



FAIRFAX COUNTY PARK AUTHORITY



M E M O R A N D U M

TO: Chairman and Members
Park Authority Board

VIA: Jai Cole, Executive Director

FROM: Kurt Louis, Division Director
Park Operations Division

DATE: September 16, 2021

Agenda

**Park Operations Committee
(Committee of the Whole)
Wednesday, September 22, 2021 – 6:10 pm
Boardroom – Herrity Building
Chairman: Linwood Gorham
Vice Chair: Mike Thompson**

1. Approval – Frying Pan Farm Park - Mastenbrook Volunteer Matching Fund Grant Program Request – Friends of Frying Pan Farm Park (with presentation) – Action*

*Enclosures



If accommodations and/or alternative formats are needed, please call (703) 324-8563. TTY (703) 803-3354

Board Agenda Item
October 13, 2021

ACTION

Frying Pan Farm Park – Mastenbrook Volunteer Matching Fund Grant Program Request – Friends of Frying Pan Farm Park (Hunter Mill District)

ISSUE:

Approval of a Mastenbrook Volunteer Matching Fund Grant Program request from the Friends of Frying Pan Farm Park in the amount of \$20,000 to help fund a forest restoration project at Frying Pan Farm Park.

RECOMMENDATION:

The Park Authority Director recommends approval of the Mastenbrook Volunteer Matching Fund Grant Program request from the Friends of Frying Pan Farm Park in the amount of \$20,000 to help fund a forest restoration project at Frying Pan Farm Park.

TIMING:

Board action is requested on October 13, 2021, in order to award the grant.

BACKGROUND:

The Friends of Frying Pan Farm Park, continuing a long tradition of generous support, seeks to assist the Park Authority with a forest restoration project at Frying Pan Farm Park (Attachment 1). The four acres of forest that this project will help to restore are heavily degraded by human activity, invasive species, and overabundance of white-tailed deer. Restoration treatments will put the forest on a trajectory toward growing into a high-quality oak-hickory forest which provides improved habitat for wildlife.

Healthy native forests provide a variety of ecosystem benefits such as clean water, clean air, soil stabilization, wildlife habitat, biodiversity and recreational opportunities. The proposed forest restoration project will restore four acres of Frying Pan Farm Park's currently degraded ecosystem and thereby enhance ecosystem services to Fairfax County residents. In addition, the project will provide valuable interpretive opportunities for the 700,000 or more visitors to Frying Pan Farm Park annually. Onsite and digital interpretive programs will educate visitors on the park's unique forest communities, native biodiversity, and the importance of restoring degraded ecosystems. Volunteers will be engaged in the project to help complete it and sustain its impact.

Expected to take place over three years, the project will include removal of invasive plant species, installation of deer enclosure fencing, and planting of desirable native trees such as oaks and hickories. These treatments, occurring in year one of the project, will be followed by additional invasive plant control methods in years 2 and 3.

Board Agenda Item
October 13, 2021

Friends of Frying Pan Farm Park is requesting \$20,000 from the Mastenbrook Volunteer Matching Fund Grants Program to help fund the four-acre forest restoration project (Attachment 2.) If approved, the \$20,000 from the Mastenbrook Volunteer Matching Fund Grant program, along with an initial \$24,540.67 donation from the Friends of Frying Pan Farm Park, followed by an additional donation of \$11,158.00 from the Friends of Frying Pan Farm Park in years 2 and 3, will provide the funding sufficient to complete the project. The total project budget is \$55,698.67.

The Park Authority Board Member for the Hunter Mill District supports approval of the Grant request. Staff from the Resource Management Division's Natural Resources Branch will manage the project, which is scheduled to be completed by FY24. Matching funds are available to complete this project.

FISCAL IMPACT:

The estimated total project cost is \$55,698.67. Funds are currently available in the amount of \$20,000 in WBS PR-000091, Park Renovations and Upgrades - 2016, in Fund 300-C30400, Park Bond Construction Fund; and \$35,698.67 to be donated by the Friends of Frying Pan Farm Park, resulting in the total available funding of \$55,698.67. Ongoing maintenance will be managed and funded through Natural Resource Branch program funding.

Contingent on the approval of this project, the remaining balance in the Mastenbrook Volunteer Matching Fund Grant Program will be \$50,449.23.

