

Pohick Creek Watershed Management Plan

Watershed Advisory Group Meeting #3:
May 26, 2009

**Fairfax County Department of Public Works
and Environmental Services**

Presented by Watershed Planning & Assessment Branch,
Stormwater Management



A close-up photograph of a dense field of blue and purple flowers, likely Salpiglossis, with vibrant green foliage. The flowers are bell-shaped and hang from thin stems. The background is filled with more of the same plants, creating a lush, textured appearance.

Welcome and Guidelines

Beth Offenbacher, Waterford, Inc.

Welcome and Meeting Agenda

1. **Welcome and Guidelines (7-7:05 pm)** – Beth Offenbacker, Waterford, Inc.
2. **Where We Are in the Process (7:05-7:10 pm)** – Shannon Curtis, Fairfax County
3. **Overview of Candidate Projects (7:10-7:20 pm)** – Trish Hennessy-Webb, PBS&J
4. **Candidate Project (7:20-7:40 pm)** – Terry Suehr, PBS&J
5. **“Homework Assignment” (7:40-7:45 pm)** – Trish Hennessy-Webb, PBS&J
6. **Break & Looking at Exhibits (7:45 – 8:00pm)**
7. **Roundtable Discussion (8:00 -8:55pm)**
 - **WAG Roles: Taking the Projects to the Stakeholder**
 - **Initial Project Evaluation & WAG Comments**
8. **Next Steps (8:55-9:00 pm)** – Trish Hennessy-Webb, PBS&J
9. **Meeting Adjournment (9pm)**

Group Expectations

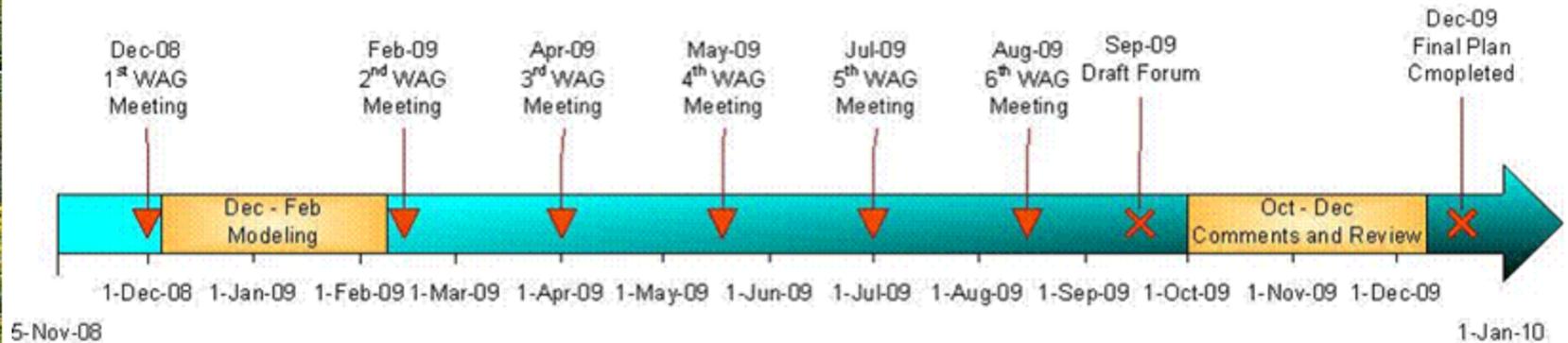
- Have only one representative speak for your group.
- Show your respect for group members by listening and taking everyone's ideas seriously.
- Expect, respect, and accept different interests, perspectives, and opinions.
- Participate actively-share all relevant information, ideas, and concerns.
- Keep the discussion focused on the task or issue at hand. You can help keep the discussion focused by only one person talking at a time, and avoiding side conversations and interruptions.
- Be fully present, turn off or put on vibrate your cell phones, Blackberries, and WiFi, and do not multi-task.

A close-up photograph of a dense field of blue and purple flowers, likely Virginia Bluebells, with vibrant green foliage. The flowers are in various stages of bloom, some fully open and others as buds. The background is a soft-focus expanse of similar plants, creating a sense of a large, healthy population.

