REQUEST FOR PROPOSAL (RFP)

Chesapeake Conservancy is a non-profit organization that works with conservation partners and landowners to implement Best Management Practices on agricultural land.

Chesapeake Conservancy is soliciting proposals for the following services for a 13.5-acre forested riparian buffer project:

- Implementation (tree and shrub planting)
- Maintenance (through 2025)

Contractors may bid on one or more of the services. Separate contracts may be issued for implementation and maintenance.

RFP OVERVIEW

**Landowner:** Willard and Betsy Yoder

**Project Location:** 5033 Yoder Road
Huntingdon, PA 16652
Huntingdon County

**Issuing Office:** Chesapeake Conservancy
*Contact Email:* paprograms@chesapeakeconservancy.org
*Contact Phone:* 570-372-4065
*The issuing office is the sole point of contact for this proposal.*

**Partner Organization:** Western Pennsylvania Conservancy, Jennifer Farabaugh

**Site Showing and Pre-Bid Meeting:** An optional site showing/pre-bid meeting will be held at the project location on:
March 7, 2024 at 11:00 AM EDT.
*Bidders are strongly encouraged to attend the pre-bid meeting, however, attendance is not required to submit a bid.*

Registration for the Site Showing and Pre-Bid Meeting is required electronically:
*Registration Deadline:* March 5, 2024
*Registration Email:* paprograms@chesapeakeconservancy.org
Include “Willard Yoder Meeting Registration” in the subject line.

**RFP Due Date:** All proposals must be submitted by:
March 27, 2024 at 8:00 AM EDT.
*Proposals will not be accepted after this date and time.*

**RFP Submission:** All proposals must be submitted electronically, or hand-delivered in person
DO NOT MAIL PROPOSALS – PROPOSALS WILL NOT BE ACCEPTED THROUGH U.S. MAIL.
*Email:* paprograms@chesapeakeconservancy.org
Include “Willard Yoder Bid Response” in the subject line.
In-Person: Chesapeake Conservancy
Attention: Frank Rohrer/W. Yoder Bid Response
Susquehanna University, Freshwater Research Institute Building
1250 West Sassafras Street
Selinsgrove, PA 17870
A drop box is located inside the main entrance and is accessible at any time.

RFP Award Notification of award will be no later than:
Notification: April 3, 2024

Requests for Information (RFI):
All questions/RFI should be submitted electronically to:
Information (RFI): paprograms@chesapeakeconservancy.org
Include “Willard Yoder RFI” in the email subject line.

RFI Due Date:
All questions/RFI must be submitted by:
March 12, 2024 at 4:00pm EDT.

Responses to RFI:
Chesapeake Conservancy will post responses to bidder’s questions/RFI on their website at:
https://www.chesapeakeconservancy.org/request-for-proposals/
Responses to bidder’s questions/RFI will be posted on the website no later than:
March 19, 2024 at 4:00pm EDT.

Project Description:
The proposed project involves the establishment of a 13.5-acre forested riparian buffer along 3,800 feet of Herod Run, an impaired High-Quality, Coldwater Fishery (HQ-CWF). The goal of this riparian forest buffer project is to provide water quality and habitat improvements through increased shade, stream bank stabilization, runoff filtration, and flood mitigation as well as terrestrial habitat improvements along the corridor between Herod Run and the surrounding landscape (cropland and pasture).

The successful bidder(s) will be involved in the implementation (tree planting, shelter installation, etc.) and maintenance of the entire 13.5-acre project area. All practices will be implemented as described in the Attachment A - Yoder Planting and Maintenance Plan, in this document referred to as “The Plan”. All practices will be implemented in the areas shown on the plan map. The proposed project is to be installed on property owned by Willard and Betsy Yoder, in this document referred to as “The Landowner”.

RFP - Yoder - 2
DESCRIPTION OF WORK

This contract includes, but is not limited to, the labor, materials, equipment and installation of the following items as shown in The Plan. Any estimated quantities in this RFP are for informational purposes only.

Service 1: Implementation

- Planting the buffer as described in The Plan, including but not limited to:
  - Planting a total of 2,025 native trees and shrubs. This is a density of 150 stems per acre.
    - Planting stock will consist of both large (3-gallon) and small (tubling) sized trees and shrubs.
      - Tree species considered to be unpalatable (less favored) by white-tailed deer will be planted in large, 3-gallon size stock without Tubex combitubes (or equivalent product).
        - Number of 3-gallon size trees is 800.
        - Deer repellent will be applied to these trees per label guidelines as a browse deterrent.
      - Tree species considered palatable (more favored) by deer will be planted in small, tubling (min. 3” diameter x 9” depth) size stock and protected with 5’ Tubex combitubes (or equivalent product) and 5’ white oak stakes. No deer repellent will be added to these trees.
        - Number of tubling size trees is 500.
        - Number of shelters is 500.
  - All shrub species will be planted in 3-gallon size stock without shelters.
    - Number of shrubs is 725.
    - Deer repellent will be applied to these shrubs per label guidelines as a browse deterrent.
  - Trees will be spaced approximately 15-17 feet apart while shrubs will be spaced 6-8 feet apart. Trees/shrubs will be planted no closer than 12 feet from the existing livestock exclusion fence to ensure the fence can be easily maintained as needed.
    - The quote should reflect the desired species and stock sizes listed in The Plan.
      - If the minimum size is not available for a species, substitutions of size or species may be acceptable. However, the successful bidder will consult with Chesapeake Conservancy for prior approval if using smaller stock or substituting species. The minimum sizes prescribed in The Plan are strongly preferred.
        - Spot spraying herbicide in a minimum 4’ x 4’ square or 4’ diameter circle to all planted stock soon (within 2 weeks) after planting.
        - Completing and submitting Attachment C Maintenance/Assessment and Spray Report (page 3) to Chesapeake Conservancy upon completion of implementation activities.
        - The installed practices must meet the specifications of The Plan and Department of Conservation and Natural Resources (DCNR). The DCNR Service Forester will conduct a site visit.
after implementation to certify that the project was implemented according to specifications. The successful bidder will be responsible for any necessary corrections needed to meet specifications.

- Refer to the Planned Buffer Information and Tree and Shrub Selection sections of The Plan for additional details.

### Service 2: Maintenance

- Implementing the maintenance activities through 2025 as described in the Invasive Species, Maintenance Plan and Timeline sections of The Plan including but not limited to:
  - Total of two applications of spot-spraying herbicide in a minimum 4’ x 4’ square or 4’ diameter circle around all planted stock (2,025 stems).
    - One application in Fall 2024 and one application in Fall 2025.
  - Total of two applications of herbicide to control noxious and invasive plants.
    - One application in Summer – Fall 2024 and one application in Summer – Fall 2025.
  - One application of deer repellent to all shrubs and all unsheltered trees (1,525 stems).
    - Spring 2025
  - Maintenance of tree shelters including but not limited to straightening, replacing shelters and stakes and removing bird nets (500 shelters).
    - Summer – Fall 2024 and Summer – Fall 2025

- Completing and submitting Attachment C Maintenance/Assessment and Spray Report to Chesapeake Conservancy upon completion of maintenance activities.

