

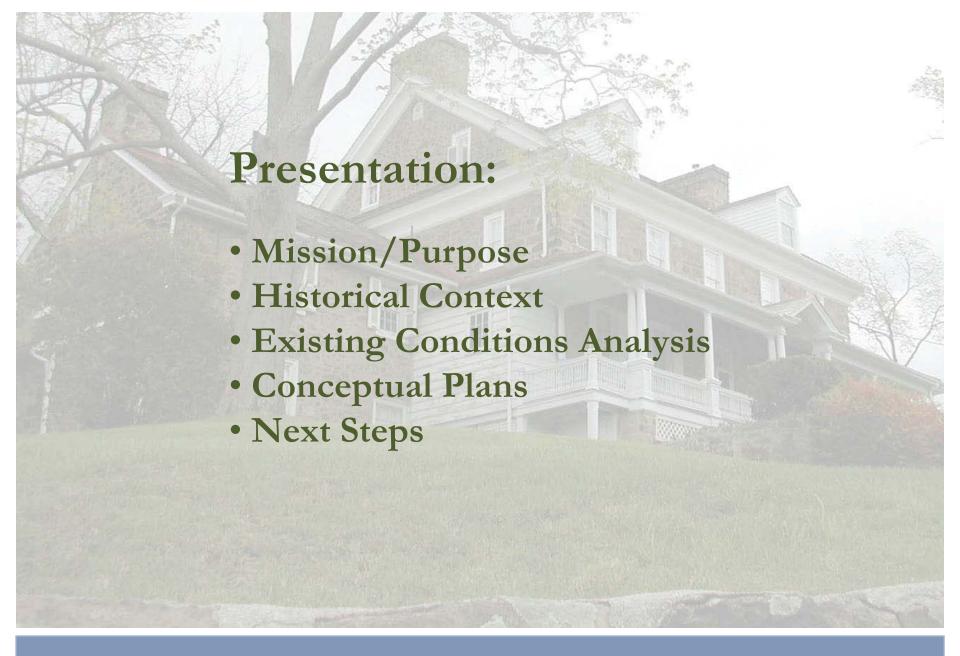
John James Audubon Center at Mill Grove Site and Natural Resources Plan

Public Presentation at Lower Providence Township

Prepared by

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anuary 15, 2009





Mission/Purpose

National Audubon Society and Audubon PA:

"To conserve and restore natural ecosystems, focusing on birds, other wildlife, and their habitats for the benefit of humanity and the earth's biological diversity [in Pennsylvania]."

John James Audubon Center at Mill Grove:

"...to connect people with nature within the special context of a national historic site and through the appreciation of John James Audubon's life and art. In the future the Center will tell the story of the stirring of the American conservation movement and the protection of birds, wildlife and habitat through the compelling art of John James Audubon."

Mission/Purpose Site and Natural Resources Plan for Mill Grove: "...to develop a plan that will include strategies to restore portions of the historic landscape, provide meaningful outdoor experiences for visitors, and significantly enhance habitats for native birds and wildlife."

Mill Grove and Montgomery County

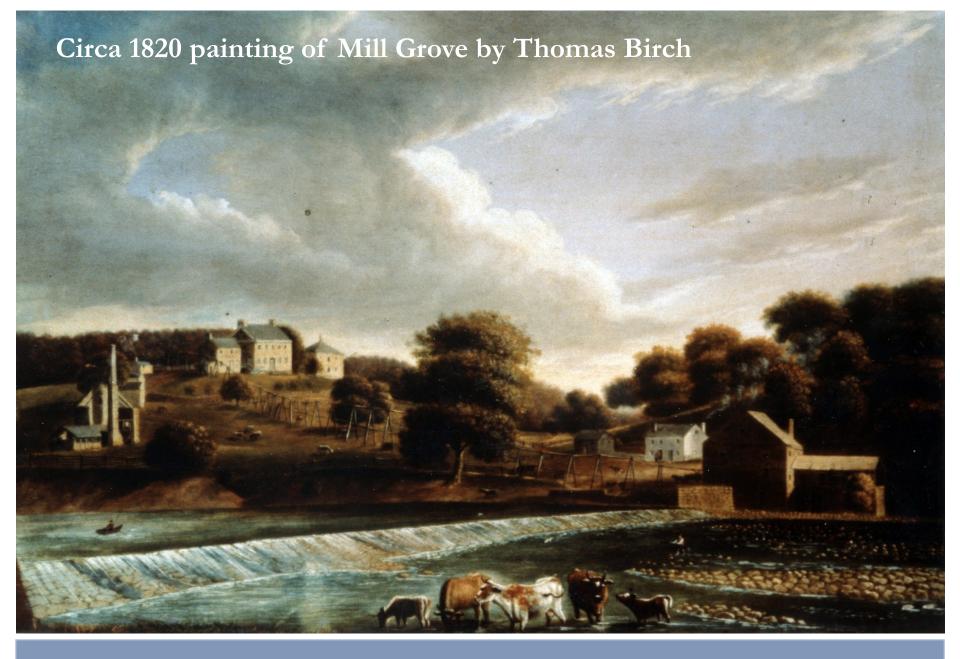
- The 175-acre property is owned by Montgomery County Audubon PA leases the house and 67 acres surrounding it.
- The property is managed by County maintenance staff.
- This Site & Natural Resources Plan includes the entire property.

