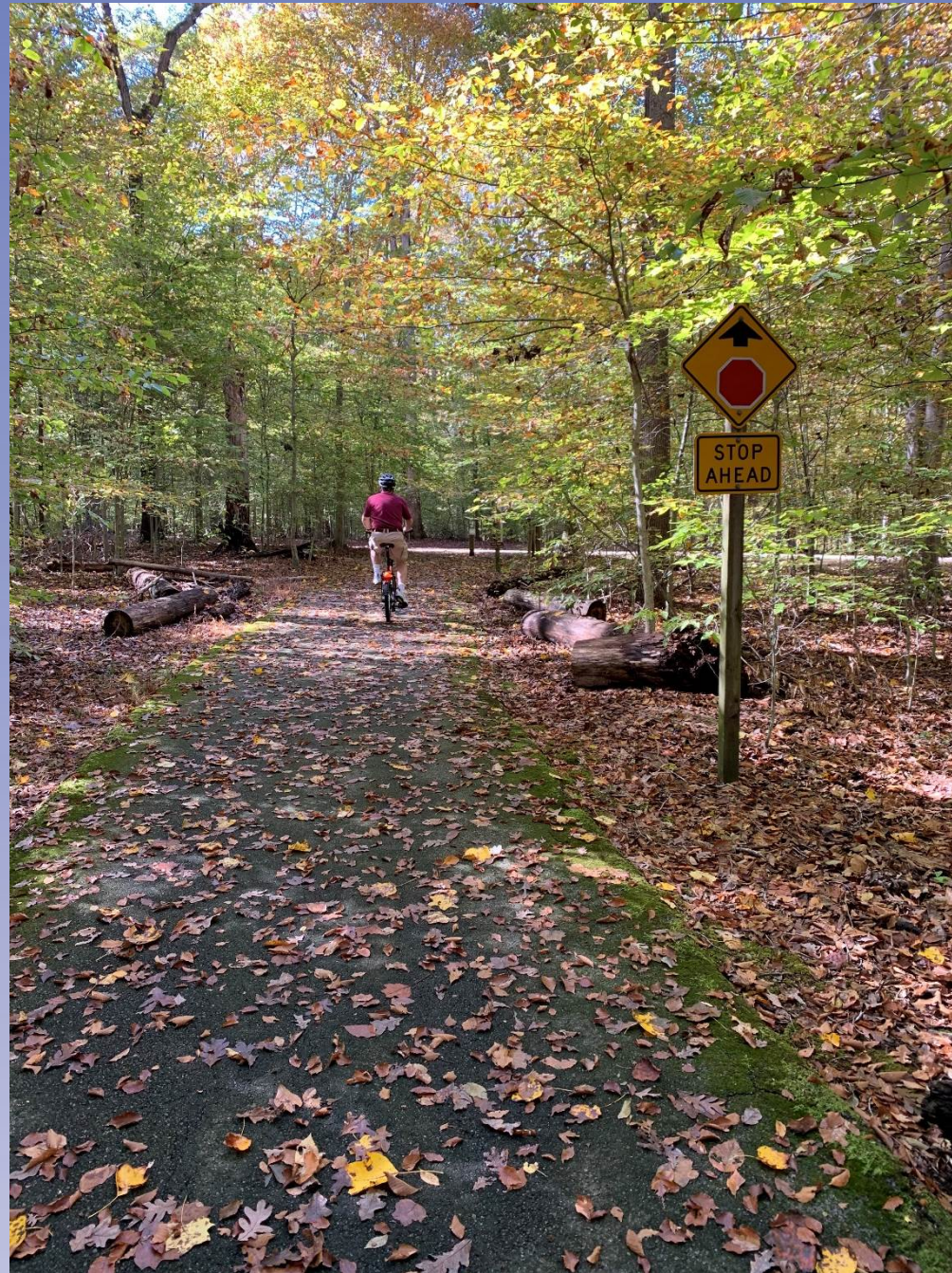


# 2019-2020 Public Lands Transportation Fellows Program



Presented by: Amanda Daisey and  
Naomi Fireman,  
Potomac River NWR Complex



# Webinar logistics

- Duration is 11:00 AM – 12:00 PM Eastern
- Webinar – recorded and archived. For quality of recording, phone will be muted during presentation
- If listening on the phone, please mute your computer
- To maximize the presentation on your screen click the 4 arrows in the top right of the presentation
- At the end there will be time for Q&A



# Today's Presenters



**Amanda Daisey**

Refuge Manager

Potomac River National Wildlife Refuge (NWR) Complex



**Naomi Fireman**

Public Lands Transportation Fellow (PLTF)

Potomac River National Wildlife Refuge (NWR) Complex



# Goal of this Webinar

To document and archive the work completed by the PLTF at the Potomac River NWR Complex from 2019-2020, including her lessons learned and tips and tricks for applying these to other USFWS units.



# Audience for this Webinar

- Today:
  - Educate unit, regional, and headquarters staff for public lands agencies on what a Fellow in the program can accomplish.
- Future:
  - Intended as a training for future classes of PLTF and will be used at orientation.



# Agenda

1. Introduction by Refuge Manager
2. Presenter Profile
3. Foundational Documents
4. Project List
5. Projects & Lessons Learned
6. General Suggestions
7. Acknowledgements
8. Q & A