ENCLOSED DOCUMENTS:

Attachment 1: Aerial showing Grant Project Area at Frying Pan Farm Park

Attachment 2: Mastenbrook Volunteer Matching Fund Grant Request – Friends of Frying Pan Farm Park

STAFF:

Jai Cole, Executive Director

Sara Baldwin, Deputy Director/COO

Aimee L. Vosper, Deputy Director/CBD

Cindy Walsh, Director, Park Services Division

Michael R. Peter, Director of Business Administration

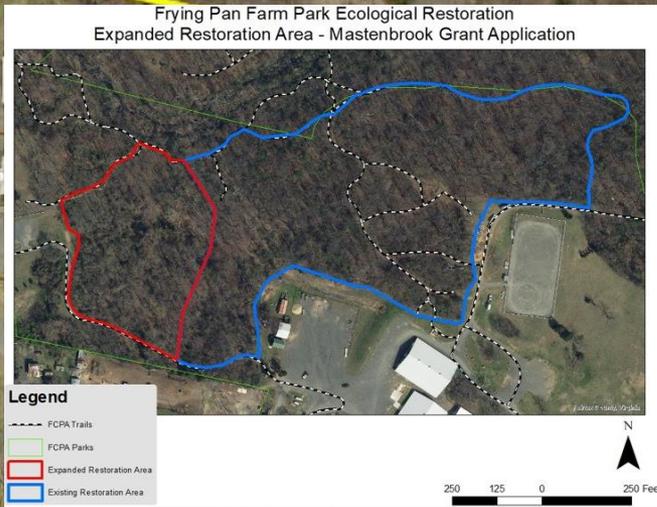
Kurt Louis, Director, Park Operations Division

Dan Sutherland, Manager, Park Management Branch, Park Operations Division

Bobbi Longworth, Director, Park Foundation

Frying Pan Farm Park

Project Area



Mastenbrook Grant Application

1. Grantee Information

Name of Individual or Organization: Friends of Frying Pan Farm Park

Contact Person: Jack Pitzer, President

Mailing Address: 2709 West Ox Road, Herndon, VA 20171

Phone: (703) 627-9424

Email: editorjack@aol.com

2. Project Title: Frying Pan Farm Park Forest Restoration

3. Funding Requested

Project costs for Year 1 of a 3-year Forest Restoration project at Frying Pan Farm Park total \$44,540.67 (see proposed budget below). Friends of Frying Pan Farm Park requests \$20,000.00 of Mastenbrook Grant funding, and will provide the remaining \$24,540.67 to support Year 1 of the restoration project, followed by an additional \$11,158 in funding over the course of the project. These funding sources will achieve the total project funding of \$55,698.67 which is needed for the full 3-year restoration project.

4. Project Description

Fairfax County Park Authority's Natural Resources Branch (NRB) is currently in year two of a five-year forest restoration project at Frying Pan Farm Park (FPFP). The restoration project is part of the countywide Helping Our Land Heal (HOLH) program, which aims to restore degraded forest, wetland, and grassland habitats on parklands throughout Fairfax County. In 2019, NRB ecologists identified 16 acres of forest within FPFP in need of restoration treatments. Restoration work began in 2020 on 12 acres, supported by bond funding. Mastenbrook Grant funding will help to support the remaining four acres of forest that need restoration treatments. Project boundaries can be found on the attached map.

The four acres of forest that this grant will help to restore are heavily degraded by human activity, invasive species, and overabundance of white-tailed deer. Trees within this project area are declining, wildlife habitat quality is poor, native biodiversity is low, and invasive plant species predominate. Heavy browsing by white-tailed deer prevents regeneration of important native tree species, such as oak and hickory. Without restoration treatments, this area will continue to degrade.

Restoration treatments will occur over three years; this application seeks funding for treatments in year one. Restoration treatments in year one will include removal of invasive plant species, installation of deer exclosure fencing, and planting of desirable native trees such as oaks and hickories. Restoration treatments will put the forest on a trajectory toward growing into a high-quality oak-hickory forest. See attached photos for a representation of current conditions and desired future conditions.

5. Public Benefits

Healthy native ecosystems provide a variety of ecosystem services that benefit the citizens of Fairfax County such as clean water, clean air, soil stabilization, wildlife habitat, biodiversity, and recreational opportunities. Degraded ecosystems, such as those currently present at Frying Pan Farm Park, do not provide the same level of ecosystem services. This project will restore Frying Pan's forest ecosystem along with the ecosystem services that they provide to the residents of Fairfax.