Mill Grove Process/Timeline

The Site and Natural Resources Plan is one step in the long-term planning for Mill Grove:

- A number of studies/plans for the site have been undertaken over the years.
- A historic overview/assessment of the house was performed in 1996.
- The Site and Natural Resources Plan will be completed in early 2009.





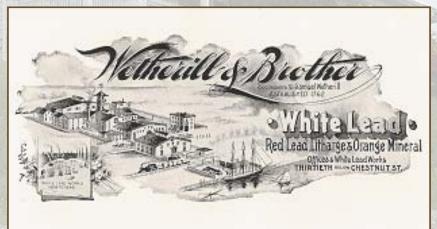
Mill Grove Estate

- •1699 Created by a William Penn land grant

 Estate named for the grist and wood mills
- 1762 House built
- •1789 Purchased by Captain Jean Audubon
- •1803 First home in America of John James Audubon

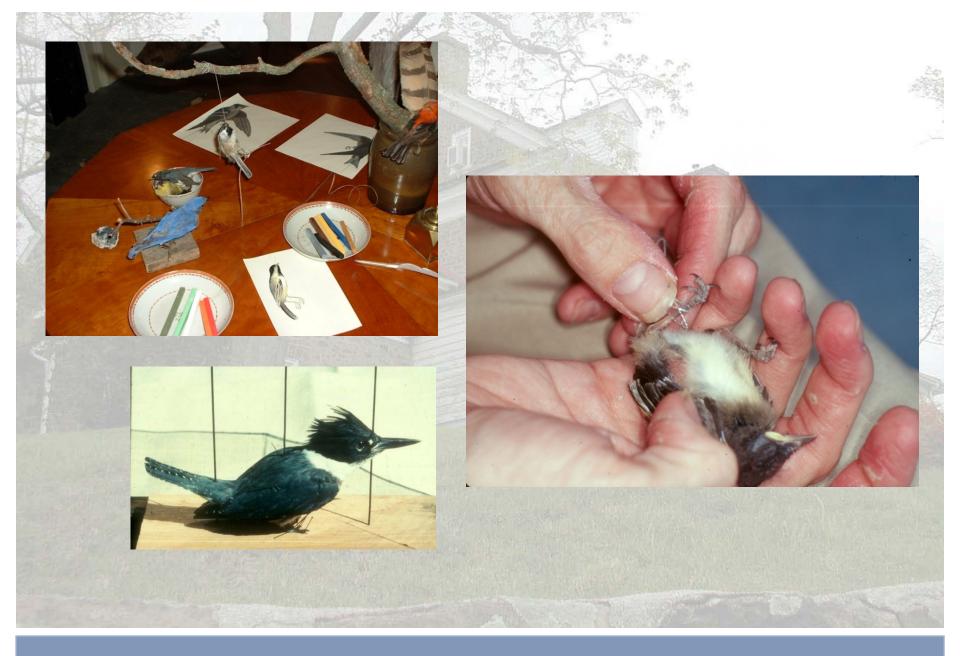


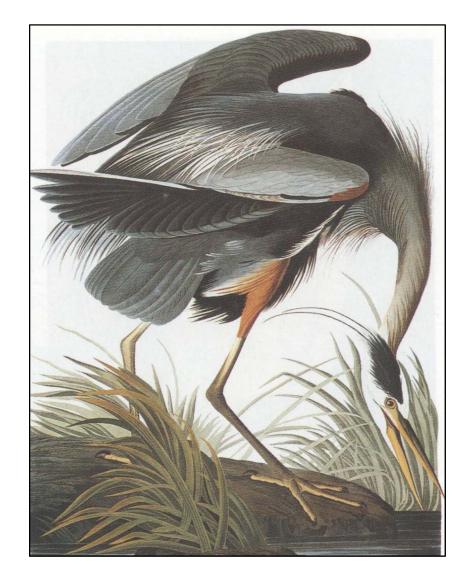




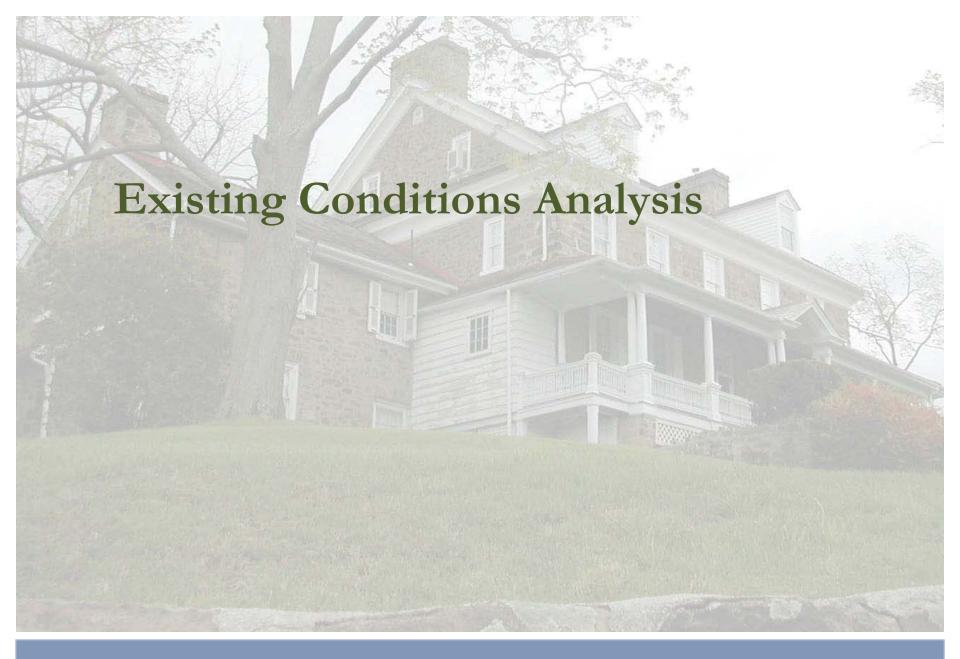


John James Audubon Center at Mill Grove - Site and Natural Resources Plan

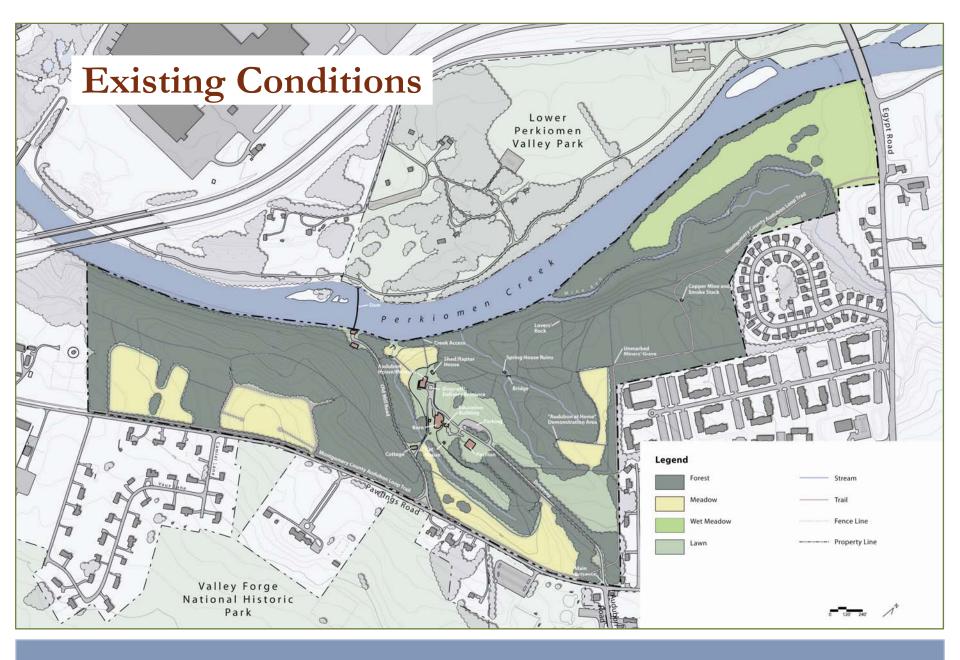


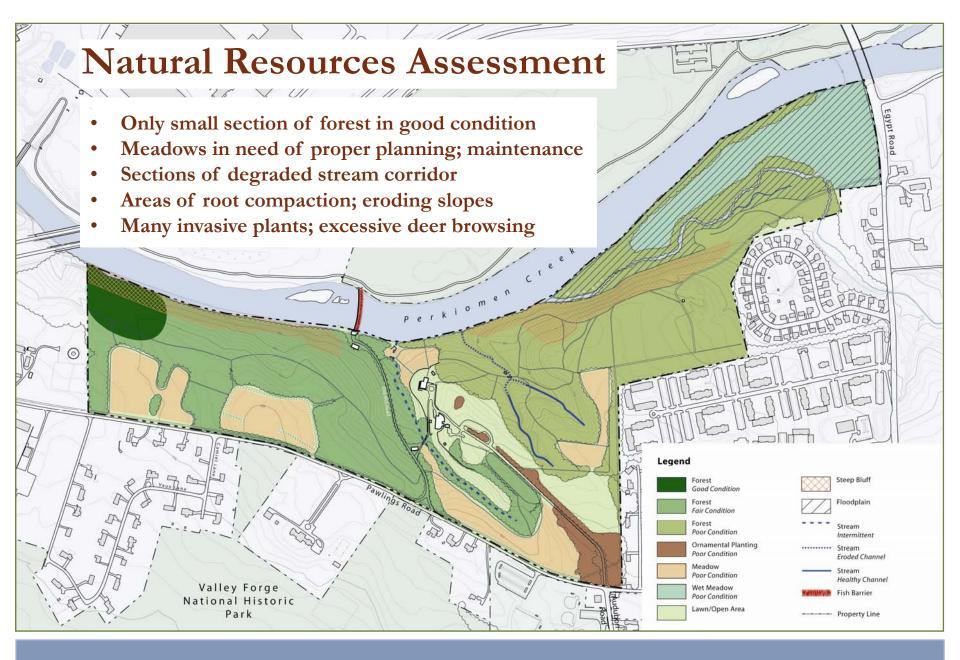