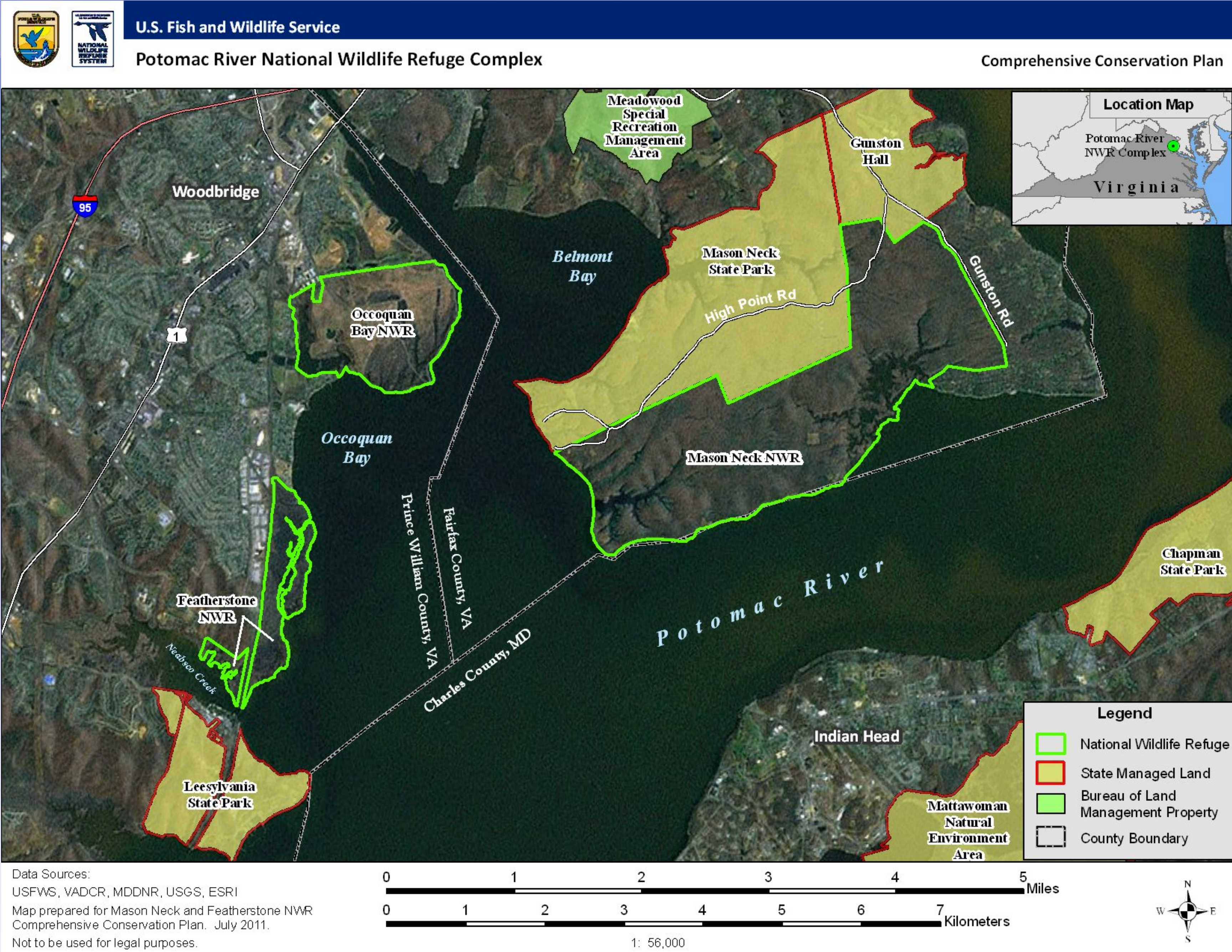




# Potomac River National Wildlife Refuge Complex

Source: Bill Wallen





Source: Les Vilchek



Source: Randy Streufert

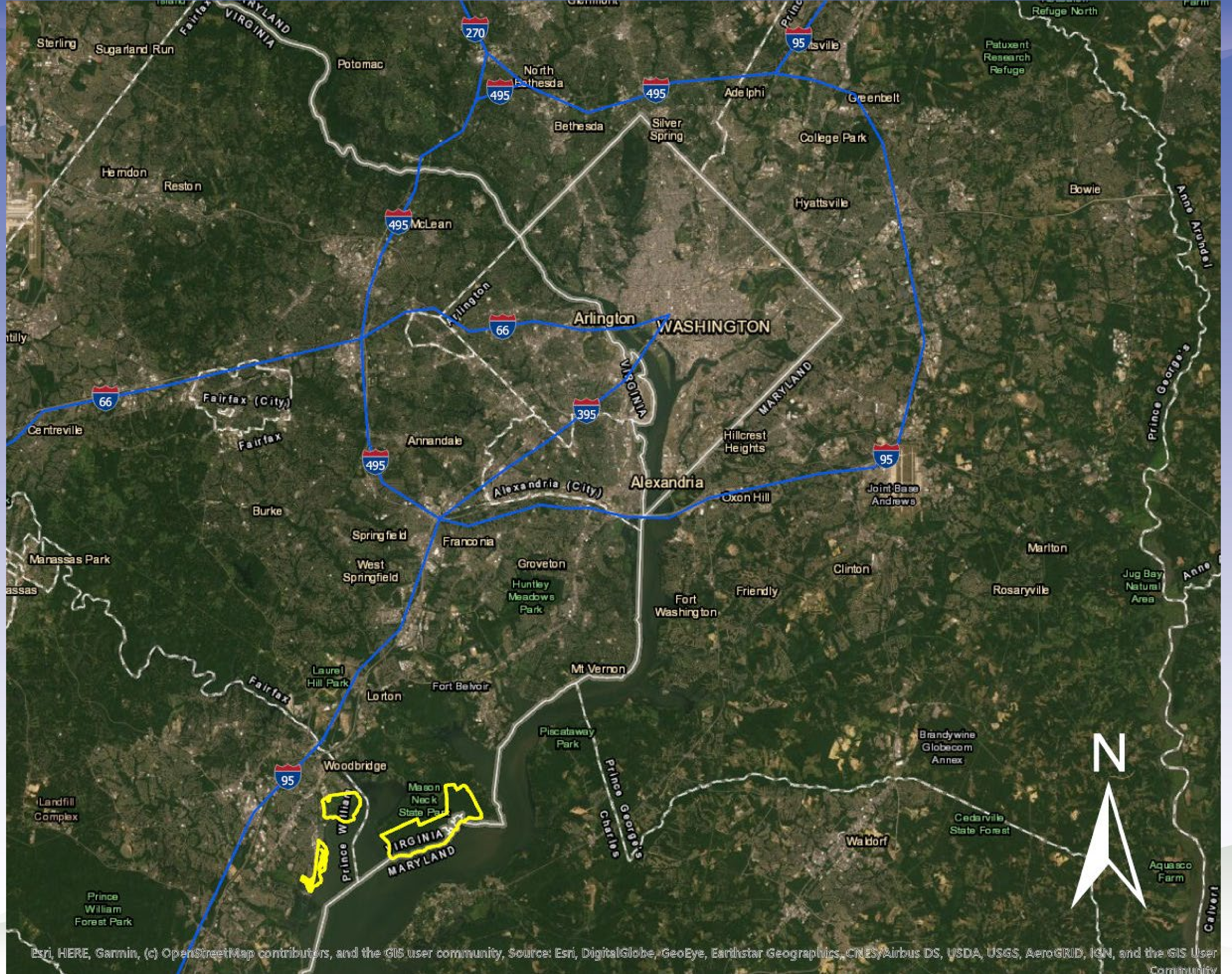


Source: Randy Streufert

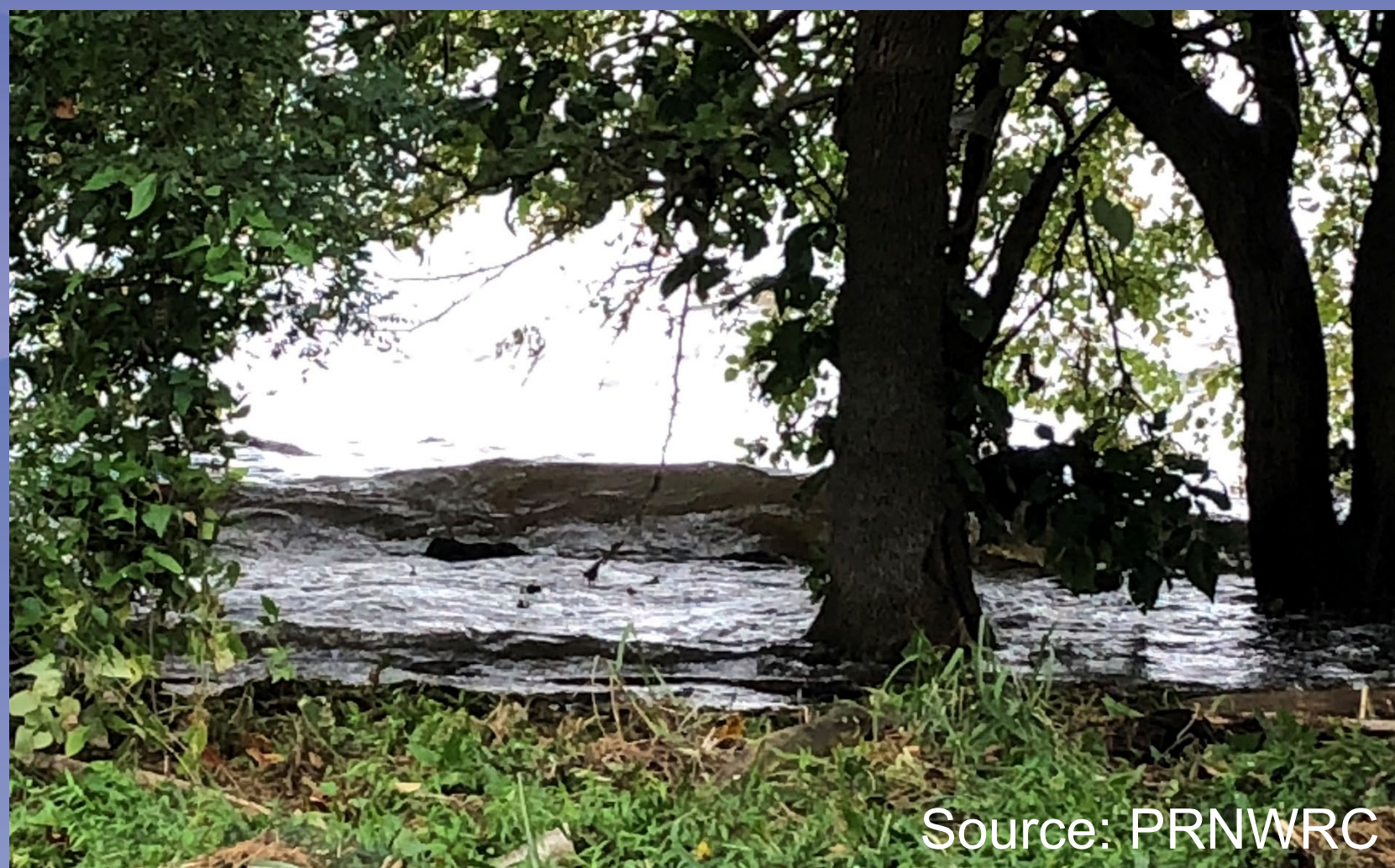


Source: PRNWRC





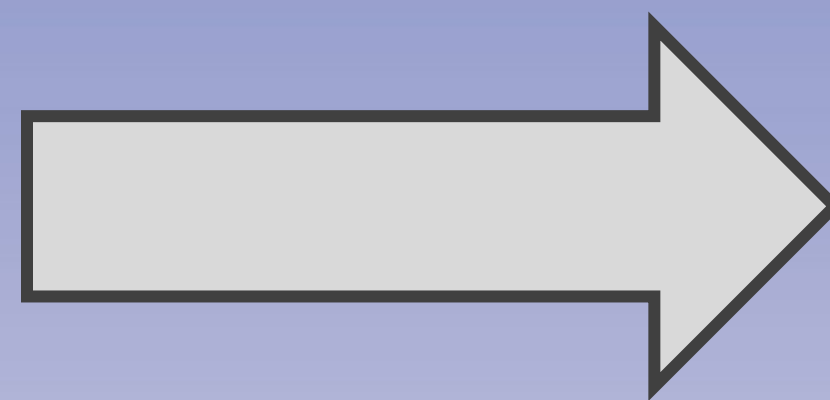




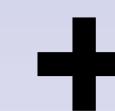
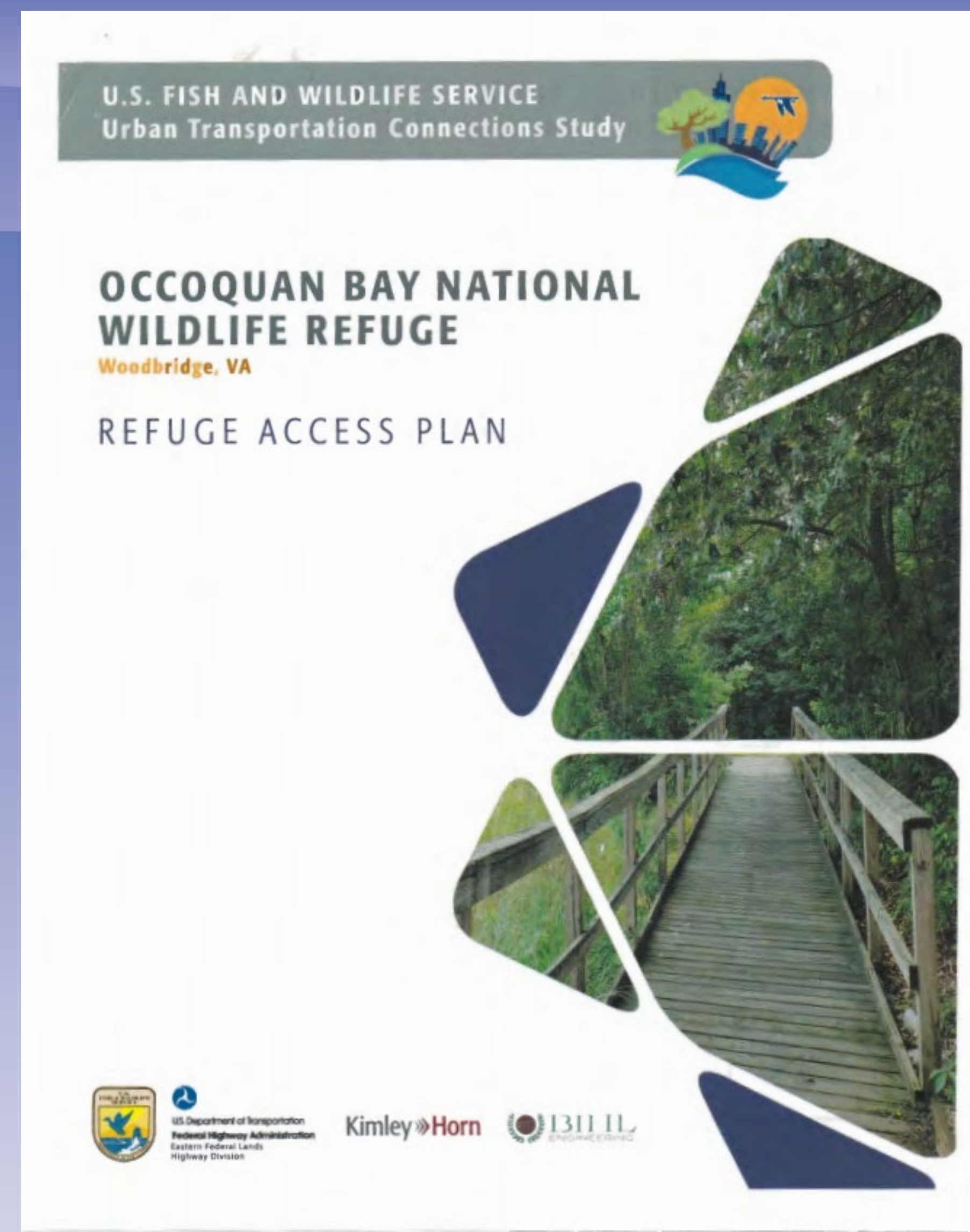
Source: PRNWRC