- Refer to the Invasive Species, Maintenance Plan and Timeline sections of The Plan for additional details.

### Operator/Landowner’s Responsibilities

Operator/Landowner’s Responsibilities includes, but is not limited to, the labor, materials, equipment and installation of the following items as shown in the attached plan titled, “Yoder Planting and Maintenance Plan”, in this document referred to as “The Plan”.

- Mowing around planted stock. Mowing is not required but can be conducted the first 3 years if needed to aid in the establishment of the trees and shrubs.
CONSTRUCTION SCHEDULE:
Contractors shall include with their response the approximate date implementation can start, the approximate date implementation will be completed and the approximate date the final year of maintenance will be completed.

- **Preferred date for completing implementation is June 15, 2024.** Proposals indicating completion after this date will be considered, however, **implementation MUST be completed prior to November 15, 2024.** (If unable to implement by contracted date due to adverse weather or site conditions, Chesapeake Conservancy will work with contractor on a revised implementation date)
- Maintenance will be completed annually (2024 and 2025) with all maintenance activities completed by **November 15, 2025.**

WARRANTY/PLANTING GUARANTEE: Bidders shall include with their response, a description of their planting guarantee/warranty.

PA ONE CALL:
Contractor shall follow all laws and regulations relating to the Pennsylvania One-Call System. Before beginning the project, the contractor shall submit a Locate Request to the Pennsylvania One-Call System to assist with the prevention of accidental damage to underground public utilities. If designing the project, the contractor shall also submit a Final Design Notification to the Pennsylvania One-Call System.

**PA One Call:** 1-800-242-1776 or 811
**Project Design Serial #:** 20240431338

COMMUNICATION:
Communication between the contractor, Western Pennsylvania Conservancy (WPC) and Chesapeake Conservancy is crucial to a successful project. Contractor shall notify Jennifer Farabaugh, of WPC, at least three (3) days prior to beginning implementation and prior to final departure from site.

PAYMENT TERMS:
Implementation (planting) invoices will be accepted when those components have been completed and will follow an established payment schedule (payment schedule may include deposit for materials) agreed to by Chesapeake Conservancy and Contractor. Payment will be issued upon submission of an approved invoice, completed Application for Payment form, Final Report, Maintenance/Assessment and Spray Report (page 3), enhanced minimum wage documentation (payroll/timesheets) and other required documentation.

Maintenance invoices will be accepted upon completion of the maintenance activities and will follow an established payment schedule. Payment will be issued upon submission of an approved invoice, completed Application for Payment form, Maintenance/Assessment and Spray Report and enhanced minimum wage documentation (payroll/timesheets) and other required documentation.

ENHANCED MINIMUM WAGE PROVISIONS:
At a minimum, enhanced minimum wage rate provisions apply to all labor for this contract. The contractor shall follow and ensure that all subcontractors follow the required minimum wage rates.

- Effective July 1, 2023, the enhanced minimum wage rate is $16.17 per hour (**53 Pa.B. 1159**).
- An annual cost of living adjustment is applied to the minimum wage rate each July. **Implementation and maintenance services completed after July 1st must be paid at the new rate.**
- Contractor and all subcontractors will be required to send timesheets/payroll documentation reflecting compliance with these provisions to Chesapeake Conservancy.
Per PA Department of General Services

a. **Enhanced Minimum Wage.** Contractor/Lessor agrees to pay no less than $16.17 per hour to its employees for all hours worked directly performing the services called for in this Contract/Lease, and for an employee’s hours performing ancillary services necessary for the performance of the contracted services or lease when such employee spends at least twenty percent (20%) of their time performing ancillary services in a given work week.

b. **Adjustment.** Beginning July 1, 2023, and annually thereafter, the minimum wage shall be increased by an annual cost-of-living adjustment using the percentage change in the Consumer Price Index for All Urban Consumers (CPI-U) for Pennsylvania, New Jersey, Delaware, and Maryland. The applicable adjusted amount shall be published in the Pennsylvania Bulletin by March 1 of each year to be effective the following July 1.

c. **Exceptions.** These Enhanced Minimum Wage Provisions shall not apply to employees:
   1. Exempt from the minimum wage under the Minimum Wage Act of 1968;
   2. Covered by a collective bargaining agreement;
   3. Required to be paid a higher wage under another state or federal law governing the services, including the Prevailing Wage Act and Davis-Bacon Act; or
   4. Required to be paid a higher wage under any state or local policy or ordinance.

d. **Notice.** Contractor/Lessor shall post these Enhanced Minimum Wage Provisions for the entire period of the contract conspicuously in easily-accessible and well-lighted places customarily frequented by employees at or near where the contracted services are performed.

e. **Records.** Contractor/Lessor must maintain and, upon request and within the time periods requested by the Commonwealth, furnish all employment and wage records necessary to document compliance with these Enhanced Minimum Wage Provisions.

f. **Sanctions.** Failure to comply with these Enhanced Minimum Wage Provisions may result in the imposition of sanctions, which may include, but shall not be limited to, termination of the contract or lease, nonpayment, debarment or referral to the Office of General Counsel for appropriate civil or criminal referral.

g. **Subcontractors.** Contractor/Lessor shall include the provisions of these Enhanced Minimum Wage Provisions in every subcontract so that these provisions will be binding upon each subcontractor.

**EQUAL EMPLOYMENT OPPORTUNITY:**
Chesapeake Conservancy is an equal opportunity employer. The successful bidder shall comply with all federal, state, and local equal employment opportunity requirements. Additional information can be found at https://www.ecfr.gov and searching 41 CFR 60-1.4(b).

**SMALL BUSINESS AND SMALL DIVERSE BUSINESS:**
Chesapeake Conservancy encourages the use of small, diverse businesses when soliciting Requests for Proposals. A **Small Business** is a business in the United States which is independently owned, not dominant in its field of operation, employs no more than 100 full-time or full-time equivalent employees and earns less than $38.5 million in gross annual revenues. A **Small Diverse Business** is a small business that is minority, women, veteran, service-disabled veteran, LGBT, or disability owned.

Contractors and any subcontractors who qualify as a **Small Business** or **Small Diverse Business** should check the applicable box on the Contractor Response Form.

**SAFETY PERFORMANCE:**
Contractors shall provide safety performance information including OSHA records and EMR on their company and any subcontractors.

**OSHA Records:**
- OSHA reportable incidents for the past three (3) years. If there were no OSHA reportable incidents, indicate “none”. See https://www.osha.gov/recordkeeping/ for additional information.
- TRIR (Total Recordable Incident Rate) which is the number of incidents x 200,000 / total number of employee hours worked in a year.
● DART (Days Away, Restricted or Transferred Rate). See [https://data.bls.gov/iirc/](https://data.bls.gov/iirc/) to determine the value.

Contractors whose business is not required to keep OSHA records because they have 10 employees or less should check the applicable box on the Contractor Response Form.