Frying Pan is also home to a globally rare forest community known as a Northern Hardpan Basic Oak-Hickory Forest. Restoring this forest type will preserve an important aspect of Fairfax County's natural heritage for the appreciation and enjoyment of county residents. This ecosystem occurs only on an uncommon soil type in isolated areas through Virginia and other Mid-Atlantic states. Most occurrences of this forest type have been degraded or destroyed by urban development; Frying Pan's occurrence is degraded and in need of restoration treatments.

Lastly, this project will provide valuable interpretive opportunities for the 700,000 visitors that Frying Pan Farm Park sees annually. Onsite interpretive programs will educate visitors on Frying Pan's unique forest communities, native biodiversity, and the importance of restoring degraded ecosystems. Digital content will supplement onsite programming. The project will also incorporate a volunteer program where residents will be able to participate in the restoration process.

6. Sponsor Commitment

Friends of Frying Pan Farm Park have submitted several successful Mastenbrook Grant applications in the past. If the application is approved, the funds would be transferred to the Fairfax County Park Foundation where the funds can then be accessed by the Natural Resources Branch project manager and applied to the project.

NRB ecologists and project managers will be responsible for organizing and managing the work to ensure successful project completion. Project management responsibilities will be rolled into the existing Helping Our Land Heal (HOLH) project at Frying Pan Farm Park, which is currently managed by NRB ecologist Michael Heyn. All HOLH projects include extensive documentation including a detailed budget and expenditure sheet, informal written documentation of project progress, photo documentation, and an official final progress report upon project completion.

Upon project completion, it is expected that the project will require periodic maintenance every 3-5 years to prevent regression to an ecologically degraded state. This maintenance will include spot application of herbicide to invasive species, deer fence maintenance, tree planting maintenance, and collection of ecological data. Several of these tasks can be accomplished by a volunteer program that has already been established. NRB is currently exploring options to fund maintenance tasks that cannot be accomplished by volunteers.

7. Proposed Budget

This will be a multi-year project; the funding this grant application seeks will help implement Year 1 of the project, which is expected to account for approximately 80% of the total 3-year project costs. The full costs by year are shown in the table below. Estimated costs are supported by attached contractor proposals. Staff time to manage the project will be paid through existing budgetary resources.

Pricing Estimates for Forest restoration at Frying Pan Farm Park

Company	Activity	Cost
Conservation Services	Planting Oak Seedlings?	\$18,170.00
RX Fire Effects	Fencing installation	\$7,500.00
Trident Fence	Fencing material	\$7,088.67
Invasive Plant Control	Invasive Pnat Control Yr 1	\$11,782.00
Year 1 Total Costs		\$44,540.67
Invasive Plant Control	Invasive Pnat Control Yr 2	\$5,946.00
Invasive Plant Control	Invasive Pnat Control Yr 3	\$5,212.00
3-Year Total		\$55,698.67

8. Funding Process:

The Park Authority prefers to reimburse grantees after the work is completed. Please check one of the following:

- We understand that we will receive the grant funds from the Park Authority after we complete the project and furnish receipts with our letter requesting payment.
- We must have the Park Authority pay the grant-funded portion of project costs during the course of the project. (Grant funds are remitted directly to vendors or suppliers, not to the grantee.)

The Friends of Frying Pan Farm Park have submitted successful Mastenbrook Grant Applications in the past where Fairfax County Park Authority staff managed the expenditure of the funds. That would be the intent with this request, so that NRM staff can implement the project. If the project is approved for a funding match, Friends of Frying Pan Farm Park would donate their portion of the funds for Year 1 through the Fairfax County Park Foundation. The donated funds and matching Mastenbrook Funds would be placed in a special funding code for Fairfax County Park Authority staff to access to carry out the project.

Signature _____ **[Signature Page attached]** _____ Date _____

Submit application to: Fairfax County Park Authority
 12055 Government Center Parkway,
 Suite 927
 Fairfax, Virginia 22035-1118

For Official Use Only
 Date Received: **July 29, 2021**
 Delivery Method: **Email**

8. Funding Process:

The Park Authority prefers to reimburse grantees after the work is completed. Please check one of the following:

We understand that we will receive the grant funds from the Park Authority after we complete the project and furnish receipts with our letter requesting payment.

We must have the Park Authority pay the grant-funded portion of project costs during the course of the project. (Grant funds are remitted directly to vendors or suppliers, not to the grantee.)