Where We Are In The Process

Shannon Curtis, Fairfax County

Where We Are In The Process



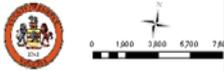
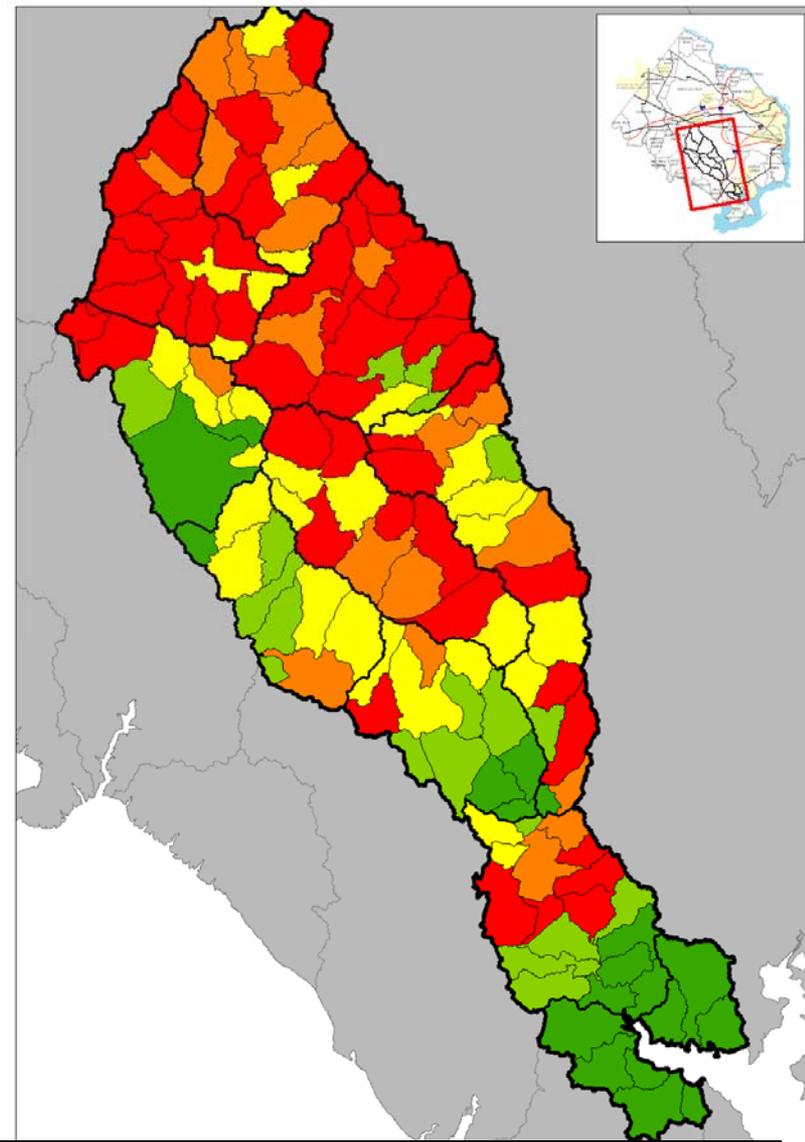
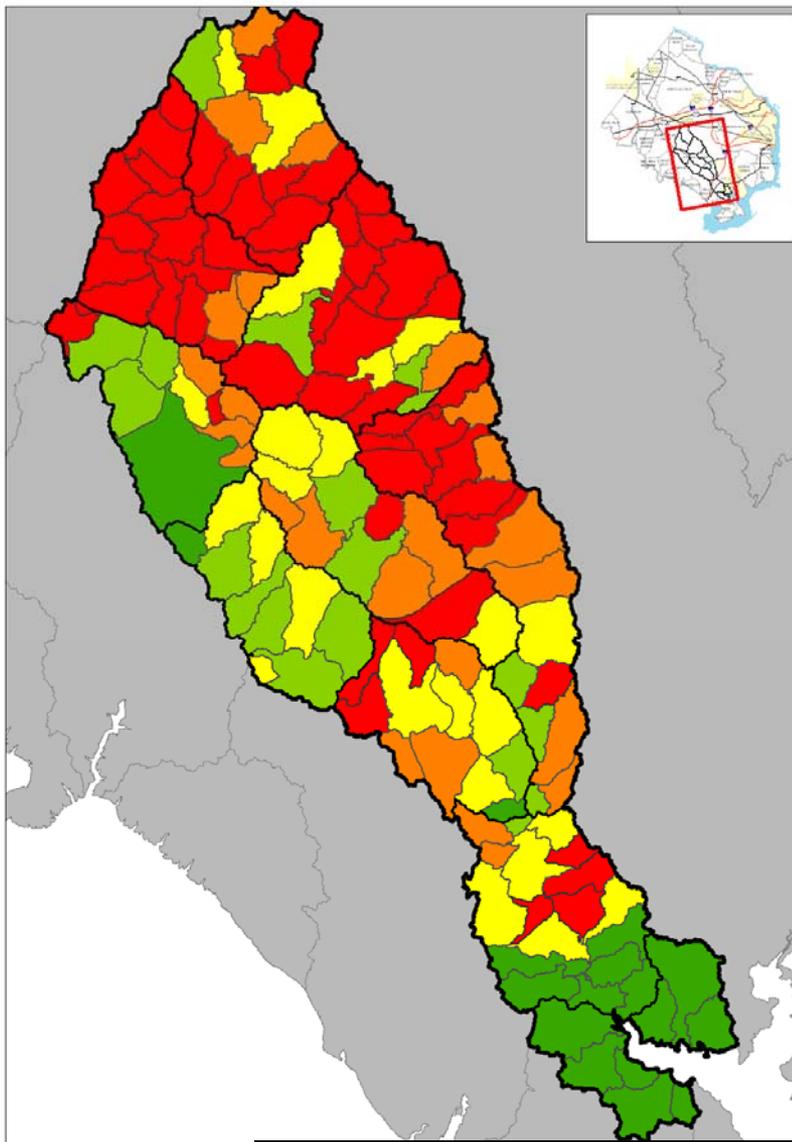
A close-up photograph of a dense field of blue and purple flowers, likely a species of Salpiglossis, with vibrant green foliage. The flowers are bell-shaped and arranged in clusters. The background is filled with more of the same plants, creating a lush, textured appearance.