Experience Modifier Rate (EMR):
● EMR provided by the insurance company.

**PENNSYLVANIA COMMERCIAL/PUBLIC PESTICIDE CERTIFICATION:**
Contractor must have a current Pennsylvania Pesticide Applicator License and must be certified in the appropriate categories for this project (including deer repellent applications). It is the contractor’s responsibility to ensure proper certifications. Contractor must maintain the license for the term of the contract.

**WORKER PROTECTION INVESTMENT AND CERTIFICATION FORM:**
Bidders shall provide a signed Commonwealth of Pennsylvania Worker Protection Investment and Certification Form (attached).

**DEBARMET AND TAX LIABILITY:**
Contractors are required to certify that they and any subcontractors are not listed on the Debarment and Suspension List maintained by the Pennsylvania Department of General Services ([https://www.dgs.internet.state.pa.us/debarmentsearch/debarment/index](https://www.dgs.internet.state.pa.us/debarmentsearch/debarment/index)) and the General Services Administration’s List of Parties Excluded from Federal Procurement or Nonprocurement Programs ([https://www.sam.gov/search/](https://www.sam.gov/search/)) in accordance with Executive Orders 12549 and 12689, “Debarment and Suspension” and have no outstanding tax liabilities. Contractor will also be required to certify that they and any subcontractors are not in default of a loan or funding agreement administered by any Commonwealth agency.

**INSURANCE REQUIREMENTS:**
Bidders shall include a copy of their current Certificate of Insurance that reflects their existing levels of liability insurance coverage. Chesapeake Conservancy will work with the successful bidder to ensure adequate levels of insurance are in place for the project prior to finalizing a contract.

*Certificate of Insurance must indicate that Pesticide Applications are included in the coverage.*

Preferred levels of coverage include the following:

<table>
<thead>
<tr>
<th>Type of Insurance Coverage</th>
<th>Limit Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Workers Compensation and Employer’s Liability -</td>
<td></td>
</tr>
<tr>
<td>Bodily Injury, Each Accident:</td>
<td>Statutory</td>
</tr>
<tr>
<td>Bodily Injury By Disease, Each Employee:</td>
<td>State Minimum</td>
</tr>
<tr>
<td>Bodily Injury/Disease, Policy Limit:</td>
<td>State Minimum</td>
</tr>
<tr>
<td>General Liability -</td>
<td></td>
</tr>
<tr>
<td>Each Occurrence (Bodily Injury and Property Damage):</td>
<td>$1,000,000</td>
</tr>
<tr>
<td>General Aggregate:</td>
<td>$1,000,000</td>
</tr>
<tr>
<td>Excess or Umbrella Liability -</td>
<td></td>
</tr>
<tr>
<td>Per Occurrence:</td>
<td>$1,000,000</td>
</tr>
<tr>
<td>General Aggregate:</td>
<td>$2,000,000</td>
</tr>
<tr>
<td>Automobile Liability -</td>
<td></td>
</tr>
<tr>
<td>Combined Single Limit (Bodily Injury and Property Damage):</td>
<td>$1,000,000</td>
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</tbody>
</table>
Once Chesapeake Conservancy and the successful bidder have reached an agreement pertaining to the levels of insurance needed for the project, the successful bidder and any subcontractor shall add “Chesapeake Conservancy” and “National Fish and Wildlife Foundation” as additional insured on their policy and shall provide Chesapeake Conservancy with a certificate of insurance documenting this coverage certified as current by a licensed insurance broker.

*Note: Bidders do not need to add the additional insured to their policy when responding to the RFQ. Only the successful bidder will be required to name the additional insured on their policy after the bid is awarded. The Certificate Holder should be as follows: Chesapeake Conservancy, 716 Giddings Ave, Suite 42, Annapolis, MD 21401.*

**GRANTS:**
The terms and conditions of the Department of Conservation and Natural Resources Community Conservation Partnerships Program Chesapeake Bay Accountability and Recovery Act State Parks and Outdoor Recreation - ARPA (BRC-RFB-28.6-81) and National Fish and Wildlife Foundation Innovative Nutrient and Sediment Reduction Grant (0602.20.068334) grant(s) apply to the contracts that result from this RFP. Copies of the grant(s) are available upon request.

**ATTACHMENTS:**
The following attachments are included with the RFP for your reference:

- Attachment A – Yoder Planting and Maintenance Plan
- Attachment B – RFP Scoring Sheet
- Attachment C – Maintenance/Assessment and Spray Report
SUBMISSION OF PROPOSALS AND SELECTION CRITERIA

SUBMISSION OF PROPOSALS:

A. Proposals are requested for the items described in the Description of Work, in accordance with the Terms and Conditions included in this RFP. The estimated quantities included in this RFP are for information only. The contractor is responsible for determining the quantities needed to complete the project based on the provided documents in the RFP.

Contractors may bid on one or more of the services. Separate contracts may be issued.

At a minimum each proposal response must include:

- Contractor Response Form
  - Price
  - Three references
  - List of subcontractors used (if applicable)
  - Proposed start date for tree planting
  - Estimated completion date for tree planting and all implementation services
  - Estimated completion date for final year of maintenance services
  - Warranty/planting guarantee
  - Enhanced minimum wage certification
  - Safety performance
  - Debarment and tax liability certification
  - Signed by authorized representative
- Commonwealth of Pennsylvania Worker Protection Investment and Certification Form (signed)
- Current Certificate of Liability Insurance

B. All proposals must be submitted electronically, or hand-delivered to Chesapeake Conservancy. Proposals will not be accepted through U.S. Mail.

- Electronic proposals must be emailed to paprograms@chesapeakeconservancy.org
  Emailed submissions must include “Willard Yoder Bid Response” in the subject line of the email.

- Hand-delivered proposals must be dropped off at the Chesapeake Conservancy located at:
  Susquehanna University, Freshwater Research Institute Building
  1250 West Sassafras Street
  Selinsgrove, PA  17870
  A drop box is located inside the main entrance and is accessible at any time.

  Hand-delivered proposals must be sealed in an envelope and the envelope must be labeled with “Attention: Frank Rohrer/W. Yoder Bid Response”.

C. All proposals must be submitted by March 27, 2024 at 8:00 AM EDT.

It is the responsibility of each Contractor to ensure that the proposal is received prior to the due date and time for submission of proposals. No proposal shall be considered if it was sent or received after this date and time.

D. The contract(s) will be awarded and contractors notified no later than April 3, 2024.

E. Bids must be firm. If a bid is submitted with conditions or exceptions or not in conformance with these terms and conditions, it shall be rejected. The bid shall also be rejected if the items offered by the contractor are
not in conformance with the specifications as determined by the Issuing Office.

F. **Pennsylvania Enhanced Minimum Wage Rates will apply to the entirety of this project.** This project is funded by a grant from the state of Pennsylvania and is subject to enhanced minimum wage regulations. The selected contractor will submit payroll and timesheet documentation to document the payment of enhanced minimum wage rates to qualified project personnel.