The Friends of Frying Pan Farm Park have submitted successful Mastenbrook Grant Applications in the past where Fairfax County Park Authority staff managed the expenditure of the funds. That would be the intent with this request, so the RMB staff can implement the project. If the project is approved for a funding match, Friend of Frying Pan Farm Park would donate their portion of the funds through the Fairfax County Park Foundation. The donated funds and matching Mastenbrook Funds would be placed in a special funding code for Fairfax County Park Authority staff to access to carry out the project.

Signature Jack Pitzer Date 1.27.21

Submit application to: Fairfax County Park Authority
12055 Government Center Parkway,
Suite 927
Fairfax, Virginia 22035-1118

Attn: Julie Tahan, Community Support Specialist
Park Operations Division
703-324-8740
Julie.tahan@fairfaxcounty.gov

For Official Use Only

Date Received 7-29-2021

Delivery Method E-mail



*Planting hardwood
seedlings for tomorrow's forest*

*1620 N. Delphine Ave
Waynesboro, VA 22980*

*(540) 941-0067
(877) 257-4042
Fax: (540) 941-1929*

*trees@conservationservicesinc.com
www.conservationservicesinc.com*

To: Michael Heyn of Fairfax County Parks Dept.
From: Nick Faircloth – Conservation Services, Inc.
Date: May 5, 2021
Regarding: Price Quote for Frying Pan Park

Dear Michael,

Here is the quote for the planting at frying pan park. It gives the general cost of materials if planted with specs similar to those you gave for the planting in the fall of 2020. Note, if you decide to put this planting out for bid, this wouldn't be our official bid. However, hope that it helps you in the grant process.

Thanks for reaching out.

Sincerely,

Price Quote

The following is a price quote for planting 5 acres at 800 TPA. Oak seedlings would be spec'ed at >24" from the root collar.

Price per acre: \$4,542.50

Price for planting 4 acres: \$18,170.00



QUOTE

Date: 6/10/2021
Quote # 2117

TO: **Fairfax County Park Authority**

12055 Government Center Pkwy
Fairfax, Virginia 22035
Phone: 1-703-324-8700

RX Fire Effects
6089 Faughts Rd
Mt Crawford VA 22841
540-435-6410

Contact	Job	Payment Terms	Date
Mike Heyn	Fence Construction Frying Pan Unit #1	Due Upon Completion	6/10/2020

Qty	Description	Unit Price	Line Total
1,800'	Construction of New Exclusion Fence	\$7000.00	\$7000.00
	- 1,800' total length		
	- Brushing		
	- Pole/Hardware installation		
	- Fence material		
1	Supplies, Fuel, Travel, Per Diem, Lodging	\$500.00	\$500.00
		Subtotal	\$7,500.00
		Sales Tax	0
		Total	\$7,500.00

Make all checks payable to **RX Fire Effects**
Credit Card payments available via QuickBooks

Thank You for Your Business

Quote # 77247

Trident Enterprises/DeerBusters.com

144 Cleveland Ave.
Waynesboro, PA 17268
P:888-422-3337
E:customerservice@deerbusters.com



Quote #: 77247
PO #:
Quote Date: 23 Apr 2021 08:17

Bill To: Michael Heyn
Frying Pan Farm Park
2739 West Ox Rd
Herndon VA 20171
United States

(908) 268-6156

Ship To: Michael Heyn
Frying Pan Farm Park
2739 West Ox Rd
Herndon VA 20171
United States

(908) 268-6156

Item name	SKU	Qty	Price	Tax	Total
8' x 330' C Flex Select	DE1083	6	\$332.4525	\$0.00	\$1994.72
8 Gauge Monofilament Line Black - 1666'	DE2820-1666	2	\$229.9500	\$0.00	\$459.90
12 Kinked Ground Stakes - 250 pk » 12 Kinked Ground Stakes - 30 pk x 8 » 12 Ground Stakes Kinked - 10 pk x 1	DE2878-250	2	\$174.9500	\$0.00	\$349.90
8" High Strength Nylon Self Locking Ties - 1000 pk » 8" High Strength Nylon Self Locking Ties - 100 pk x 10	DE2855	1	\$99.9500	\$0.00	\$99.95
8' H Deer Fence Heavy Line Posts - 61 pk » Vinyl Cap Insert For 1 5/8" Post x 61 » 17 Gauge Black Powder Coated Galvanized Steel Pipe 1 5/8" x 108 x 61 » Black Ground Sleeve For 1 5/8" Posts x 61	DE2180-61	2	\$1649.9500	\$0.00	\$3299.90
9/16" Hog Rings Class I Galvanized - 2500 pk	DE2872	3	\$21.9500	\$0.00	\$65.85
Monofilament Alignment Band for 1 5/8" Line Posts - 21 pk » Monofilament Alignment Band for 1 5/8" Line Posts x 21	DE8468-21	9	\$55.9500	\$0.00	\$503.55
Vinyl Cap Insert For 1 5/8" Post	DE8089	122	\$0.9500	\$0.00	\$115.90
Earth Anchor 27" x 1/2" For Outside Corner Support	DE2848	20	\$9.9500	\$0.00	\$199.00