Overview of Candidate Projects

Trish Hennessy-Webb, PBS&J

Candidate Project Selection

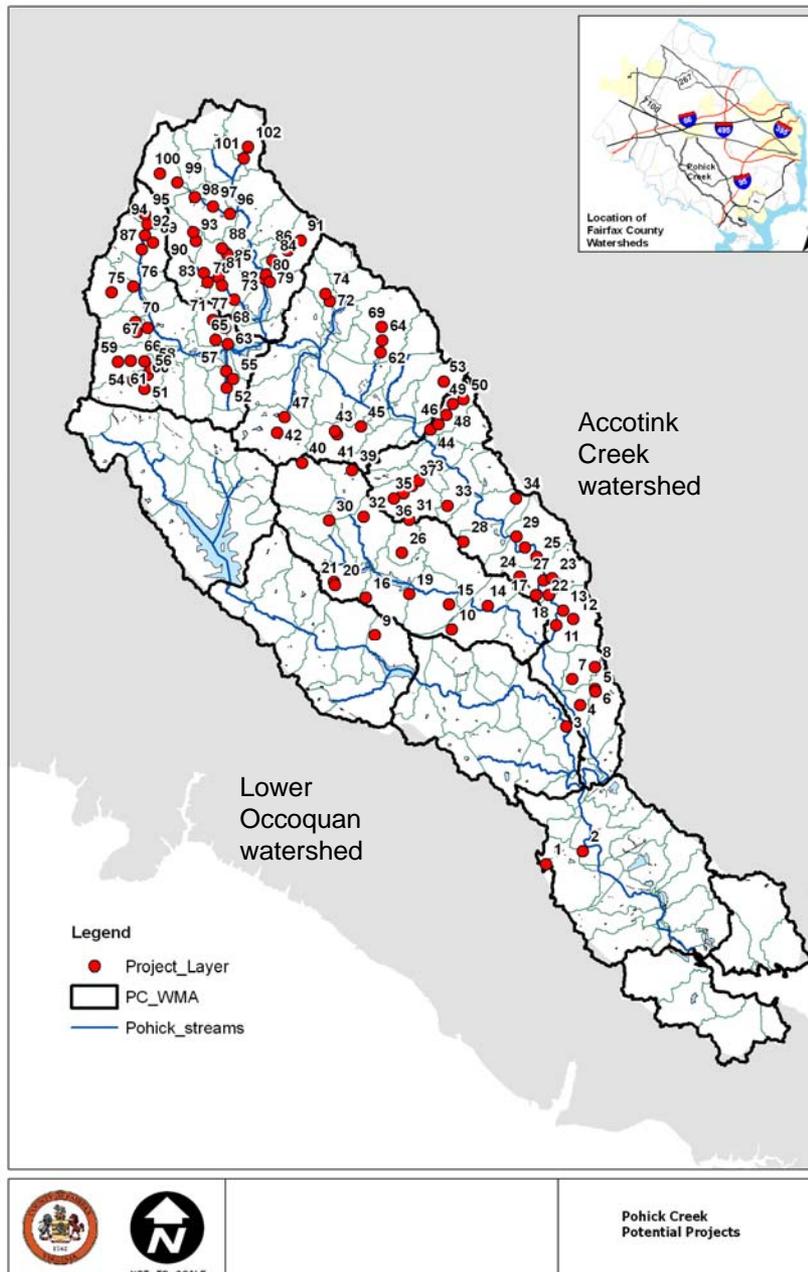
- First Round of Identifying candidate projects focused on:
 - “Severe Areas” conditions
 - Focus on areas of extreme degradation
 - “Moderate Areas” condition
 - Change eroding banks, or inadequate forest buffer
 - Additional Projects will be identified in these areas as we continue
- Ongoing Project Identification for all areas in Pohick Creek