Source: ArmyArchiveHDL



Source: M & J Engineering



## Public Lands

### TRANSPORTATION FELLOWS PROGRAM







# 3 Refuges Become 1: Connectivity and Accessibility at the Potomac River National Wildlife Refuge Complex

Presented by: Naomi Fireman, 2019-2020 PLTF



# Presenter Profile

**Name:** Naomi Fireman

**Start Date:** July 8th, 2019

**Place of Birth:** Chicago, IL

**Educational Background:** B.A. in Biology and Environmental Studies with concentration in Urban Sustainability

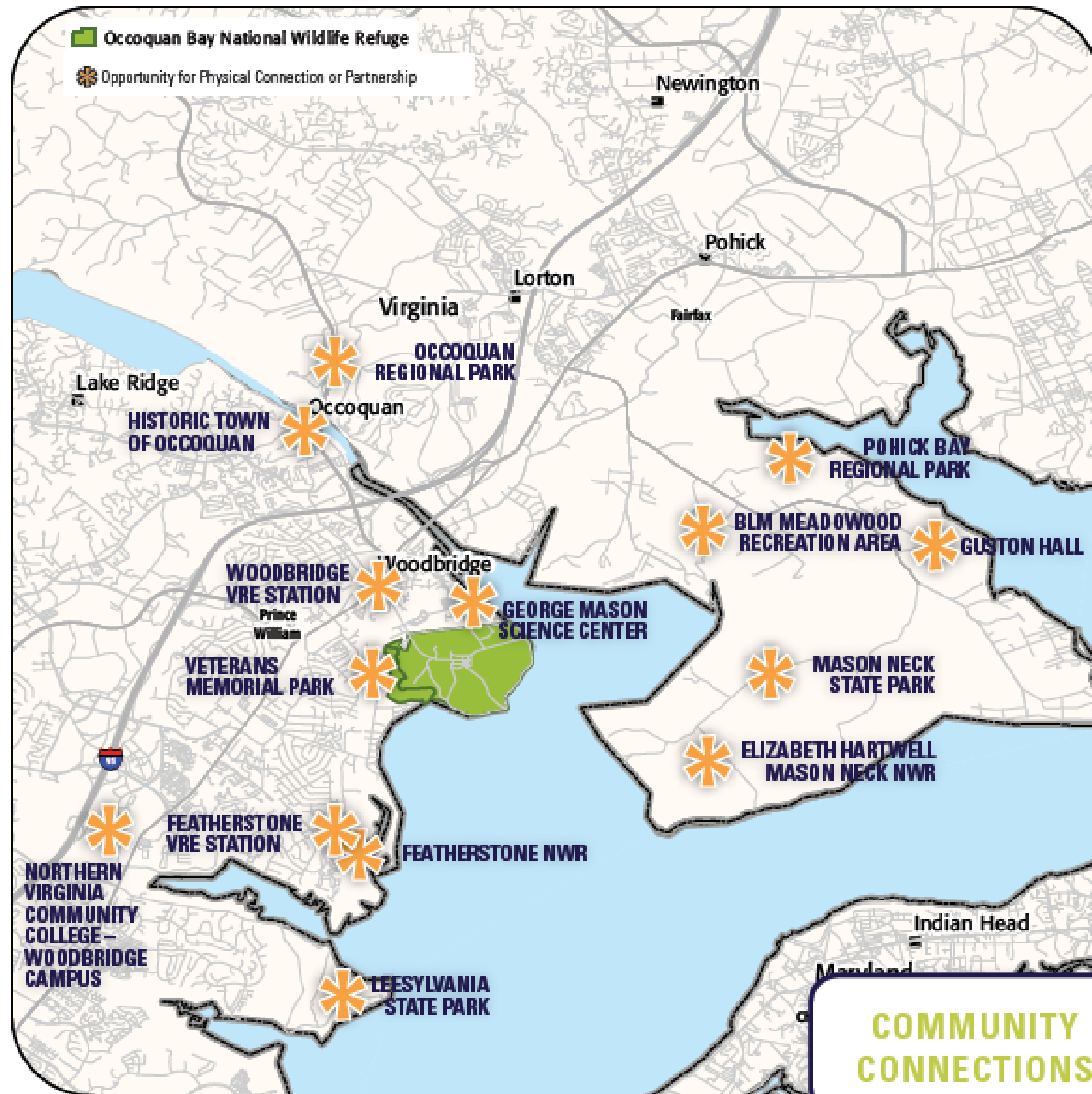
**Academic Focus:** Sustainable urban planning, climate change mitigation, ecology

**Fun Fact:** Conducted honors thesis on hybrid hazelnuts as a sustainable food crop for the Midwest





# Refuge Access Plan

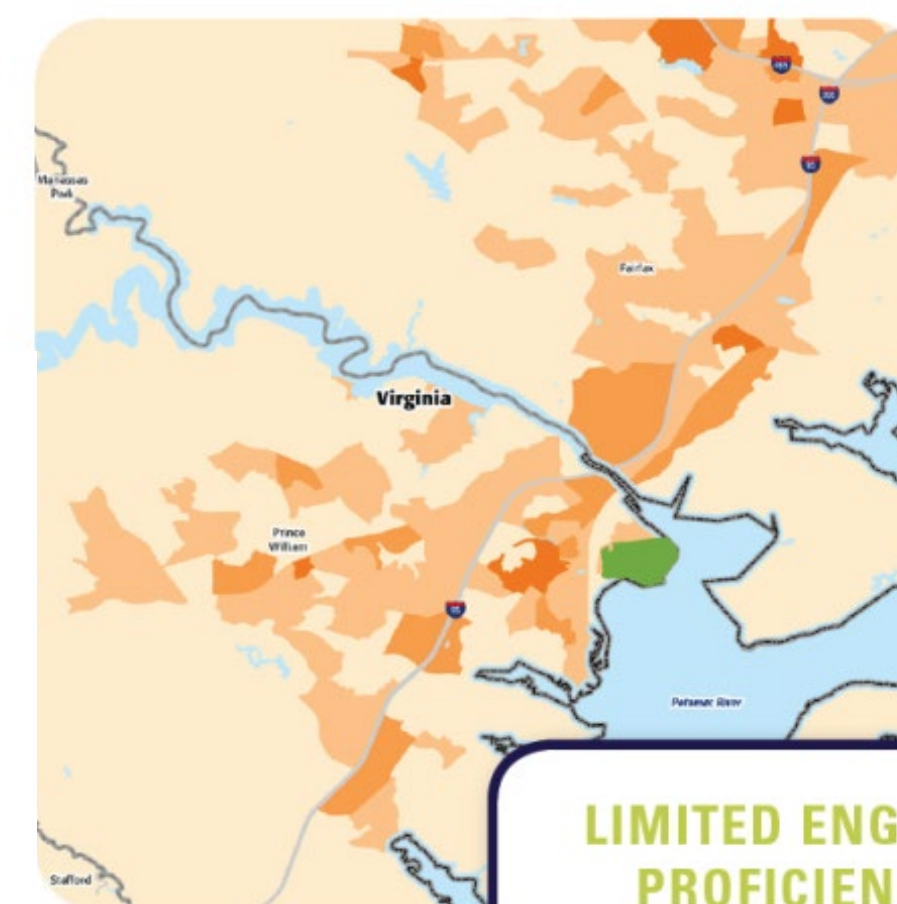


Source: USFWS Urban Transportation Connections Study, Occoquan Bay Refuge Access Plan