Subtotal **\$7088.67**

Non Taxable @ 0% \$0.00

Total **\$7088.67**

Paid to date \$0.00



INVASIVE PLANT CONTROL, INC.

Kayla Cross
Mid-Atlantic Regional Manager
Kayla.ipc@gmail.com
(615) 478-4375
PO Box 50556
Nashville, TN 37205

ATTENTION:

Michael Heyn
Restoration Ecologist
Fairfax County Park Authority
Michael.Heyn@fairfaxcounty.gov
February 15, 2021

Frying Pan Farm Park – 2021 Sections 1 & 2
Contact Number: 4400008887

ASSUMPTIONS & RECOMMENDATIONS

- Sections for Frying Pan Farm Park are listed below with specific treatment instructions.

The IPC crew will complete the treatments as described below.

COST SHEET

Frying Pan Farm Park 2021

FP1 2021 1.76 acres

- Cut and treat all invasives and Grape vines using 50% Rodeo
- Foliar treat all perennial invasives, Japanese Stiltgrass and Grape using a mixture of 2% Rodeo and 2% Garlon 3A
- Do not treat biennials and annuals such as Garlic Mustard
- Use extra care to protect native herbs and Oak/Hickory saplings

Year 1

Position/Chemical	Unit Cost	Unit Type	Units	Total Cost
Crew Leader	\$90.00	Hours	28	\$2,520.00
Crew Tech	\$66.00	Hours	28	\$1,848.00
Rodeo	\$30.00	Gallons	2	\$60.00

Garlon 3A	\$80.00	Gallons	2	\$160.00
Total Cost				\$4,588.00

Year 2

Position/Chemical	Unit Cost	Unit Type	Units	Total Cost
Crew Leader	\$90.00	Hours	12	\$1,080.00
Crew Tech	\$66.00	Hours	12	\$792.00
Rodeo	\$30.00	Gallons	1	\$30.00
Garlon 3A	\$80.00	Gallons	1	\$80.00
Total Cost				\$1,982.00

Year 3

Position/Chemical	Unit Cost	Unit Type	Units	Total Cost
Crew Leader	\$90.00	Hours	12	\$1,080.00
Crew Tech	\$66.00	Hours	12	\$792.00
Rodeo	\$30.00	Gallons	1	\$30.00
Garlon 3A	\$80.00	Gallons	1	\$80.00
Total Cost				\$1,982.00



FP2 2021 2.75 acres

- Cut and treat all invasives and Grape vines using 50% Rodeo
- Foliar treat all perennial invasives, Japanese Stiltgrass and Grape using a mixture of 2% Rodeo and 2% Garlon 3A
- Do not treat biennials and annuals such as Garlic Mustard
- Use extra care to protect native herbs and Oak/Hickory saplings and Cinna Grass species
- Spot treat Japanese Stiltgrass only if no Cinna is at risk

Year 1

Position/Chemical	Unit Cost	Unit Type	Units	Total Cost
Crew Leader	\$90.00	Hours	44	\$3,960.00
Crew Tech	\$66.00	Hours	44	\$2,904.00
Rodeo	\$30.00	Gallons	3	\$90.00
Garlon 3A	\$80.00	Gallons	3	\$240.00
Total Cost				\$7,194.00

Year 2

Position/Chemical	Unit Cost	Unit Type	Units	Total Cost
Crew Leader	\$90.00	Hours	24	\$2,160.00
Crew Tech	\$66.00	Hours	24	\$1,584.00
Rodeo	\$30.00	Gallons	2	\$60.00
Garlon 3A	\$80.00	Gallons	2	\$160.00
Total Cost				\$3,964.00

