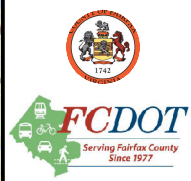
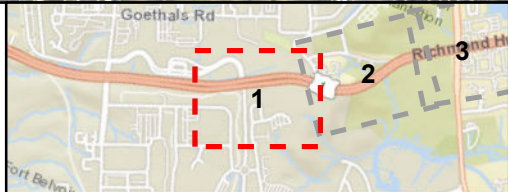


APPENDIX A: WETLANDS AND WATERS MAP





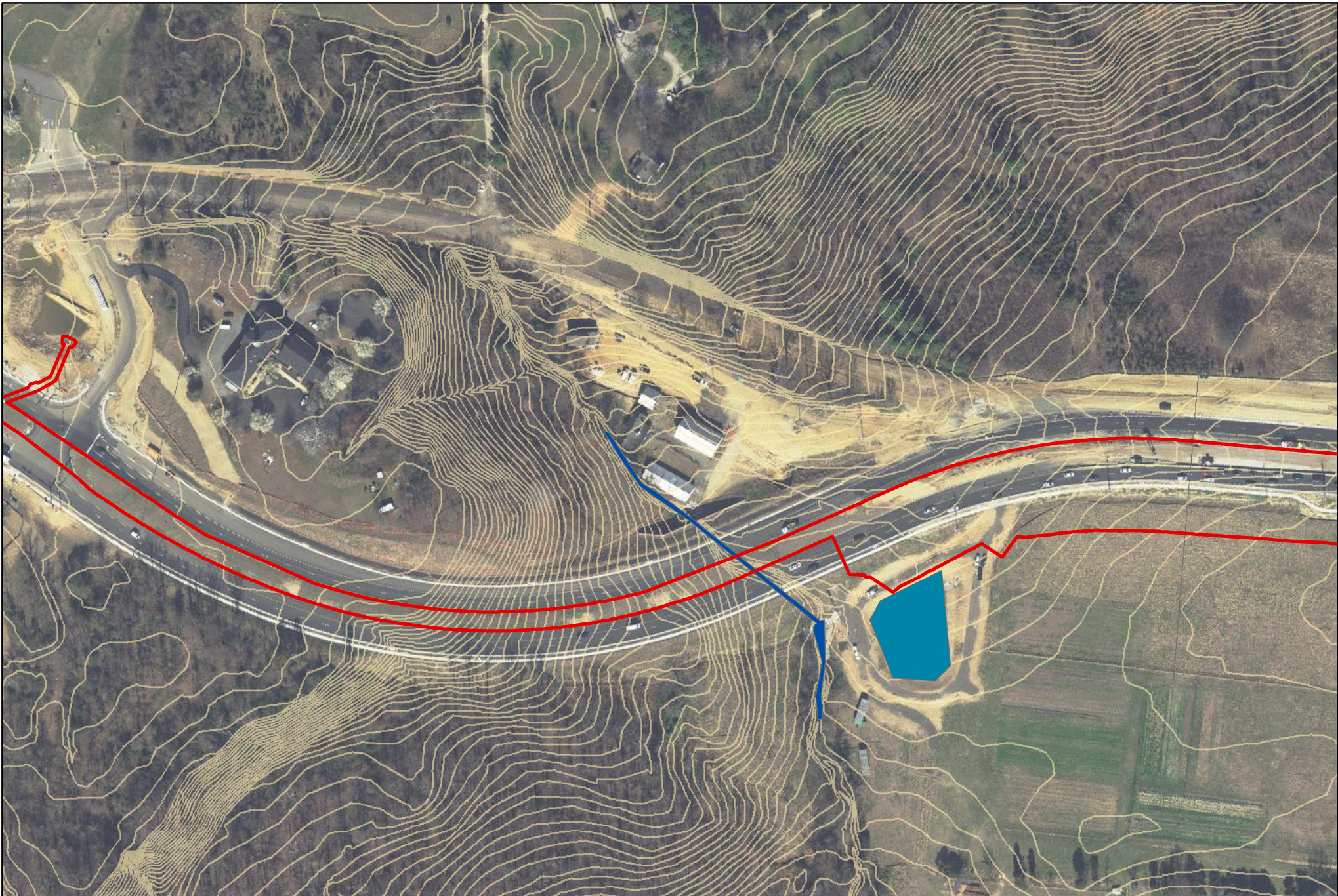
- LOD
- Palustrine Emergent Wetland (PEM)
- Palustrine Forested Wetland (PFO)
- Palustrine Open Water (POW)
- Upper Perennial Stream (R3)
- Intermittent Stream (R4)
- Ephemeral Stream (R6)
- Contours (2-foot)



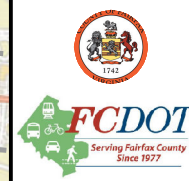
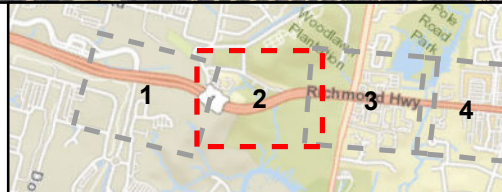
Richmond Highway
 Bus Rapid Transit Project
Preliminary Mapping

0 50 100 200 Feet

Page 1
of 22



- LOD
- Palustrine Emergent Wetland (PEM)
- Palustrine Forested Wetland (PFO)
- Palustrine Open Water (POW)
- Upper Perennial Stream (R3)
- Intermittent Stream (R4)
- Ephemeral Stream (R6)
- Contours (2-foot)



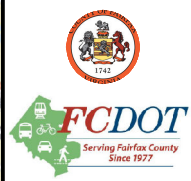
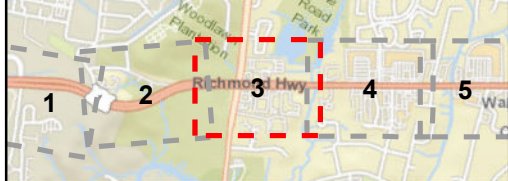
Richmond Highway
 Bus Rapid Transit Project
Preliminary Mapping

0 50 100 200 Feet

Page 2
of 22



- LOD
- Palustrine Emergent Wetland (PEM)
- Palustrine Forested Wetland (PFO)
- Palustrine Open Water (POW)
- Upper Perennial Stream (R3)
- Intermittent Stream (R4)
- Ephemeral Stream (R6)
- Contours (2-foot)



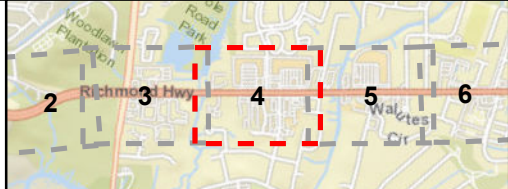
Richmond Highway
 Bus Rapid Transit Project
Preliminary Mapping

0 50 100 200 Feet

Page 3
of 22



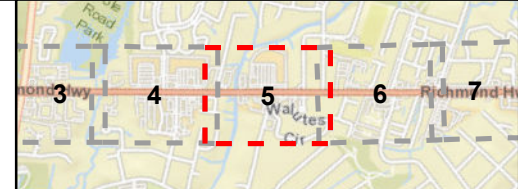
- LOD
- Palustrine Emergent Wetland (PEM)
- Palustrine Forested Wetland (PFO)
- Palustrine Open Water (POW)
- Upper Perennial Stream (R3)
- Intermittent Stream (R4)
- Ephemeral Stream (R6)
- Contours (2-foot)




Richmond Highway
 Bus Rapid Transit Project
Preliminary Mapping

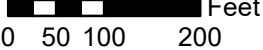
0 50 100 200 Feet

Page 4
of 22



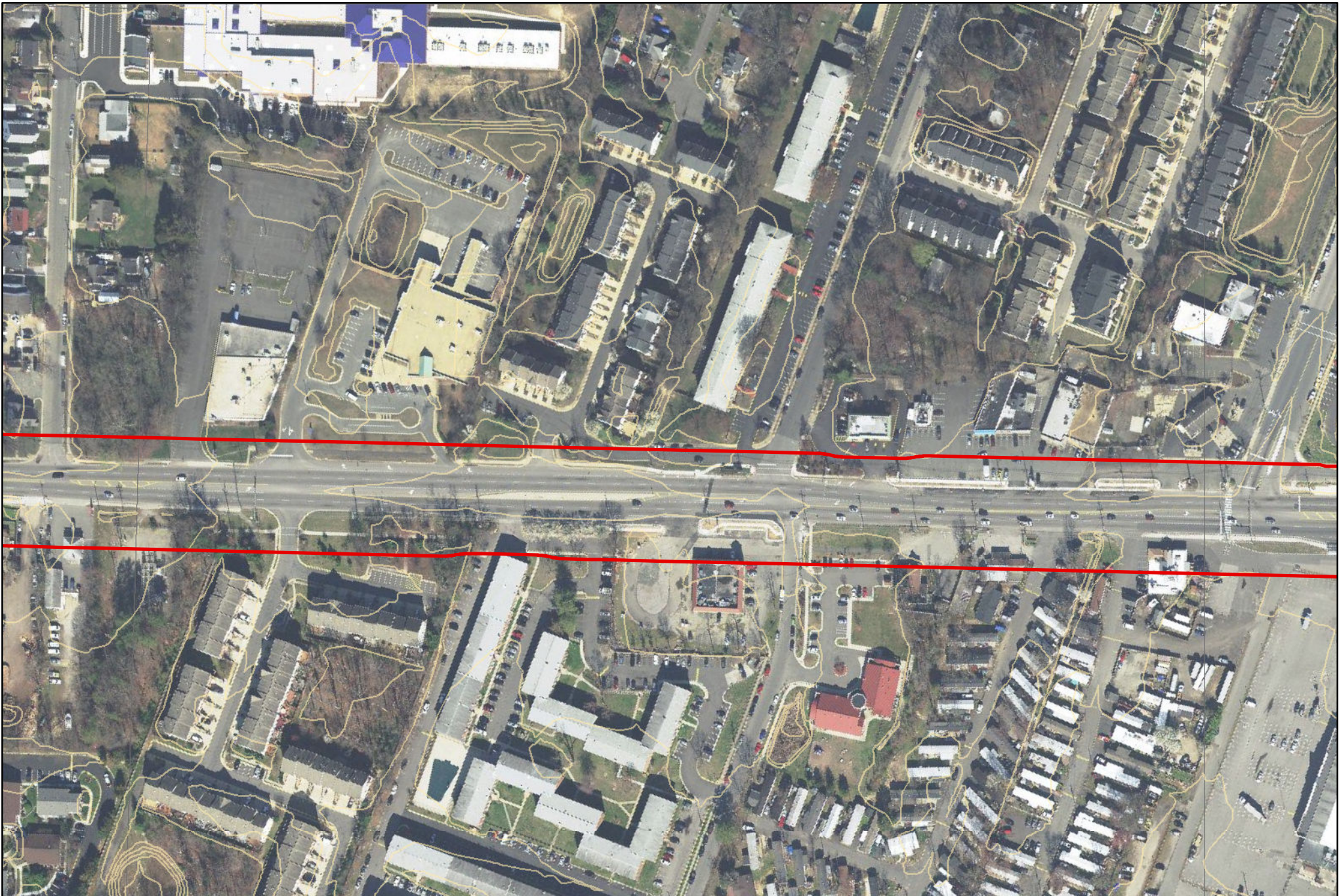
Richmond Highway
 Bus Rapid Transit Project
Preliminary Mapping





0 50 100 200 Feet

Page 5 of 22



- LOD
- Upper Perennial Stream (R3)
- Palustrine Emergent Wetland (PEM)
- Intermittent Stream (R4)
- Palustrine Forested Wetland (PFO)
- Ephemeral Stream (R6)
- Palustrine Open Water (POW)
- Contours (2-foot)



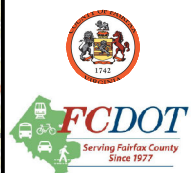
Richmond Highway
 Bus Rapid Transit Project
Preliminary Mapping

0 50 100 200 Feet

Page 6
of 22



- LOD
- Palustrine Emergent Wetland (PEM)
- Palustrine Forested Wetland (PFO)
- Palustrine Open Water (POW)
- Upper Perennial Stream (R3)
- Intermittent Stream (R4)
- Ephemeral Stream (R6)
- Contours (2-foot)



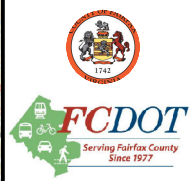
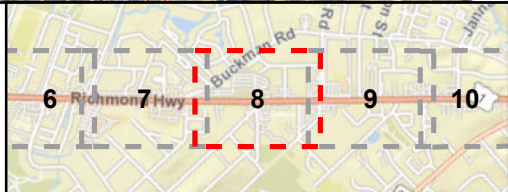
Richmond Highway
Bus Rapid Transit Project
Preliminary Mapping