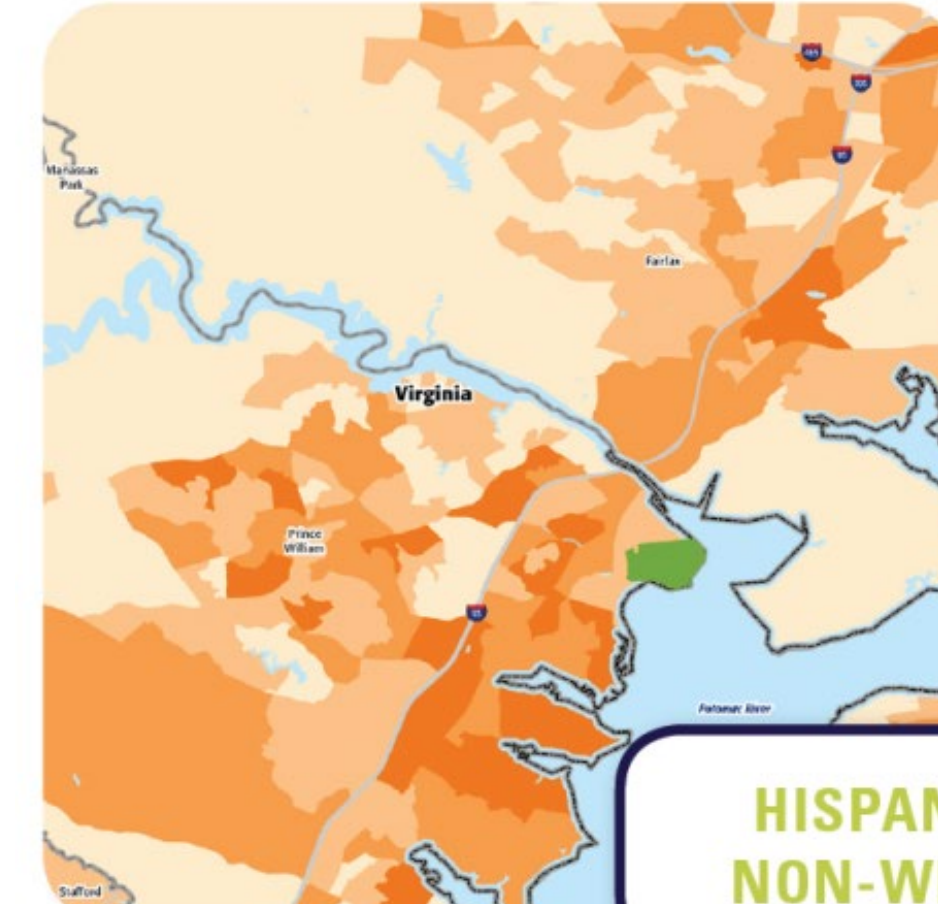




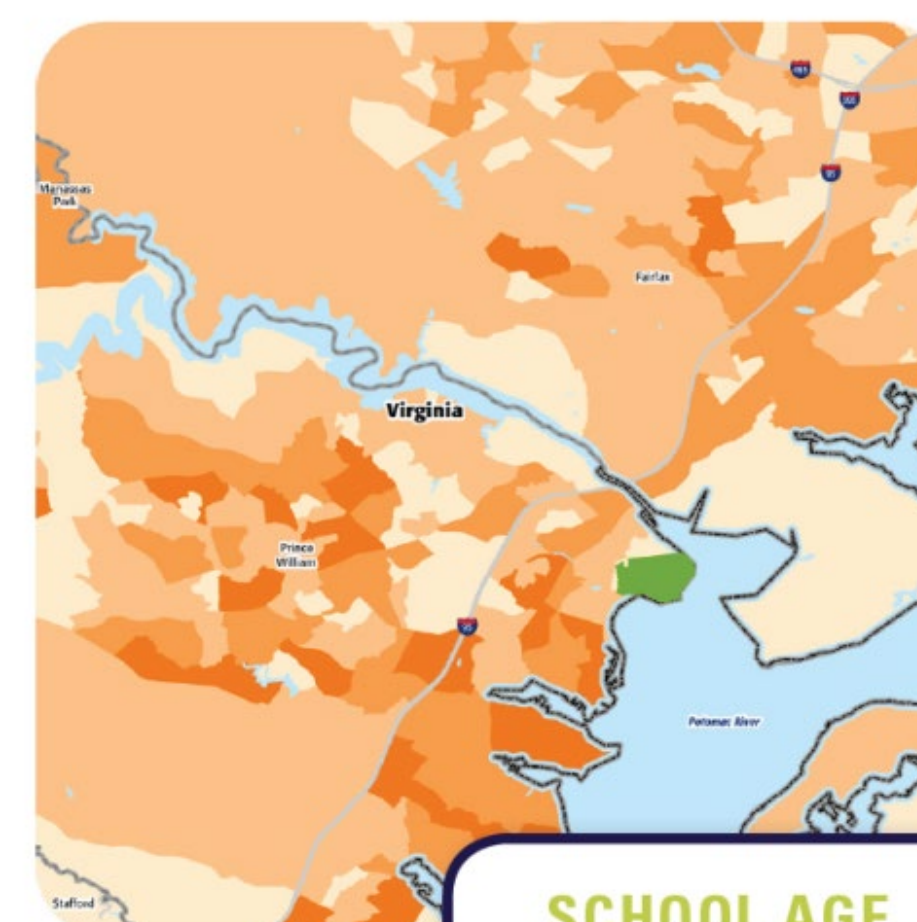
**COMPOSITE AREA  
DEMOGRAPHICS**



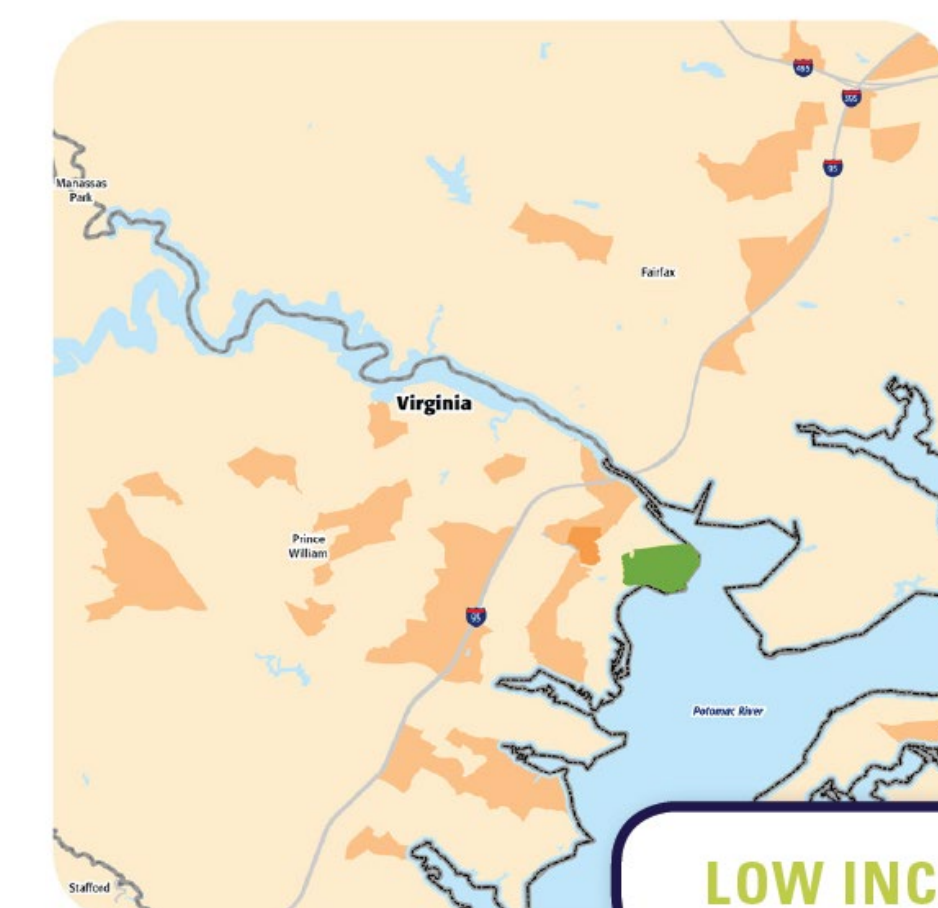
**LIMITED ENGLISH  
PROFICIENCY**



**HISPANIC/  
NON-WHITE**

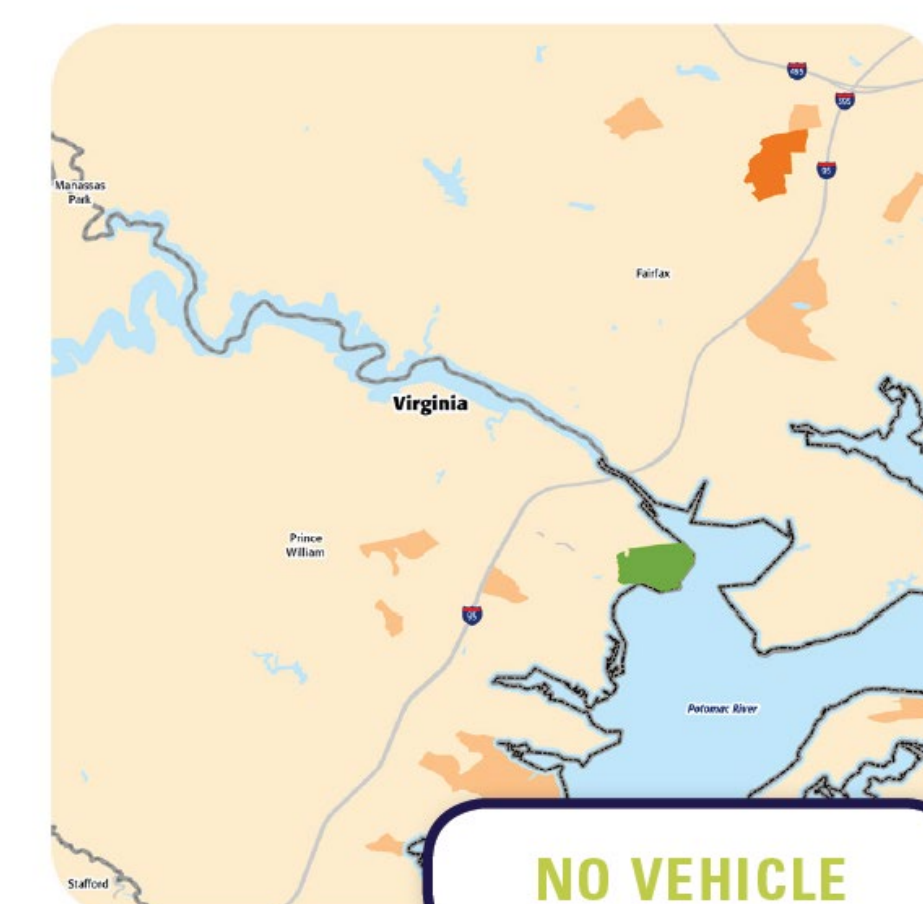


**SCHOOL AGE**



**LOW INCOME**

**CONCENTRATION OF  
TARGET POPULATIONS**



**NO VEHICLE**

Source: USFWS Urban Transportation Connections Study, Occoquan Bay Refuge Access Plan