Year 3

Position/Chemical	Unit Cost	Unit Type	Units	Total Cost
Crew Leader	\$90.00	Hours	20	\$1,800.00
Crew Tech	\$66.00	Hours	20	\$1,320.00
Rodeo	\$30.00	Gallons	1	\$30.00
Garlon 3A	\$80.00	Gallons	1	\$80.00
Total Cost				\$3,230.00

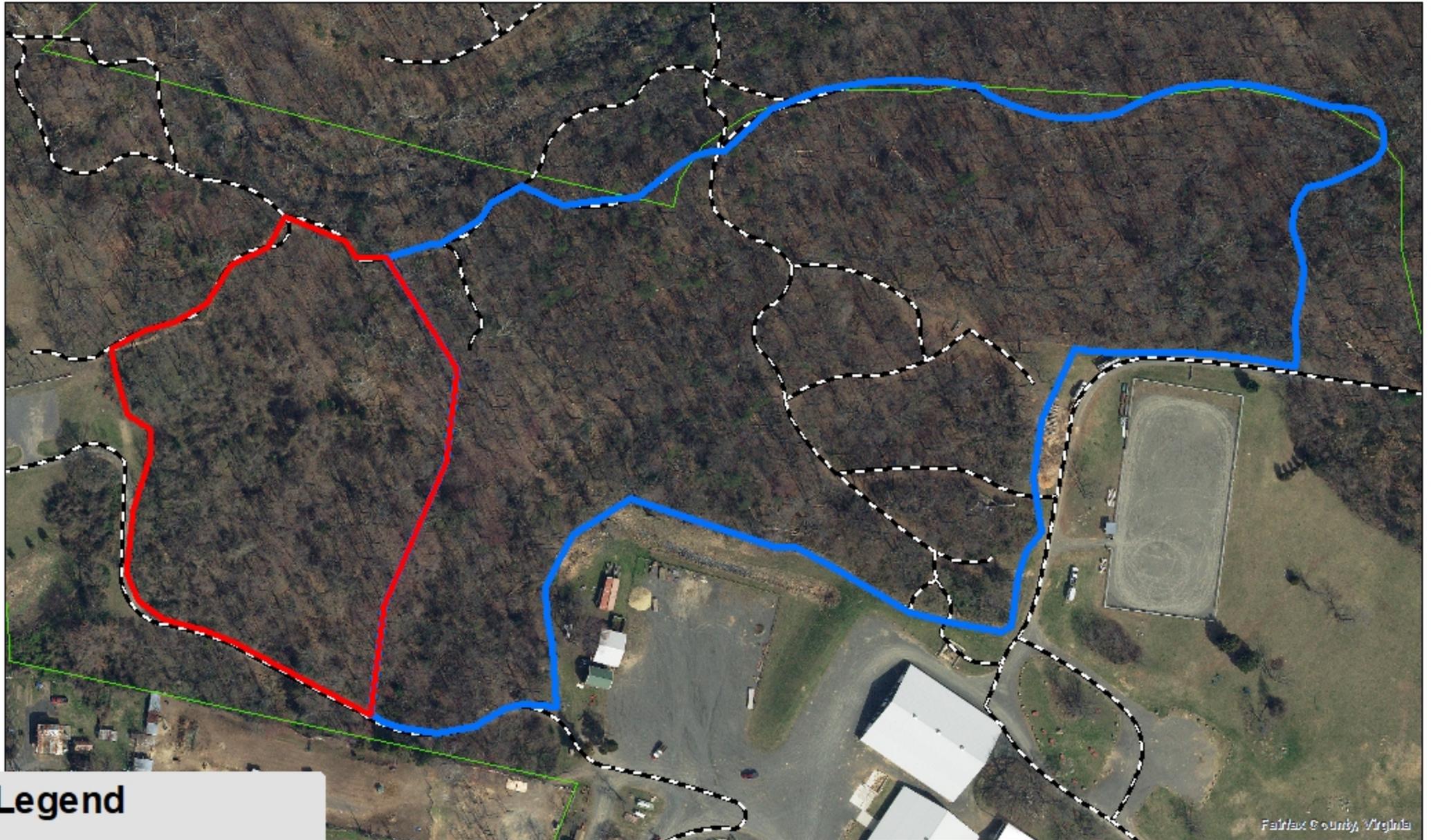


Total for year 1 - \$11,782.00

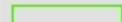
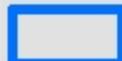
Total for year 2 - \$5,946.00

Total for year 3 - \$5,212.00

Frying Pan Farm Park Ecological Restoration Expanded Restoration Area - Mastenbrook Grant Application