**CONTRACTOR SELECTION CRITERIA:**

A. Contractors will be evaluated on the criteria listed in Attachment B – RFP Scoring Sheet.

B. Proposals will be awarded to the most qualified economical bidder, as determined by the Issuing Office. The bids and bidders will be scored against a criteria that balances price and perceived risk.

C. The Issuing Office reserves the right to reject any and all proposals and/or cancel the proposal for any reason and to waive any technical defects, if it determines that it is in the best interest of the Landowner or the Issuing Office.
Contractor Name: ______________________________

Project Name: Willard and Betsy Yoder Riparian Buffer

Project Location: 5033 Yoder Road, Huntingdon, PA 16652 (Huntingdon County)

Partner: Western Pennsylvania Conservancy

1. Price to supply materials, labor, and equipment for performing the work as described in the Description of Work is - **Required**:

   Service 1 – Implementation: $________________________

   Service 2 (2024) – Maintenance: $________________________

   Service 2 (2025) – Maintenance: $________________________

   Total Quote: $________________________

2. I/We plan to use the following subcontractors in order to perform parts of this project (include Tax ID):

   Name: ______________________________ EIN: ______________________________

   Name: ______________________________ EIN: ______________________________

3. The following three references are provided with telephone numbers of projects completed of similar scope and size - **Required**:

   Name: ______________________________ Telephone: ______________________________

   Name: ______________________________ Telephone: ______________________________

   Name: ______________________________ Telephone: ______________________________

4. Proposed date on which planting can be started - **Required**: ______________________________

5. Estimated date on which planting and all implementation can be completed - **Required**: ______________________________

6. Estimated date on which maintenance can be completed (for final year of maintenance) - **Required**: ______

7. I/We provide the following planting guarantee/warranty. If none, enter “none. - **Required**:

   __________________________________________________________

   __________________________________________________________

8. Enhancement Minimum Wage Rate Provisions (See Terms and Conditions for details) - **Required**:

   ☐ I agree to comply with the enhanced minimum wage rate provisions.
9. Small Business and Small Diverse Business (See Terms and Conditions for details) - Check if applicable
   □ I self-certify that my business qualifies as a Small Business.
   □ I self-certify that my business qualifies as a Small Diverse Business.

10. Safety Performance (See Terms and Conditions for details) – Required

   OSHA Records
   □ I certify that my business does not need to keep OSHA records because we have 10 employees or less.
   ○ OSHA reportable incidents for the past three years (attach documentation if applicable)
   ○ TRIR (Total Recordable Incident Rate) (show calculation, if none, write 0)
   ○ DART (Days Away, Restricted or Transferred Rate) (attach documentation/screen printout, if applicable)

   Experience Modifier Rate
   ○ EMR (attach documentation from insurance company, write N/A if not applicable)

11. Debarment and Tax Liability Status (See Terms and Conditions for details) - Required

   □ I certify that my business, and any subcontractors, are not debarred by the State of Pennsylvania or the federal government.
   □ I certify that my business, and any subcontractors, have no tax liabilities and are not in default of a loan or funding agreement administered by the state of Pennsylvania.

12. Commonwealth of Pennsylvania Worker Protection Investment and Certification Form (See Terms and Conditions for details) - Required:

   □ I have included with my response the completed Worker Protection Investment and Certification Form.

13. Certificate of Insurance (See Terms and Conditions for details) - Required

   □ I have included a copy of my current Certificate of Insurance with my response.

This bid is submitted in response to the RFP for the project identified above. The price is based on my knowledge of information on Chesapeake Conservancy’s RFP website and the design package provided at the pre-bid meeting. This bid will remain valid for 90 days after submission. If awarded the RFP, I agree to sign a contract with the Chesapeake Conservancy.

Company Name: _____________________________ Company Tax ID # (EIN): ____________________________

Company Address: ____________________________

Representative’s Name: ________________________ Telephone: ____________________________

Email Address: ________________________________

Signature: ________________________________ Title: ____________________________ Date: ____________
Attachment A: Yoder Planting and Maintenance Plan

Implementation Plan

Prepared by:
Logan Stenger, Chesapeake Conservancy, lstenger@chesapeakeconservancy.org
Jennifer Farabaugh, Western Pennsylvania Conservancy jfarabaugh@paconserve.org or (814) 696-9356

Project Overview:

Proposed riparian forest buffer project to occur on the property of Will and Betsy Yoder in Jackson Township, Huntingdon County, Pennsylvania. The proposed buffer will be planted adjacent to approximately 3,800 linear feet of Herod Run, an impaired High-Quality, Coldwater Fishery (HQ-CWF) tributary to Standing Stone Creek. This project will be completed in addition to a proposed stream restoration along Herod Run that includes the construction of 605 feet of high bank mudsill, 1,280 feet of mudsill, 310 feet of rock toe, 60 feet of log toe, 2 log vanes, and 11 rock cross vanes. The goal of this riparian forest buffer project is to provide additional water quality and habitat improvements through increased shade, stream bank stabilization, runoff filtration, and flood mitigation as well as terrestrial habitat improvements along the corridor between Herod Run and the surrounding landscape (cropland and pasture). Tree and shrub species suitable for this proposed project area will be selected in order to provide the greatest survivorship and environmental benefits.

Contact Information:

Landowner:

<table>
<thead>
<tr>
<th>Name</th>
<th>Will and Betsy Yoder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>5033 Yoder Road, Huntingdon, PA 16652</td>
</tr>
<tr>
<td>County</td>
<td>Huntingdon</td>
</tr>
<tr>
<td>Municipality</td>
<td>Jackson Township</td>
</tr>
<tr>
<td>Phone</td>
<td>(814) 667-3413</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:byoder814@aol.com">byoder814@aol.com</a></td>
</tr>
</tbody>
</table>

Implementation Partners:

Chesapeake Conservancy

<table>
<thead>
<tr>
<th>Name</th>
<th>Logan Stenger</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>Susquehanna University, 500 W. Sassafras St., Selinsgrove, PA 17870</td>
</tr>
<tr>
<td>Phone</td>
<td>(570) 259-3323</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:lstenger@chesapeakeconservancy.org">lstenger@chesapeakeconservancy.org</a></td>
</tr>
</tbody>
</table>
Western Pennsylvania Conservancy

Name: Jennifer Farabaugh
Address: 405 Allegheny Street, Hollidaysburg, PA 16648
Phone: (814) 696-9356
Email: jfarabaugh@paconserve.org

Project site:

Physical address:
5033 Yoder Road, Huntingdon, PA 16652

Proposed Buffer Coordinates:
Downstream start: 40.625165, -77.858431
Upstream end: 40.630234, -77.862526

Directions to site:
Approximately 2 miles south of the small town of McAlevy’s Fort travelling along Route 26, turn right onto Yoder Road. Landowner home is the first house on the right, project reach can be seen from Yoder Road for the next ½ mile.

Utility Lines:
PA ONE CALL DESIGN SERIAL #: 2024043133  CALL 811 or 1-800-242-1776
A utility line does run through approximately 200 yards run along the upstream portion of the site. No trees are to be planted within 50 feet of the utility line. Short-growing shrubs may be planted no closer than 35 feet to the utility line.

