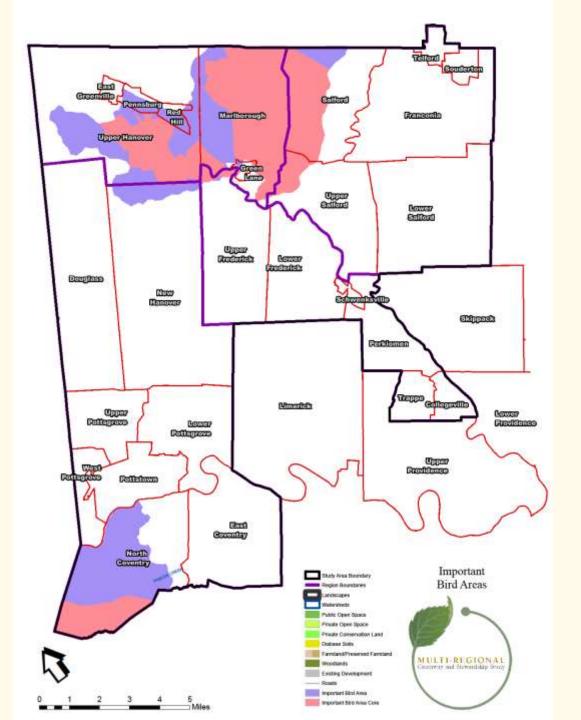


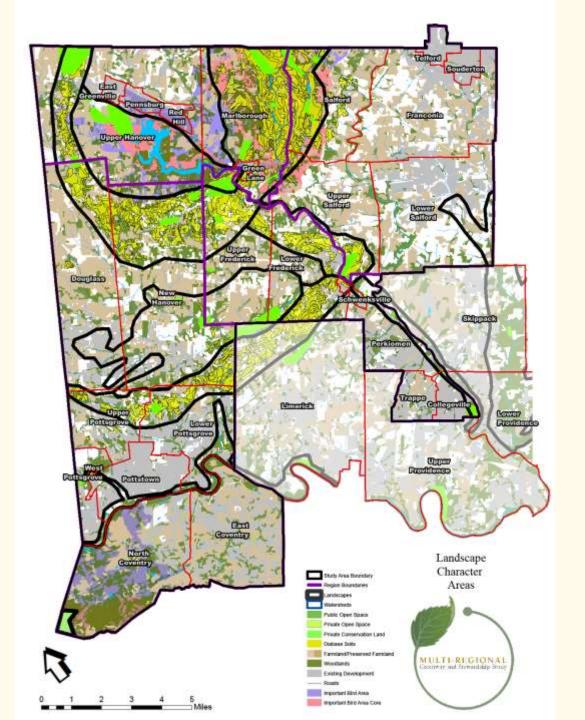


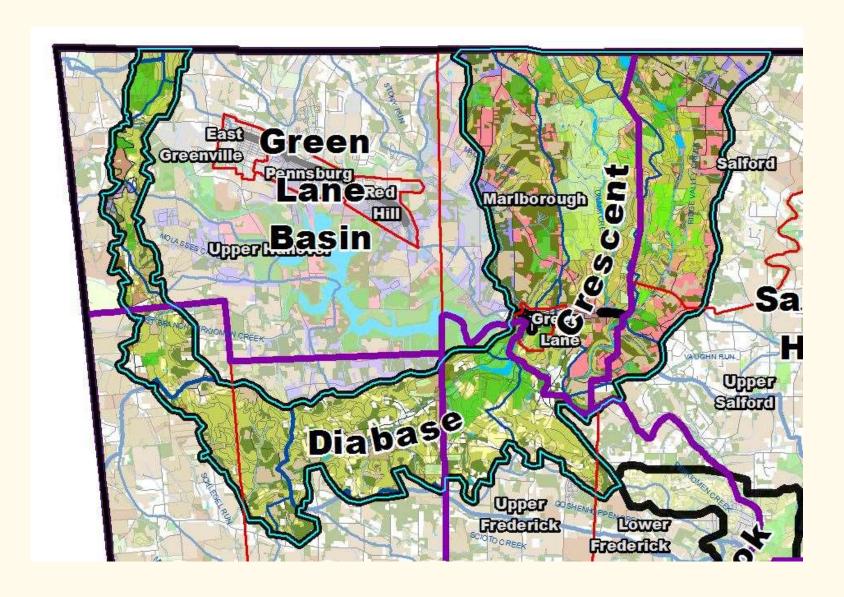








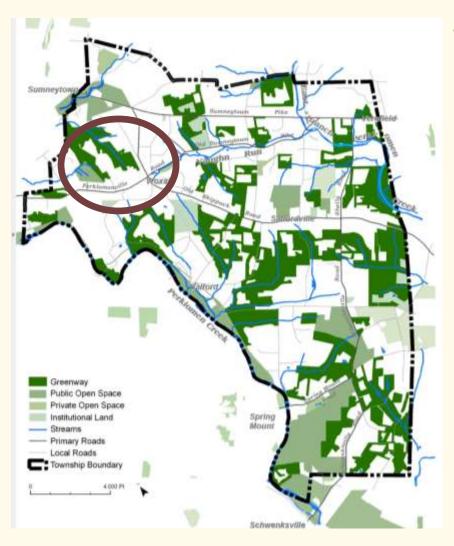






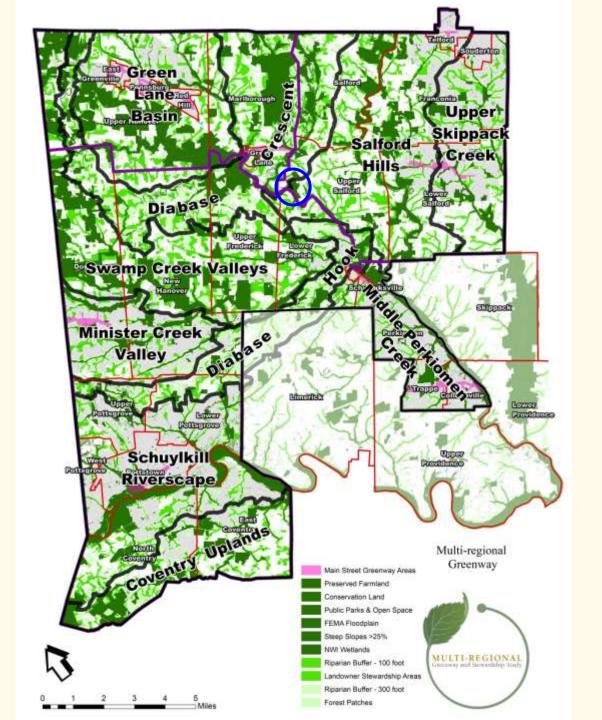
Building the Greenway

- Landowner Stewardship Zones
 - Use landscape priorities
 - Parcel analysis
 - Contiguous greenway
 - Consider developable areas
 - Stewardship guidance
 - Recommend conservation subdivision



Building the Greenway

- The greenway area on each property, when combined with all the others, creates a network throughout the community
 - Municipal guidance during review of a subdivision/land development
 - Guidance for park acquisition
 - Help with grants
 - Guidance for trail locations
 - Stewardship guidance

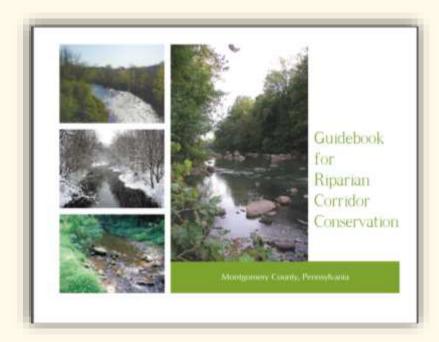


Strategic Framework:

- Conserving Greenways
 - Appropriate resource protection ordinances
 - Riparian buffers
 - Floodplain conservation
 - Stormwater management
 - Landscaping requirements
 - Growth management
 - Conservation subdivision
- Managing Greenways
 - Stewardship
 - Land Management on public and private lands

Riparian buffers

- Surface water feature and minimum corridor width for perennial streams:
 - Zone 1: 25 feet from defined stream edge
 - Zone 2: 50 feet from the outer edge of Zone 1, or equal to the extent of the 100-year floodplain, or 25 feet beyond the outer edge of a wetland along the stream, whichever is greater.
- Total minimum width of Zones 1 & 2 = 150 feet plus the width of the stream.
- Similar regulations for intermittent streams, wetlands and ponds

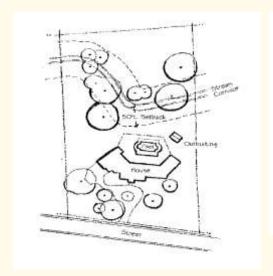


Floodplain conservation

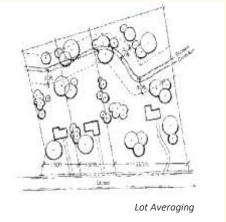
High Standards (it's a model)

- Exceeds FEMA minimum requirements
- Prohibits construction and fill in the floodplain except by variance