0 50 100 200 Feet

Page 7
of 22



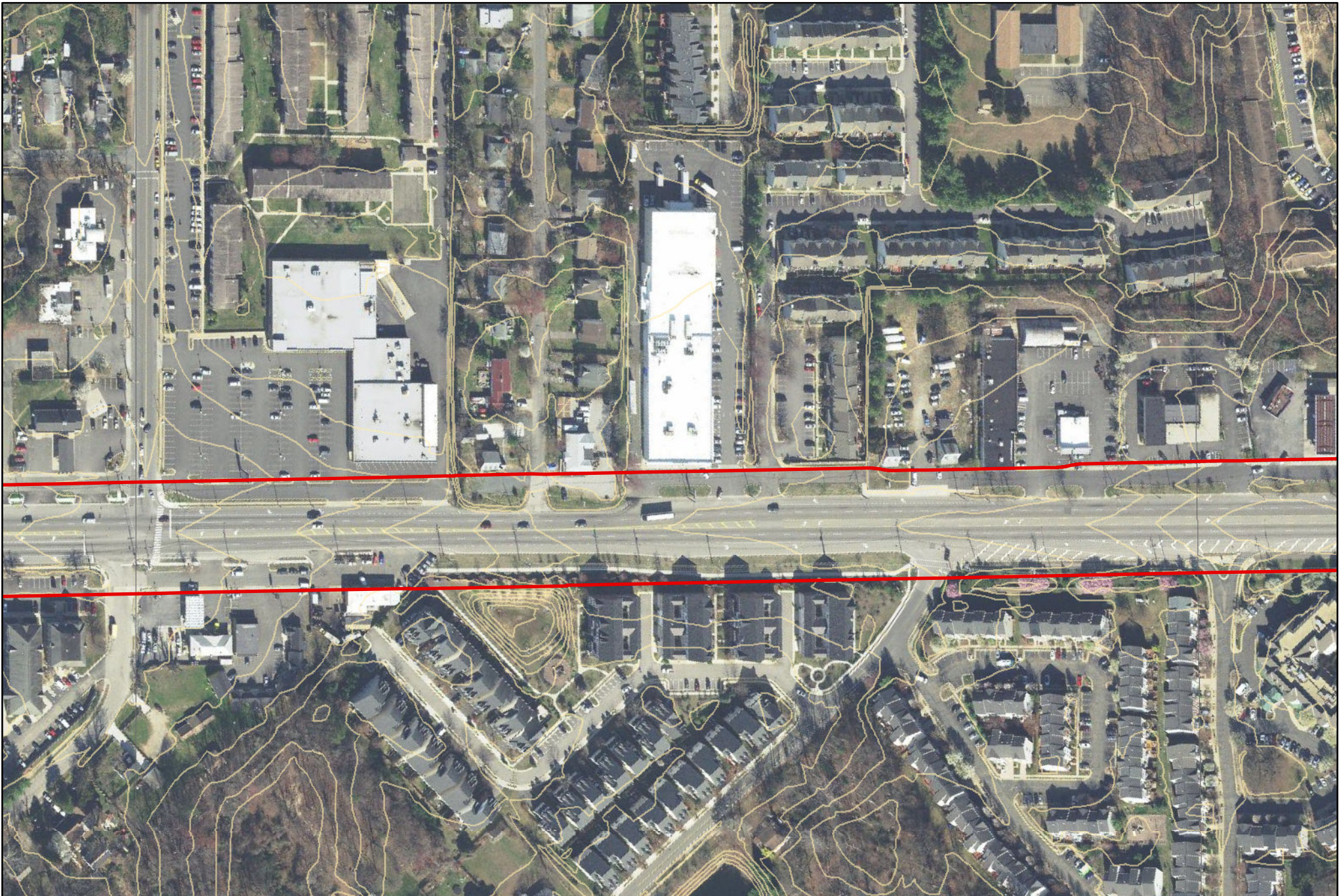
- LOD
- Upper Perennial Stream (R3)
- Palustrine Emergent Wetland (PEM)
- Intermittent Stream (R4)
- Palustrine Forested Wetland (PFO)
- Ephemeral Stream (R6)
- Palustrine Open Water (POW)
- Contours (2-foot)



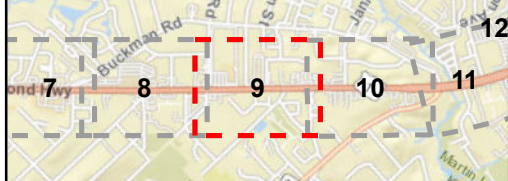
Richmond Highway
Bus Rapid Transit Project
Preliminary Mapping

0 50 100 200 Feet

Page 8
of 22



- LOD
- Upper Perennial Stream (R3)
- Intermittent Stream (R4)
- Ephemeral Stream (R6)
- Palustrine Emergent Wetland (PEM)
- Palustrine Forested Wetland (PFO)
- Palustrine Open Water (POW)
- Contours (2-foot)











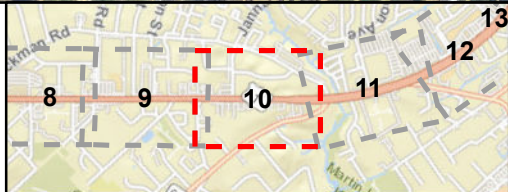
Richmond Highway
Bus Rapid Transit Project
Preliminary Mapping

0 50 100 200 Feet


Page 9
of 22




- | | |
|--|---|
|  LOD |  Upper Perennial Stream (R3) |
|  Palustrine Emergent Wetland (PEM) |  Intermittent Stream (R4) |
|  Palustrine Forested Wetland (PFO) |  Ephemeral Stream (R6) |
|  Palustrine Open Water (POW) |  Contours (2-foot) |



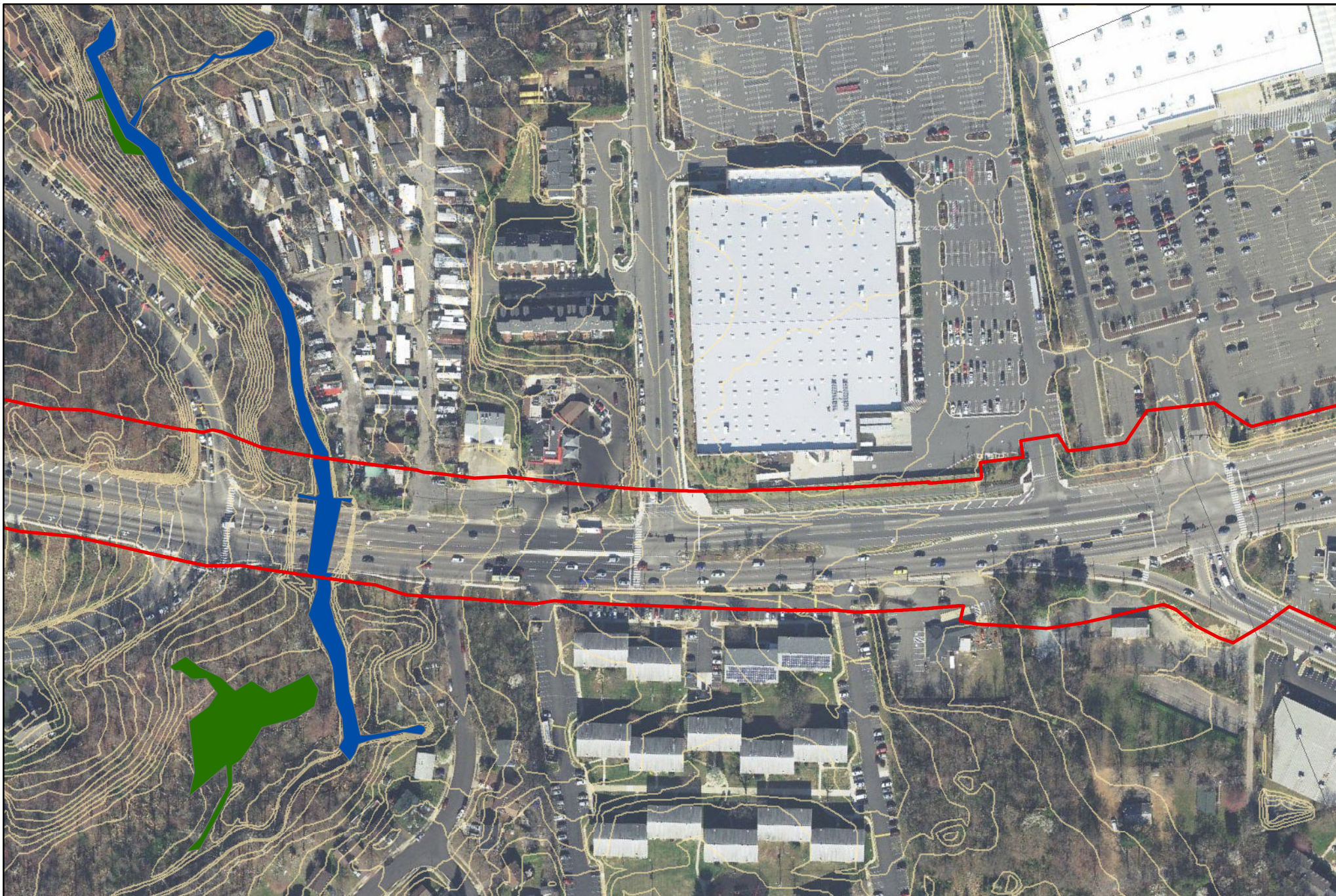
Richmond Highway
Bus Rapid Transit Project
Preliminary Mapping











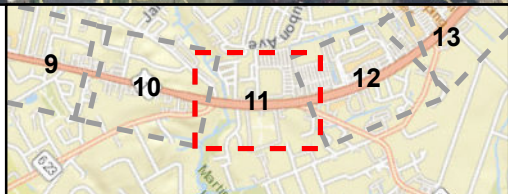


0 50 100 200 Feet


Page 10
of 22

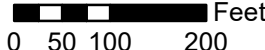


- | | |
|--|---|
|  LOD |  Upper Perennial Stream (R3) |
|  Palustrine Emergent Wetland (PEM) |  Intermittent Stream (R4) |
|  Palustrine Forested Wetland (PFO) |  Ephemeral Stream (R6) |
|  Palustrine Open Water (POW) |  Contours (2-foot) |



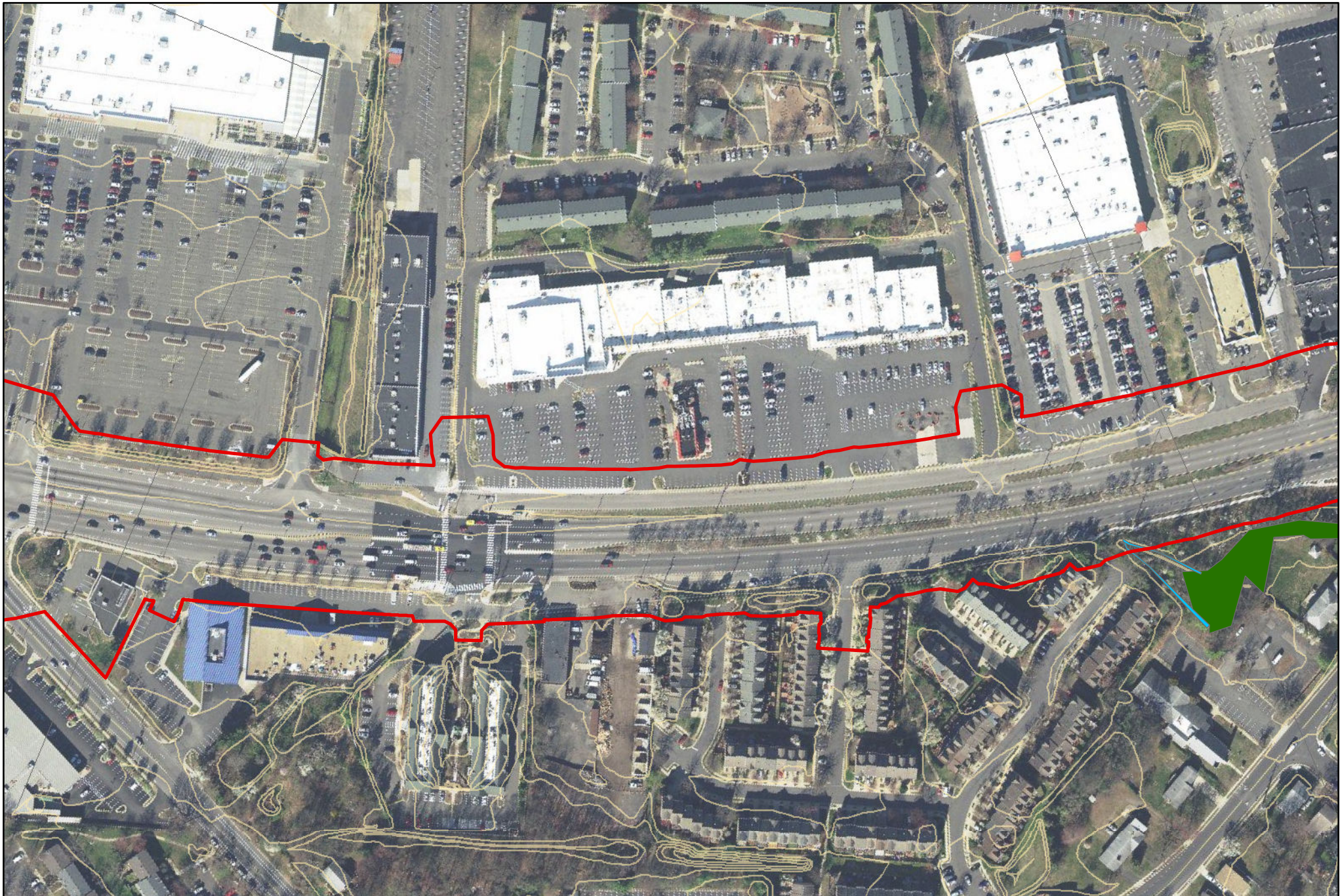
Richmond Highway
Bus Rapid Transit Project
Preliminary Mapping