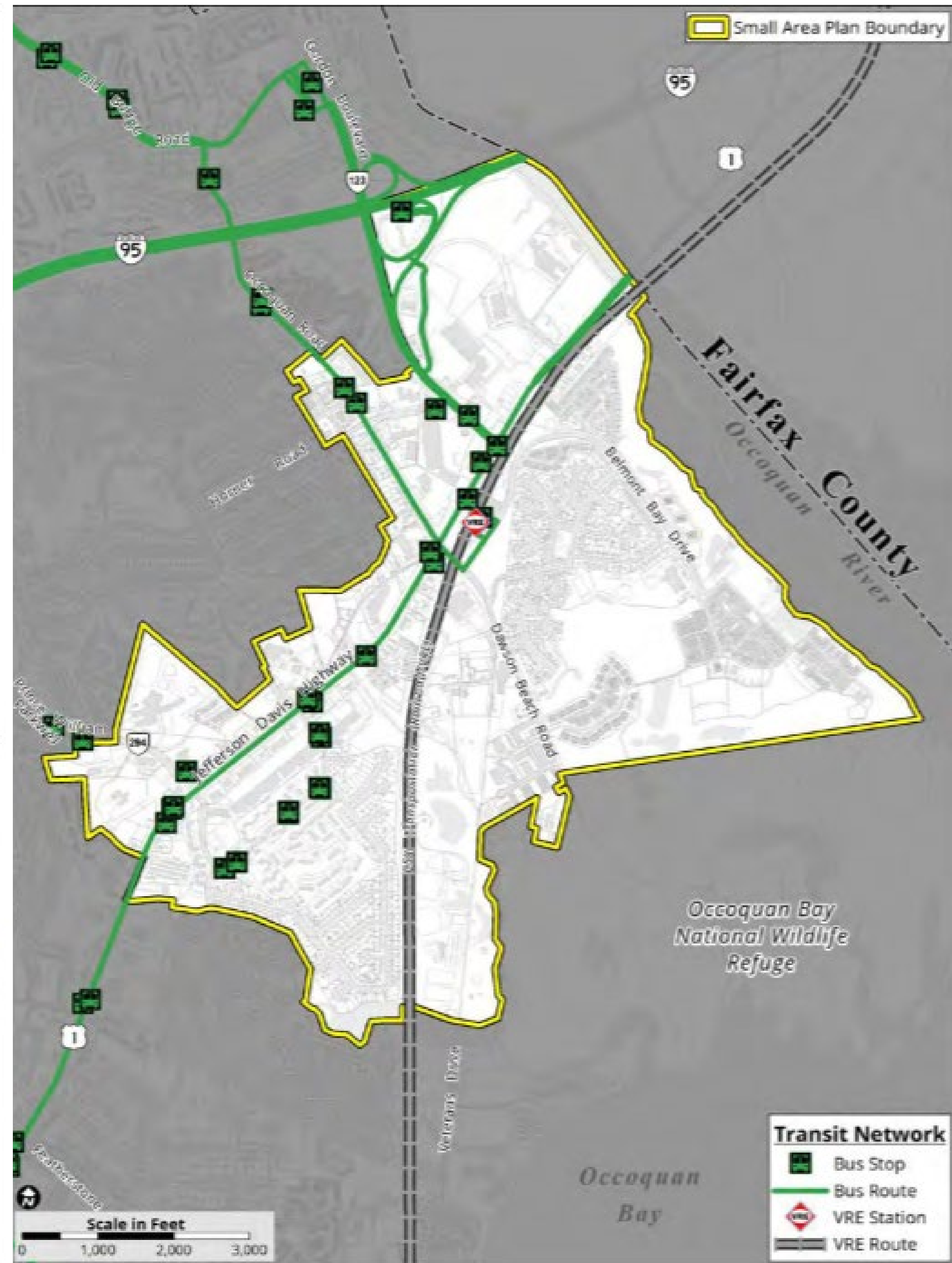
**PRINCE WILLIAM**  
COUNTY

# North Woodbridge Small Area Plan

David McGettigan, Sr., AICP  
Long Range Planning Manager  
Planning Office

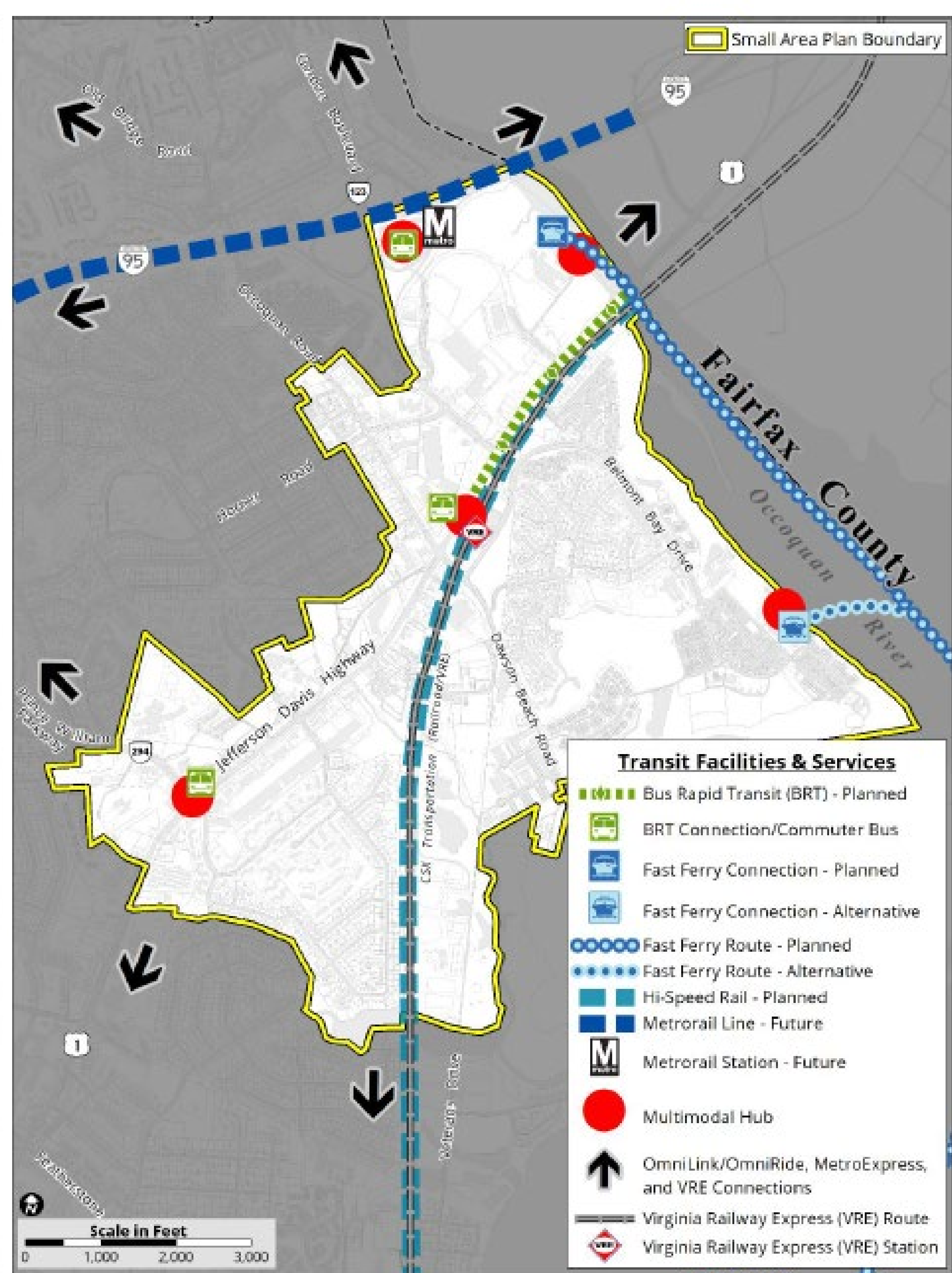
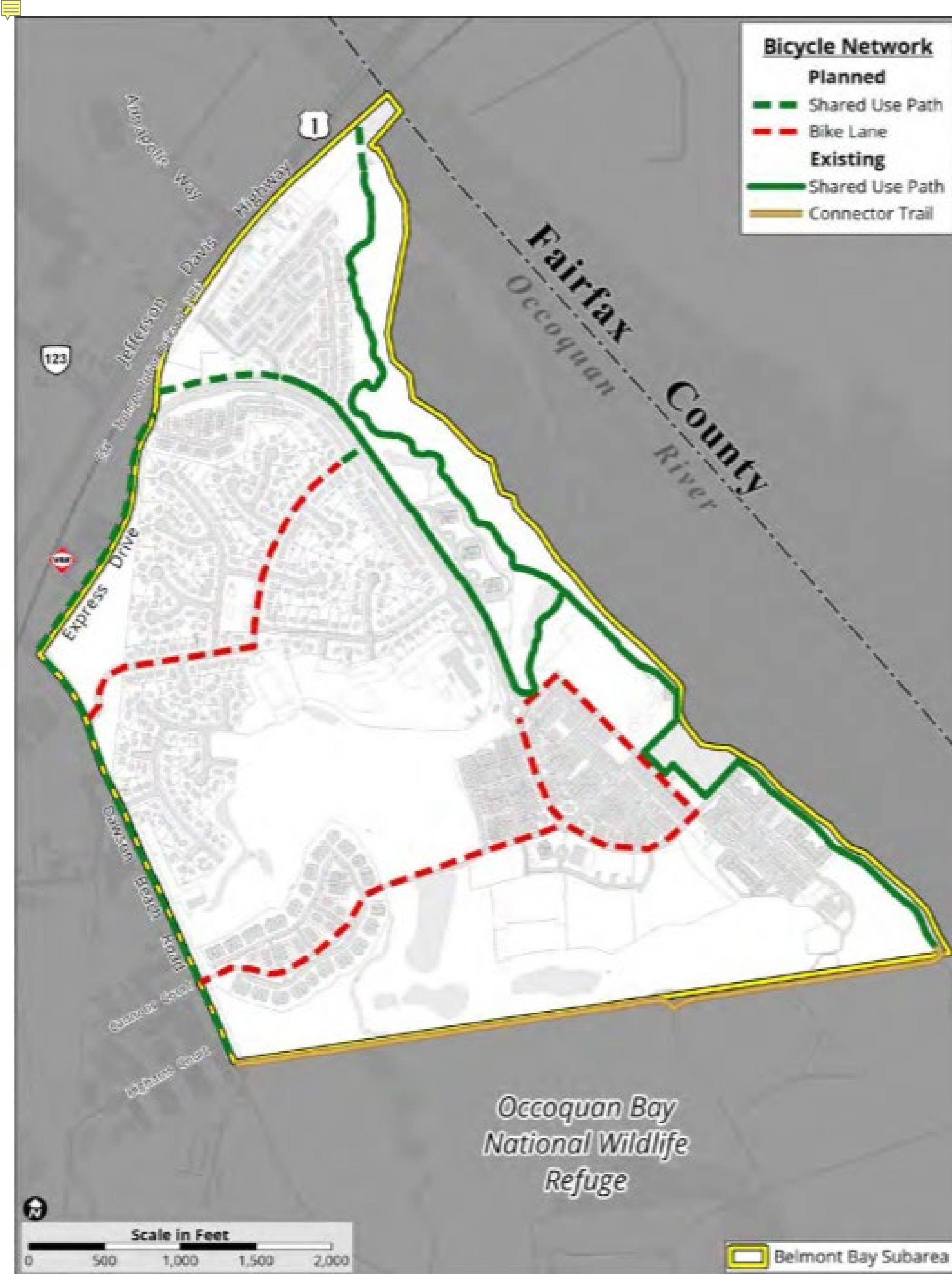






Source: North Woodbridge Small Area Plan

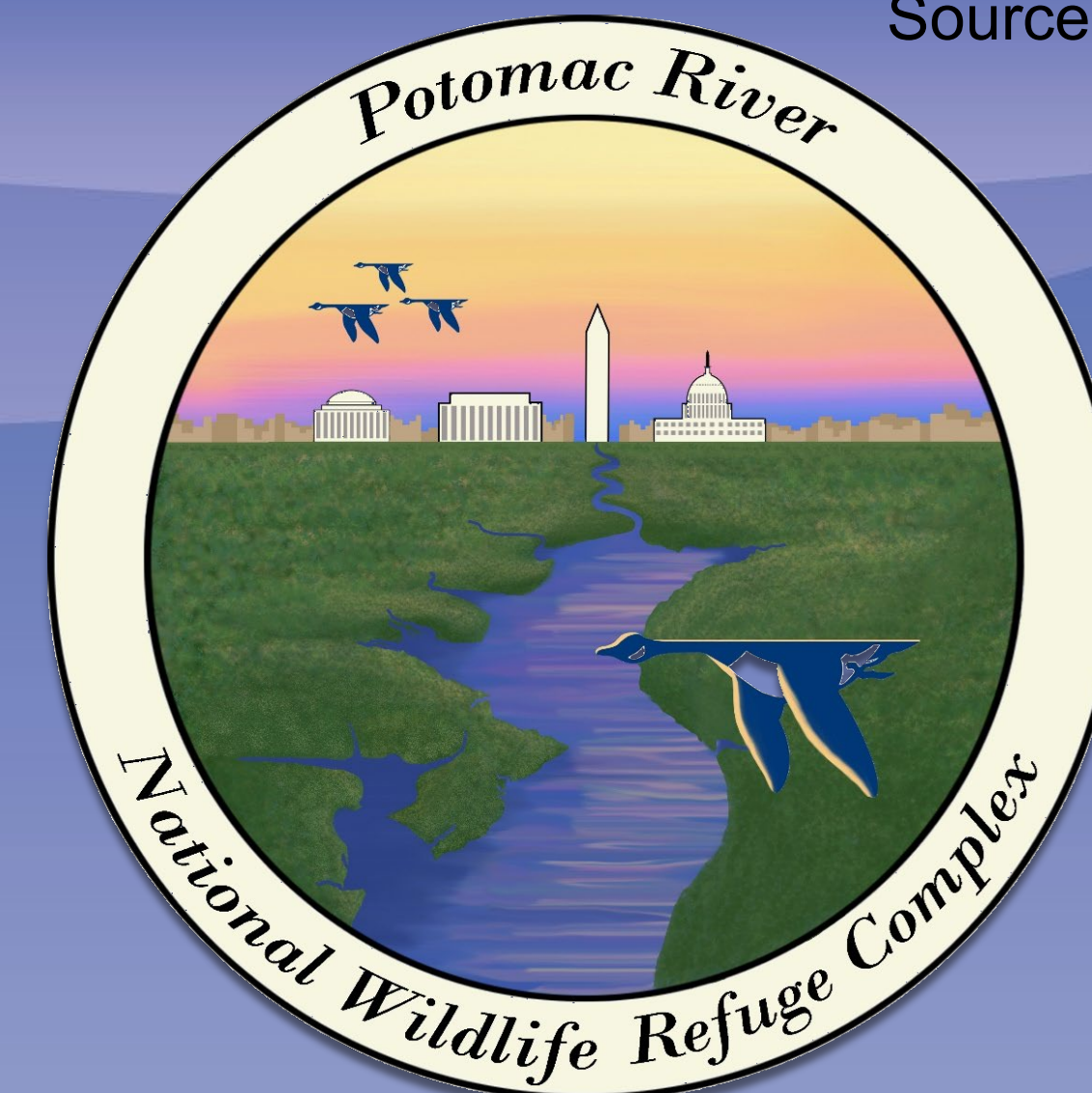




Source: North Woodbridge Small Area Plan



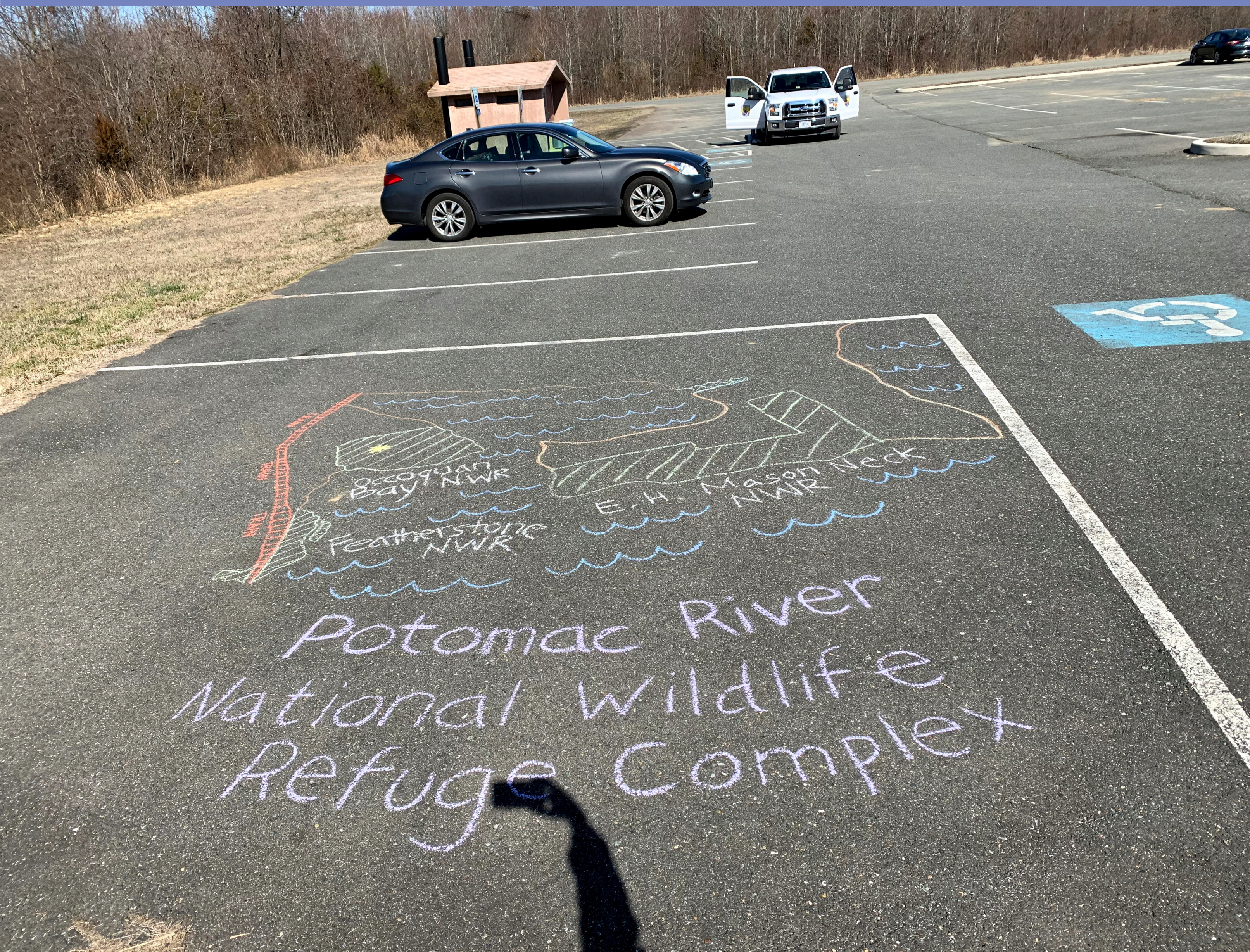
# Projects



- Bike rack replacement
- Occoquan Bay entrance vision
- Urban Wildlife Refuge DecoMark coordination
- Occoquan Bay sign plan for Potomac Heritage National Scenic Trail (PHNST) and Wildlife Drive
- Eco-Counters for PHNST
- Postcards for public outreach
- Transportation outreach plan
- Research into highway signage and pedestrian improvements
- Transit hub research and stakeholder outreach
- Needs index assessment
- E-tricycle fleet research and planning
- Greater Prince William Trail Coalition coordination
- Help with interpretive elements SOW
- Mason Neck Trail extension (FLAP)
- Regional Office projects:
  - Official northern terminus for the Bay Circuit Trail (report)
  - Wertheim National Wildlife Refuge water trail improvements
- Other miscellaneous projects



# Projects (in depth) + Lessons Learned



Source: Chuck Henschel



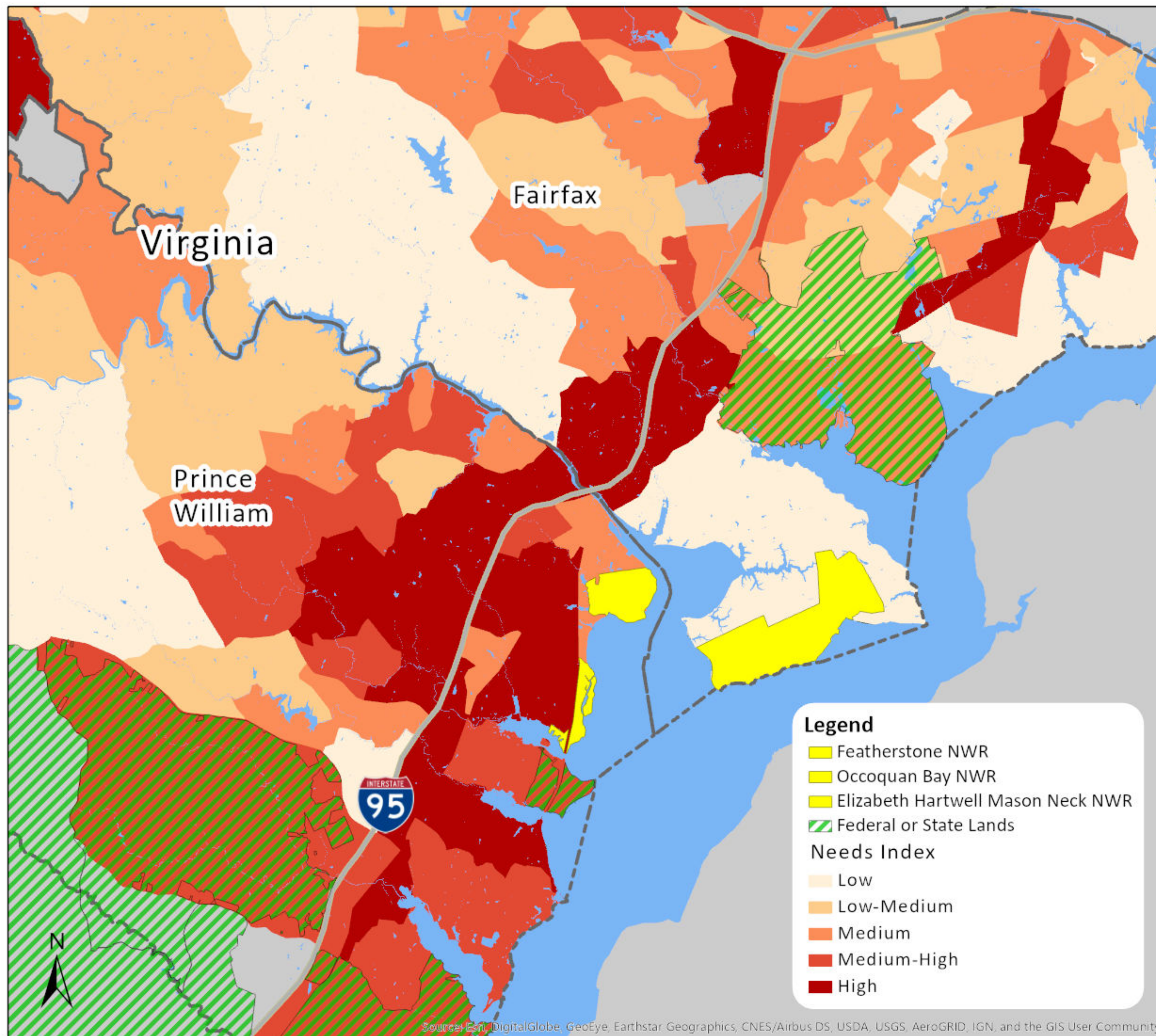
# Bike Rack Replacement



Source: Chuck Henschel



# Potomac River NWR Complex Needs Index Map



## Indicators:

- Number of limited English-speaking households
- Percent non-white population
- Median Household Income
- Number of school-age children (5-17 yrs old)
- Percent zero-car households



# Occoquan Bay NWR Entrance Vision

- Establish aesthetically pleasing and welcoming refuge entrance aimed to:
  - Help the public understand they are entering a NWR,
  - Reflect refuge values
- Create visitor rest area where PHNST crosses refuge entrance
- Incentivize Prince William County to improve street elements leading to refuge
- Develop inter-community connections and environmental stewardship
- Ensure entrance continues to meet security needs for infrastructure protection







Source: Art Klos

# Urban Wildlife Refuge DecoMark Coordination



Source: Angelina Yost

## Refuge

Desert NWR  
 Valle De Oro NWR  
 Nisqually NWRC  
 Hopper Mountain NWRC  
 Bayou Sauvage NWR  
 Great Swamp NWR  
 ARM Loxahatchee NWR  
 Eastern Massachusetts NWRC  
 Occoquan Bay NWR

## State



Nevada  
 New Mexico  
 Washington  
 California  
 Louisiana  
 New Jersey  
 Florida  
 Massachusetts  
 Virginia












## Still interested?




Yes  
 Yes  
 Yes  
 No  
 No  
 Yes  
 Yes  
 No  
 Yes









# Occoquan Bay Sign Plan for Potomac Heritage National Scenic Trail (PHNST) and Wildlife Drive

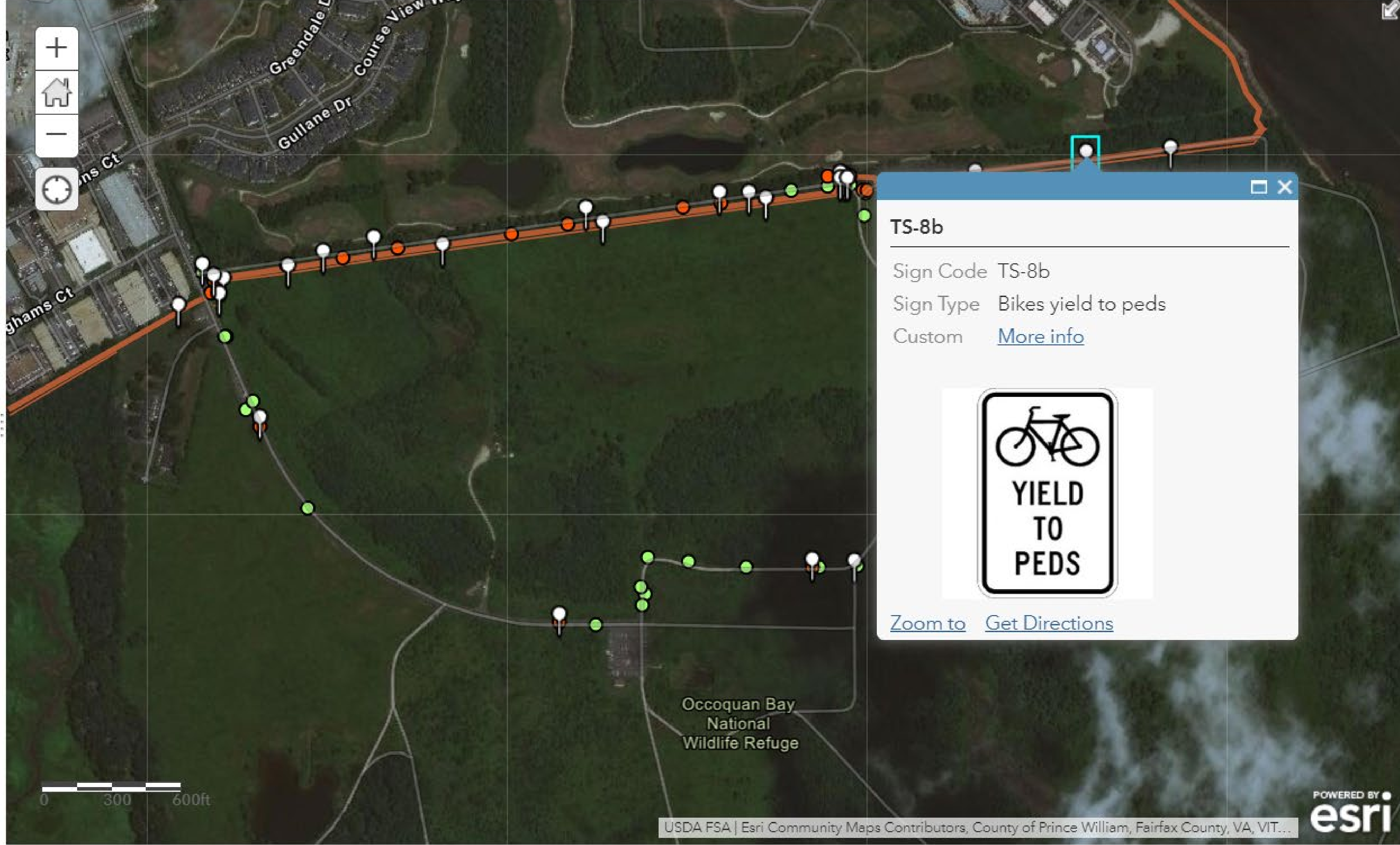
Home ▾ Occoquan Bay NWR Sign Plan for Incoming Regional Trail and Wildlife Drive  New Map Create Presentation  Naomi ▾

 Details  Add ▾  Basemap  Analysis  Save ▾  Share  Print ▾  Directions  Measure  Bookmarks Find address or place 

Contents


- ☒ Proposed Signage
- ☒ Existing Signage
- ☒ Fenceline
- ☒ PHNST OB Section
  -     
- ▶  World Imagery



0 300 600ft

Occoquan Bay National Wildlife Refuge

USDA FSA | Esri Community Maps Contributors, County of Prince William, Fairfax County, VA, VIT...

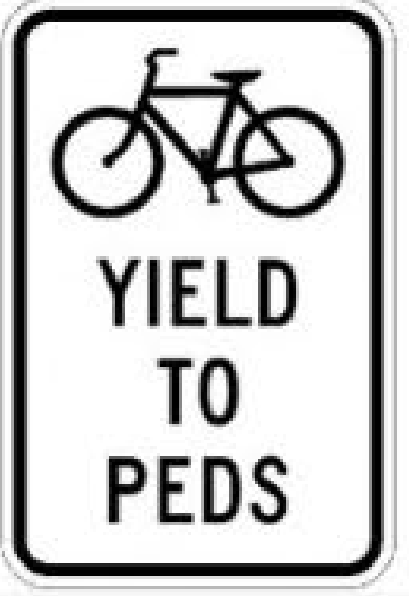
POWERED BY 

**TS-8b**

Sign Code TS-8b

Sign Type Bikes yield to peds


Custom [More info](#)



[Zoom to](#) [Get Directions](#)



# Electric Tricycle Fleet: Research, Presentation, & Planning

	
Name	Pe
Power	250W
Size	20"
Speed	11-13
Range	25 mi
Battery	36V, 1
Price	\$

Source: <https://>



Source: Jaime Sullivan  
Source: Department of Interior



# Mason Neck Trail Extension FLAP



Source:  
<https://www.fairfaxcounty.gov/themes/bootstrap-8.x-3.0-rc2/bootstrap/css/images/seal.png>



## Eastern Federal Lands Access Program Project Application

### BASIC PROJECT INFORMATION

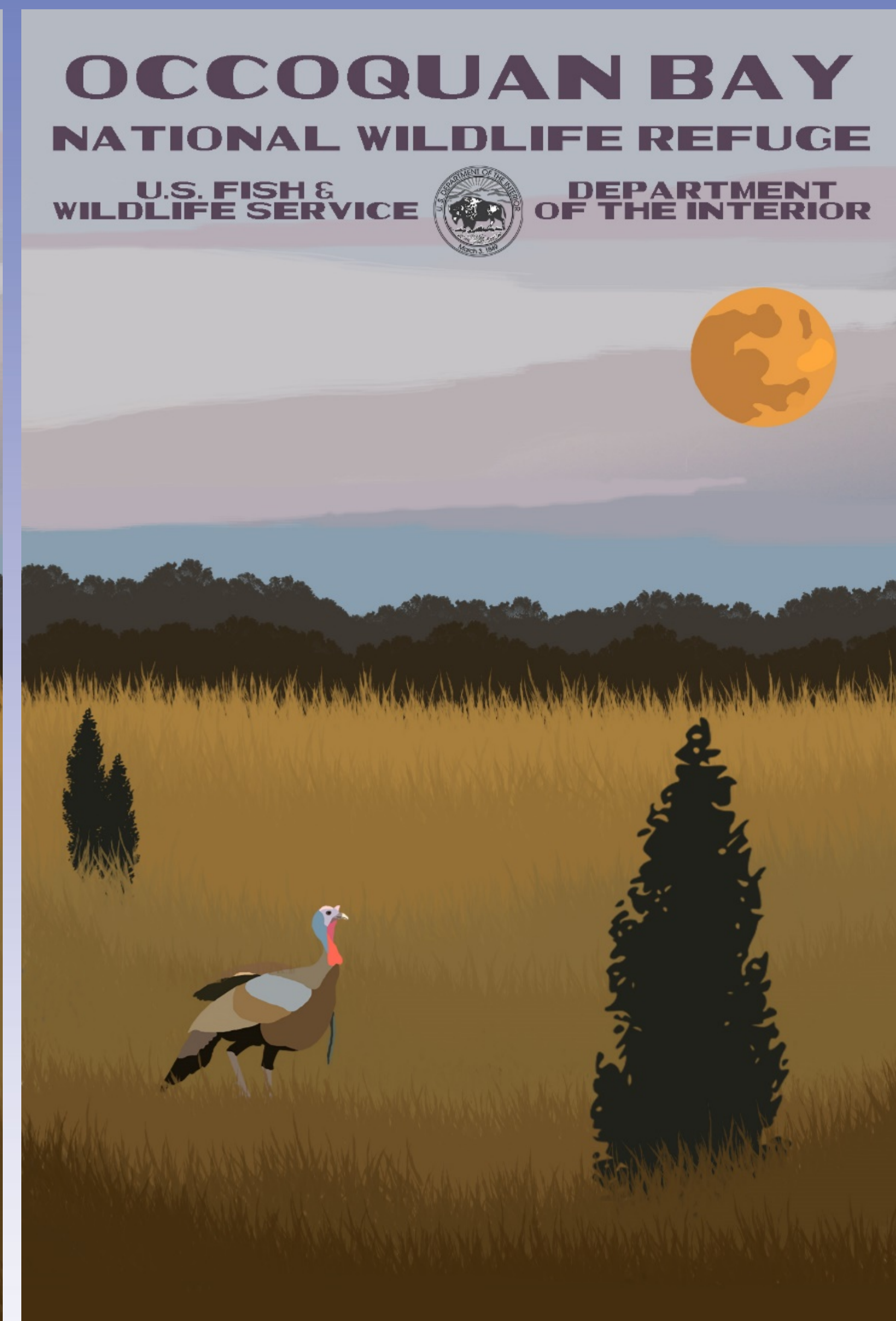
Project Name (Please provide a brief project description): Mason Neck Trail Extension Project	
Local Route Number (or nearest road): Route 600; Gunston Rd.	
Agencies with Jurisdiction (authority to control traffic): Fairfax County; Virginia Department of Transportation	
Agency currently maintaining facility: Fairfax County	
What are the Primary Visitor Destinations? Elizabeth Hartwell Mason Neck National Wildlife Refuge (E.H.N.W.R.)	
Do FLMA, StateDOT and facility owner agree that the project is an Economic/Visitation Generator? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Do FLMA, StateDOT and facility owner agree that the project is a priority? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Functional Classification: <input type="checkbox"/> National Highway System <input type="checkbox"/> Arterial <input type="checkbox"/> Major Collector <input checked="" type="checkbox"/> Minor Collector <input type="checkbox"/> Local Road <input type="checkbox"/> Other	
Termini (mileposts or landmarks): State N/A if Not Applicable	
Begin: Gunston - High Point fork	End: Great Marsh Trailhead
Project Length: 7500 ft	Miles: 1.42 miles
Road/Facility Width, Existing: N/A	Road/facility width, Proposed: 10 ft
Posted speed limit of facility: N/A	Proposed speed limit of facility: 20 mph
Design speed: N/A	
Project is designed to the following standard: <input type="checkbox"/> AASHTO <input type="checkbox"/> State <input type="checkbox"/> Local Government <input checked="" type="checkbox"/> Federal Lands Highway (FLH) <input type="checkbox"/> Other	
Project will be delivered by: <input type="checkbox"/> Local Public Agency <input type="checkbox"/> State DOT <input checked="" type="checkbox"/> Eastern Federal Lands <input type="checkbox"/> Other	
Public land unit(s) involving FLMA: Potomac Heritage National Scenic Trail (NPS) Elizabeth Hartwell Mason Neck National Wildlife Refuge (USFWS)	Location of Project City: Lorton County: Fairfax State: Virginia Congressional District(s): VA-08 Latitude/longitude: 38°39'28.5"N 77°09'41.4"W
Federal Land Management Agencies managing the above unit(s): <input type="checkbox"/> Bureau of Land Management <input checked="" type="checkbox"/> Fish and Wildlife Service <input type="checkbox"/> Forest Service <input type="checkbox"/> National Park Service <input type="checkbox"/> U.S. Army Corps of Engineers <input type="checkbox"/> Other (e.g. DOD, BOR) If Other, specify: Also NPS <input checked="" type="checkbox"/> Signature of acknowledgement by FLMA See letter of endorsement	Type of Project Proposed: Check all that apply <input checked="" type="checkbox"/> Design <input checked="" type="checkbox"/> Preliminary Engineering <input checked="" type="checkbox"/> Environmental (NEPA document) <input type="checkbox"/> Right of Way <input type="checkbox"/> Construction <input type="checkbox"/> Paving, road base or surface course projects <input type="checkbox"/> Safety enhancements or structures <input type="checkbox"/> Minor drainage structures (culverts) <input type="checkbox"/> Major concrete structures/bridges <input type="checkbox"/> Bicycle/pedestrian facility <input type="checkbox"/> Construction Contract <input type="checkbox"/> Construction Engineering Services <input type="checkbox"/> Planning/Technical Study or Research <input checked="" type="checkbox"/> Other (e.g. Intermodal or transit facilities, transit staffing, ITS, environmental mitigation, education/outreach) If Other, specify: Archaeological survey
Printed Name: Amanda Daisey Phone: 703-490-4979 ext. 2015 E-mail: amanda_daisey@fws.gov	