DRAFT COMPOSITE SCORING

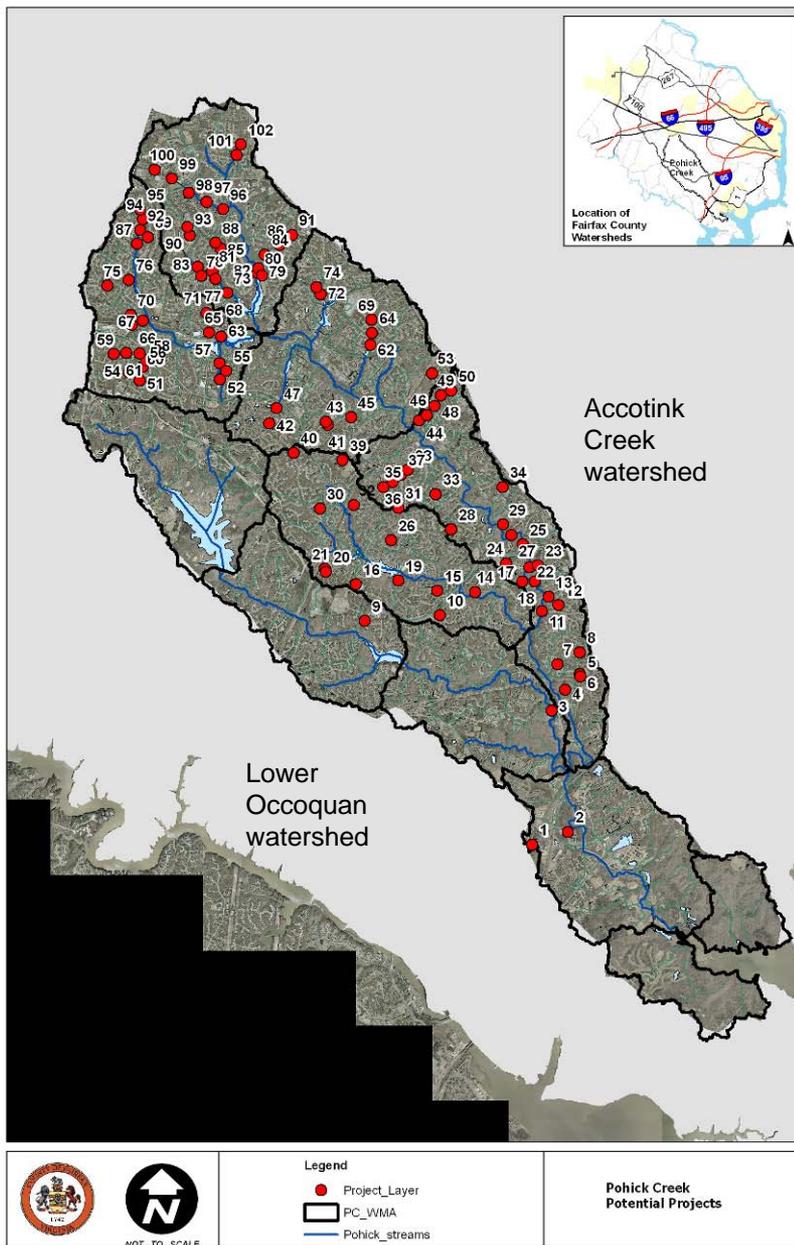
Candidate Project Sites

- Types of Candidate Projects
 - Stream Restoration
 - Stream Bank Stabilizations
 - Buffer Repair
 - Stormwater retrofit
 - Pond to Extended Wet Pond
 - LID
 - Bioretention
 - Green Roofs
 - Flooding issues
 - Outfall retrofits



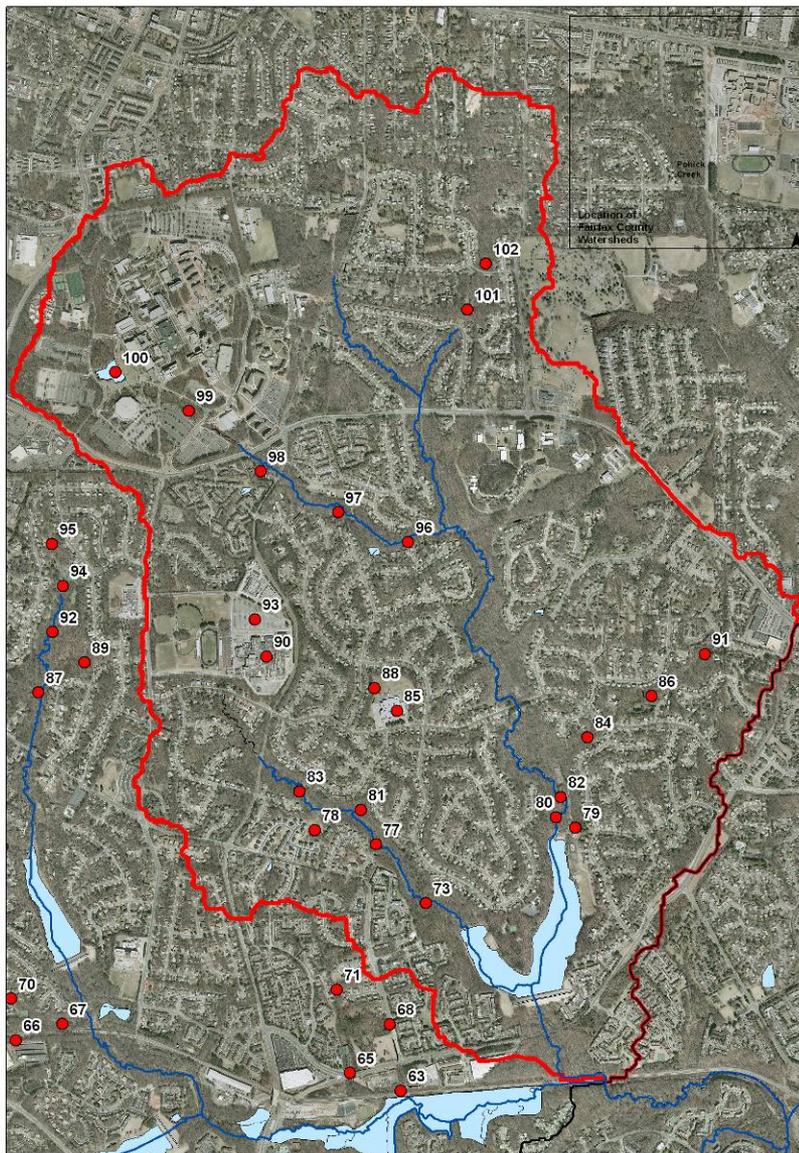
Pohick Creek Watershed Potential Candidate Projects

- First Round
- >100 Projects
- Variety of Projects
- Multiple Indicators
- Additional Projects are currently being identified



Pohick Creek Watershed Potential Candidate Projects

- Head waters
- Highly impervious areas
- Highly developed areas
- Along the mainstem tributary