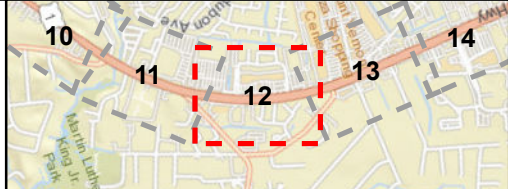


0 50 100 200 Feet

Page 11
of 22



- LOD
- Palustrine Emergent Wetland (PEM)
- Palustrine Forested Wetland (PFO)
- Palustrine Open Water (POW)
- Upper Perennial Stream (R3)
- Intermittent Stream (R4)
- Ephemeral Stream (R6)
- Contours (2-foot)



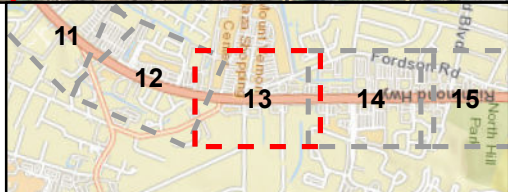
Richmond Highway
Bus Rapid Transit Project
Preliminary Mapping

0 50 100 200 Feet

Page 12
of 22



- LOD
- Palustrine Emergent Wetland (PEM)
- Palustrine Forested Wetland (PFO)
- Palustrine Open Water (POW)
- Upper Perennial Stream (R3)
- Intermittent Stream (R4)
- Ephemeral Stream (R6)
- Contours (2-foot)

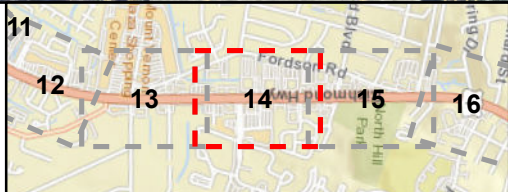


Richmond Highway
Bus Rapid Transit Project
Preliminary Mapping

Page 13
of 22



- LOD
- Palustrine Emergent Wetland (PEM)
- Palustrine Forested Wetland (PFO)
- Palustrine Open Water (POW)
- Upper Perennial Stream (R3)
- Intermittent Stream (R4)
- Ephemeral Stream (R6)
- Contours (2-foot)



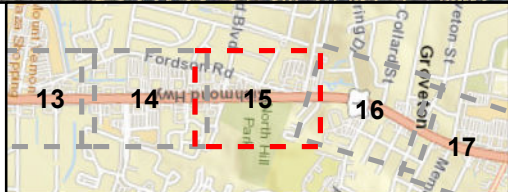
Richmond Highway
Bus Rapid Transit Project
Preliminary Mapping

0 50 100 200 Feet

Page 14
of 22



- LOD
- Palustrine Emergent Wetland (PEM)
- Palustrine Forested Wetland (PFO)
- Palustrine Open Water (POW)
- Upper Perennial Stream (R3)
- Intermittent Stream (R4)
- Ephemeral Stream (R6)
- Contours (2-foot)



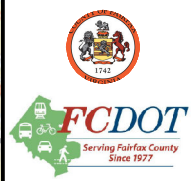
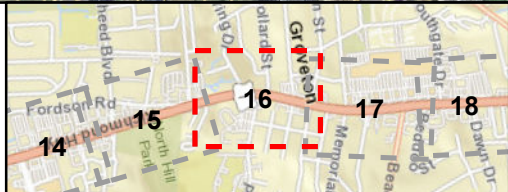
Richmond Highway
Bus Rapid Transit Project
Preliminary Mapping

0 50 100 200 Feet

Page 15
of 22



- LOD
- Upper Perennial Stream (R3)
- Palustrine Emergent Wetland (PEM)
- Intermittent Stream (R4)
- Palustrine Forested Wetland (PFO)
- Ephemeral Stream (R6)
- Palustrine Open Water (POW)
- Contours (2-foot)



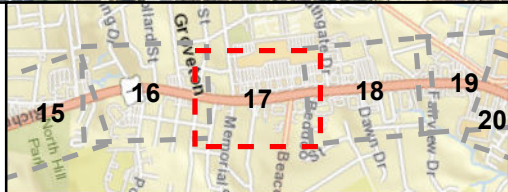
Richmond Highway
Bus Rapid Transit Project
Preliminary Mapping

0 50 100 200 Feet

Page 16
of 22



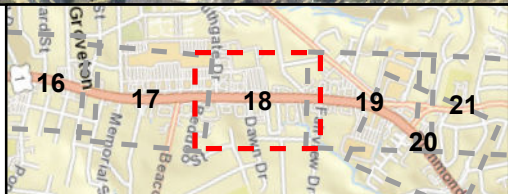
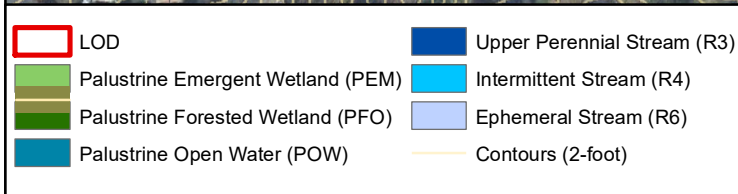
- | | |
|-----------------------------------|-----------------------------|
| LOD | Upper Perennial Stream (R3) |
| Palustrine Emergent Wetland (PEM) | Intermittent Stream (R4) |
| Palustrine Forested Wetland (PFO) | Ephemeral Stream (R6) |
| Palustrine Open Water (POW) | Contours (2-foot) |




Richmond Highway
Bus Rapid Transit Project
Preliminary Mapping

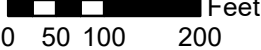
0 50 100 200 Feet

Page 17
of 22



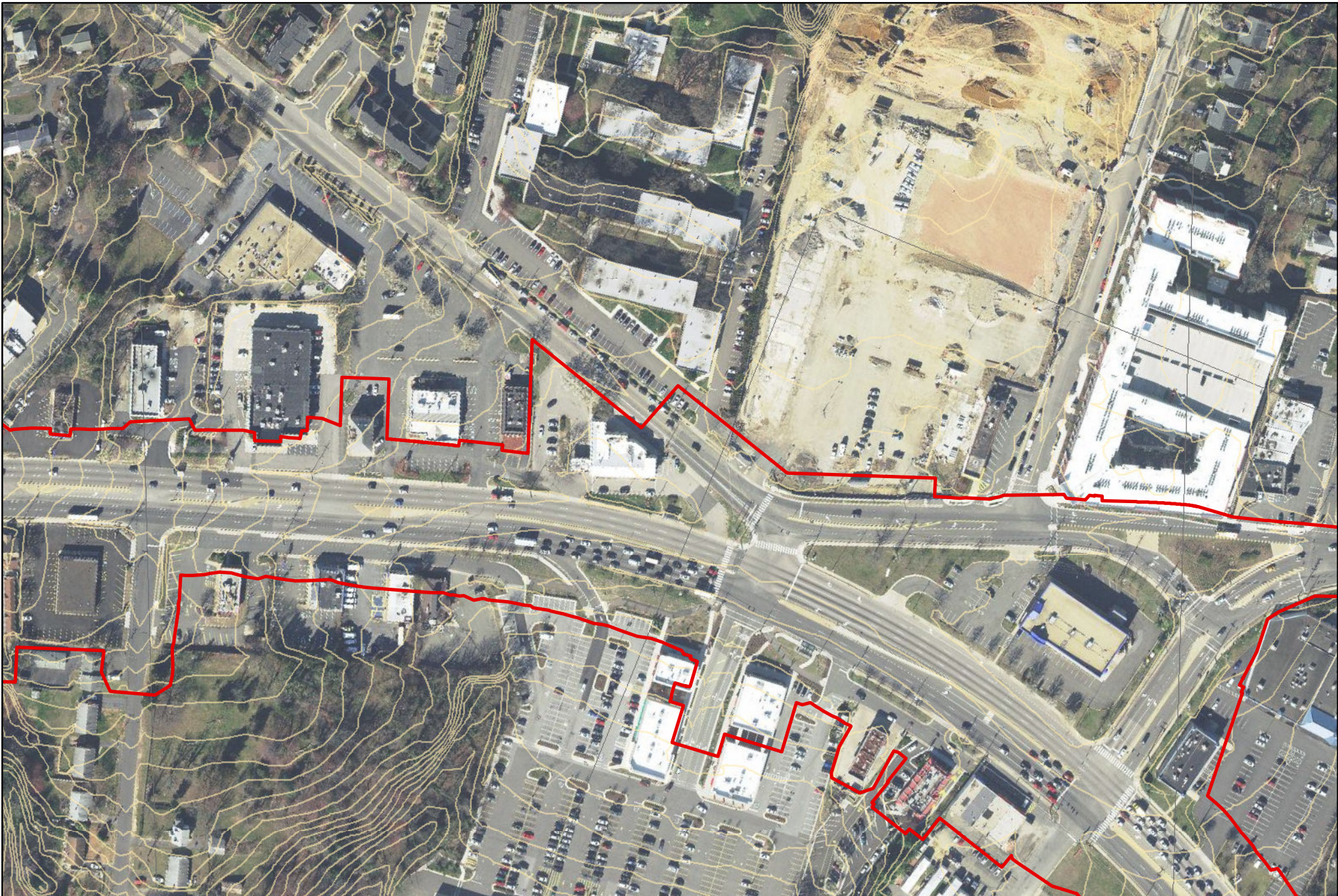
Richmond Highway
Bus Rapid Transit Project
Preliminary Mapping



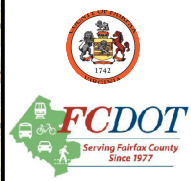
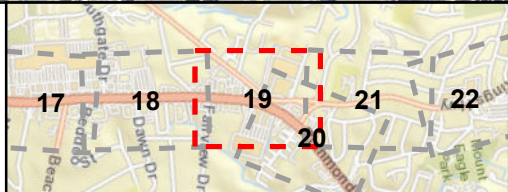


0 50 100 200 Feet

Page 18
of 22



- LOD
- Upper Perennial Stream (R3)
- Palustrine Emergent Wetland (PEM)
- Intermittent Stream (R4)
- Palustrine Forested Wetland (PFO)
- Ephemeral Stream (R6)
- Palustrine Open Water (POW)
- Contours (2-foot)



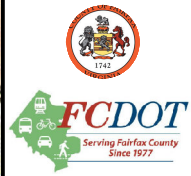
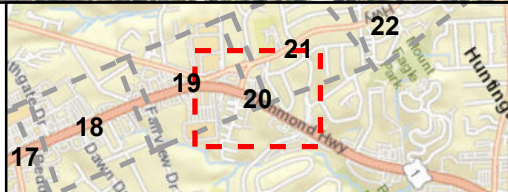
Richmond Highway
Bus Rapid Transit Project
Preliminary Mapping

0 50 100 200 Feet

Page 19
of 22



- LOD
- Upper Perennial Stream (R3)
- Palustrine Emergent Wetland (PEM)
- Intermittent Stream (R4)
- Palustrine Forested Wetland (PFO)
- Ephemeral Stream (R6)
- Palustrine Open Water (POW)
- Contours (2-foot)



Richmond Highway
 Bus Rapid Transit Project
Preliminary Mapping

0 50 100 200 Feet

Page 20
of 22



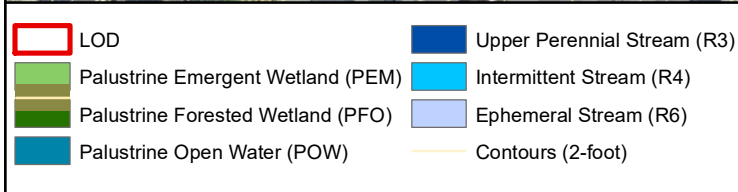
- LOD
- Upper Perennial Stream (R3)
- Palustrine Emergent Wetland (PEM)
- Intermittent Stream (R4)
- Palustrine Forested Wetland (PFO)
- Ephemeral Stream (R6)
- Palustrine Open Water (POW)
- Contours (2-foot)



Richmond Highway
Bus Rapid Transit Project
Preliminary Mapping

0 50 100 200 Feet

Page 21
of 22



Richmond Highway
Bus Rapid Transit Project
Preliminary Mapping

0 50 100 200 Feet

Page 22
of 22

APPENDIX B: NATURAL RESOURCES DATABASE SEARCH RESULTS





United States Department of the Interior



FISH AND WILDLIFE SERVICE
Virginia Ecological Services Field Office
6669 Short Lane
Gloucester, VA 23061-4410
Phone: (804) 693-6694 Fax: (804) 693-9032
<http://www.fws.gov/northeast/virginiafield/>

In Reply Refer To:

May 06, 2021

Consultation code: 05E2VA00-2021-TA-3505

Event Code: 05E2VA00-2021-E-10346

Project Name: Richmond Highway Bus Rapid Transit Project

Subject: Verification letter for the 'Richmond Highway Bus Rapid Transit Project' project under the January 5, 2016, Programmatic Biological Opinion on Final 4(d) Rule for the Northern Long-eared Bat and Activities Excepted from Take Prohibitions.