Current Site Conditions:

<table>
<thead>
<tr>
<th>Site Description/Condition:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Known past buffer width:</td>
<td>Varies – existing fence ranges from 35-100 feet from stream</td>
</tr>
<tr>
<td>Known species in past buffer:</td>
<td>NA</td>
</tr>
<tr>
<td>Canopy cover over stream:</td>
<td>Less than 5%</td>
</tr>
<tr>
<td>Existing living trees:</td>
<td>Walnut, tulip poplar, willow</td>
</tr>
<tr>
<td>Deer pressure:</td>
<td>Moderate to high</td>
</tr>
</tbody>
</table>

Stream Condition:

<table>
<thead>
<tr>
<th>HUC 12:</th>
<th>020503020702</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waterway’s name:</td>
<td>Herod Run</td>
</tr>
<tr>
<td>Waterway is in the watershed:</td>
<td>Standing Stone Creek, Juniata River, Susquehanna River</td>
</tr>
<tr>
<td>Perennial, intermittent, ephemeral:</td>
<td>Perennial</td>
</tr>
<tr>
<td>Approximate stream width:</td>
<td>8 - 12 feet</td>
</tr>
<tr>
<td>Bank condition:</td>
<td>Moderately to severely unstable</td>
</tr>
</tbody>
</table>

Soil Condition: *(see full Web Soil Survey pp. 19-25)*

<table>
<thead>
<tr>
<th>Soil type:</th>
<th>Basher silt loam, neutral variant (Bc)</th>
</tr>
</thead>
<tbody>
<tr>
<td>% of buffer composition</td>
<td>86.8</td>
</tr>
</tbody>
</table>
**Slope:** 0 to 3 percent  
**Erosion hazard:** Slight  
**Water table:** Moderately high to high  
**Suitable uses:** Crops, hay, pasture, trees

---

**Invasive species, deer impacts, and drainage considerations**

**Invasive species:**  
Overall invasive species presence is considered minor and sporadic throughout the buffer reach. However, invasive presence was observed to be moderate to severe in small, concentrated areas. This includes reed canary grass, multiflora rose, honeysuckle, Bradford pear, and autumn olive. The selected maintenance contractor will also be responsible for removing and controlling invasives via manual and chemical methods for the duration of the maintenance contract.

**Deer impacts:**  
Deer pressure is likely moderate to high given previous experience working in the surrounding area. To reduce deer browse and damage to trees, a combination of unpalatable and palatable tree/shrub species will be incorporated into this project. Unpalatable species will be planted in large stock (3-gal) and will have deer repellent applied per label guidelines. Palatable species will be smaller, containerized (9” x 9” x 3” tubling) stock and will be equipped with 5’ Tubex combitubes (or equivalent product) to prevent browse and rub damage.

**Drainage & bank considerations:**  
The stream banks along Herod Run are moderately to severely unstable with many eroding stream banks. Previously, this area served as part of the cattle pasture. However, the stream has since been fenced out in the last 10+ years restricting cattle access to the stream to only a few stabilized crossing locations downstream near the main barn. The fence width ranges from 35 to over 100 feet in some areas, with an estimated average around 50-60 feet.

Prior to planting, this site will undergo an instream restoration project as part of a partnership with the HCCD, WPC, and U.S. Fish and Wildlife Service. This will help stabilize the stream banks and compact vegetation prior to planting, making it easier for the planting contractor to access and plant this area.

---

**Planned buffer information**

**Implementation:**  
A 13.5-acre riparian forest buffer project is proposed to be established along approximately 3,800 linear feet of stream. This buffer will be planted at a density of 150 stems per acre for a total of 2,025 native shrubs and trees. Planting stock will consist of both large (3-gallon) and small (tubling) sized trees and shrubs. Specifically, tree species considered to be unpalatable (less favored) by white-tailed deer will be planted in the large, 3-gallon size stock without tree shelters/tubes. Deer repellent will be added to these...
trees as an additional browse deterrent. Tree species considered palatable (more favored) by deer will be planted in small, tubling size stock and protected with 5’ Tubex combitubes (or equivalent product) and 5’ white oak stakes. All shrub species will be planted in 3-gallon size stock without tree shelters/tubes and applied with deer repellent. Trees will be spaced approximately 15-17 feet apart while shrubs will be spaced 6-8 feet apart. Trees/shrubs will be planted no closer than 12 feet from the existing livestock exclusion fence to ensure the fence can be easily maintained as needed.

Upon completion of planting, implementation (planting) contractor will spot spray a 4’ x 4’ base around each newly planted tree/shrub.

Planting team:
A private contractor will be mutually determined by the landowner, Huntingdon County Conservation District, Western Pennsylvania Conservancy, and the Chesapeake Conservancy. The Chesapeake Conservancy will conduct a competitive bidding process to determine the contractor for this project.

Metrics:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Acres</td>
<td>13.5</td>
</tr>
<tr>
<td>Linear Feet</td>
<td>3,800</td>
</tr>
<tr>
<td>Average Width</td>
<td>100-120 feet</td>
</tr>
<tr>
<td>Proposed Planting Season</td>
<td>Spring 2024</td>
</tr>
<tr>
<td>Stream is</td>
<td>Flowing adjacent to proposed buffer</td>
</tr>
<tr>
<td>Total number of seedlings to be planted</td>
<td>2,025</td>
</tr>
<tr>
<td>Existing species regeneration</td>
<td>Tulip poplar</td>
</tr>
<tr>
<td>Number of live stakes</td>
<td>NA</td>
</tr>
<tr>
<td>Stems per acre</td>
<td>150</td>
</tr>
</tbody>
</table>
Tree and Shrub Selection:

**Trees: Total = 1300**

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
<th>Deer Palatability</th>
<th>Size</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>American sycamore</td>
<td>Platanus occidentalis</td>
<td>Unpalatable</td>
<td>3-gal</td>
<td>150</td>
</tr>
<tr>
<td>Birch spp. (river, black, or paper)</td>
<td>Betula nigra, B. lenta, or B. papyrifera</td>
<td>Unpalatable</td>
<td>3-gal</td>
<td>125</td>
</tr>
<tr>
<td>Black locust</td>
<td>Robinia pseudoacacia</td>
<td>Unpalatable</td>
<td>3-gal</td>
<td>125</td>
</tr>
<tr>
<td>Eastern redbud</td>
<td>Cercis canadensis</td>
<td>Unpalatable</td>
<td>3-gal</td>
<td>100</td>
</tr>
<tr>
<td>Hop hornbeam</td>
<td>Ostrya virginiana</td>
<td>Unpalatable</td>
<td>3-gal</td>
<td>100</td>
</tr>
<tr>
<td>Hackberry</td>
<td>Celtis occidentalis</td>
<td>Unpalatable</td>
<td>3-gal</td>
<td>100</td>
</tr>
<tr>
<td>Paw paw</td>
<td>Asimina triloba</td>
<td>Unpalatable</td>
<td>3-gal</td>
<td>50</td>
</tr>
<tr>
<td>Serviceberry</td>
<td>Amelanchier arborea</td>
<td>Unpalatable</td>
<td>3-gal</td>
<td>50</td>
</tr>
<tr>
<td>Basswood</td>
<td>Tilia americana</td>
<td>Palatable</td>
<td>Small, tubling</td>
<td>50</td>
</tr>
<tr>
<td>Black gum</td>
<td>Nyssa sylvatica</td>
<td>Palatable</td>
<td>Small, tubling</td>
<td>50</td>
</tr>
<tr>
<td>Black walnut</td>
<td>Juglans nigra</td>
<td>Palatable</td>
<td>Small, tubling</td>
<td>50</td>
</tr>
<tr>
<td>Persimmon</td>
<td>Diospyros virginiana</td>
<td>Palatable</td>
<td>Small, tubling</td>
<td>50</td>
</tr>
<tr>
<td>Red maple</td>
<td>Acer rubrum</td>
<td>Palatable</td>
<td>Small, tubling</td>
<td>50</td>
</tr>
<tr>
<td>Red oak</td>
<td>Quercus rubra</td>
<td>Palatable</td>
<td>Small, tubling</td>
<td>50</td>
</tr>
<tr>
<td>Silver maple</td>
<td>Acer saccharinum</td>
<td>Palatable</td>
<td>Small, tubling</td>
<td>50</td>
</tr>
<tr>
<td>Swamp white oak</td>
<td>Quercus bicolor</td>
<td>Palatable</td>
<td>Small, tubling</td>
<td>50</td>
</tr>
<tr>
<td>Tulip poplar</td>
<td>Liriodendron tulipifera</td>
<td>Palatable</td>
<td>Small, tubling</td>
<td>50</td>
</tr>
<tr>
<td>White oak</td>
<td>Quercus alba</td>
<td>Palatable</td>
<td>Small, tubling</td>
<td>50</td>
</tr>
</tbody>
</table>

**Shrubs: Total = 725**

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
<th>Deer Palatability</th>
<th>Size</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>American elderberry</td>
<td>Sambucus canadensis</td>
<td>Unpalatable</td>
<td>3-gal</td>
<td>100</td>
</tr>
<tr>
<td>American hazelnut</td>
<td>Corylus americana</td>
<td>Unpalatable</td>
<td>3-gal</td>
<td>100</td>
</tr>
<tr>
<td>Nannyberry viburnum</td>
<td>Viburnum lentago</td>
<td>Unpalatable</td>
<td>3-gal</td>
<td>100</td>
</tr>
<tr>
<td>Northern spicebush</td>
<td>Lindera benzoin</td>
<td>Unpalatable</td>
<td>3-gal</td>
<td>75</td>
</tr>
<tr>
<td>Winterberry</td>
<td>Ilex verticillata</td>
<td>Unpalatable</td>
<td>3-gal</td>
<td>50</td>
</tr>
<tr>
<td>Witch hazel</td>
<td>Hammelis virginiana</td>
<td>Unpalatable</td>
<td>3-gal</td>
<td>50</td>
</tr>
<tr>
<td>Alder spp.</td>
<td>Alnus spp.</td>
<td>Palatable</td>
<td>3-gal</td>
<td>100</td>
</tr>
<tr>
<td>Buttonbush</td>
<td>Cephalanthus occidentalis</td>
<td>Palatable</td>
<td>3-gal</td>
<td>50</td>
</tr>
<tr>
<td>Dogwood spp. (silky, redosier, gray)</td>
<td>Cornus amomum, C. sericea, C. racemosa</td>
<td>Palatable</td>
<td>3-gal</td>
<td>50</td>
</tr>
<tr>
<td>Highbush blueberry</td>
<td>Vaccinium corymbosum</td>
<td>Palatable</td>
<td>3-gal</td>
<td>50</td>
</tr>
</tbody>
</table>

***Species selection and quantities are amendable, however, the selected planting contractor will make a concerted effort to adhere to the proposed planting list as closely as possible.***
Attach a copy of an aerial photo showing the approximate location of the planting boundary
PA ONE CALL DESIGN SERIAL #: 2024043133 CALL 811 or 1-800-242-1776

Legend
Stream
Existing Fence
Proposed Riparian Planting
Maintenance Plan

Monitoring:
- The project manager, Jennifer Farabaugh, will provide regular site visits to monitor the success of the project. Site visits will be conducted at least once in the Spring and Fall season. Additional site visits may occur as work schedule allows.

Maintenance:
- This riparian planting will be maintained for 2 years (2024-2025) through herbicide spot spraying and deer repellent applications. Spraying will be completed once a year in Fall 2024 and Fall 2025. Deer repellent application will be completed in Spring 2025.
- The tree shelters will be maintained annually for at least 2 years, likely longer based on growth rates and site conditions. Shelters will be removed when timing is appropriate.
- Invasive species control will be completed through herbicide applications once per year in 2024 and 2025.
- The Chesapeake Conservancy will conduct a competitive bidding process to determine the contractor for this project. This contractor will be mutually agreed upon by the landowner, HCCD, Western PA Conservancy, and the Chesapeake Conservancy.

2 years maintenance ensuring successful buffer establishment:

Mowing:

<table>
<thead>
<tr>
<th>Mowing:</th>
<th>Yes, but not required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spacing to accommodate mower:</td>
<td>Normal spacing, 15’ for trees, 5’ for shrubs</td>
</tr>
<tr>
<td>Who will be mowing:</td>
<td>Landowner</td>
</tr>
<tr>
<td>Frequency:</td>
<td>TBD by landowner</td>
</tr>
</tbody>
</table>

Spot Spraying around planted trees/shrubs:

<table>
<thead>
<tr>
<th>Spraying:</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Who will be spraying:</td>
<td>Contractor</td>
</tr>
<tr>
<td>Area of application:</td>
<td>4’ diameter at base of tree/shelter</td>
</tr>
<tr>
<td>Frequency and timeframe:</td>
<td>1x year; Fall 2024 and Fall 2025</td>
</tr>
</tbody>
</table>

Spraying Invasive Species:

<table>
<thead>
<tr>
<th>Spraying:</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Who will be spraying:</td>
<td>Contractor</td>
</tr>
<tr>
<td>Area of application:</td>
<td>TBD by contractor to effectively control invasive and noxious species within buffer footprint</td>
</tr>
<tr>
<td>Frequency and timeframe:</td>
<td>1x year; 2024 and 2025</td>
</tr>
</tbody>
</table>

Monitor and Maintain Tree/Shrub Protections (tubes/shelters):

<table>
<thead>
<tr>
<th>Who will be maintaining:</th>
<th>Contractor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency and timeframe:</td>
<td>1x year; 2024 and 2025</td>
</tr>
</tbody>
</table>
Deer repellent:

<table>
<thead>
<tr>
<th>Deer repellent:</th>
<th>Yes, tablets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Who will apply:</td>
<td>Contractor</td>
</tr>
<tr>
<td>Limitations/conditions:</td>
<td>Annual application (preferably in May-June)</td>
</tr>
<tr>
<td>Area of application:</td>
<td>Base of tree/shrub</td>
</tr>
<tr>
<td>Frequency and timeframe:</td>
<td>1x per year; Spring 2025</td>
</tr>
</tbody>
</table>

**Implementation/Maintenance Timeline**

<table>
<thead>
<tr>
<th>Fall/Winter 23/24</th>
<th>Instream restoration work with U.S. Fish and Wildlife Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring 2024</td>
<td>Riparian buffer planting and initial herbicide application</td>
</tr>
<tr>
<td>Spring 2024</td>
<td>First deer repellent application</td>
</tr>
<tr>
<td>Summer-Fall 2024</td>
<td>First invasive species herbicide control</td>
</tr>
<tr>
<td>Summer-Fall 2024</td>
<td>First shelter maintenance</td>
</tr>
<tr>
<td>Fall 2024</td>
<td>First spot-spray maintenance</td>
</tr>
<tr>
<td>Spring 2025</td>
<td>Second deer repellent application</td>
</tr>
<tr>
<td>Summer-Fall 2025</td>
<td>Second invasive species herbicide control</td>
</tr>
<tr>
<td>Summer-Fall 2025</td>
<td>Second shelter maintenance</td>
</tr>
<tr>
<td>Fall 2025</td>
<td>Second spot-spray maintenance</td>
</tr>
</tbody>
</table>

***Additional maintenance activities beyond 2025 will be funded through alternate Chesapeake Conservancy funding sources.***
Web Soil Map and Survey Data

Bc—Basher silt loam, neutral variant

Map Unit Setting
- National map unit symbol: l5yh
- Elevation: 400 to 800 feet
- Mean annual precipitation: 32 to 45 inches
- Mean annual air temperature: 45 to 54 degrees F
- Frost-free period: 120 to 180 days
- Farmland classification: All areas are prime farmland
Map Unit Composition
- Basher, neutral variant, and similar soils: 90 percent
- Minor components: 5 percent
- Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Basher, Neutral Variant
Setting
- Landform: Flood plains
- Down-slope shape: Linear
- Across-slope shape: Linear
- Parent material: Alluvium

Typical profile
- H1 - 0 to 8 inches: silt loam
- H2 - 8 to 31 inches: silt loam
- H3 - 31 to 55 inches: silt loam
- H4 - 55 to 65 inches: fine sandy loam

Properties and qualities
- Slope: 0 to 3 percent
- Depth to restrictive feature: More than 80 inches
- Drainage class: Moderately well drained
- Runoff class: Low
- Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 2.00 in/hr)
- Depth to water table: About 18 to 36 inches
- Frequency of flooding: None, Occasional
- Frequency of ponding: None
- Available water supply, 0 to 60 inches: Moderate (about 8.7 inches)

Interpretive groups
- Land capability classification (irrigated): None specified
- Land capability classification (nonirrigated): 2w
- Hydrologic Soil Group: C
- Hydric soil rating: No

Minor Components
Newark
- Percent of map unit: 5 percent
- Landform: Flood plains, depressions
- Landform position (two-dimensional): Footslope, toeslope
- Landform position (three-dimensional): Head slope, side slope
- Down-slope shape: Linear, concave
- Across-slope shape: Linear, concave
- Hydric soil rating: Yes

EgC—Edom-Weikert complex, 8 to 15 percent slopes

Map Unit Setting
- National map unit symbol: l5zf
- Elevation: 300 to 3,000 feet
- Mean annual precipitation: 30 to 50 inches
- Mean annual air temperature: 45 to 57 degrees F
- Frost-free period: 120 to 210 days
- Farmland classification: Farmland of statewide importance

**Map Unit Composition**
- Edom and similar soils: 60 percent
- Weikert and similar soils: 20 percent
- Minor components: 10 percent
- Estimates are based on observations, descriptions, and transects of the mapunit.

**Description of Edom**

**Setting**
- Landform: Hills
- Landform position (two-dimensional): Backslope
- Landform position (three-dimensional): Side slope
- Down-slope shape: Convex
- Across-slope shape: Convex
- Parent material: Clayey residuum weathered from limestone and shale

**Typical profile**
- H1 - 0 to 8 inches: silty clay loam
- H2 - 8 to 38 inches: silty clay
- H3 - 38 to 46 inches: very channery silty clay loam
- H4 - 46 to 50 inches: bedrock

**Properties and qualities**
- Slope: 8 to 15 percent
- Depth to restrictive feature: 40 to 72 inches to lithic bedrock
- Drainage class: Well drained
- Runoff class: Medium
- Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 1.98 in/hr)
- Depth to water table: More than 80 inches
- Frequency of flooding: None
- Frequency of ponding: None
- Calcium carbonate, maximum content: 10 percent
- Maximum salinity: Nonsaline (0.0 to 0.2 mmhos/cm)
- Available water supply, 0 to 60 inches: Low (about 5.4 inches)

**Interpretive groups**
- Land capability classification (irrigated): None specified
- Land capability classification (nonirrigated): 3e
- Hydrologic Soil Group: B
- Hydric soil rating: No

**Description of Weikert**

**Setting**
- Landform: Hillslopes
• Landform position (two-dimensional): Shoulder
• Landform position (three-dimensional): Side slope
• Down-slope shape: Convex, linear
• Across-slope shape: Linear, convex
• Parent material: Residuum weathered from siltstone

Typical profile
• H1 - 0 to 6 inches: channery silt loam
• H2 - 6 to 15 inches: very channery silt loam
• H3 - 15 to 19 inches: bedrock

Properties and qualities
• Slope: 8 to 15 percent
• Depth to restrictive feature: 10 to 20 inches to lithic bedrock
• Drainage class: Well drained
• Runoff class: Low
• Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
• Depth to water table: More than 80 inches
• Frequency of flooding: None
• Frequency of ponding: None
• Maximum salinity: Nonsaline (0.0 to 0.2 mmhos/cm)
• Available water supply, 0 to 60 inches: Very low (about 1.2 inches)

Interpretive groups
• Land capability classification (irrigated): None specified
• Land capability classification (nonirrigated): 4e
• Hydrologic Soil Group: D
• Hydric soil rating: No

Minor Components
Opequon
• Percent of map unit: 5 percent
• Hydric soil rating: No

Clarksburg
• Percent of map unit: 5 percent
• Hydric soil rating: No

CbB—Clarksburg silt loam, 2 to 8 percent slopes

Map Unit Setting
• National map unit symbol: I5z4
• Elevation: 200 to 1,500 feet
• Mean annual precipitation: 32 to 48 inches
• Mean annual air temperature: 48 to 57 degrees F
• Frost-free period: 120 to 200 days
• Farmland classification: All areas are prime farmland

Map Unit Composition
• Clarksburg and similar soils: 90 percent
• Minor components: 5 percent
• Estimates are based on observations, descriptions, and transects of the map unit.