FY 2013 EFL Access Program Project Application  
 Page 2 of 10

Source: Naomi Fireman & Chris Wicker



# Community Outreach & Relationship Building → Postcards





# Community Outreach & Relationship Building → Transportation Outreach Plan

First Priority

Second Priority

Easy Wins

## Transportation Outreach Plan

by

Naomi Fireman, Public Lands Transportation Fellow (2019-20)

for the

Potomac River National Wildlife Refuge Complex

May 11, 2020





# Community Outreach & Relationship Building →

Transit Hub Research

Rideshare

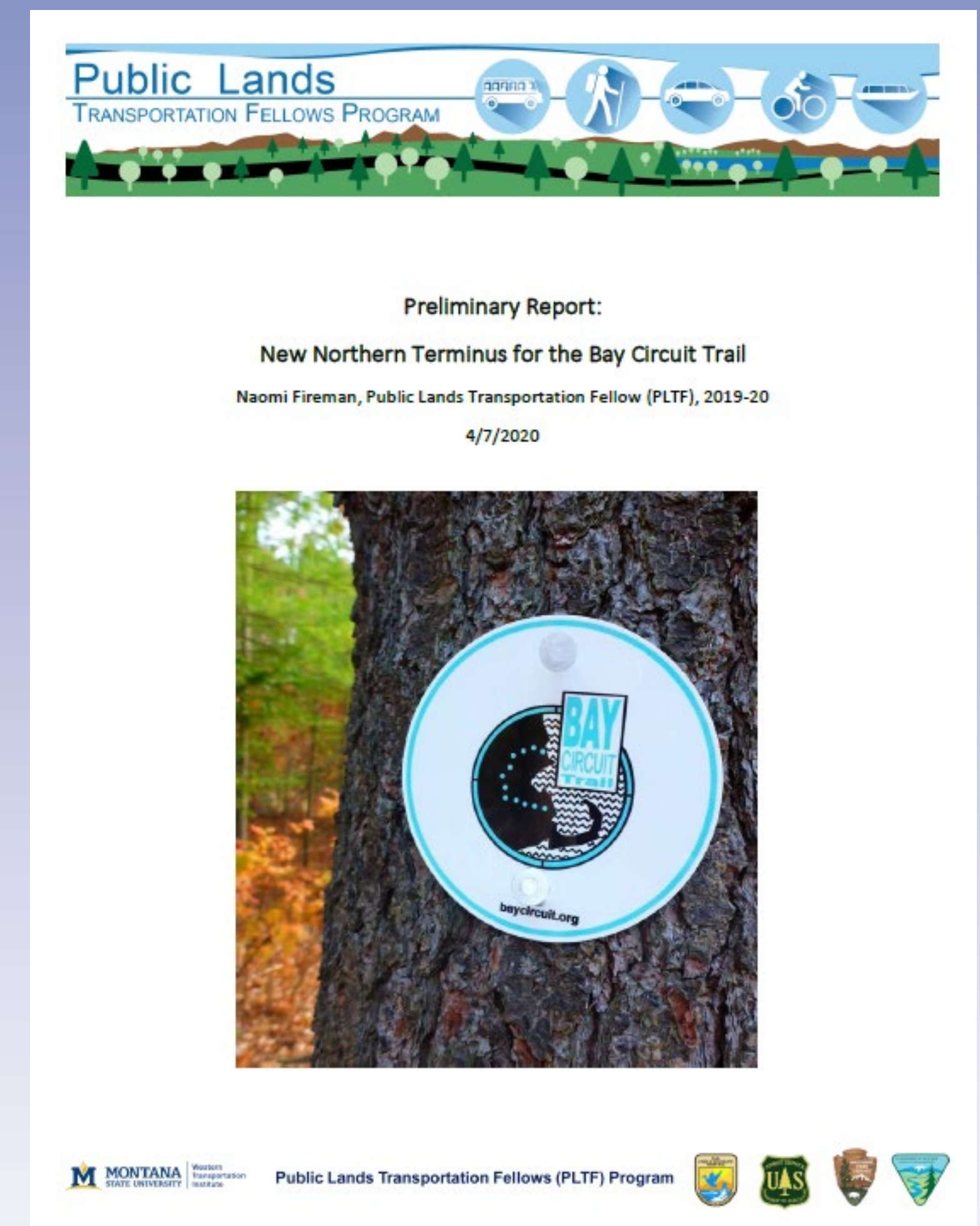
Bike Share

Bus Route

Greater Prince William  
Trail Coalition



RO Project: Bay Circuit  
Trail Terminus Report





# General Suggestions

- Meet regularly with refuge leadership and integrate with the refuge family
- Show up to as many local meetings and events as possible related to trails, parks, transportation, planning, etc.
  - Show up to community meetings even if they are not necessarily related to the above topics
- Take lots of pictures!
- Do not be afraid to follow up
- Build collaborative relationships with your fellow fellows, mentor, and the PLTF team
- Participate in conservation-related or other refuge projects
- Take time to explore/research roles in USFWS and other parts of the federal government
- Ask for help!



# Thank you

Including, but not limited to:

- Amanda Daisey, Carina Velazquez, Chris Wicker, Chuck Henschel, Stacie Allison, Gabby Giacomangeli, and Logan Sauer
- Phil Shapiro (mentor), Jaime Sullivan, and WTI staff
- Fellows Vince Ziols and Nate Begay
- Transportation team at HQ and RTC's, especially Carl Melberg of legacy region 5
- Partners at Prince William & Fairfax counties, fellow land managers, local advocacy groups
- Folks at Eastern Federal Lands



# Resources

- USFWS Acronyms & Glossary  
[https://www.fws.gov/uploadedFiles/CCP\\_GlossaryAcronyms\(1\).pdf](https://www.fws.gov/uploadedFiles/CCP_GlossaryAcronyms(1).pdf)
- USFWS 2019 Sign Handbook  
<https://www.fws.gov/policy/USFWSSignHandbook2019.pdf>
- USFWS Socioeconomic Indicators Tool  
<https://headwaterseconomics.org/tools/usfws-indicators/>
- North Woodbridge Small Area Plan  
[http://eservice.pwcgov.org/planning/documents/NorthWoodbridgeSAP/NorthWoodbridgeSAP\\_DRAFT.pdf](http://eservice.pwcgov.org/planning/documents/NorthWoodbridgeSAP/NorthWoodbridgeSAP_DRAFT.pdf)
- How to Write a Tech Memo  
<https://www.webpages.uidaho.edu/ce431/Handouts/Writing%20Expectations%20&%20Rubric%20Handout.pdf>

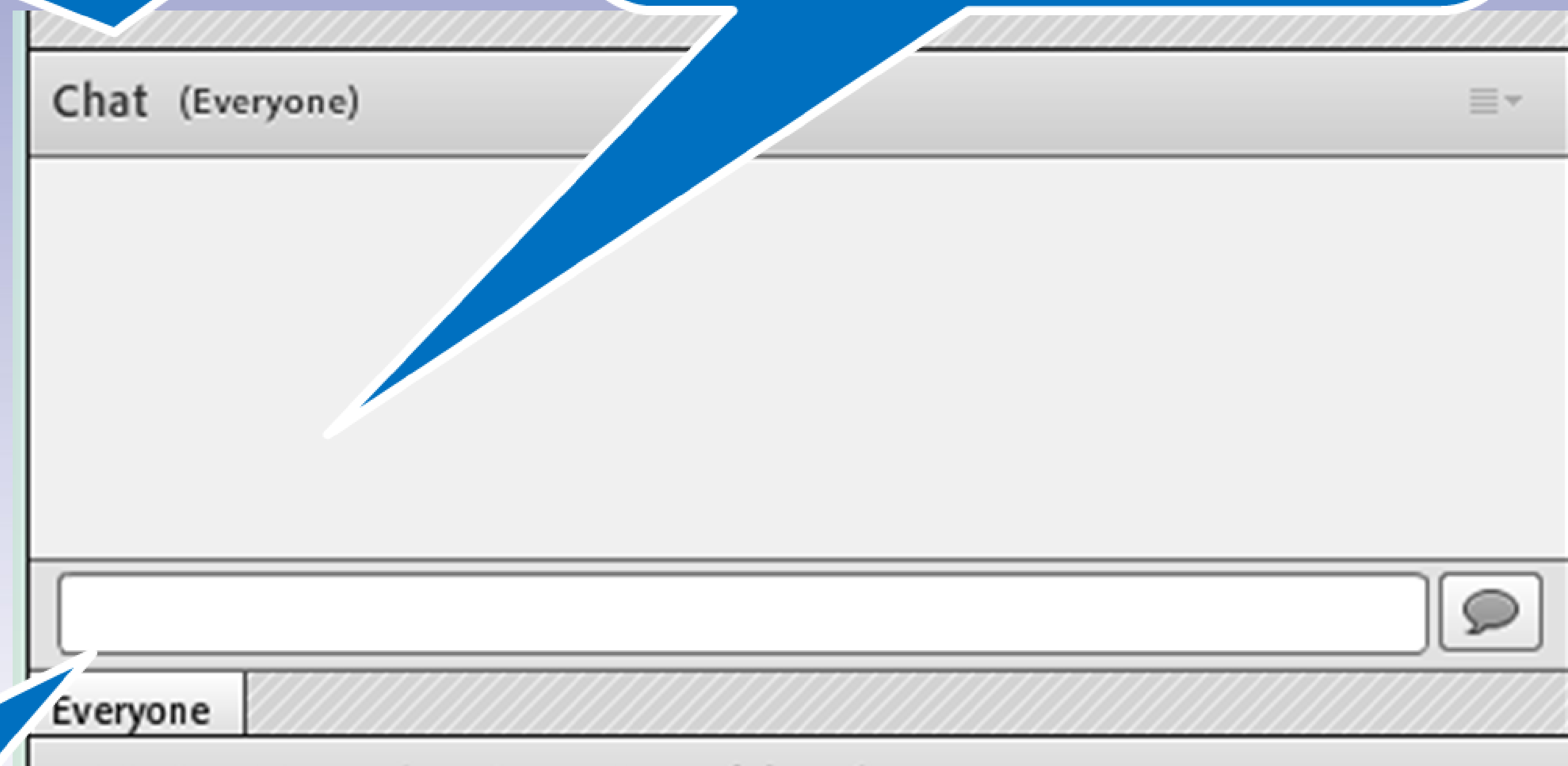


# Directing your Questions via the Chat Pod

1. Chat pod is on left side of screen between attendees pod & closed caption pod

3. Answers will appear here unless addressed verbally

2. Type your question or comment here





# Contact Information

***If you have any questions related to this presentation,  
please contact:***

*Amanda Daisey at [amanda\\_daisey@fws.gov](mailto:amanda_daisey@fws.gov)*

*or*

*Naomi Fireman at [naomi\\_fireman@fws.gov](mailto:naomi_fireman@fws.gov)*

***Or contact the PLTF Program Manager at:***

***(774) 571-3505 or [jaime.sullivan2@montana.edu](mailto:jaime.sullivan2@montana.edu)***

***<https://westerntransportationinstitute.org/professional-development/public-lands-transportation-fellows/>***