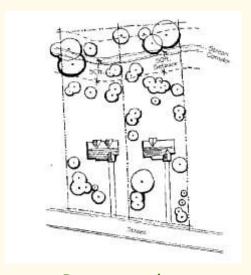




Locate improvements outside the Floodplain



Lot averaging accommodates the meandering stream



Deep, narrow lots avoid the floodplain

Stormwater and landscaping requirements

Stormwater

Naturalizing basins Meadows and Trees

Landscaping

Buffers
Open space requirements
Open space treatment







Conservation subdivision

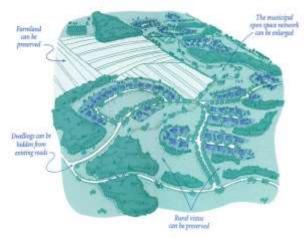
- No increase in number of lots
- Lot size reduction (2 acre lot : ¼ acre lot)
- Each lot has direct access to preserved open space

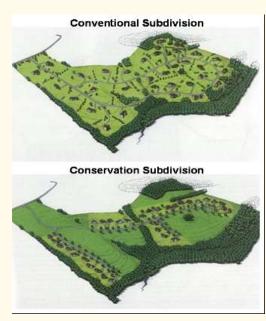
Process:

- Resource areas delineated and preserved
- Housing sites identified
- Lot lines and roads added

Municipality requires connectivity of adjacent open space parcels through zoning







Randall G. Arendt's Conservation Design for Subdivisions





Recommendations Include:

- Sidewalks, crosswalks, bump-outs, ADA ramps
- Street trees and streetscape treatments
- Stormwater BMPs, including rain gardens, and vegetated swales



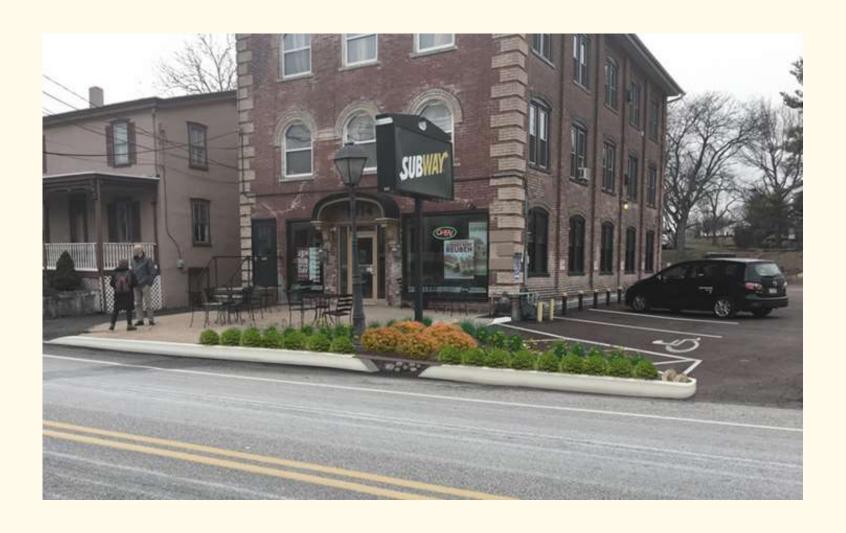
- Linear features street trees, streetscapes
- Crosswalks and pedestrian amenities
- Vegetation is a unifying feature



- Trees can't always fit in the space – parking, visibility.
- Vegetation to identify the corridor
- "Green relief"
- Stormwater BMPs, including rain gardens, and vegetated swales







Can improve safety where corridors cross roads

Before



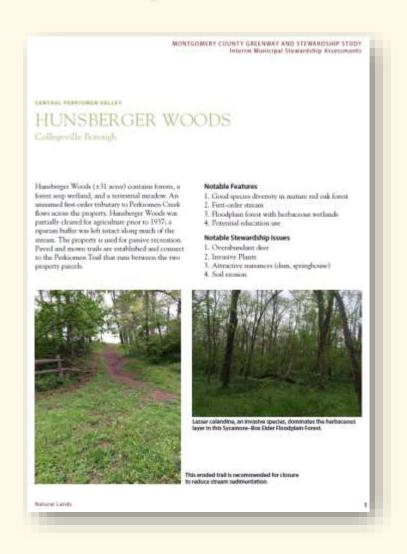
After



Stewardship Assessments (NLT)

- NLT conducted assessments of 36 municipal sites and Green Lane Park
- Prepared reports for each park assessment and a management plan for Green Lane Park
- Developed a Stewardship Guidebook to be used by municipalities and private landowners

Municipal Site Assessments



Stewardship Assessments:

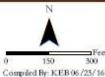
- 36 sites assessed across 4 regions, variety of uses and types of vegetation
- Built and natural resources
- List of dominant vegetation
- Stewardship priorities
- Implementation schedule
- Features and issues map
- Photographs





Stewardship Features and Issues

Hunsberger Woods (+/-29 acres) Tax ID: 040001399055; 040000535001 Collegeville, Montgomery County, PA



Municipal Site Assessments

Recommendations Include:

- Specific issues
- Applicability
- Recommendations
- Seasons/timing
- Who implements

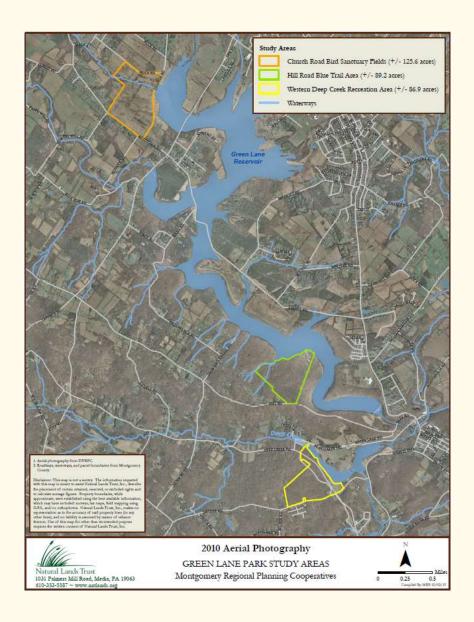
priority1	stewardship issues	mgmt unit	stewardship recommendations ²	season/duration	to be implemented by ³
î	Deer Management	All MUs	Implement a Deer Management Program	Anytime	Municipal Staff
			Monitor for deer impacts	Anytime	Municipal Staff
1	Invasive Plant Control Program	All MUs	Create an Invasive Species Management Program	Anytime	Municipal Staff
1	Hazard Trees	MUI	Identify and remove hazard trees	Anytime	Contractor or Municipal Staff
			Conduct monitoring annually and after severe storms	Yearly	Municipal Staff or Contracto
31	Property Boundary Establishment and Monitoring		Survey and post boundaries	Anytime	Municipal Staff
			Monitor boundaries	Yearly	Municipal Staff or Volunteers
1	Emerald Ash Borer	MU1, MU2	Monitor for Emerald Ash Borer	Anytime	Contractor or Municipal Stat
			Contact the Bureau of Forestry for recommendations for ash treatment	Anytime	Municipal Staff
			Identify and treat or remove ash trees	Anytime	Contractor
			Replant vegetation in areas of ash mortality	Fall	Municipal Staff or Volunteers
1	Spotted Lanternfly	MUT, MU2	Monitor for Spotted Lanternfly	October-May	Contractor or Municipal Staf
			Remove tree-of-heaven and create trap trees	Removal – see Invasive Species Management below Trap Trees – early Spring	Contractor or Municipal Stat
			Explore other control options as needed such as tree banding or egg scraping.	Dependent on control option	Municipal Staff or Contracto
1	Community Prioritization for Invasive Species Removal	All MUs	Prevent invasive plants from moving into the Terrestrial Meadow (MUT)	See individual invasive species	Municipal Staff, Contractor, or Volunteers
			Control invasive plants in the Red Oak- Mixed Hardwood Forest (MU1)	See individual invasive species	Municipal Staff, Contractor, or Volunteers
			Control invasive plants in the Sycamore–Box-Elder Floodplain Forest (MUZ)	See individual invasive species	Municipal Staff, Contractor, or Volunteers
			Control invasive plants in the Skunk Cabbage Forest Seep (MU8)	See individual invasive species	Municipal Staff, Contractor, or Volunteers

^{1 1 =} high priority; 2 = medium priority, it should be noted that actual implementation order will depend on priority ranking and availability of resources; this is only a recommendation for the order of implementation.

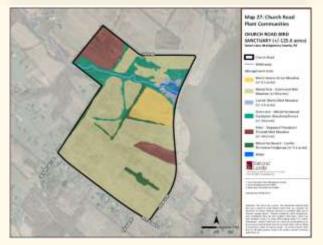
² Recommendations are listed in priority order.

Must have PA Pesticide Applicator Certification to apply herbicides on public property

Green Lane Park Assessment







Stewardship Guide



Stewardship Guide

MONTGOMERY COUNTY MULTI-REGIONAL GREENWAY AND STEWARDSHIP STUD

December 2018



Guide for Municipalities, Property Owners

- Landscape features: forest, shrublands, meadows
- Trails, lawn and landscaped areas
- Active recreation areas
- Agricultural lands
- Invasive plants, exotic pests
- Water quality
- Wildlife Management
- Issues fragmentation, climate change, hazard trees, erosion



Drew Shaw, AICP
Environmental Planning Section Chief
dshaw@montcopa.org
(610) 278-3733
Montgomery County Planning Commission
P. O. Box 311
Norristown, PA 19404-0311
www.planning.montcopa.org