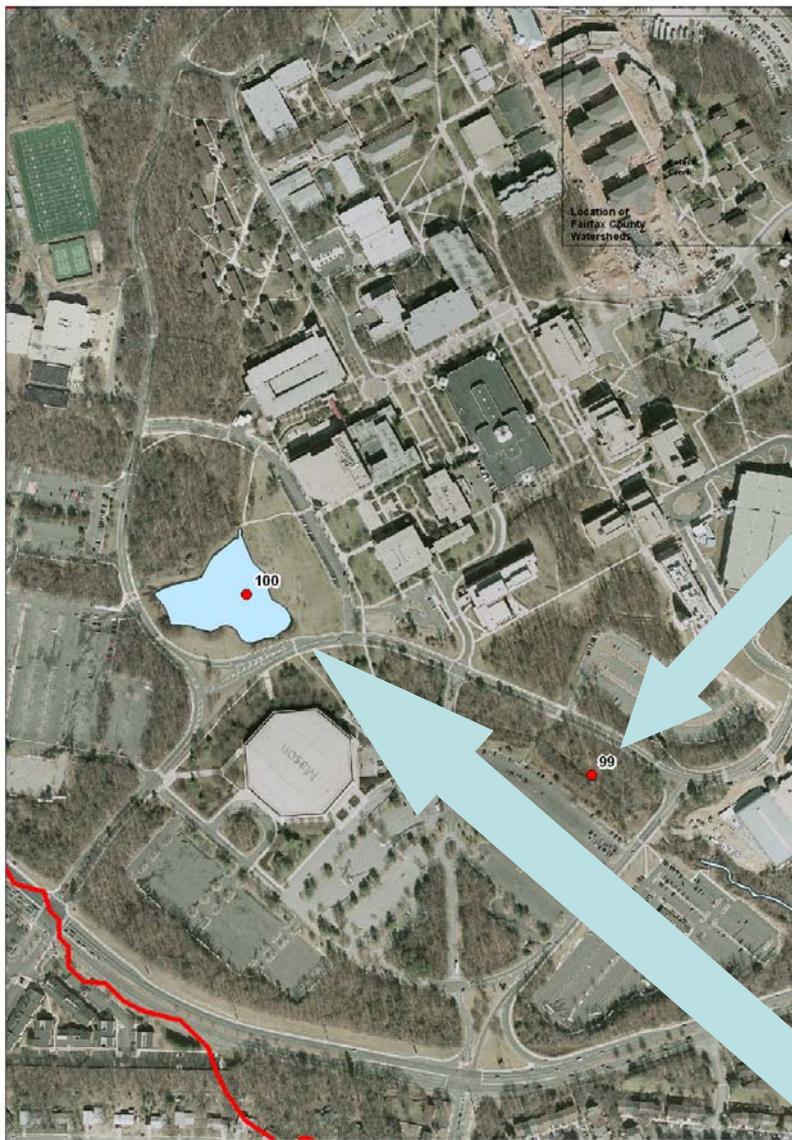


	 NOT TO SCALE	Legend ● Project_Layer — Pohick_streams	Pohick Creek Rabbit Branch
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Rabbit Branch WMA Candidate Projects

- Initially 22 Projects identified
- New Ponds
- Stream Buffer Repair
- LID Bioretention
- Stream Restoration
- Pond Retrofit





Rabbit Branch WMA Candidate Projects

- Candidate Site #99
 - Stream Buffer Repair

- Candidate Site #100
 - Pond Retrofit

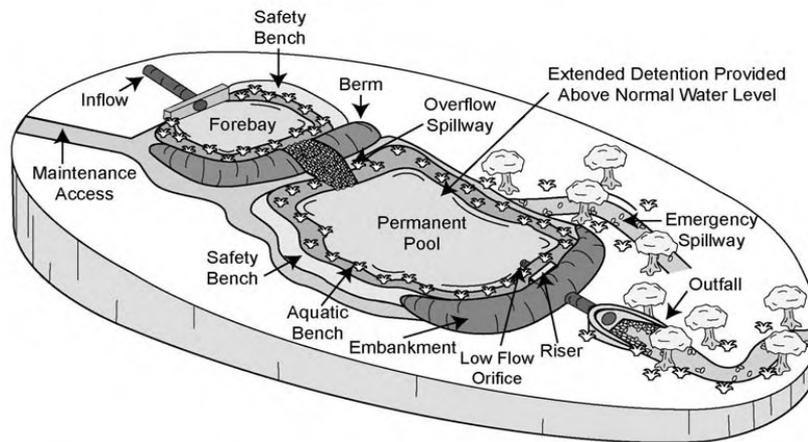
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**Pohick Creek Watershed
Candidate Projects**