Legend

-  FCPA Trails
-  FCPA Parks
-  Expanded Restoration Area
-  Existing Restoration Area



**MASTENBROOK VOLUNTEER
MATCHING FUND GRANT REQUEST**

Friends of Frying Pan Farm Park

Forest Restoration Project at Frying Pan Farm Park

September 22, 2021

PROJECT BUDGET:

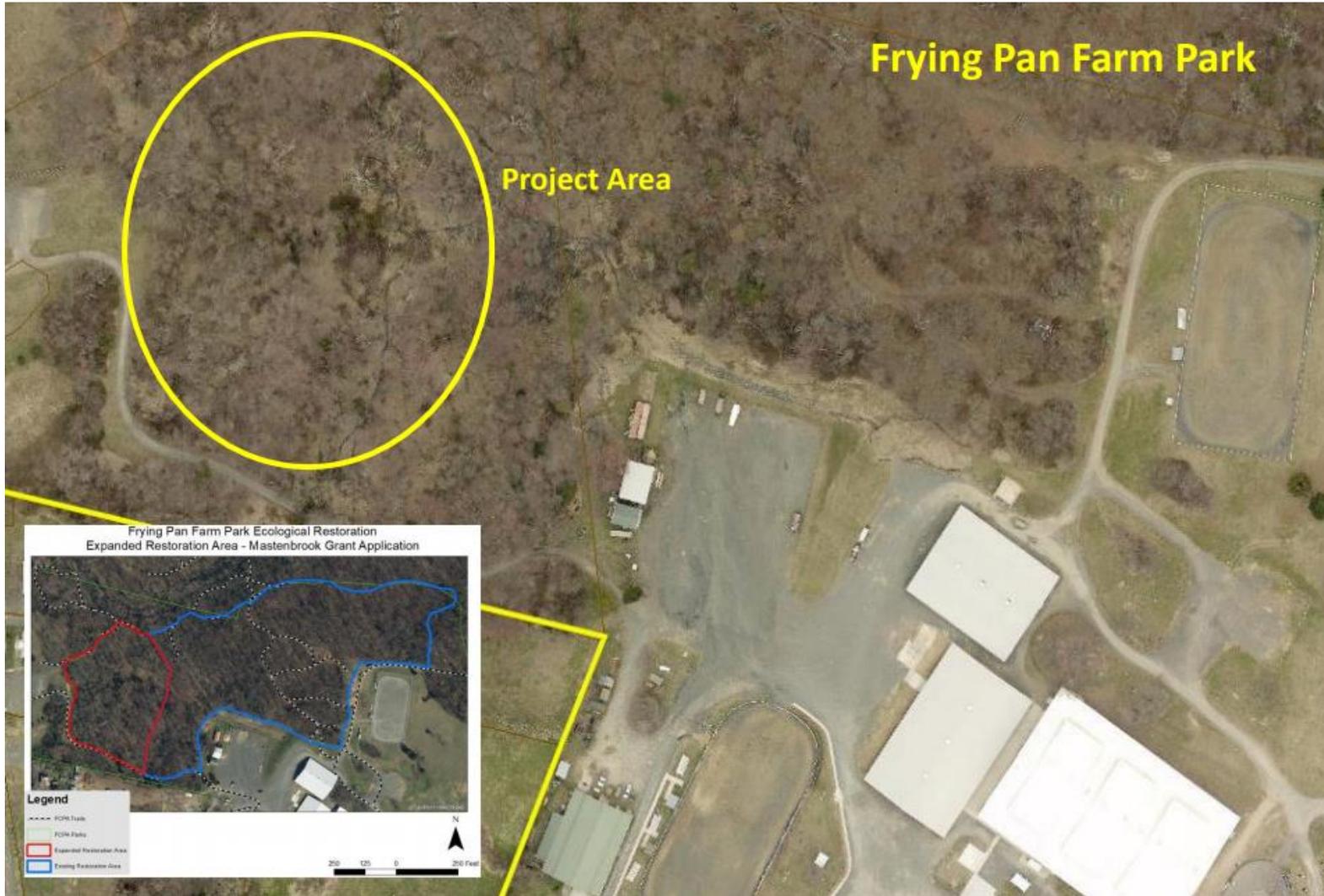
- ▶ \$44,540.67 - Year 1 Costs (Seedlings, exclosure fencing, Invasives control)
- ▶ \$ 5,946.00 - Year 2 Costs (Invasives control)
- ▶ \$ 5,212.00 - Year 3 Costs (Invasives control)
- ▶ **\$55,698.67** TOTAL PROJECT COST