Dear Travis Comer:

The U.S. Fish and Wildlife Service (Service) received on May 06, 2021 your effects determination for the 'Richmond Highway Bus Rapid Transit Project' (the Action) using the northern long-eared bat (*Myotis septentrionalis*) key within the Information for Planning and Consultation (IPaC) system. This IPaC key assists users in determining whether a Federal action is consistent with the activities analyzed in the Service's January 5, 2016, Programmatic Biological Opinion (PBO). The PBO addresses activities excepted from "take"^[1] prohibitions applicable to the northern long-eared bat under the Endangered Species Act of 1973 (ESA) (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.).

Based upon your IPaC submission, the Action is consistent with activities analyzed in the PBO. The Action may affect the northern long-eared bat; however, any take that may occur as a result of the Action is not prohibited under the ESA Section 4(d) rule adopted for this species at 50 CFR §17.40(o). Unless the Service advises you within 30 days of the date of this letter that your IPaC-assisted determination was incorrect, this letter verifies that the PBO satisfies and concludes your responsibilities for this Action under ESA Section 7(a)(2) with respect to the northern long-eared bat.

Please report to our office any changes to the information about the Action that you submitted in IPaC, the results of any bat surveys conducted in the Action area, and any dead, injured, or sick northern long-eared bats that are found during Action implementation. If the Action is not completed within one year of the date of this letter, you must update and resubmit the information required in the IPaC key.

If the Action may affect other federally listed species besides the northern long-eared bat, a proposed species, and/or designated critical habitat, additional consultation between you and this Service office is required. If the Action may disturb bald or golden eagles, additional coordination with the Service under the Bald and Golden Eagle Protection Act is recommended.

[1]Take means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct [ESA Section 3(19)].

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

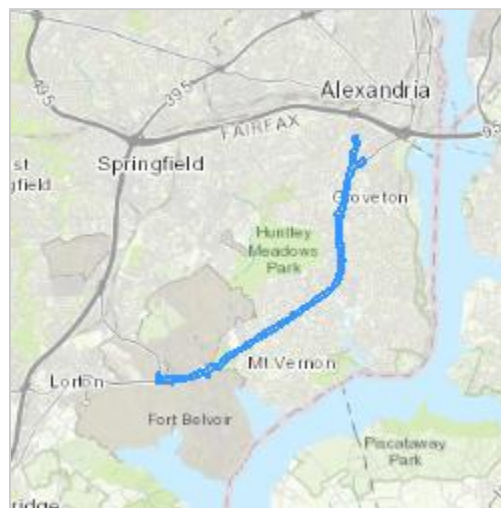
Richmond Highway Bus Rapid Transit Project

2. Description

The following description was provided for the project 'Richmond Highway Bus Rapid Transit Project':

The Fairfax County Department of Transportation (FCDOT), in coordination with the Federal Transit Administration (FTA) as the lead federal agency, is preparing a documented Categorical Exclusion (CE) for the US 1 / Richmond Highway Bus Rapid Transit System (Richmond Highway BRT), pursuant to the National Environmental Policy Act (NEPA). This CE will evaluate providing a BRT system extending 7.4 miles along VA 241 / North Kings Highway and US 1 / Richmond Highway from the Huntington Metrorail Station in the north to Fort Belvoir in the south. The CE is being prepared in accordance with FTA's regulations on implementing NEPA (23 CFR §771.118).

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@38.7499366,-77.08310382052031,14z>



Determination Key Result

This Federal Action may affect the northern long-eared bat in a manner consistent with the description of activities addressed by the Service's PBO dated January 5, 2016. Any taking that may occur incidental to this Action is not prohibited under the final 4(d) rule at 50 CFR §17.40(o). Therefore, the PBO satisfies your responsibilities for this Action under ESA Section 7(a)(2) relative to the northern long-eared bat.

Determination Key Description: Northern Long-eared Bat 4(d) Rule

This key was last updated in IPaC on May 15, 2017. Keys are subject to periodic revision.

This key is intended for actions that may affect the threatened northern long-eared bat.

The purpose of the key for Federal actions is to assist determinations as to whether proposed actions are consistent with those analyzed in the Service's PBO dated January 5, 2016.

Federal actions that may cause prohibited take of northern long-eared bats, affect ESA-listed species other than the northern long-eared bat, or affect any designated critical habitat, require ESA Section 7(a)(2) consultation in addition to the use of this key. Federal actions that may affect species proposed for listing or critical habitat proposed for designation may require a conference under ESA Section 7(a)(4).

Determination Key Result

This project may affect the threatened Northern long-eared bat; therefore, consultation with the Service pursuant to Section 7(a)(2) of the Endangered Species Act of 1973 (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.) is required. However, based on the information you provided, this project may rely on the Service's January 5, 2016, *Programmatic Biological Opinion on Final 4(d) Rule for the Northern Long-Eared Bat and Activities Excepted from Take Prohibitions* to fulfill its Section 7(a)(2) consultation obligation.

Qualification Interview

1. Is the action authorized, funded, or being carried out by a Federal agency?
Yes
2. Have you determined that the proposed action will have "no effect" on the northern long-eared bat? (If you are unsure select "No")
No
3. Will your activity purposefully **Take** northern long-eared bats?
No
4. [Semantic] Is the project action area located wholly outside the White-nose Syndrome Zone?
Automatically answered
No
5. Have you contacted the appropriate agency to determine if your project is near a known hibernaculum or maternity roost tree?

Location information for northern long-eared bat hibernacula is generally kept in state Natural Heritage Inventory databases – the availability of this data varies state-by-state. Many states provide online access to their data, either directly by providing maps or by providing the opportunity to make a data request. In some cases, to protect those resources, access to the information may be limited. A web page with links to state Natural Heritage Inventory databases and other sources of information on the locations of northern long-eared bat roost trees and hibernacula is available at www.fws.gov/midwest/angered/mammals/nleb/nhisites.html.

Yes

6. Will the action affect a cave or mine where northern long-eared bats are known to hibernate (i.e., hibernaculum) or could it alter the entrance or the environment (physical or other alteration) of a hibernaculum?
No
 7. Will the action involve Tree Removal?
Yes
-

8. Will the action only remove hazardous trees for the protection of human life or property?

No

9. Will the action remove trees within 0.25 miles of a known northern long-eared bat hibernaculum at any time of year?

No

10. Will the action remove a known occupied northern long-eared bat maternity roost tree or any trees within 150 feet of a known occupied maternity roost tree from June 1 through July 31?

No

Project Questionnaire

If the project includes forest conversion, report the appropriate acreages below. Otherwise, type '0' in questions 1-3.

1. Estimated total acres of forest conversion:

1.2

2. If known, estimated acres of forest conversion from April 1 to October 31

0

3. If known, estimated acres of forest conversion from June 1 to July 31

0

If the project includes timber harvest, report the appropriate acreages below. Otherwise, type '0' in questions 4-6.

4. Estimated total acres of timber harvest

0

5. If known, estimated acres of timber harvest from April 1 to October 31

0

6. If known, estimated acres of timber harvest from June 1 to July 31

0

If the project includes prescribed fire, report the appropriate acreages below. Otherwise, type '0' in questions 7-9.

7. Estimated total acres of prescribed fire

0

8. If known, estimated acres of prescribed fire from April 1 to October 31

0

9. If known, estimated acres of prescribed fire from June 1 to July 31

0

If the project includes new wind turbines, report the megawatts of wind capacity below. Otherwise, type '0' in question 10.

10. What is the estimated wind capacity (in megawatts) of the new turbine(s)?

0

Endangered Species Act (ESA) Section 7 Determination Table

Project Name: Richmond Highway Bus Rapid Transit Project

Date: October 8, 2021

Consultation Code: 05E2VA00-2021-SLI-3505

Species / Resource Name	Habitat/Species Presence in Action Area	Sources of Info	ESA Section 7 Determination	Project Elements that Support Determination
<i>Insert name of species or resource as listed on Official Species List.</i>	<i>Indicate if suitable habitat and species are present in the Action Area (see examples in Step 5).</i>	<i>Explain what info suitable habitat/species presence is based on.</i>	<i>Using reasoning and decision tables in Step 5, select determination for each species (e.g. no effect, not likely to adversely affect, or likely to adversely affect).</i>	<i>Explain which project elements may impact the habitat or individuals of each species and any Avoidance and Minimization Measures being implemented.</i>
Northern long-eared bat (<i>Myotis septentrionalis</i>)		DKey	Covered by 4(d) Rule	N/A
Critical habitat	Critical habitat not present	VAFO CH Map Tool	No effect	N/A



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Virginia Ecological Services Field Office
6669 Short Lane
Gloucester, VA 23061-4410
Phone: (804) 693-6694 Fax: (804) 693-9032
<http://www.fws.gov/northeast/virginiafield/>

In Reply Refer To:

October 08, 2021

Consultation Code: 05E2VA00-2021-SLI-3505

Event Code: 05E2VA00-2022-E-00554

Project Name: Richmond Highway Bus Rapid Transit Project

Subject: Updated list of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*). Any activity proposed on National Wildlife Refuge lands must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered

species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
 - USFWS National Wildlife Refuges and Fish Hatcheries
-

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Virginia Ecological Services Field Office

6669 Short Lane

Gloucester, VA 23061-4410

(804) 693-6694

Project Summary

Consultation Code: 05E2VA00-2021-SLI-3505

Event Code: Some(05E2VA00-2022-E-00554)

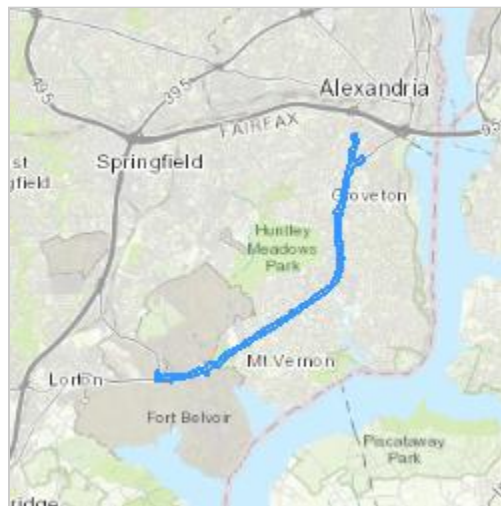
Project Name: Richmond Highway Bus Rapid Transit Project

Project Type: TRANSPORTATION

Project Description: The Fairfax County Department of Transportation (FCDOT), in coordination with the Federal Transit Administration (FTA) as the lead federal agency, is preparing a documented Categorical Exclusion (CE) for the US 1 / Richmond Highway Bus Rapid Transit System (Richmond Highway BRT), pursuant to the National Environmental Policy Act (NEPA). This CE will evaluate providing a BRT system extending 7.4 miles along VA 241 / North Kings Highway and US 1 / Richmond Highway from the Huntington Metrorail Station in the north to Fort Belvoir in the south. The CE is being prepared in accordance with FTA's regulations on implementing NEPA (23 CFR §771.118).