**Description of Clarksburg**

**Setting**
- Landform: Valley flats
- Landform position (two-dimensional): Footslope, toeslope
- Landform position (three-dimensional): Base slope
- Down-slope shape: Concave, linear
- Across-slope shape: Linear, concave
- Parent material: Residuum weathered from limestone

**Typical profile**
- H1 - 0 to 8 inches: silt loam
- H2 - 8 to 27 inches: silt loam
- H3 - 27 to 51 inches: silt loam
- H4 - 51 to 84 inches: silt loam

**Properties and qualities**
- Slope: 3 to 8 percent
- Depth to restrictive feature: 20 to 36 inches to fragipan; 60 to 99 inches to
- Drainage class: Moderately well drained
- Runoff class: Medium
- Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.60 in/hr)
- Depth to water table: About 18 to 36 inches
- Frequency of flooding: None
- Frequency of ponding: None
- Available water supply, 0 to 60 inches: Low (about 4.2 inches)

**Interpretive groups**
- Land capability classification (irrigated): None specified
- Land capability classification (nonirrigated): 2e
- Hydrologic Soil Group: C
- Hydric soil rating: No

**Minor Components**

**Thorndale**
- Percent of map unit: 5 percent
- Landform: Depressions
- Landform position (two-dimensional): Footslope
- Landform position (three-dimensional): Base slope
- Down-slope shape: Concave
- Across-slope shape: Concave, linear
- Hydric soil rating: Yes
## Attachment B – RFP Scoring Sheet

Landowner/Job Name: Willard and Betsy Yoder  
BMP# 86  
Project Location: 5033 Yoder Road, Huntingdon, PA 16652

<table>
<thead>
<tr>
<th>Evaluation Criteria / Points</th>
<th>%</th>
<th>Score (1-10)</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adherence to RFP Instructions</td>
<td></td>
<td>10</td>
<td>0</td>
</tr>
<tr>
<td>1 (some documents filled out completely) - 10 (all documents filled out completely)</td>
<td></td>
<td>10</td>
<td>0</td>
</tr>
<tr>
<td>Bid Price</td>
<td></td>
<td>25</td>
<td>0</td>
</tr>
<tr>
<td>1 (highest price) - 10 (lowest price)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bid will not be considered without a price.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insurance Coverages</td>
<td></td>
<td>10</td>
<td>0</td>
</tr>
<tr>
<td>1 (limited insurance) - 10 (meets minimum required insurance)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bid will not be considered without insurance.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Safety Record</td>
<td></td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>1 (did not provide record) - 10 (no reportables/good record)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Confidence in Quality of Work</td>
<td></td>
<td>25</td>
<td>0</td>
</tr>
<tr>
<td>1 (no references provided and unknown) - 10 (references provided and has done great work)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Small, local, diverse business - self identified</td>
<td></td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>1 (no information provided) - 10 (small and local and diverse business)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Construction Schedule Adherence</td>
<td></td>
<td>15</td>
<td>0</td>
</tr>
<tr>
<td>1 (no dates or schedule provided) - 10 (work will be performed within required timeframe)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Planting Guarantee/Warranty</td>
<td></td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>1 (no guarantee or warranty) - 10 (will replant to 100% of original number of stems planted (including non sheltered) after 2 growing seasons)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total -- All Evaluation Points**  
100  
0  
0
Attachment C
Maintenance/Assessment and Spray Report

Project Name: ________________________________

Landowner Name and Site Address: ________________________________

Date of Work: ________________

Contractor/Inspector Name: ________________________________________

Number of trees originally planted (if known): ________________________

Number of live trees counted: ________________  Number of dead trees counted: ________________

Is natural regeneration present (if easily identified):  □ Yes  □ No

Photos: Take 5 photos which best depict the overall conditions of the site

**Noxious/Invasive Plant Species Present and Animal Pressure**
Check all that apply. Specify density and percent coverage:

<table>
<thead>
<tr>
<th>Plant Species</th>
<th>Light</th>
<th>Moderate</th>
<th>Heavy</th>
<th>% Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Autumn Olive</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Buckthorn</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Callery Pear</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Giant Hogweed</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Japanese Barberry</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Japanese Knotweed</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Japanese Stiltgrass</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mile-a-Minute</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multi-flora Rose</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oriental Bittersweet</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Poison Hemlock</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Privet</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Purple Loosestrife</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reed canary grass</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shrub Honeysuckle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tree of Heaven</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other: ________________</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deer Browsing</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Signs of livestock in the buffer</td>
<td></td>
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</tr>
</tbody>
</table>

□ Signs of livestock in the buffer
**Maintenance Requirements** Check all boxes that apply

- **N/A** – Does not apply to the site
- **Good Condition/No Maintenance Required** – Applies to the site but no maintenance is needed at this time
- **Maintenance Completed This Visit** – Maintenance for this task was performed during today’s site visit - Specify approx. number of acres treated
- **Future Maintenance Is Needed** – Maintenance for this task is needed in the future (within the next 6 months) - Specify approx. how many hours is needed

*if maintenance was performed this visit but wasn’t completed and future maintenance is needed for the buffer to function successfully, check both boxes and indicate the number of acres treated (this visit) and how many hours are needed to complete the activity (future visit)*

<table>
<thead>
<tr>
<th>Shelter Maintenance Activities</th>
<th>N/A</th>
<th>Good Condition/No Maintenance Required</th>
<th>Maintenance Performed This Visit</th>
<th>Approx. Treated Acres</th>
<th>Future Maintenance Is Needed</th>
<th>Approx. How Much (# of hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Secure shelters and stakes</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>(Flush or 1” below ground)</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Replace tubes and stakes</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Secure/remove bird netting</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Remove anything inside shelter</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>that isn’t the planted material</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Remove shelters</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

**Manual Maintenance Activities**

- Mowing/weed whacking
- Brush Hog/forest mulching

**Pesticide/Herbicide Maintenance Activities**

- Apply deer repellent
- Spot spray around live planted trees**
- Invasive control/herbicide**

**Contractor must complete attached Spray Report when applying herbicide**

Does contractor recommend replanting?  ☐ Yes  ☐ No  Acres for replanting:__________  Number of Trees for replanting:__________

**Additional Notes:** ________________________________________________________________
# Spray Report

**Applicator Name:** ____________________________ **BU Number:** __________________

**Applicator License Number:** ____________________________ **Expiration Date:** __________________

**Applicator Company Name:** ____________________________________________________________

**Applicator Company Address:** _______________________________________________________

## Application Date and Time:

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Manufacturer</th>
<th>EPA Reg. #</th>
<th>Mix Rate</th>
<th>Amount Solution Applied</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

## Site Address, Landowner Name & Contact Number

<table>
<thead>
<tr>
<th>Site Location</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Equipment Method</th>
<th>Species Treated</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Temperature / Cloud Cover</th>
<th>Wind Speed</th>
<th>Wind Direction</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

**Signature of Applicator:** ____________________________ **Date:** __________________

**Notes:** ________________________________________________________________

*Attach map and show portion of buffer treated*