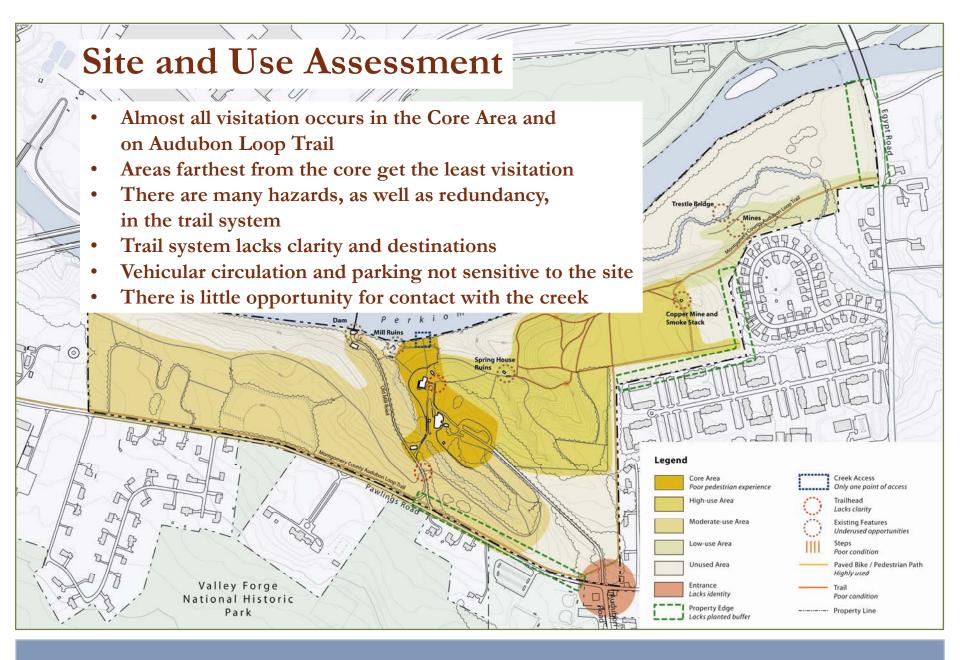




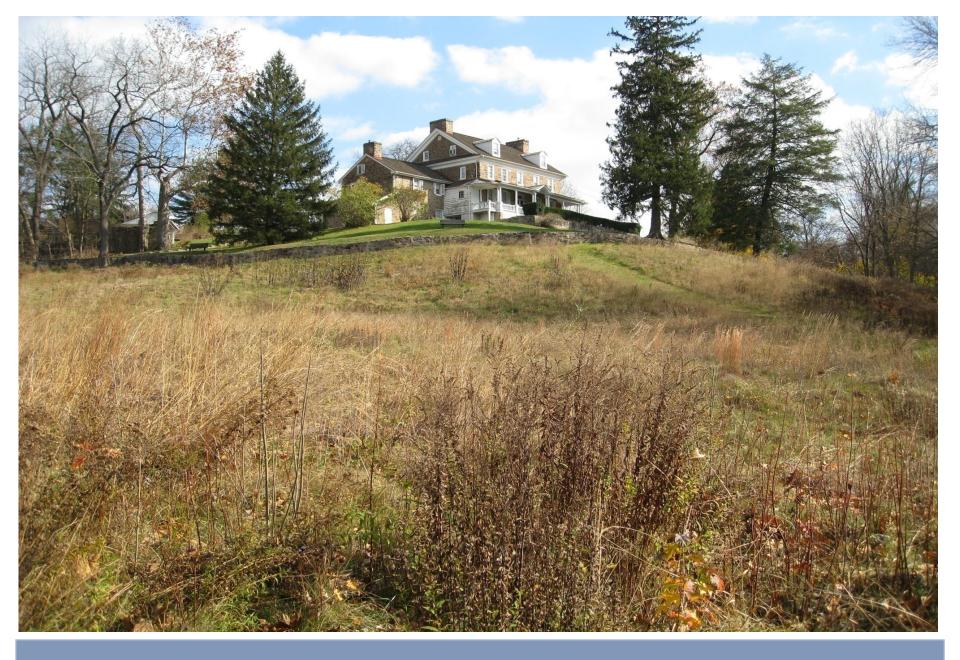




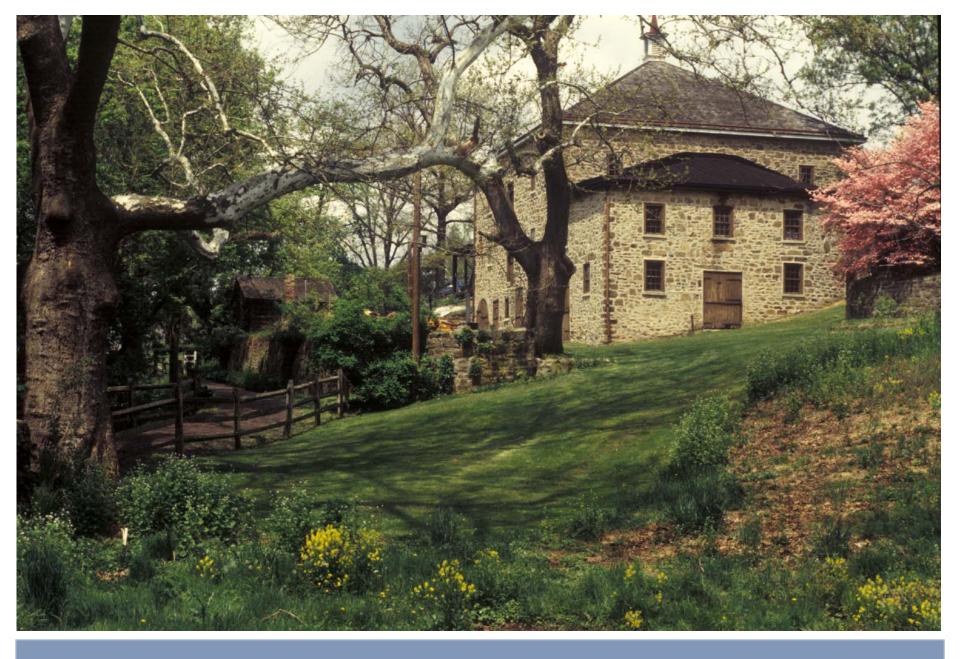








John James Audubon Center at Mill Grove - Site and Natural Resources Plan



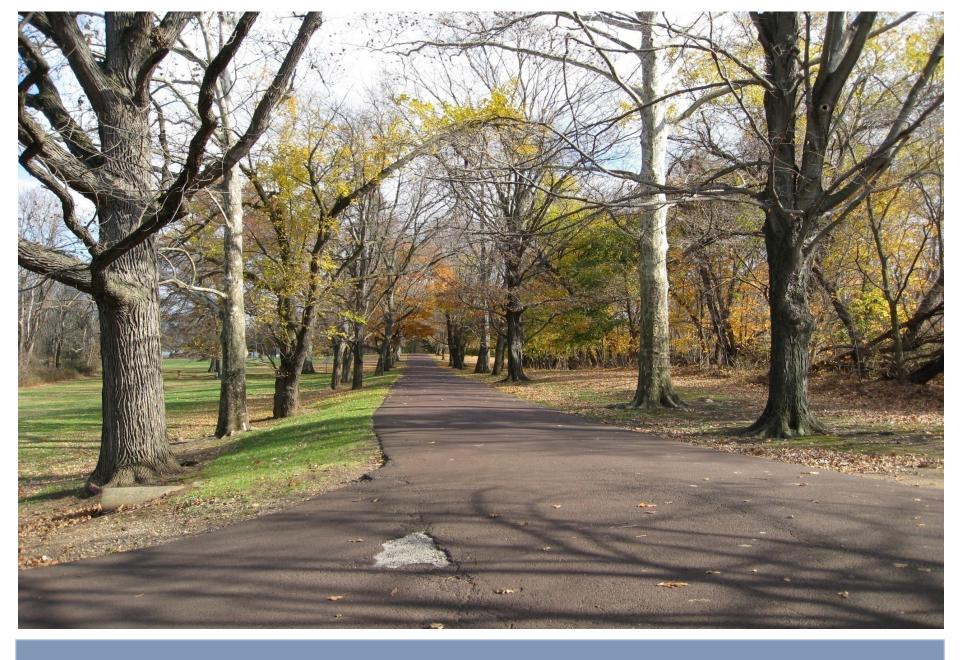
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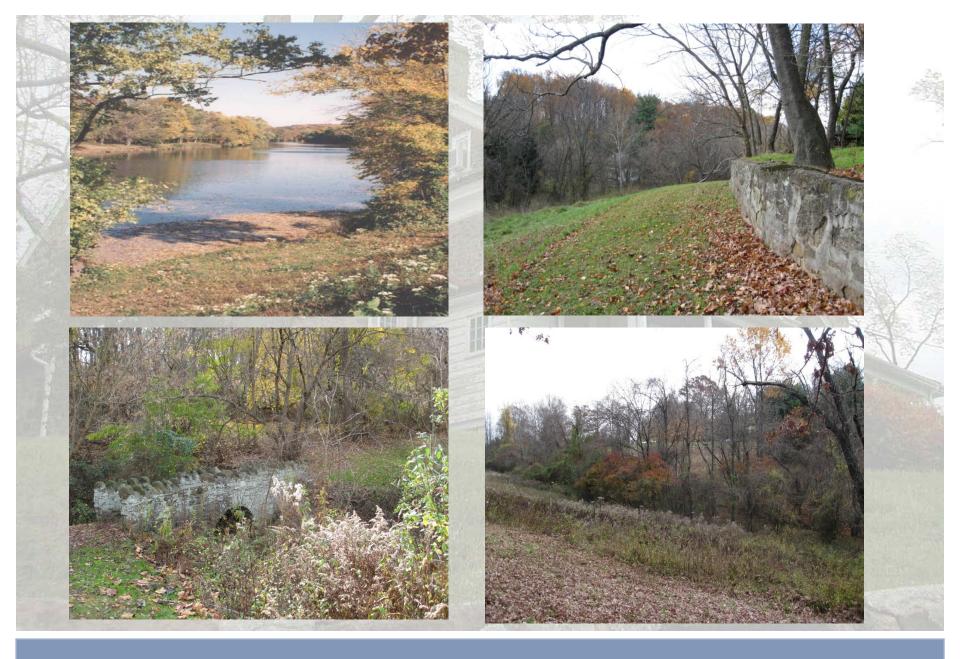