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@38.7499366,-77.08310382052031,14z>



Counties: Fairfax County, Virginia

Endangered Species Act Species

There is a total of 2 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Threatened

Insects

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate

Critical habitats

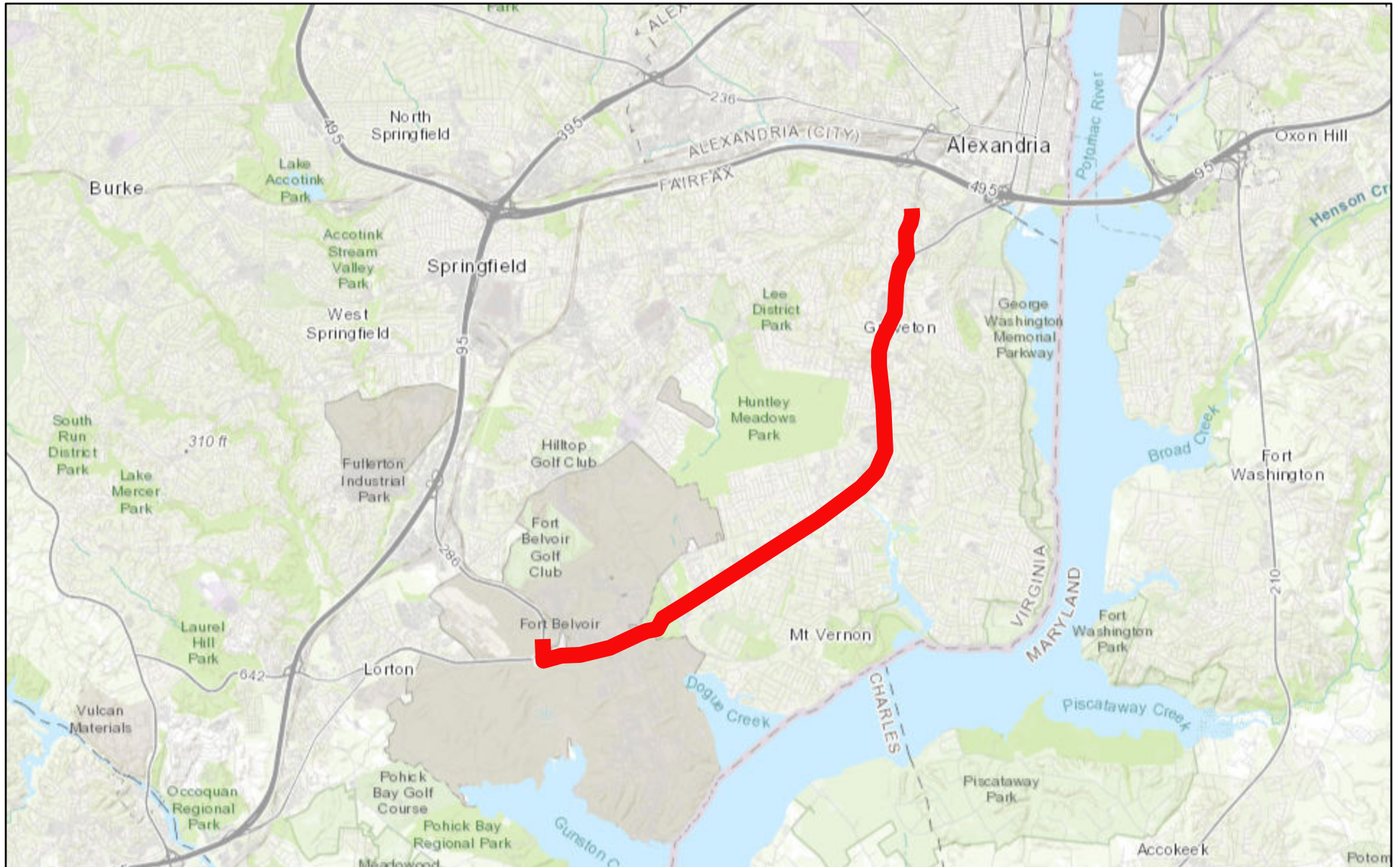
THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

USFWS National Wildlife Refuge Lands And Fish Hatcheries

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

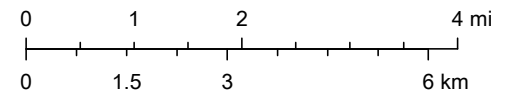
THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

NLEB Locations and Roost Trees



5/4/2021, 11:16:34 AM

1:144,448

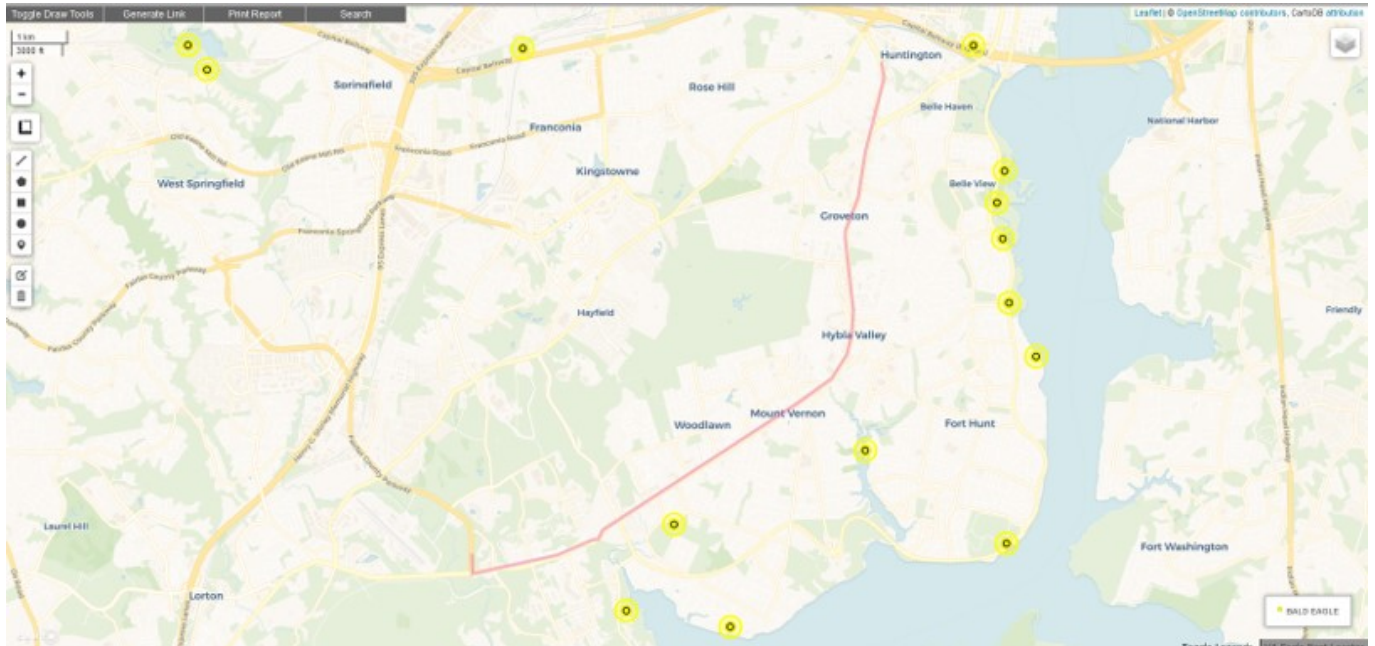


Fairfax County, VA, VITA, Esri, HERE, Garmin, USGS, NGA, EPA, USDA,

VA Dept. Game & Inland Fisheries
Fairfax County, VA, VITA, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS |



CCB Mapping Portal



Layers: VA Eagle Nest Locator, VA Eagle Nest Buffers

Map Center [longitude, latitude]: [-77.1185302734375, 38.74825976344174]

Map Link:

https://ccbbirds.org/maps/#layer=VA+Eagle+Nest+Locator&layer=VA+Eagle+Nest+Buffers&zoom=13&lat=38.74825976344174&lng=-77.1185302734375&legend=legend_tab_7c321b7e-e523-11e4-aaa0-0e0c41326911&base=Street+Map+%28OSM%2FCarto%29

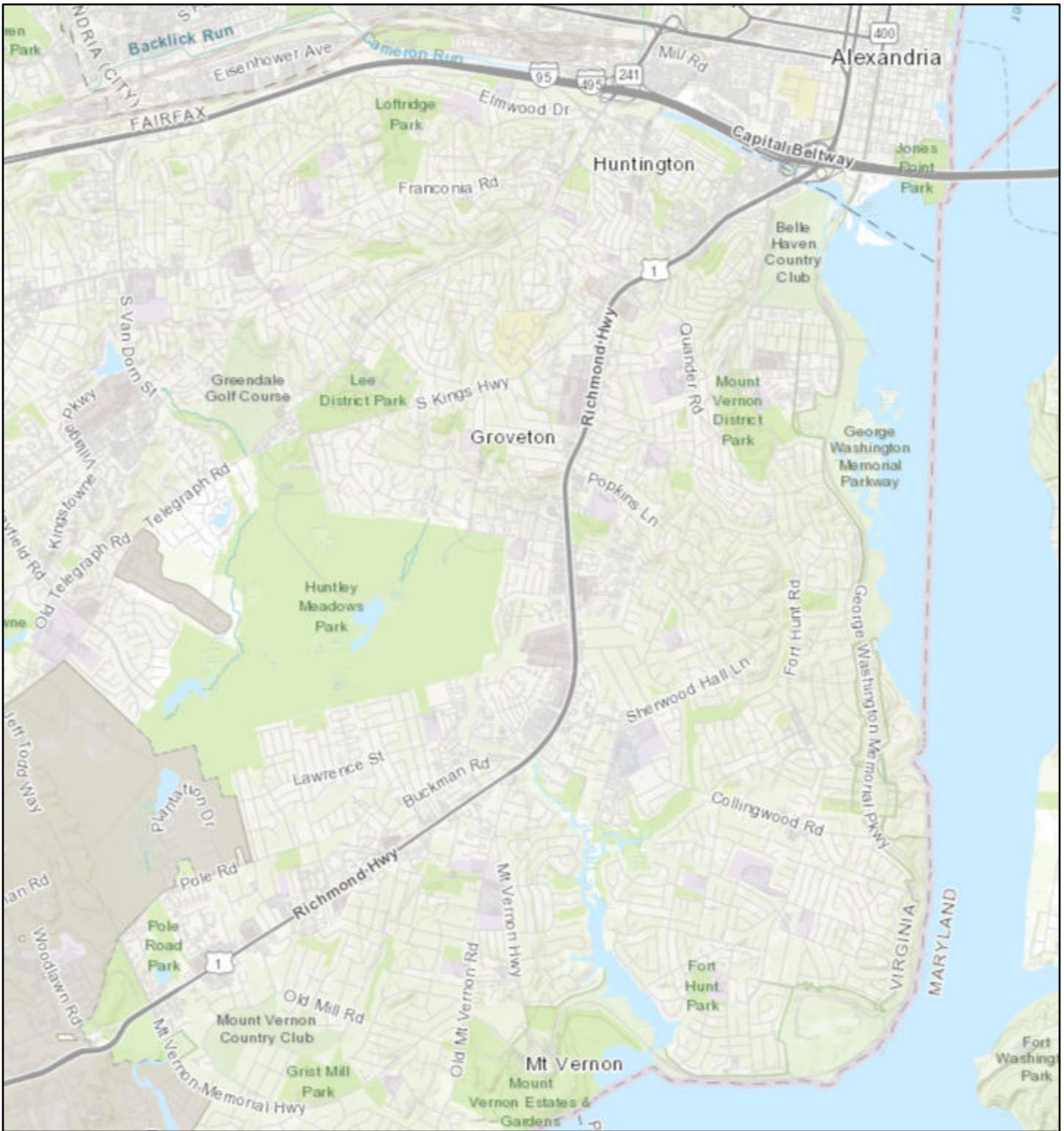
Report Generated On: 05/04/2021

The Center for Conservation Biology (CCB) provides certain data online as a free service to the public and the regulatory sector. CCB encourages the use of its data sets in wildlife conservation and management applications. These data are protected by intellectual property laws. All users are reminded to view the [Data Use Agreement](#), to ensure compliance with our data use policies. For additional data access questions, view our [Data Distribution Policy](#), or contact our Data Manager, Marie Pitts, at mlpitts@wm.edu or 757-221-7503.

Report generated by [The Center for Conservation Biology Mapping Portal](#).

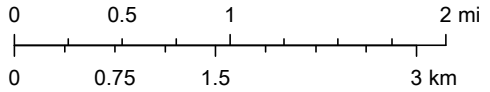
To learn more about CCB visit ccbbirds.org or contact us at info@ccbbirds.org

Richmond Highway Bus Rapid Transit System Critical Habitat



October 8, 2021

1:72,224



Fairfax County, VA, VITA, Esri, HERE, Garmin, INCREMENT P, USGS, MET/NASA, NGA, EPA, USDA