Terry Suehr, PBS&J



Extended Detention



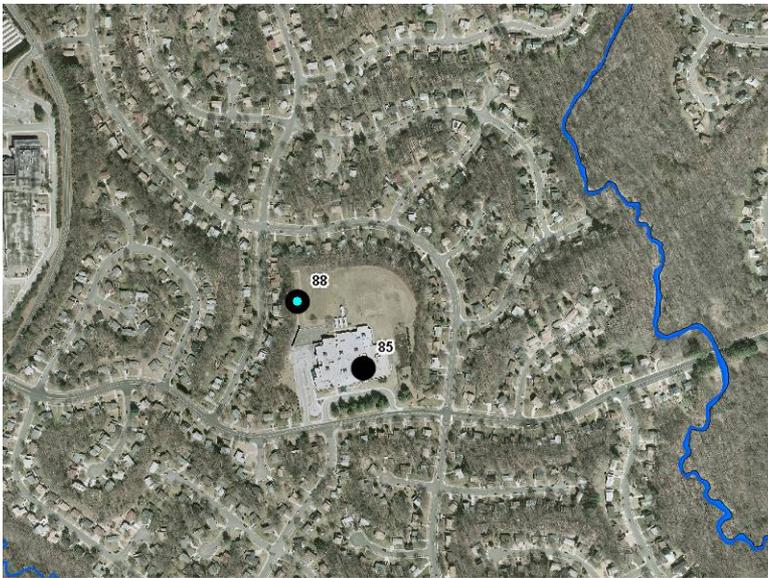
Candidate Project #100 Pond Retrofit

Indicators

- Phosphorous
- Total Phosphorous Load

Benefits

- Existing facility
- Increase detention time
- Improve Water Quality



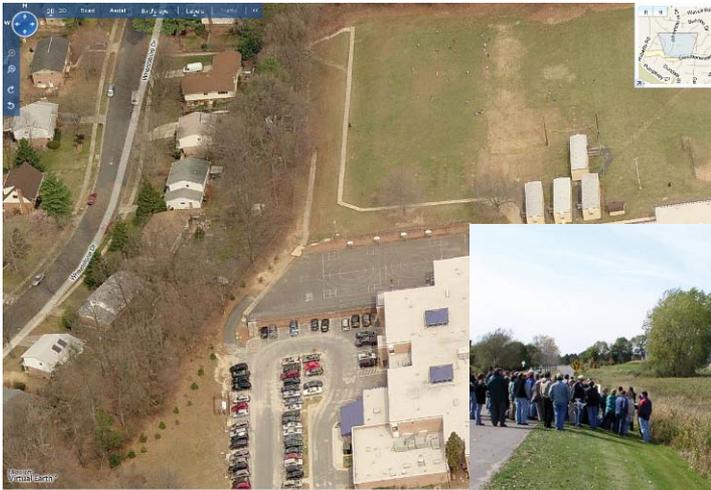
Candidate Project # 88 LID Bioretention/Bioswale

Indicators

- Directly connected impervious area

Benefits

- Reduce directly connected impervious areas
- Improve nutrient removal



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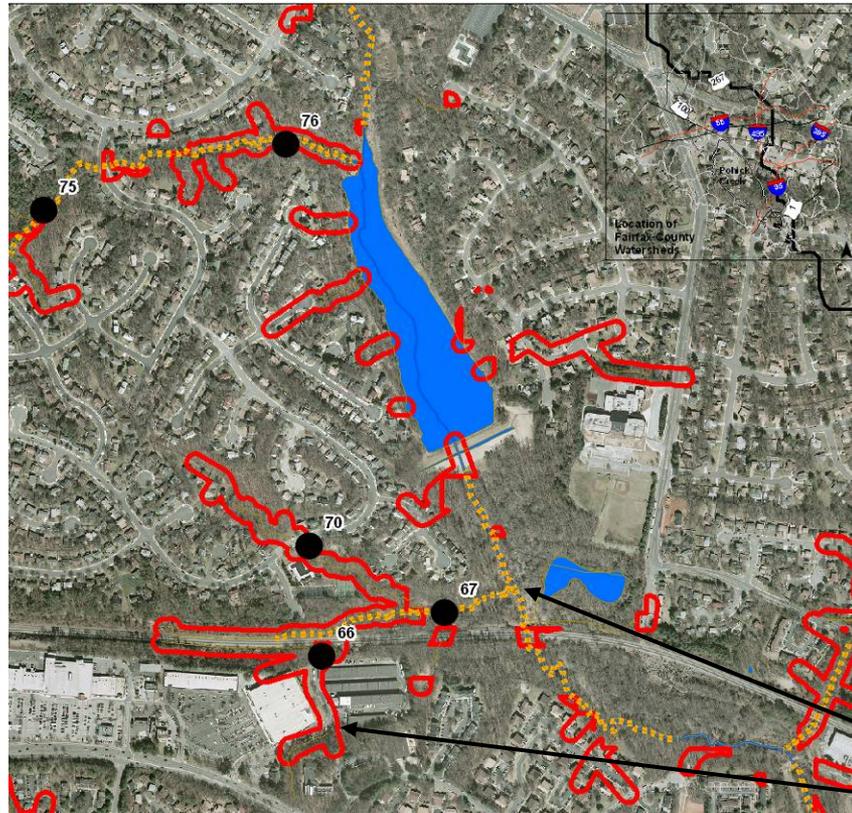
Candidate Project # 66 Stream Restoration

Indicators

- Buffer Deficiency
- Headwater Riparian Habitat

Benefits

- Reduced erosion
- Improved nutrient removal
- Restore riparian habitat



Eroded stream banks
Disturbed buffer

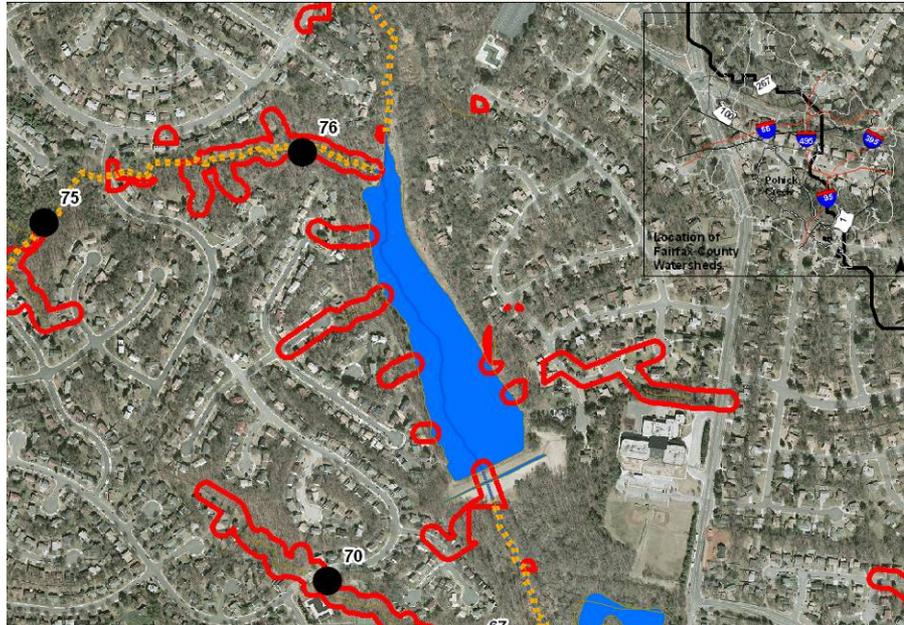


BEFORE
FAIRFAX COUNTY STORMWATER MANAGEMENT

AFTER

South Run





Candidate Project # 70 Outfall Retrofit

Indicators

- Wetland Habitat
- Stormwater Outfalls



Benefits

- Reduce erosion
- Decrease velocity
- Nutrient removal

A close-up photograph of a dense field of blue and purple flowers, likely Virginia Bluebells, with vibrant green foliage. The flowers are bell-shaped and hang from thin stems. The background is filled with more of the same plants, creating a lush, textured appearance.

Homework Assignment

Trish Hennessy-Webb, PBS&J

WAG's Project Homework

- Continue to review current list of 1st round of candidate projects
- Provide comments (through website) in 30 days
- Receive next batch of projects
- Provide comments on additional project

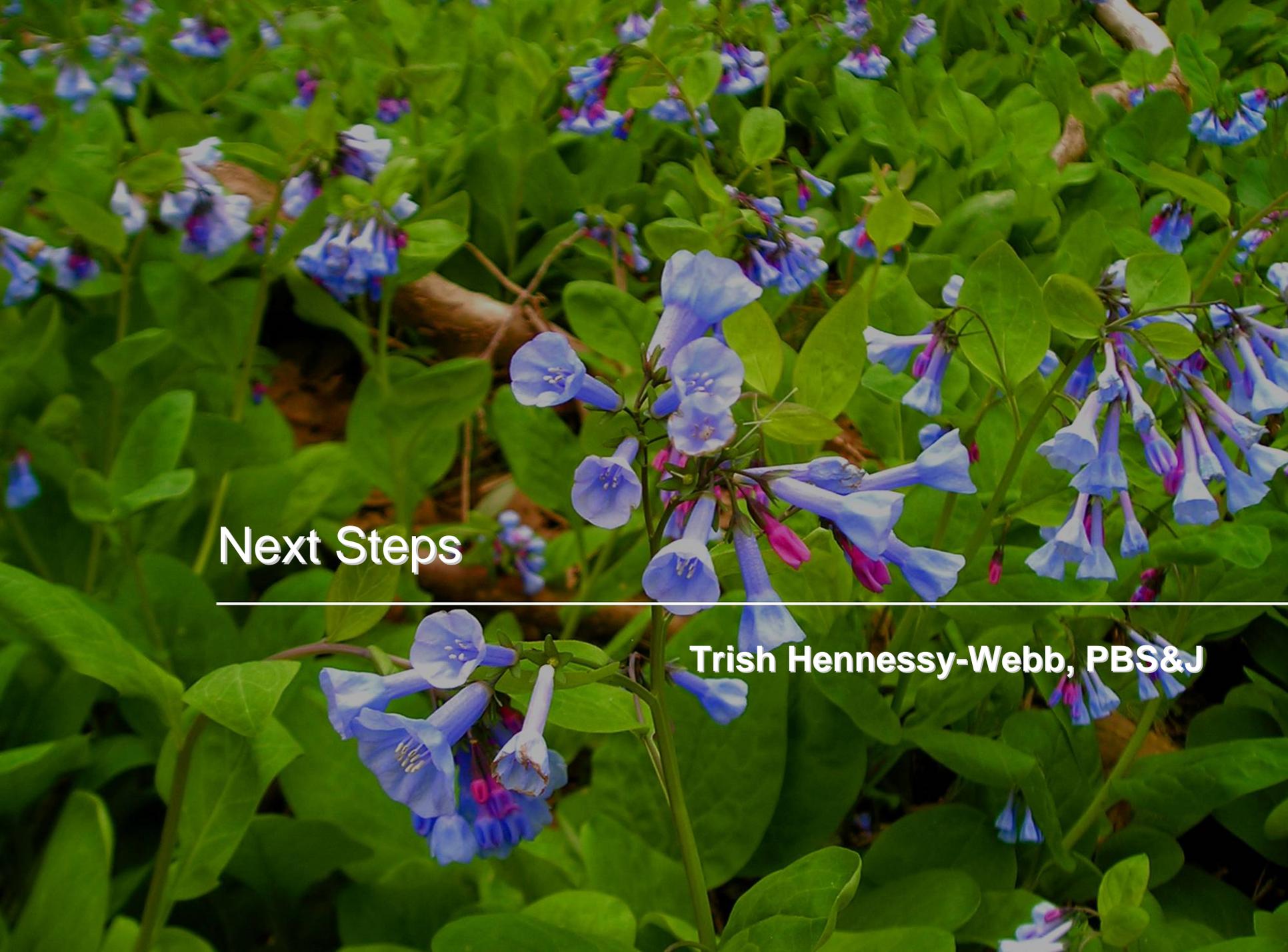
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Roundtable Discussion

Beth Offenbacher, Waterford Inc.

Types of WAG Comments

- “This neighborhood has been actively trying to implement a stormwater control in this area to address the flooding, they will welcome Project #X”
- “A CVS was just built in that area so Project #X won’t work there consider another type of project”
- “The HOA in that area is very strict and does not want any type of new project in their neighborhood”
- “The neighborhood has an active environmental community with several master gardeners, they would love a rain garden not the Project #X dry pond that is currently identified”
- “That’s the location the HOA was going to put a trail”
- “The Church owns that property and only wants X types of Projects on their property”

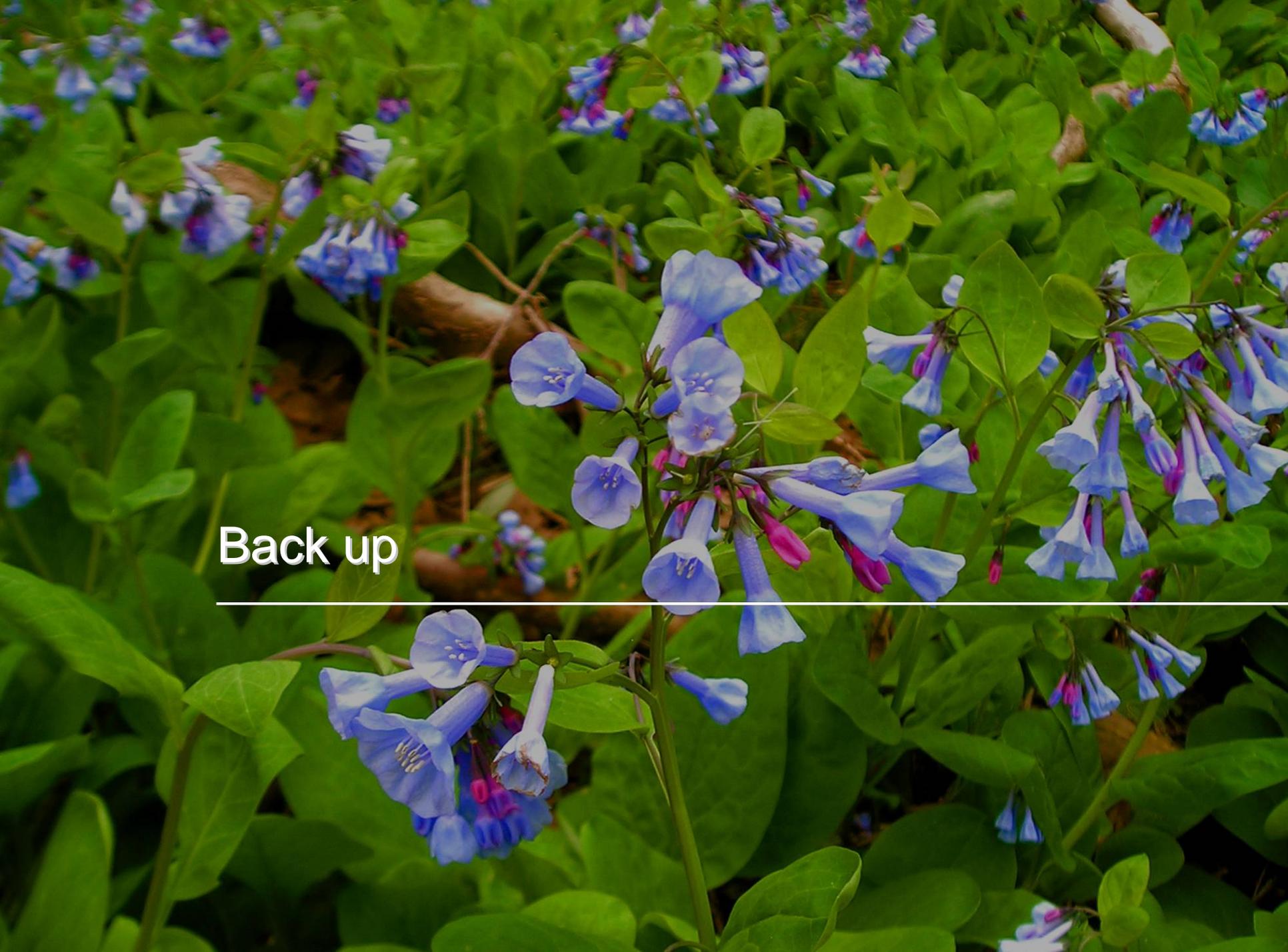
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Next Steps

Trish Hennessy-Webb, PBS&J

Next Step: Project Development & Selection

- Continue to identify universe of candidate projects
- Homework for WAG -familiar with remainder of projects
 - *WAG #4 meeting*
- Conduct Field Survey of candidate project sites
 - Assess Site Constraints
 - Recommendations for change
- Prioritize the projects
 - *WAG #5 meeting*
- Develop concept designs for selected projects and cost estimates
- Develop Draft Plan
 - *WAG #6 meeting*

A close-up photograph of a dense field of small, bell-shaped flowers. The flowers are primarily light blue and purple, with some showing darker purple or pinkish hues. They are surrounded by lush green foliage, including large, rounded leaves and thin stems. The background is slightly blurred, emphasizing the foreground flowers.

Back up

Taking the Projects to Stakeholders

1. Schedule a presentation to your stakeholders/organization
2. Email about the WAG's work and candidate projects in advance
 - See sample email
3. Make your presentation
 - WAG outreach slides
 - Candidate project handouts
4. Gather comments from stakeholders
5. WAG member provide comments to the project team