John James Audubon Center at Mill Grove - Site and Natural Resources Plan



John James Audubon Center at Mill Grove - Site and Natural Resources Plan





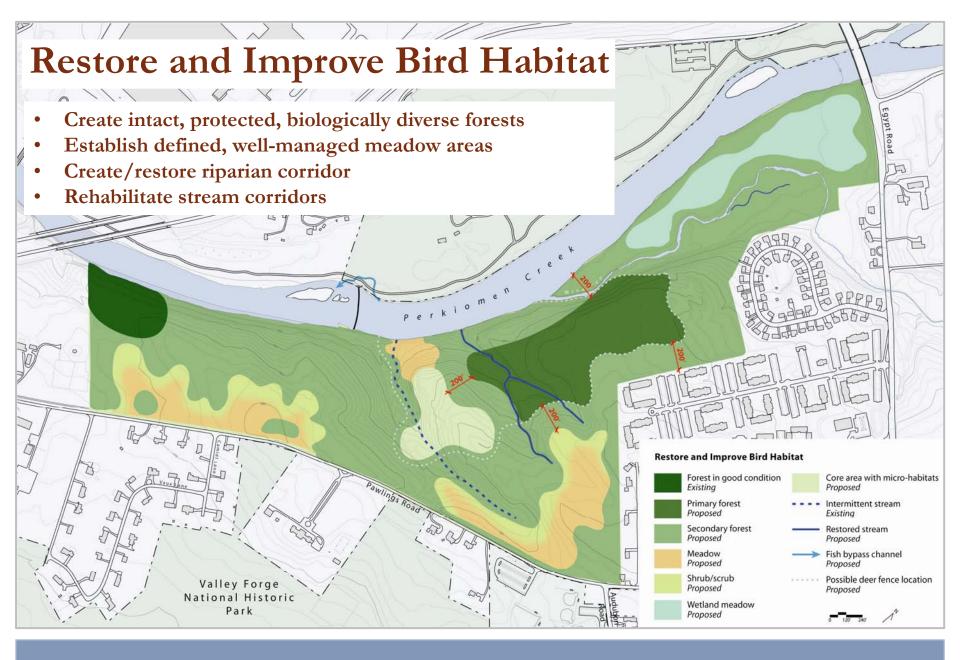
John James Audubon Center at Mill Grove - Site and Natural Resources Plan



Main Actions:

- 1) Restore and Improve Bird Habitat
- 2) Increase Connectivity and Improve Circulation
- 3) Enliven and Enrich the Visitor Experience





Inspirations/Precedents: Stream Rehabilitation





Before After

- Reconstruct/stabilize and plant stream banks
- Use rocks/boulders to form pools and riffles
- Result is improved water quality and the creation of macroinvertebrate, crustacean, amphibian, fish, and bird habitat

Inspirations/Precedents: Meadow Management





- Create native grassland and/or wildflower meadows
- Establish correct management regimen for each: mowing, replanting, etc.

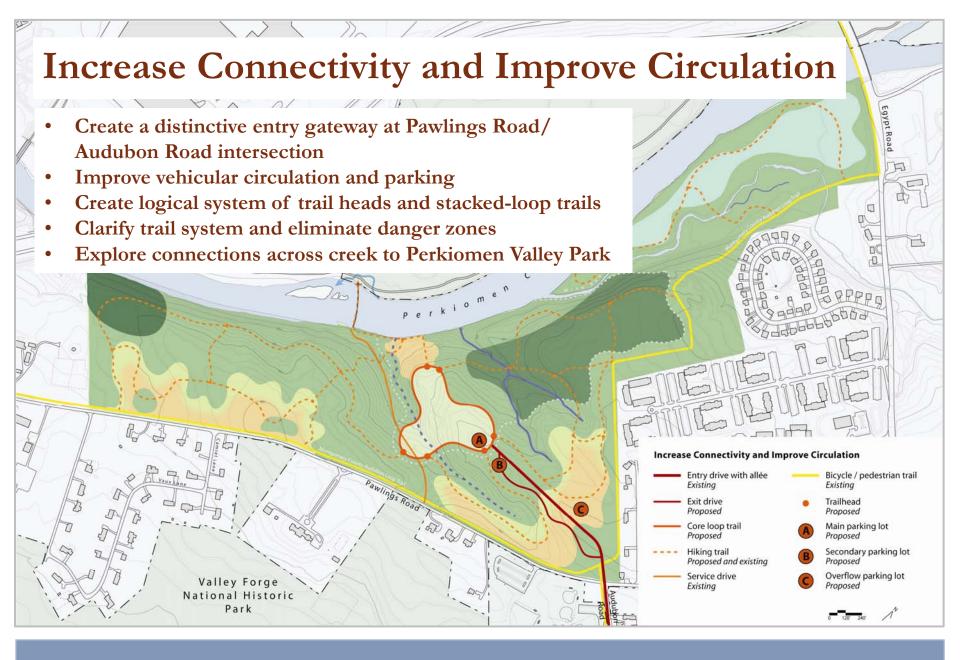
Inspirations/Precedents: Forest Rehabilitation





- Limit Trail Intrusion and Fragmentation
- Manage Deer to Reduce Browsing
- Remove / Control Invasive Plants





Inspirations/Precedents: Circulation



Allee at Ash Lawn-Highland Albemarle County, VA

Inspirations/Precedents: Trails

Trailheads & Signage





Trail Surfaces









Inspirations/Precedents: Pavement Options



Grass Block

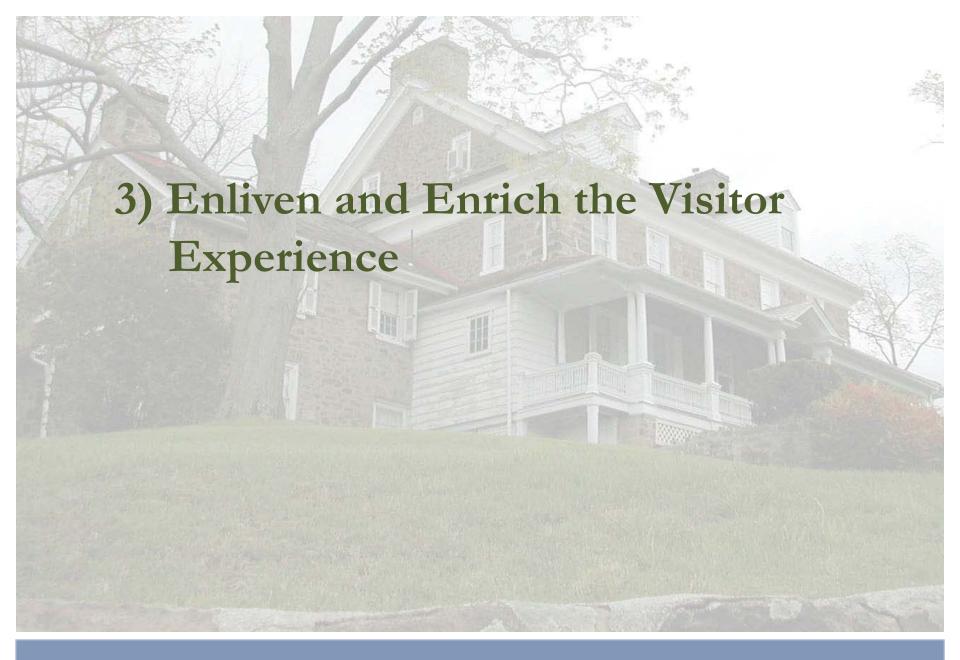
Porous Pavement





Biofiltration Swale with Conventional Paving







Inspirations/Precedents: Education in the Core Area



Butterfly Gardens



Rain Gardens



Snake "Hibernaculum"



Bee Colonies

Inspirations/Precedents: Expanded Contact with the Creek













Inspirations/Precedents: Interpretation









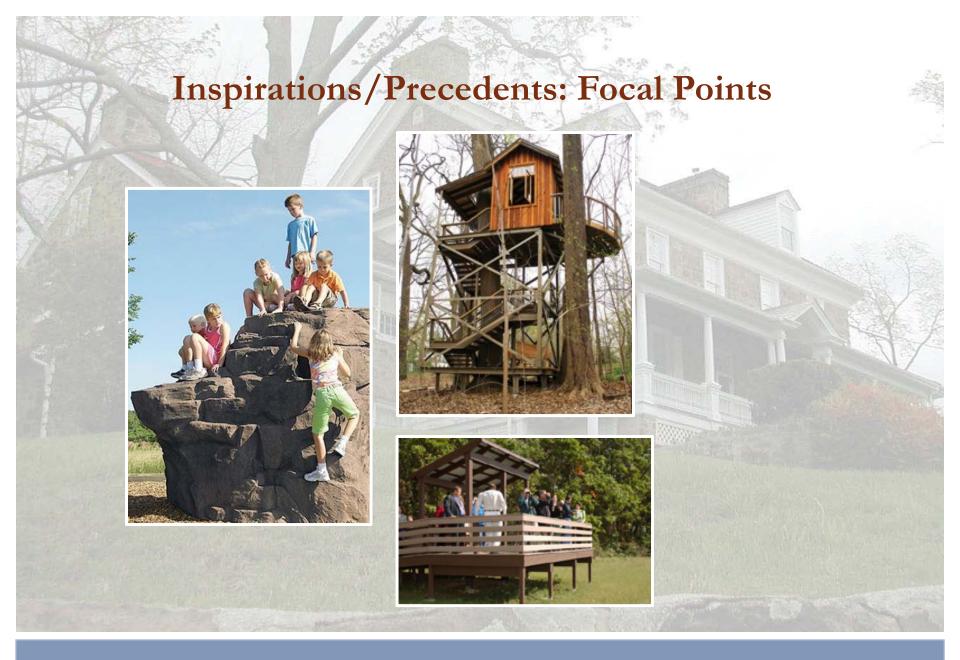


Inspirations/Precedents: Focal Points









Inspirations/Precedents: Platforms & Boardwalks





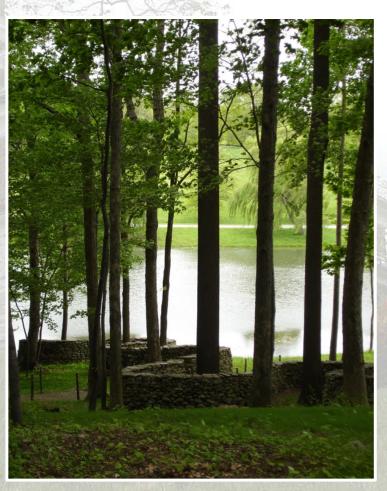




Inspirations/Precedents: Natural Art/Installations







Note: installations such as these would only be appropriate outside the historic core of Mill Grove.



Organizing Concepts for Core Area Plan:

- Clarify circulation (vehicular & pedestrian)
- Define core landscapes and progression of visitor experiences
- Create a strong physical and visual connection to the creek
- Establish a naturalized, less maintenanceintensive, meadow condition in open areas
- Create a series of demonstration gardens and micro-habitats