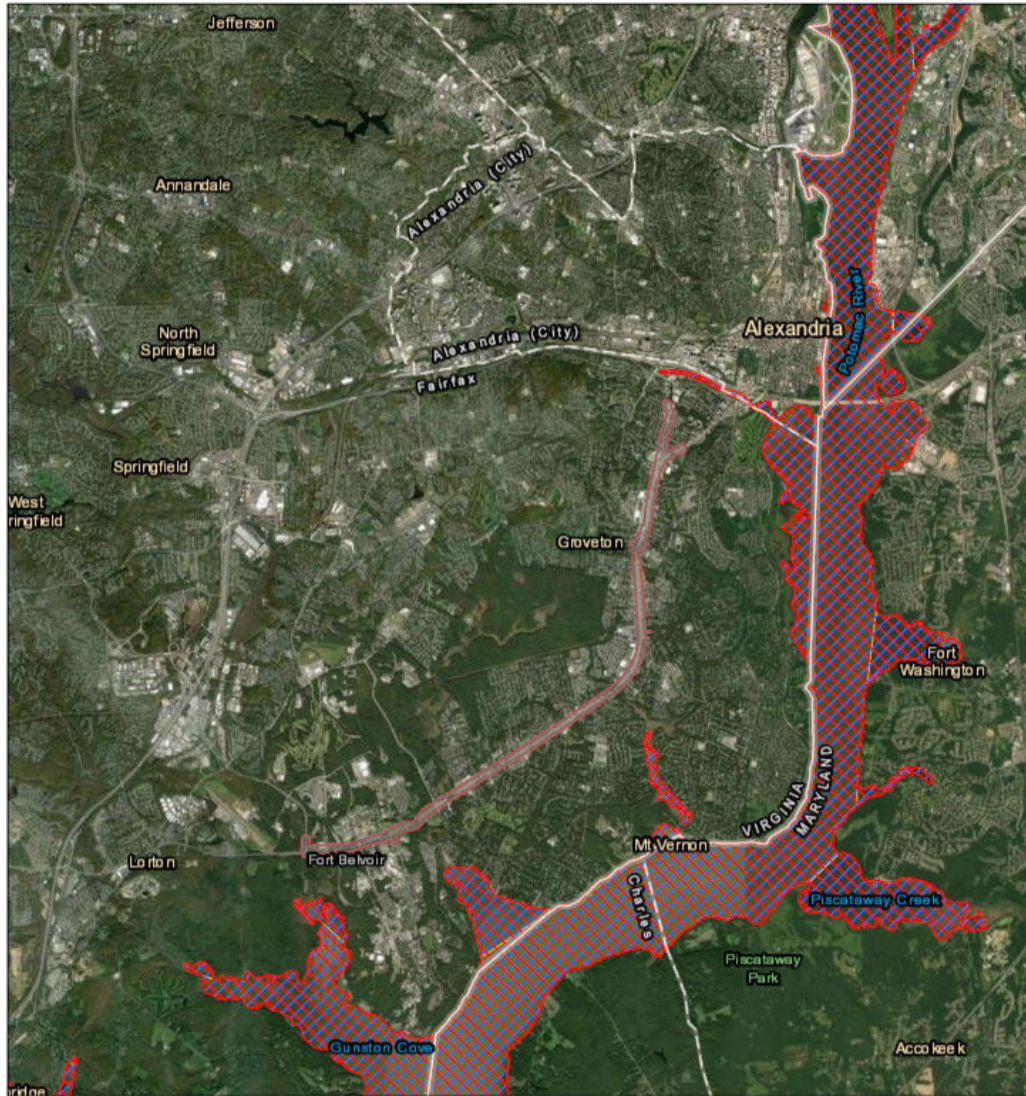





Richmond Highway BRT & Overlapping Consultation Areas

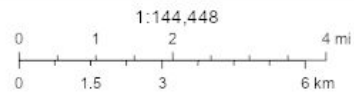
Area of Interest (AOI) Information

Area : 570.74 acres

Oct 8 2021 15:02:16 Eastern Daylight Time



-  Atlantic Sturgeon
-  Shortnose Sturgeon
-  In or Near Critical Habitat



Earthstar Geographics, VITA, Esri, HERE, Garmin

Summary

Name	Count	Area(acres)	Length(mi)
Atlantic Sturgeon	0	0	N/A
Shortnose Sturgeon	0	0	N/A
Atlantic Salmon	0	0	N/A
Sea Turtles	0	0	N/A
Atlantic Large Whales	0	0	N/A
In or Near Critical Habitat	0	0	N/A

DISCLAIMER: Use of this App does NOT replace the Endangered Species Act (ESA) Section 7 consultation process; it is a first step in determining if a proposed Federal action overlaps with listed species or critical habitat presence. Because the data provided through this App are updated regularly, reporting results must include the date they were generated. The report outputs (map/tables) depend on the options picked by the user, including the shape and size of the action area drawn, the layers marked as visible or selectable, and the buffer distance specified when using the "Draw your Action Area" function. Area calculations represent the size of overlap between the user-drawn Area of Interest (with buffer) and the specified S7 Consultation Area. Summary table areas represent the sum of these overlapping areas for each species group.

Site Location

38,44,30.1 -77,06,23.5
is the Search Point

Show Position Rings

Yes No
1 mile and 1/4 mile at the Search Point

Show Search Area

Yes No
2 Search distance miles
buffer

Display Search Point is not
at center at map center

Base Map Choices

Topography

Map Overlay Choices

Current List: Position, Search, BECAR, BAEANests, TEWaters, TierII, Habitat, Trout, Anadromous

Map Overlay Legend

T & E Waters

Federal
State

**Predicted Habitat
WAP Tier I & II**

Aquatic
Terrestrial

Trout Waters

Class I - IV
Class V - VI

Anadromous Fish Reach

Confirmed
Potential

Impediment

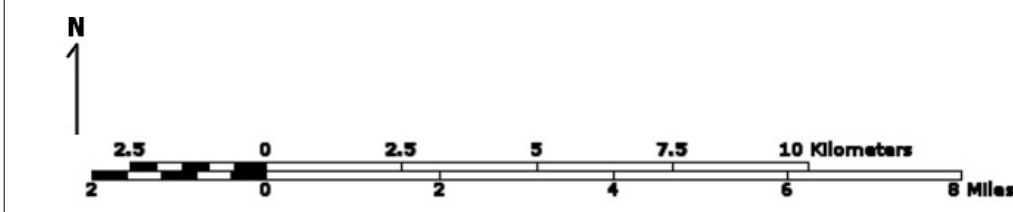
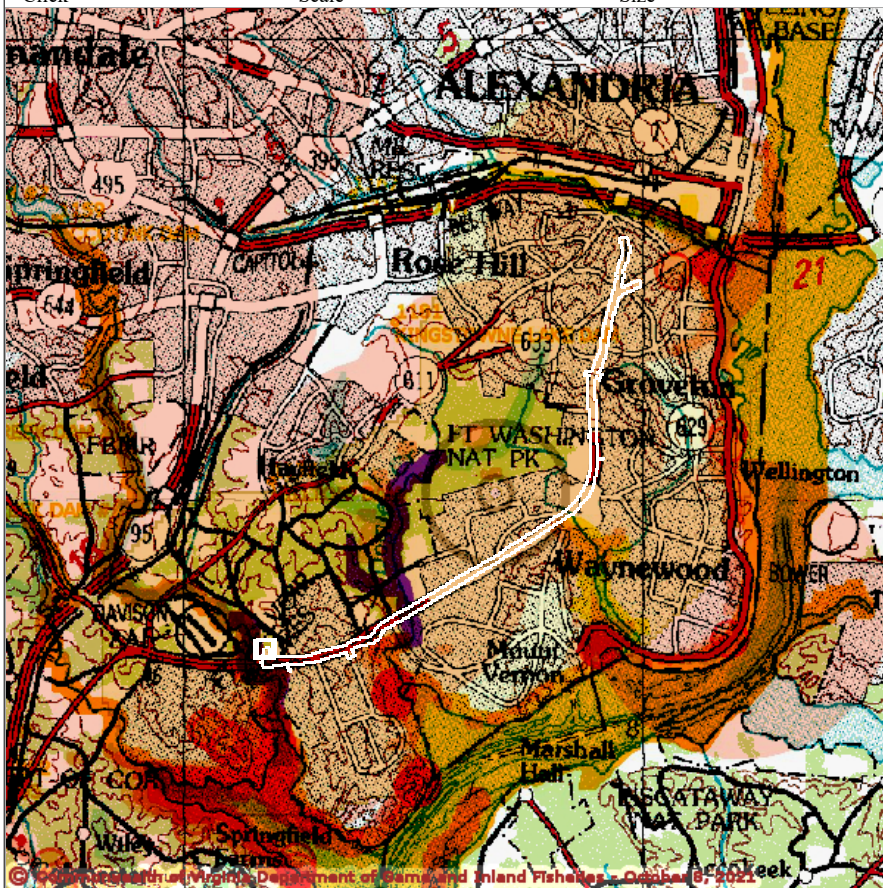
Position Rings
1 mile and 1/4 mile at the Search Point

2 mile radius Search Area

Bald Eagle Concentration Areas and Roosts

Map Click **Pan** **Go** **M** Map Scale **In** **Zoom** **Out** Screen Size **Small** **Size** **Big** [Help](#)

[Refresh Browser Page](#)



Point of Search 38,44,30.1 -77,06,23.5

Map Location 38,44,59.9 -77,07,07.3

- Select **Coordinate System:**
- Degrees, Minutes, Seconds Latitude - Longitude
 - Decimal Degrees Latitude - Longitude
 - Meters UTM NAD83 East North Zone
 - Meters UTM NAD27 East North Zone

Base Map source: USGS 1:250,000 topographic maps (see [Microsoft terra-server-usa.com](http://Microsoft.terra-server-usa.com) for details)

Map projection is UTM Zone 18 NAD 1983 with left 306287 and top 4300765. Pixel size is 27. . Coordinates displayed are Degrees, Minutes, Seconds North and West. Map is currently displayed as 600 columns by 600 rows for a total of 360000 pixels. The map display represents 19200 meters east to west by 19200 meters north to south for a total of 368.6 square kilometers. The map display represents 63002 feet east to west by 63002 feet north to south for a total of 142.3 square miles.

Topographic maps and Black and white aerial photography for year 1990+- are from the United States Department of the Interior, United States Geological Survey. Color aerial photography acquired 2002 is from Virginia Base Mapping Program, Virginia Geographic Information Network. Shaded topographic maps are from TOPO! ©2006 National Geographic

<http://www.national.geographic.com/topo>

All other map products are from the Commonwealth of Virginia Department of Game and Inland Fisheries.

map assembled 2021-10-08 15:14:37 (qa/qc March 21, 2016 12:20 - tn=1142569.0 dist=3218
1)

\$poi=38.7417200 -77.1065299

[DGIF](#) | [Credits](#) | [Disclaimer](#) | Contact vafwis_support@dgif.virginia.gov | Please view our [privacy policy](#) |

© 1998-2021 Commonwealth of Virginia Department of Game and Inland Fisheries

VaFWIS Search Report Compiled on 10/8/2021, 3:15:57 PM

[Help](#)

Known or likely to occur within a **2 mile buffer around polygon; center 38.7417200 -77.1065299**
in **059 Fairfax County, 510 Alexandria City, VA**

[View Map of Site Location](#)

718 Known or Likely Species ordered by Status Concern for Conservation
(displaying first 32) (32 species with Status* or Tier I** or Tier II**)

BOVA Code	Status*	Tier**	Common Name	Scientific Name	Confirmed	Database(s)
010032	FESE	Ib	Sturgeon, Atlantic	Acipenser oxyrinchus		BOVA
050022	FTST	Ia	Bat, northern long-eared	Myotis septentrionalis		BOVA
060029	FTST	IIa	Lance, yellow	Elliptio lanceolata		BOVA
050020	SE	Ia	Bat, little brown	Myotis lucifugus		BOVA
050027	SE	Ia	Bat, tri-colored	Perimyotis subflavus	Yes	BOVA,SppObs,HU6
060006	SE	Ib	Floater, brook	Alasmidonta varicosa		BOVA
030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes	BOVA,TEWaters,Habitat,SppObs,HU6
040096	ST	Ia	Falcon, peregrine	Falco peregrinus	Yes	BOVA,SppObs
040293	ST	Ia	Shrike, loggerhead	Lanius ludovicianus		BOVA
040379	ST	Ia	Sparrow, Henslow's	Centronyx henslowii		BOVA
100155	ST	Ia	Skipper, Appalachian grizzled	Pyrgus wyandot		BOVA,HU6
040292	ST		Shrike, migrant loggerhead	Lanius ludovicianus migrans		BOVA
030063	CC	IIIa	Turtle, spotted	Clemmys guttata	Yes	BOVA,SppObs,HU6
030012	CC	IVa	Rattlesnake, timber	Crotalus horridus		BOVA
010077		Ia	Shiner, bridle	Notropis bifrenatus	Yes	BOVA,Habitat,SppObs,HU6

040040		Ia	Ibis, glossy	Plegadis falcinellus	Yes	BOVA,SppObs,HU6
040306		Ia	Warbler, golden-winged	Vermivora chrysoptera		BOVA
100248		Ia	Fritillary, regal	Speyeria idalia idalia		BOVA,HU6
040213		Ic	Owl, northern saw-whet	Aegolius acadicus		BOVA,HU6
070027		Ic	Amphipod, Northern Virginia well	Stygobromus phreaticus		HU6
040052		IIa	Duck, American black	Anas rubripes	Potential	BOVA,BBA,HU6
040033		IIa	Egret, snowy	Egretta thula	Yes	BOVA,SppObs
040029		IIa	Heron, little blue	Egretta caerulea caerulea		BOVA
040036		IIa	Night-heron, yellow-crowned	Nyctanassa violacea violacea	Yes	BOVA,BBA,SppObs
040181		IIa	Tern, common	Sterna hirundo		BOVA,HU6
040320		IIa	Warbler, cerulean	Setophaga cerulea		BOVA,HU6
040140		IIa	Woodcock, American	Scolopax minor	Potential	BOVA,BBA,HU6
060071		IIa	Lampmussel, yellow	Lampsilis cariosa		BOVA
040203		IIb	Cuckoo, black-billed	Coccyzus erythrophthalmus	Potential	BOVA,BBA
040105		IIb	Rail, king	Rallus elegans	Yes	BOVA,Habitat,BBA,SppObs,HU6
040304		IIc	Warbler, Swainson's	Limnothlypis swainsonii		BOVA,HU6
100154		IIc	Butterfly, Persius duskywing	Erynnis persius persius		BOVA,HU6

To view **All 718 species** [View 718](#)

*FE=Federal Endangered; FT=Federal Threatened; SE=State Endangered; ST=State Threatened; FP=Federal Proposed; FC=Federal Candidate; CC=Collection Concern

**I=VA Wildlife Action Plan - Tier I - Critical Conservation Need;
 II=VA Wildlife Action Plan - Tier II - Very High Conservation Need;

III=VA Wildlife Action Plan - Tier III - High Conservation Need;

IV=VA Wildlife Action Plan - Tier IV - Moderate Conservation Need

Virginia Wildlife Action Plan Conservation Opportunity Ranking:

a - On the ground management strategies/actions exist and can be feasibly implemented.;

b - On the ground actions or research needs have been identified but cannot feasibly be implemented at this time.;

c - No on the ground actions or research needs have been identified or all identified conservation opportunities have been exhausted.