PROPOSED FUNDING:

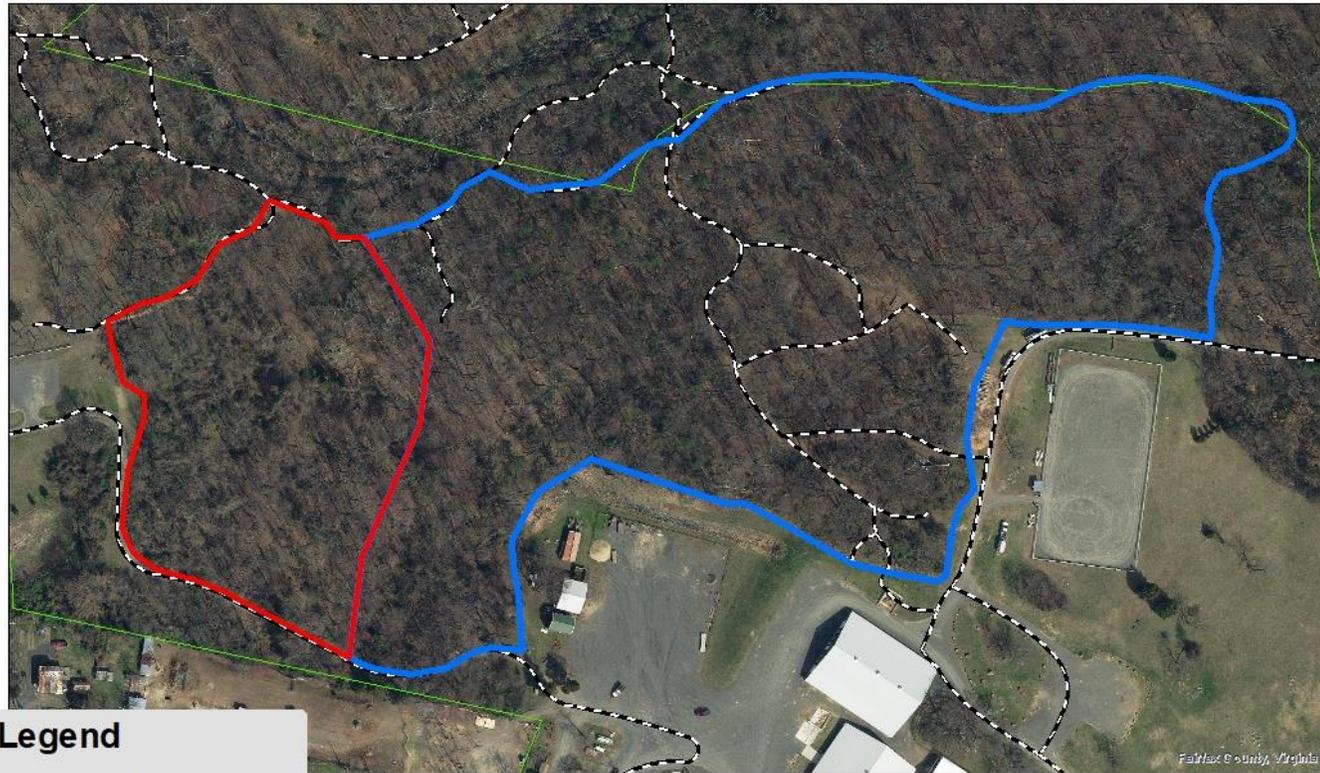
- ▶ \$20,000.00 - Mastenbrook Matching Grant Fund
- ▶ \$35,698.67 - Friends of Frying Pan Farm Park

Frying Pan Farm Park

Project Area



Frying Pan Farm Park Ecological Restoration Expanded Restoration Area - Mastenbrook Grant Application



Legend

- FCPA Trails
- FCPA Parks
- Expanded Restoration Area
- Existing Restoration Area

250 125 0 250 Feet

Existing Conditions





Desired Project Outcome

FISCAL IMPACT:

- ▶ \$20,000 in WBS PR-000091, Park Renovations and Upgrades-2016, Fund 300-C30400, Park Bond Construction Fund
- ▶ If approved, balance in Mastenbrook Volunteer Matching Fund Grant Program will be \$50,449.23.