[View Map of All Query Results from All Observation Tables](#)

Bat Colonies or Hibernacula: **Not Known**

Anadromous Fish Use Streams (6 records)

[View Map of All Anadromous Fish Use Streams](#)

Stream ID	Stream Name	Reach Status	Anadromous Fish Species			View Map
			Different Species	Highest TE*	Highest Tier**	
C18	Dogue creek	Confirmed	4		IV	Yes
C2	Accotink creek	Confirmed	2		IV	Yes
C62	Pohick creek	Confirmed	3		IV	Yes
C64	Potomac river	Confirmed	6		IV	Yes
P42	Cameron run	Potential	0			Yes
P94	Little Hunting Creek	Potential	0			Yes

Impediments to Fish Passage

N/A

Colonial Water Bird Survey

N/A

Threatened and Endangered Waters (19 Reaches)

[View Map of All Threatened and Endangered Waters](#)

Stream Name	T&E Waters Species					View Map
	Highest TE*	BOVA Code, Status*, Tier**, Common & Scientific Name				
(014379)	ST	030062	ST	Ia	Turtle, wood Glyptemys insculpta	Yes

(019299)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes
(019520)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes
Accotink Creek (014516)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes
Accotink Creek (016527)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes
Accotink Creek (019916)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes
Accotink Creek (020814)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes
Accotink Creek (020944)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes
Accotink Creek (021836)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes
Accotink Creek (025577)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes
Accotink Creek (026840)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes
Accotink Creek (05328)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes
Accotink Creek (09391)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes
Dogue Creek (013811)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes
Dogue Creek (018747)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes
Dogue Creek (019048)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes
Dogue Creek (022834)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes
Dogue Creek (024642)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes
Dogue Creek (031924)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes

Managed Trout Streams

N/A

Bald Eagle Concentration Areas and Roosts

are present. [View Map of Bald Eagle Concentration Areas and Roosts](#)

(6 records)

BECAR ID	Observation Year	Authority	Type	Comments	View Map
53	2006 - 2007	VDGIF, Center for Conservation Biology	Summer Concentration Area	Eagle_use High	Yes
54	2006 - 2007	VDGIF, Center for Conservation Biology	Summer Concentration Area	Eagle_use Low	Yes
55	2006 - 2007	VDGIF, Center for Conservation Biology	Summer Concentration Area	Eagle_use Moderate	Yes
56	2006 - 2007	VDGIF, Center for Conservation Biology	Winter Concentration Area	Eagle_use High	Yes
57	2006 - 2007	VDGIF, Center for Conservation Biology	Winter Concentration Area	Eagle_use Low	Yes
58	2006 - 2007	VDGIF, Center for Conservation Biology	Winter Concentration Area	Eagle_use Moderate	Yes

Bald Eagle Nests (8 records)

[View Map of All Query Results Bald Eagle Nests](#)

Nest	N Obs	Latest Date	DGIF Nest Status	View Map
FF0301	2	May 1 2003	HISTORIC	Yes
FF0401	9	May 4 2008	Unknown	Yes
FF0402	5	May 3 2006	HISTORIC	Yes
FF0501	8	May 4 2008	Unknown	Yes
FF0904	1	Dec 27 2008	UNKNOWN	Yes
FF9001	2	Jan 1 1991	HISTORIC	Yes
FF9201	17	Apr 29 2007	UNKNOWN	Yes
FF9202	18	Apr 27 2000	HISTORIC	Yes

Displayed 8 Bald Eagle Nests

Species Observations (1542 records - displaying first 52 , 52 Observations with Threatened or Endangered species)

[View Map of All Query Results Species Observations](#)

obsID	class	Date Observed	Observer	N Species			View Map
				Different Species	Highest TE*	Highest Tier**	

628461	SppObs	Aug 5 2015	Christopher Hobson	3	SE	I	Yes
616825	SppObs	Jul 25 2012	Chris; Hobson	3	SE	I	Yes
318657	SppObs	May 15 2005	Ft. Belvoir biologists	1	ST	I	Yes
318656	SppObs	May 27 1999	Scott Belfith	1	ST	I	Yes
63959	SppObs	Dec 31 1998	CHRIS LAMOND, RESOURCE MANAGER HUNTLEY MEADOWS PARK, , FAIRFAX, VA, PARK BIOLOGISTS (COLLECTORS)	42	ST	I	Yes
318655	SppObs	Aug 12 1998	Carol Ernst	1	ST	I	Yes
59559	SppObs	Aug 4 1998	TOM ACKRE	1	ST	I	Yes
3027	SppObs	Jan 1 1991	Sue Bruenderman, VDGIF	1	ST	I	Yes
3132	SppObs	May 28 1988	DCR/Div. Natural Heritage	1	ST	I	Yes
619937	SppObs	Apr 11 2013	Kara; Curtain	1	CC	III	Yes
621462	SppObs	Apr 11 2013	Kara; Curtain	1	CC	III	Yes
619938	SppObs	Apr 11 2013	Kara; Curtain	1	CC	III	Yes
621320	SppObs	Apr 3 2013	Kara; Curtain	1	CC	III	Yes
620903	SppObs	Apr 2 2013	Kara; Curtain	1	CC	III	Yes
620626	SppObs	Apr 2 2013	Kara; Curtain	1	CC	III	Yes
620083	SppObs	Apr 2 2013	Kara; Curtain	1	CC	III	Yes
620628	SppObs	Apr 2 2013	Kara; Curtain	1	CC	III	Yes
621319	SppObs	Apr 2 2013	Kara; Curtain	1	CC	III	Yes
620627	SppObs	Apr 2 2013	Kara; Curtain	1	CC	III	Yes
620905	SppObs	Apr 2 2013	Kara; Curtain	1	CC	III	Yes
620904	SppObs	Apr 2 2013	Kara; Curtain	1	CC	III	Yes

621318	SppObs	Mar 20 2013	Kara; Curtain	1	CC	III	Yes
620228	SppObs	Mar 20 2013	Kara; Curtain	1	CC	III	Yes
620082	SppObs	Mar 20 2013	Kara; Curtain	1	CC	III	Yes
619936	SppObs	Mar 19 2013	Kara; Curtain	1	CC	III	Yes
620624	SppObs	Mar 19 2013	Kara; Curtain	1	CC	III	Yes
621461	SppObs	Mar 19 2013	Kara; Curtain	1	CC	III	Yes
619935	SppObs	Mar 19 2013	Kara; Curtain	1	CC	III	Yes
621316	SppObs	Mar 19 2013	Kara; Curtain	1	CC	III	Yes
620625	SppObs	Mar 19 2013	Kara; Curtain	1	CC	III	Yes
621317	SppObs	Mar 19 2013	Kara; Curtain	1	CC	III	Yes
620080	SppObs	Mar 15 2013	Kara; Curtain	1	CC	III	Yes
620766	SppObs	Mar 15 2013	Kara; Curtain	1	CC	III	Yes
620081	SppObs	Mar 15 2013	Kara; Curtain	1	CC	III	Yes
620623	SppObs	Mar 12 2013	Kara; Curtain	1	CC	III	Yes
620079	SppObs	Mar 12 2013	Kara; Curtain	1	CC	III	Yes
621458	SppObs	Mar 12 2013	Kara; Curtain	1	CC	III	Yes
621460	SppObs	Mar 12 2013	Kara; Curtain	1	CC	III	Yes
619934	SppObs	Mar 12 2013	Kara; Curtain	1	CC	III	Yes
621315	SppObs	Mar 12 2013	Kara; Curtain	1	CC	III	Yes
621459	SppObs	Mar 12 2013	Kara; Curtain	1	CC	III	Yes
620765	SppObs	Mar 11 2013	Kara; Curtain	1	CC	III	Yes
606095	SppObs	Jun 4 2009	Alice; Millikin Tatiana; Galitzin Emily; Osborn	3	CC	III	Yes

65230	SppObs	Mar 18 2001	JOHN WHITE (PRINCIPLE PERMITTEE)	2	CC	III	Yes
67899	SppObs	Mar 18 2001	John White (principle permittee)	2	CC	III	Yes
58708	SppObs	Apr 25 1999	JOHN WHITE	5	CC	III	Yes
58709	SppObs	Apr 22 1999	JOHN WHITE	5	CC	III	Yes
58710	SppObs	Apr 14 1999	JOHN WHITE	5	CC	III	Yes
61364	SppObs	Jan 1 1990	A. Laemmerzahl	1	CC	III	Yes
63457	SppObs	Jan 1 1990	S. W. Gotte	1	CC	III	Yes
61239	SppObs	May 28 1987	A. Leammerzahl, J. McBreen, S. W. Gotte	1	CC	III	Yes
365017	SppObs	Jan 1 1900		3	CC	III	Yes

Displayed 52 Species Observations

Selected 1542 Observations [View 500 \(system constraint\) Species Observations](#)

Habitat Predicted for Aquatic WAP Tier I & II Species (9 Reaches)

[View Map Combined Reaches from Below of Habitat Predicted for WAP Tier I & II Aquatic Species](#)

Stream Name	Tier Species						View Map
	Highest TE*	BOVA Code, Status*, Tier**, Common & Scientific Name					
Accotink Creek (20700102)		010077		Ia	Shiner, bridle	Notropis bifrenatus	Yes
Accotink Creek (20700102)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes
Barnyard Run (20700102)		010077		Ia	Shiner, bridle	Notropis bifrenatus	Yes
Dogue Creek (20700102)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes
Holmes Run (20700102)		010077		Ia	Shiner, bridle	Notropis bifrenatus	Yes
Little Hunting Creek (20700102)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes
South Run (20700102)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes

tributary (20700102)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes
Unnamed trib. of Dogue Creek (20700102)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes

Habitat Predicted for Terrestrial WAP Tier I & II Species (3 Species)

[View Map of Combined Terrestrial Habitat Predicted for 3 WAP Tier I & II Species Listed Below](#)

ordered by Status Concern for Conservation

BOVA Code	Status*	Tier**	Common Name	Scientific Name	View Map
040105		Iib	Rail, king	Rallus elegans	Yes
040038			Bittern, American	Botaurus lentiginosus	Yes
040093			Eagle, bald	Haliaeetus leucocephalus	Yes

Virginia Breeding Bird Atlas Blocks (11 records)

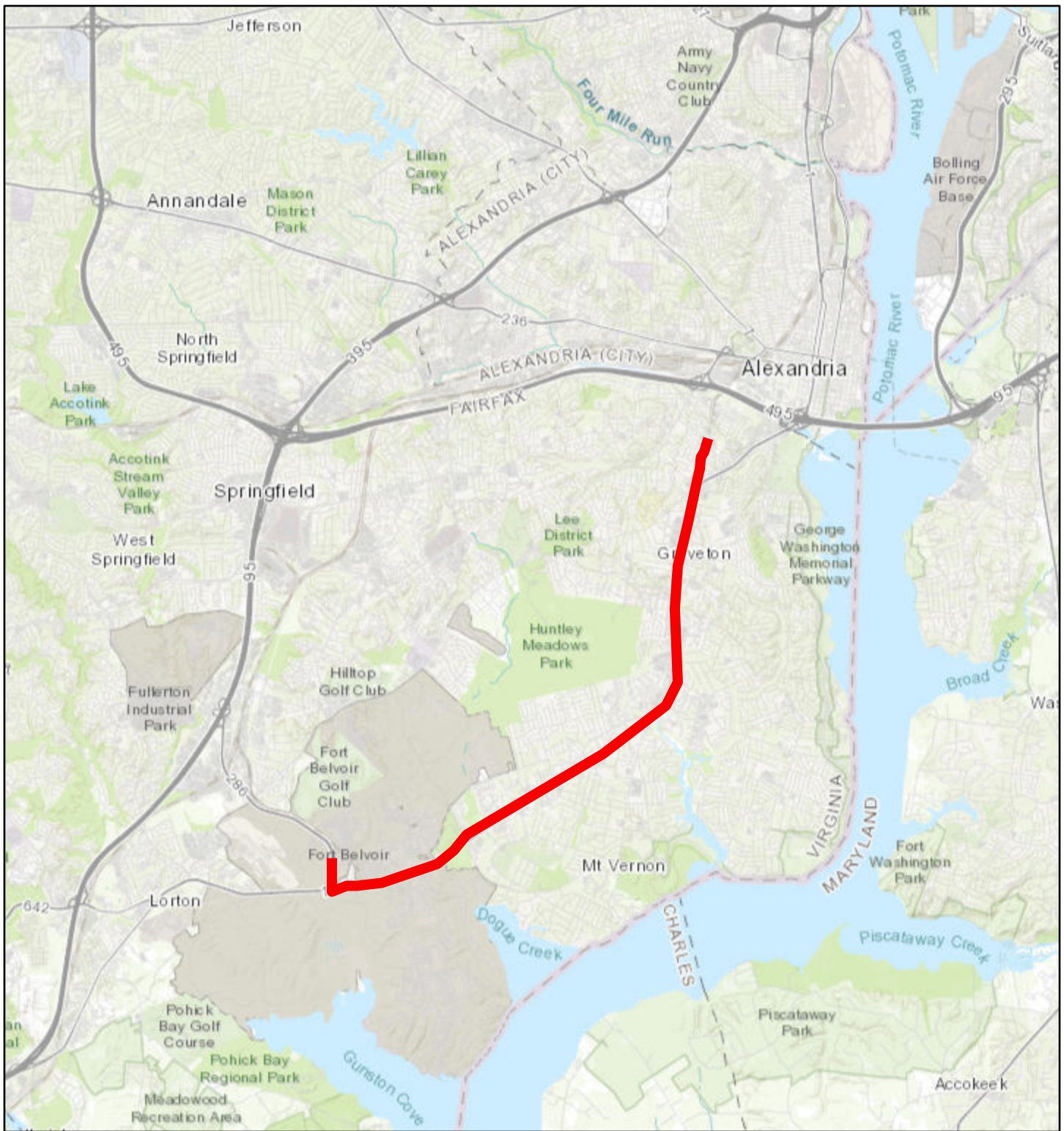
[View Map of All Query Results](#)
[Virginia Breeding Bird Atlas Blocks](#)

BBA ID	Atlas Quadrangle Block Name	Breeding Bird Atlas Species			View Map
		Different Species	Highest TE*	Highest Tier**	
54194	Alexandria, CE	49		II	Yes
54193	Alexandria, CW	27		IV	Yes
54196	Alexandria, SE	74		II	Yes
54195	Alexandria, SW	95		II	Yes
53196	Annandale, SE	73		III	Yes
53184	Fort Belvoir, CE	85		II	Yes
53183	Fort Belvoir, CW	37		III	Yes
53182	Fort Belvoir, NE	71		II	Yes
53181	Fort Belvoir, NW	43		III	Yes
54182	Mount Vernon, NE	66		II	Yes
54181	Mount Vernon, NW	57		III	Yes

Public Holdings: (4 names)

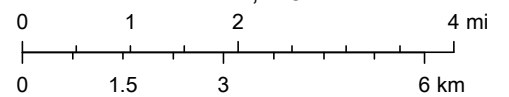
Name	Agency	Level
George Washington Memorial National Parkway	National Park Service	Federal
Fort Belvoir Military Reservation	U.S. Dept. of Army	Federal
Jackson Mile Abbott Wetland Refuge	U.S. Dept. of Army	Federal
George Washington Grist Mill State Park	VA Dept. of Conservation and Recreation	State

Little Brown Bat and Tri-colored Bat Winter Habitat & Roosts



10/8/2021, 3:32:56 PM

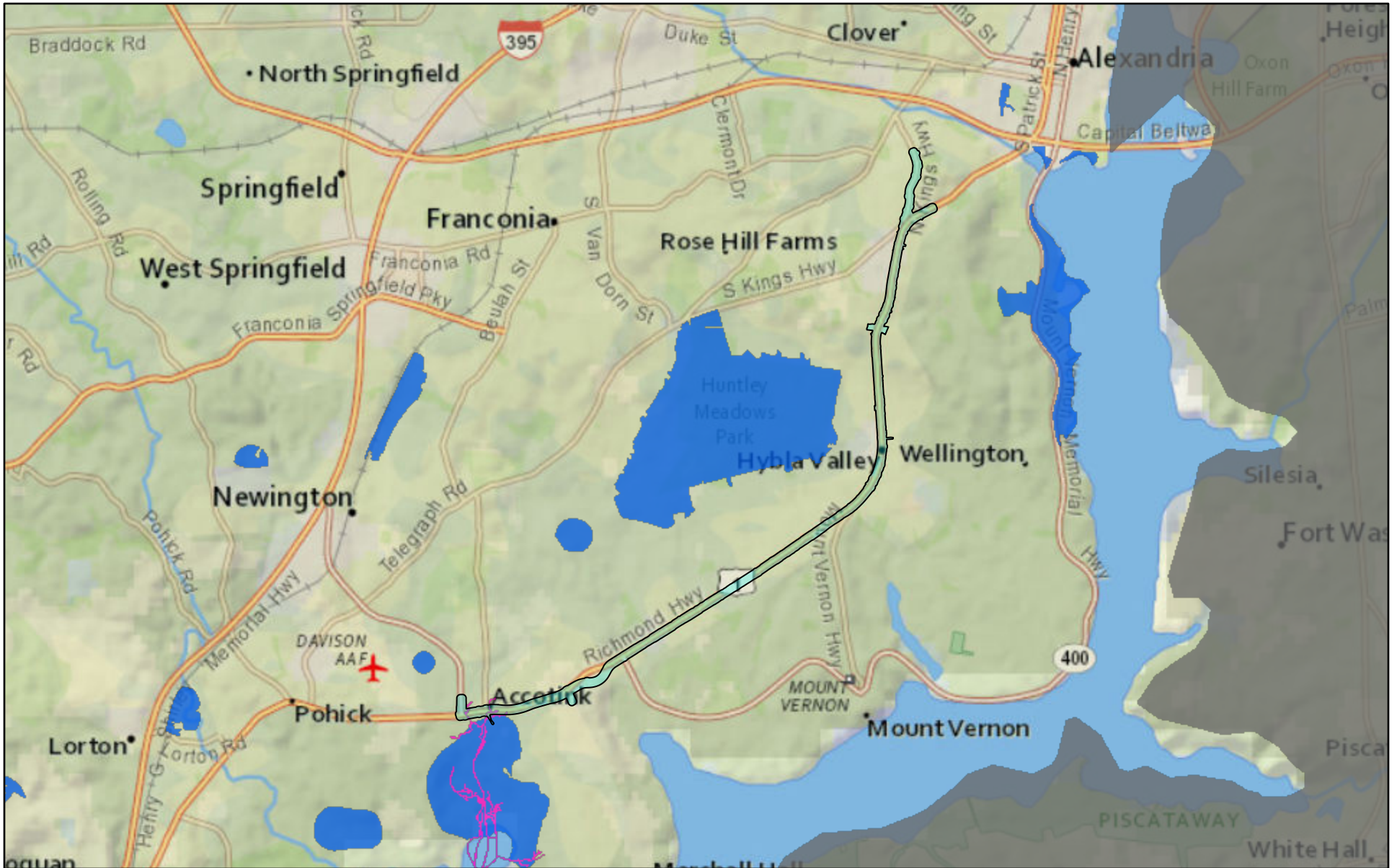
1:144,448



Fairfax County, VA, VITA, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS

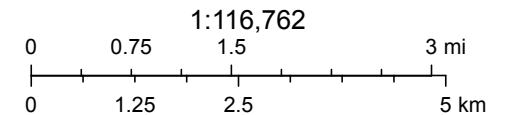
Dept. Game and Inland Fisheries
Fairfax County, VA, VITA, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS |

Documented NH Screening Layer



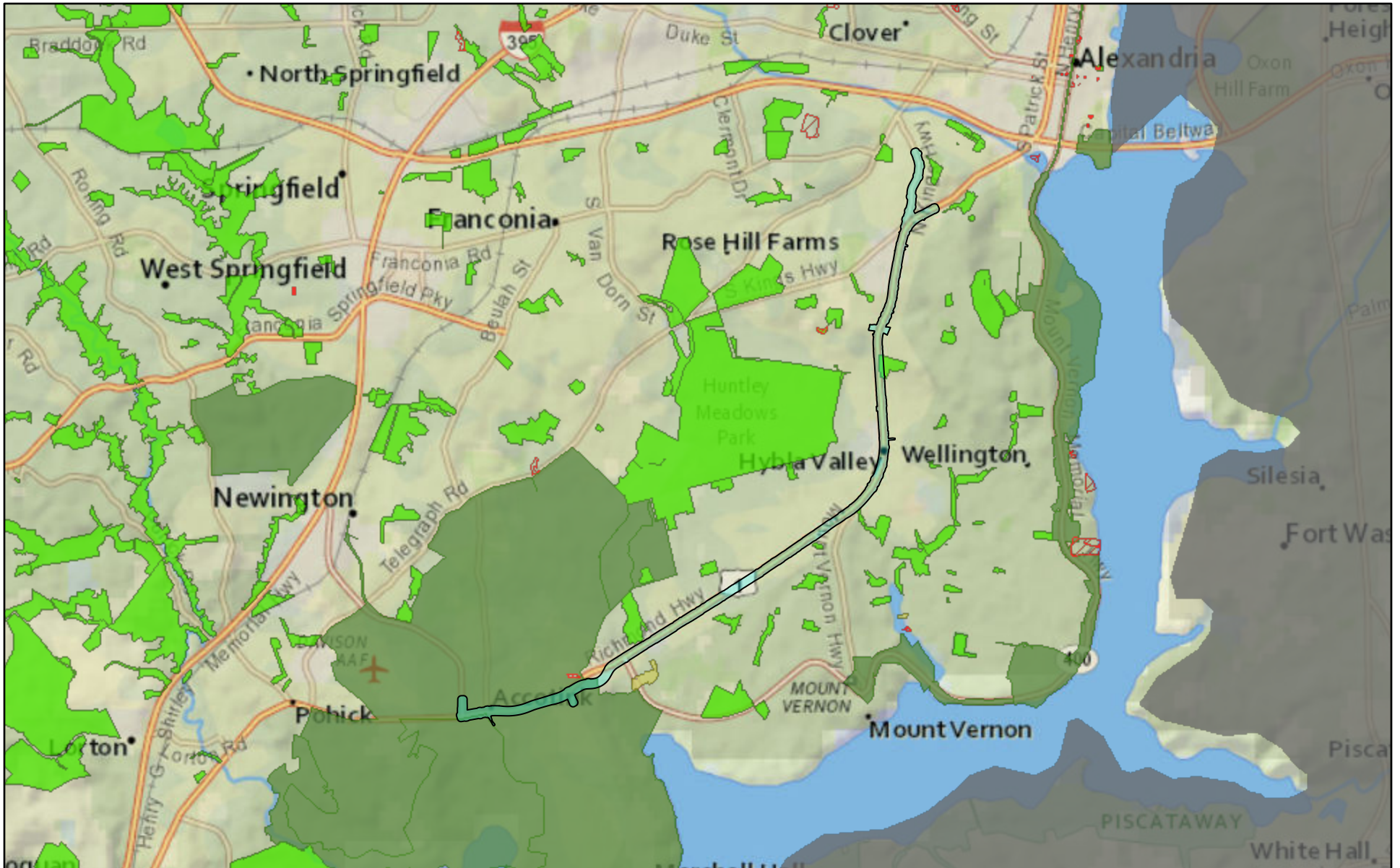
October 8, 2021

- Adjacent States
- NH Screening Layer
- Conservation Site
- SCU

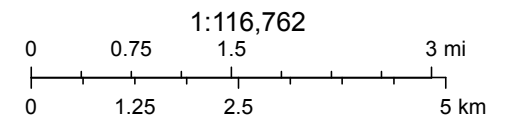
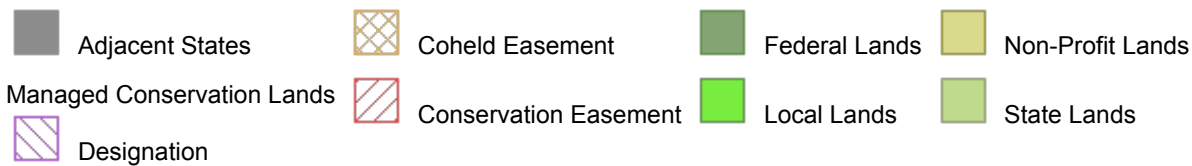


National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp.

Managed Conservation Lands



October 8, 2021

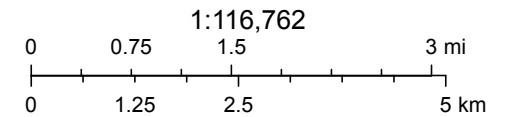
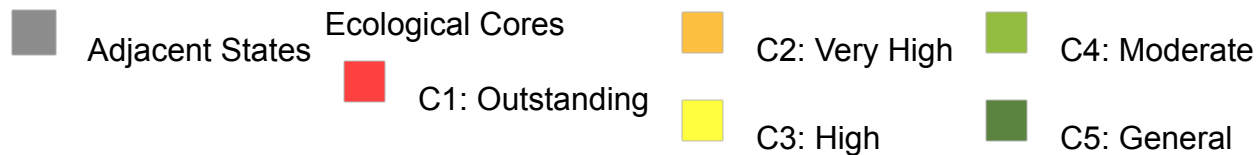


National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp.

Ecological Core Areas



October 8, 2021



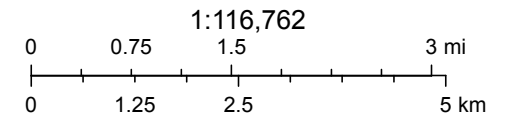
National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp.

Natural Land Network



October 8, 2021

- Adjacent States
- Natural Land Network



Virginia Department of Conservation and Recreation, National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN,