

APPENDIX D  
**THREATENED AND ENDANGERED SPECIES RESEARCH INFORMATION**



## 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:

April 06, 2017

Consultation Code: 05E2VA00-2017-SLI-2418

Event Code: 05E2VA00-2017-E-04517

Project Name: Wright's Run - Home Depot Expansion

Subject: List of threatened and endangered species that may occur in your proposed project location, and/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](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

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## Project Summary

Consultation Code: 05E2VA00-2017-SLI-2418

Event Code: 05E2VA00-2017-E-04517

Project Name: Wright's Run - Home Depot Expansion

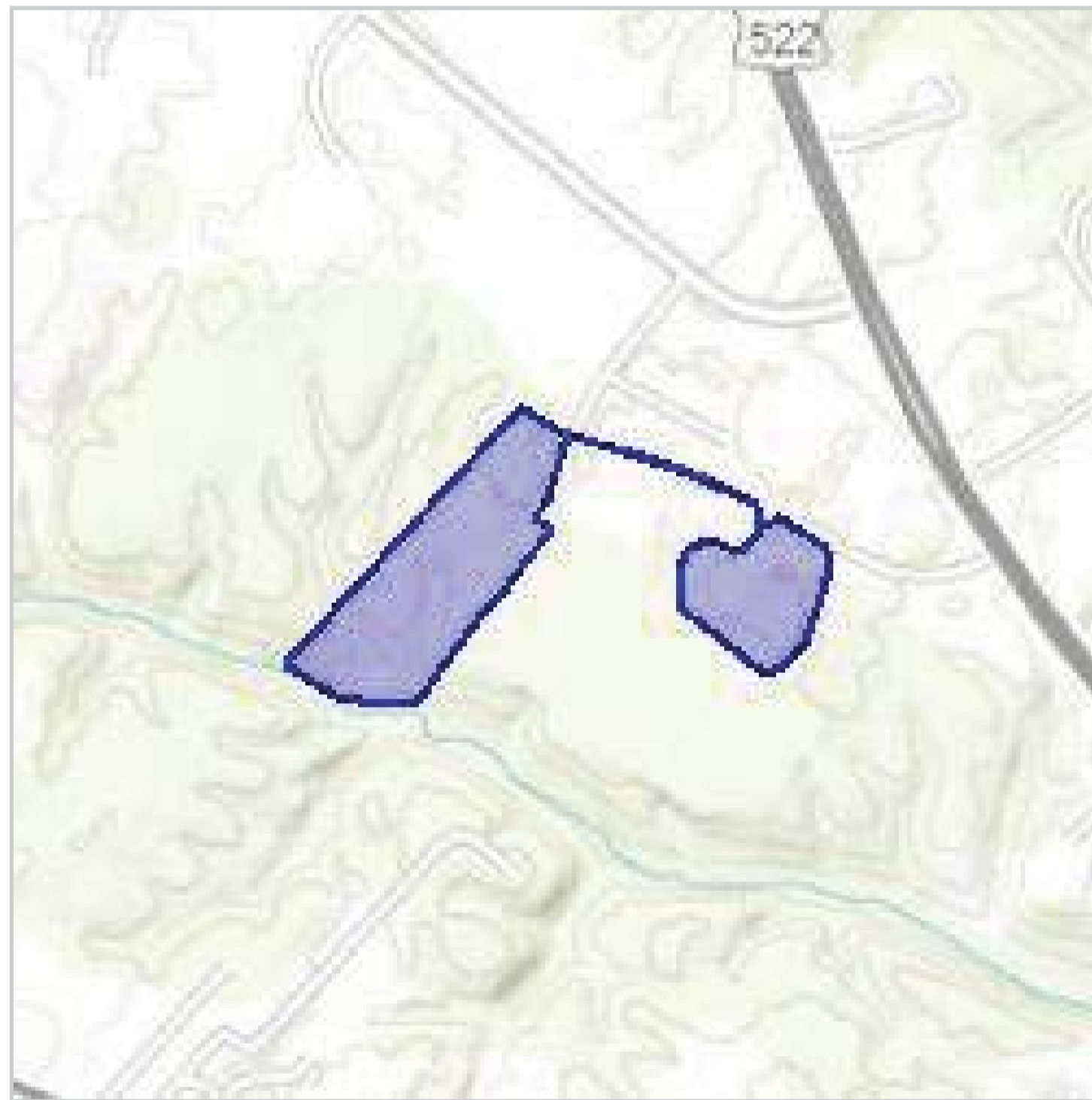
Project Type: DEVELOPMENT

Project Description: The proposed project includes the expansion of an existing Home Depot Warehouse facility on a +/- 30.5-acre project site situated along Wrights Run in Frederick County, Virginia. The goal of the project is to increase storage and inventory space for materials, trucks, and trailers at this central location within the Home Depot shipping network and improve efficiency and reduce costs. The proposed project will result in impacts to jurisdictional waters of the U.S.

Project Location:

Approximate location of the project can be viewed in Google Maps:

<https://www.google.com/maps/place/39.08183757745083N78.15097348275343W>



Counties: Frederick, VA

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## Endangered Species Act Species

There is a total of 3 threatened, endangered, or candidate species on your 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. See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area. Please contact the designated FWS office if you have questions.

### Mammals

NAME	STATUS
Indiana Bat ( <i>Myotis sodalis</i> ) No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/5949">https://ecos.fws.gov/ecp/species/5949</a>	Endangered
Northern Long-eared Bat ( <i>Myotis septentrionalis</i> ) No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9045">https://ecos.fws.gov/ecp/species/9045</a>	Threatened

### Flowering Plants

NAME	STATUS
Harperella ( <i>Ptilimnium nodosum</i> ) No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/3739">https://ecos.fws.gov/ecp/species/3739</a>	Endangered

### Critical habitats

There are no critical habitats within your project area.

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## **USFWS National Wildlife Refuges And Fish Hatcheries**

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.

There are no refuges or fish hatcheries within your project area.

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### VaFWIS - Department of Game and Inland Fisheries

39,04,57.0 -78,09,12.0  
is the Search Point

#### Search Point

- Change to "clicked" map point
- Fixed at 39,04,57.0 -78,09,12.0

#### Show Position Rings

- Yes  No

1 mile and 1/4 mile at the Search Point

#### Show Search Area

- Yes  No

2 Search distance miles radius

Search Point is at map center

#### Base Map [Choices](#)


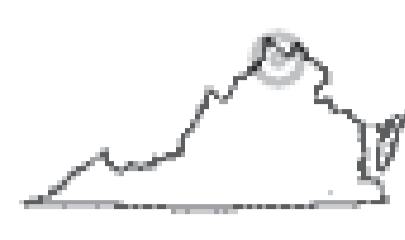
Topography ▼

#### Map Overlay [Choices](#)

Current List: Position, Search

#### Map Overlay Legend

-  **Position Rings**  
1 mile and 1/4 mile at the Search Point
-  **2 mile radius Search Area**

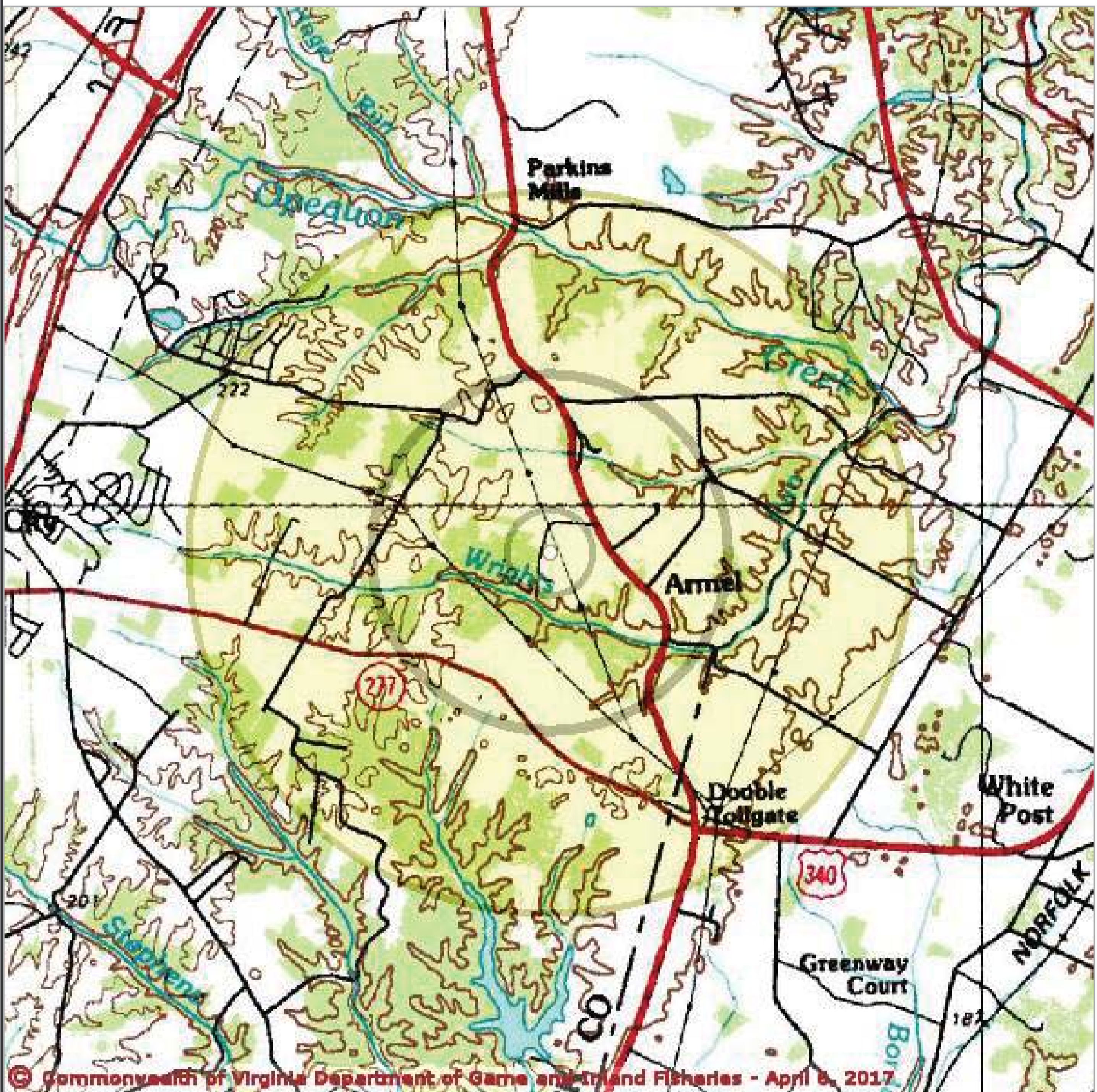
[Refresh Browser Page](#)

Map Click Pan Id M

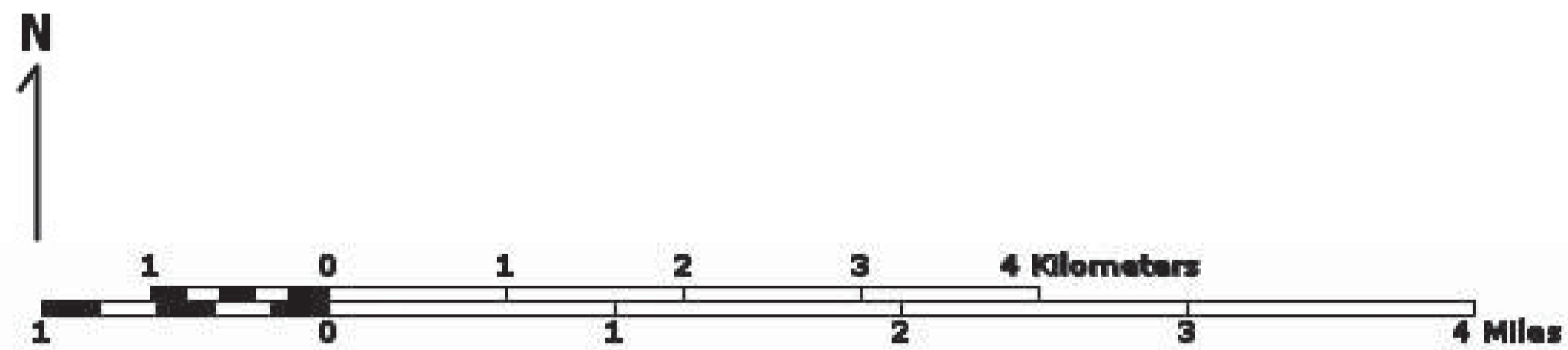
Map Scale In Zoom Out

Screen Size Small Size Big

[Help](#)



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Point of Search 39,04,57.0 -78,09,12.0

Map Location 39,04,57.0 -78,09,12.0

- 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 1:100,000 topographic maps (see [Microsoft terraserver-usa.com](http://Microsoft terraserver-usa.com) for details)

Map projection is UTM Zone 17 NAD 1983 with left 741432 and top 4334590. Pixel size is 16 meters . Coordinates displayed are Degrees, Minutes, Seconds North and West. Map is currently displayed as 600 columns by 600 rows for a total of 360000 pixles. The map display represents 9600 meters east to west by 9600 meters north to south for a total of 92.1 square kilometers. The



**VaFWIS Search Report** Compiled on 4/6/2017, 10:01:19 AM[Help](#)

Known or likely to occur within a **2 mile radius around point 39,04,57.0 -78,09,12.0**  
in **043 Clarke County, 069 Frederick County, VA**

[View Map of Site Location](#)

490 Known or Likely Species ordered by Status Concern for Conservation  
(displaying first 24) (24 species with Status\* or Tier I\*\* or Tier II\*\* )

<a href="#">BOVA Code</a>	<a href="#">Status*</a>	<a href="#">Tier**</a>	<a href="#">Common Name</a>	<a href="#">Scientific Name</a>	<a href="#">Confirmed</a>	<a href="#">Database(s)</a>
050022	FTST	Ia	<a href="#">Bat, northern long-eared</a>	Myotis septentrionalis		BOVA
070001	FTST	IIc	<a href="#">Isopod, Madison Cave</a>	Antrolana lira		BOVA,HU6
050020	SE	Ia	<a href="#">Bat, little brown</a>	Myotis lucifugus lucifugus		BOVA
050027	SE	Ia	<a href="#">Bat, tri-colored</a>	Perimyotis subflavus		BOVA
060006	SE	Ib	<a href="#">Floater, brook</a>	Alasmidonta varicosa		HU6
040267	SE		<a href="#">Wren, Bewick's</a>	Thryomanes bewickii		BOVA
030062	ST	Ia	<a href="#">Turtle, wood</a>	Glyptemys insculpta	<a href="#">Yes</a>	BOVA,TEWaters,Habitat,HU6
040096	ST	Ia	<a href="#">Falcon, peregrine</a>	Falco peregrinus		BOVA
040293	ST	Ia	<a href="#">Shrike, loggerhead</a>	Lanius ludovicianus		BOVA,HU6
100155	ST	Ia	<a href="#">Skipper, Appalachian grizzled</a>	Pyrgus wyandot		BOVA,HU6
040292	ST		<a href="#">Shrike, migrant loggerhead</a>	Lanius ludovicianus migrans		BOVA
030063	CC	IIIa	<a href="#">Turtle, spotted</a>	Clemmys guttata		BOVA
030012	CC	IVa	<a href="#">Rattlesnake, timber</a>	Crotalus horridus		BOVA,HU6
040092		Ia	<a href="#">Eagle, golden</a>	Aquila chrysaetos		BOVA
040306		Ia	<a href="#">Warbler, golden-winged</a>	Vermivora chrysoptera		BOVA,HU6
050024		Ia	<a href="#">Myotis, eastern small-footed</a>	Myotis leibii		BOVA
100248		Ia	<a href="#">Fritillary, regal</a>	Speyeria idalia idalia		BOVA,HU6

040213		Ic	<a href="#">Owl, northern saw-whet</a>	Aegolius acadicus		BOVA,HU6
040052		IIa	<a href="#">Duck, American black</a>	Anas rubripes		BOVA,HU6
040320		IIa	<a href="#">Warbler, cerulean</a>	Setophaga cerulea		BOVA,HU6
040140		IIa	<a href="#">Woodcock, American</a>	Scolopax minor		BOVA,HU6
040203		IIb	<a href="#">Cuckoo, black-billed</a>	Coccyzus erythrophthalmus		BOVA
040105		IIb	<a href="#">Rail, king</a>	Rallus elegans		BOVA
100256		IIc	<a href="#">Crescent, tawny</a>	Phyciodes batesii batesii		BOVA,HU6

To view **All 490 species** [View 490](#)

\*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

N/A

### Impediments to Fish Passage ( 1 records )

[View Map of All Fish Impediments](#)

ID	Name	River	View Map
1145	<a href="#">STEPHENS PARK DAM</a>	TR-CROOKED RUN	<a href="#">Yes</a>

### Colonial Water Bird Survey

N/A

### Threatened and Endangered Waters ( 5 Reaches )

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

Stream Name	T&E Waters Species	View

	Highest TE*	BOVA Code, Status*, Tier**, Common & Scientific Name					Map
<a href="#">Opequon Creek (0360168)</a>	ST	030062	ST	Ia	<a href="#">Turtle, wood</a>	Glyptemys insculpta	<a href="#">Yes</a>
<a href="#">Opequon Creek (0362220)</a>	ST	030062	ST	Ia	<a href="#">Turtle, wood</a>	Glyptemys insculpta	<a href="#">Yes</a>
<a href="#">Opequon Creek (0374535)</a>	ST	030062	ST	Ia	<a href="#">Turtle, wood</a>	Glyptemys insculpta	<a href="#">Yes</a>
<a href="#">Opequon Creek (0376424)</a>	ST	030062	ST	Ia	<a href="#">Turtle, wood</a>	Glyptemys insculpta	<a href="#">Yes</a>

To view **All 5 Threatened and Endangered Waters records** [View 5](#)

### Managed Trout Streams

N/A

### Bald Eagle Concentration Areas and Roosts

N/A

### Bald Eagle Nests

N/A

### Species Observations (3 records)

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

obsID	class	Date Observed	Observer	N Species			View Map
				Different Species	Highest TE*	Highest Tier**	
<a href="#">615952</a>	SppObs	Aug 23 2012	Roger; Thoma	2		IV	<a href="#">Yes</a>
<a href="#">67736</a>	SppObs	Mar 27 1999	WERNER WIELAND (PRINICPLE PERMITTEE), MARY WASHINGTON COLLEGE DEPT BIOLOGY	15			<a href="#">Yes</a>
<a href="#">27150</a>	SppObs	Jan 1 1900	Mitchell, J. C.	1			<a href="#">Yes</a>

Displayed 3 Species Observations

### Habitat Predicted for Aquatic WAP Tier I & II Species (5 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					
Crooked Run (20700071)	ST	030062	ST	Ia	<a href="#">Turtle, wood</a>	Glyptemys insculpta	<a href="#">Yes</a>
Opequon Creek (20700041)	ST	030062	ST	Ia	<a href="#">Turtle, wood</a>	Glyptemys insculpta	<a href="#">Yes</a>
tributary (20700041)	ST	030062	ST	Ia	<a href="#">Turtle, wood</a>	Glyptemys insculpta	<a href="#">Yes</a>
tributary (20700071)	ST	030062	ST	Ia	<a href="#">Turtle, wood</a>	Glyptemys insculpta	<a href="#">Yes</a>
Wrights Run (20700041)	ST	030062	ST	Ia	<a href="#">Turtle, wood</a>	Glyptemys insculpta	<a href="#">Yes</a>

### Habitat Predicted for Terrestrial WAP Tier I & II Species

N/A

### Virginia Breeding Bird Atlas Blocks (6 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**	
46213	<a href="#">Boyce, CW</a>	51		III	<a href="#">Yes</a>
46211	<a href="#">Boyce, NW</a>	18		IV	<a href="#">Yes</a>
45214	<a href="#">Stephens City, CE</a>	14		IV	<a href="#">Yes</a>
45213	<a href="#">Stephens City, CW</a>	45		III	<a href="#">Yes</a>
45212	<a href="#">Stephens City, NE</a>	11		III	<a href="#">Yes</a>
45211	<a href="#">Stephens City, NW</a>	23		III	<a href="#">Yes</a>

### Public Holdings:

N/A

### Summary of BOVA Species Associated with Cities and Counties of the Commonwealth of Virginia:

FIPS Code	City and County Name	Different Species	Highest TE	Highest Tier
043	<a href="#">Clarke</a>	412	FTSE	I
069	<a href="#">Frederick</a>	416	FTSE	I

### USGS 7.5' Quadrangles:

Stephens City

Boyce

**USGS NRCS Watersheds in Virginia:**

N/A

**USGS National 6th Order Watersheds Summary of Wildlife Action Plan Tier I, II, III, and IV Species:**

HU6 Code	USGS 6th Order Hydrologic Unit	Different Species	Highest TE	Highest Tier
PS79	<a href="#">Crooked Run</a>	58	FTST	I
PS81	<a href="#">Shenandoah River-Borden Marsh Run</a>	60	FTSE	I
PU16	<a href="#">Opequon Creek-Sulphur Spring Run</a>	59	ST	I

Compiled on 4/6/2017, 10:01:19 AM 1816926.0 report=all searchType= R dist= 3218 poi= 39,04,57.0 -78,09,12.0

PixelSize=64; Anadromous=0.014568; BBA=0.080671; BECAR=0.01336; Bats=0.013278; Buffer=0.121544; County=0.059702; HU6=0.068306; Impediments=0.031738; Init=0.204138; PublicLands=0.015792; Quad=0.056286; SppObs=0.232857; TEWaters=0.047357; TierReaches=0.067055; TierTerrestrial=0.029742; Total=1.14318; Tracking\_BOVA=0.152976; Trout=0.016082; huva=0.026453

### Threatened and Endangered Waters where Turtle, wood (030062) observed

39,04,57.0 -78,09,12.0 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 radius

Search Point is at map center

#### Base Map Choices

Topography

#### Map Overlay Choices

Current List: Position, Search, TEWaters

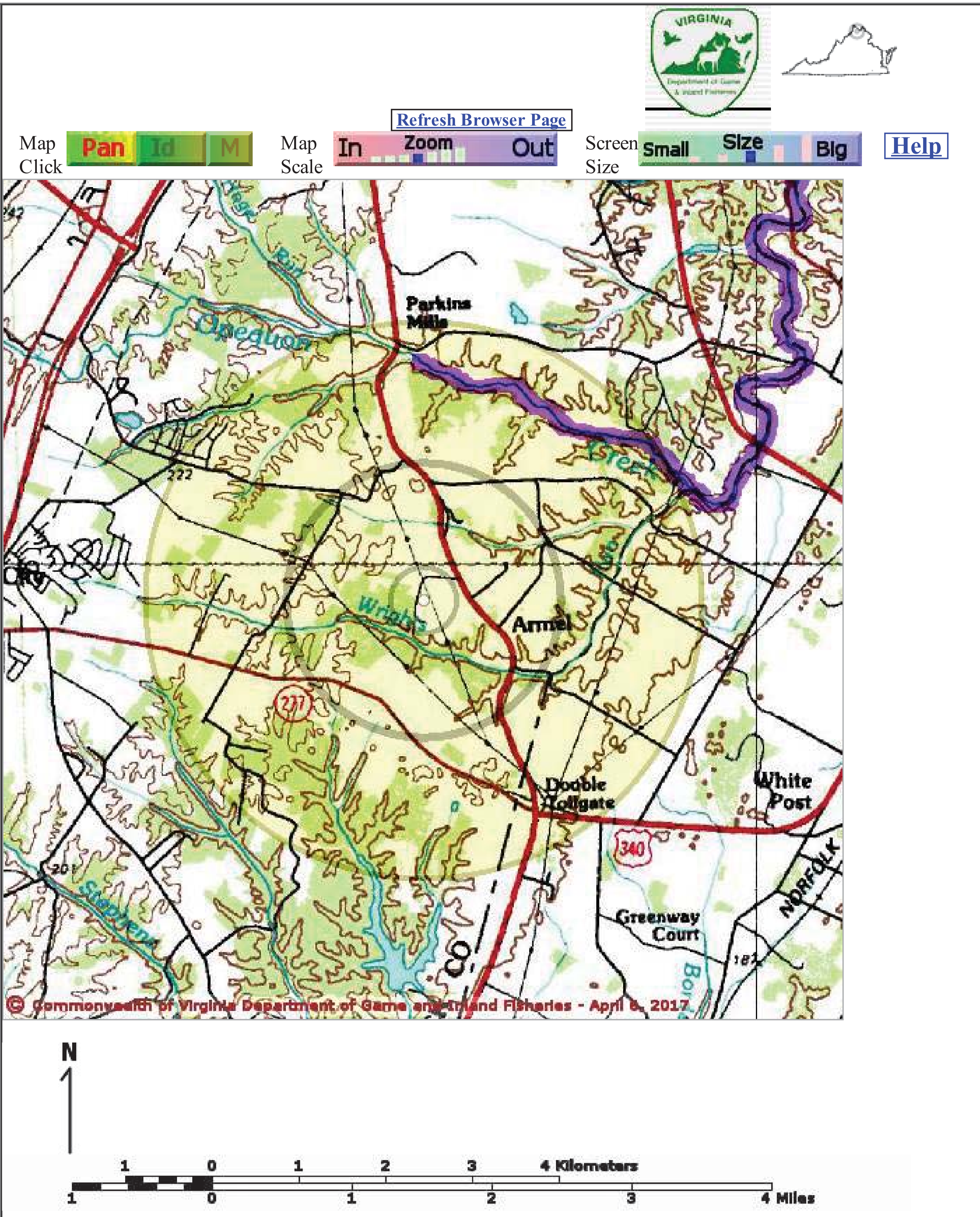
#### Map Overlay Legend

##### T & E Waters

-  Federal
-  State

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

 2 mile radius Search Area



Point of Search 39,04,57.0 -78,09,12.0

Map Location 39,04,57.0 -78,09,12.0

- 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 1:100,000 topographic maps (see [Microsoft terraserver-usa.com](http://Microsoft terraserver-usa.com) for details)

Map projection is UTM Zone 17 NAD 1983 with left 741432 and top 4334590. Pixel size is 16 meters. 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 9600 meters east to west by 9600 meters north to south for a total of 92.1 square kilometers. The

## Natural Heritage Resources

### Your Criteria

Watershed (8 digit HUC): 02070004 - Conococheague-Opequon

Subwatershed (12 digit HUC): PU16 - (Upper) Opequon Creek-Sulphur Spring Run

Search Run: 4/6/2017 9:35:49 AM

### Result Summary

Total Species returned: 2

Total Communities returned: 0

Click scientific names below to go to NatureServe report.

Click column headings for an explanation of species and community ranks.

Common Name/Natural Community	Scientific Name	<a href="#">Global Conservation Status Rank</a>	<a href="#">State Conservation Status Rank</a>	<a href="#">Federal Legal Status</a>	<a href="#">State Legal Status</a>	Statewide Occurrences	Virginia Coastal Zone
<b>Conococheague-Opequon</b> (Upper) Opequon Creek-Sulphur Spring Run BIVALVIA (MUSSELS)	Green Floater	G3	S2	None	LT	64	N
	<a href="#">Lasmigona subviridis</a>						
REPTILES							
Wood Turtle	<a href="#">Glyptemys</a>	G3	S2	None	LT	45	N

[Common Name/Natural Community](#)   [Scientific Name](#)   [Global Conservation Status Rank](#)   [State Conservation Status Rank](#)   [Federal Legal Status](#)   [State Legal Status](#)   [Statewide Occurrences](#)   [Virginia Coastal Zone](#)  
[insculpta](#)

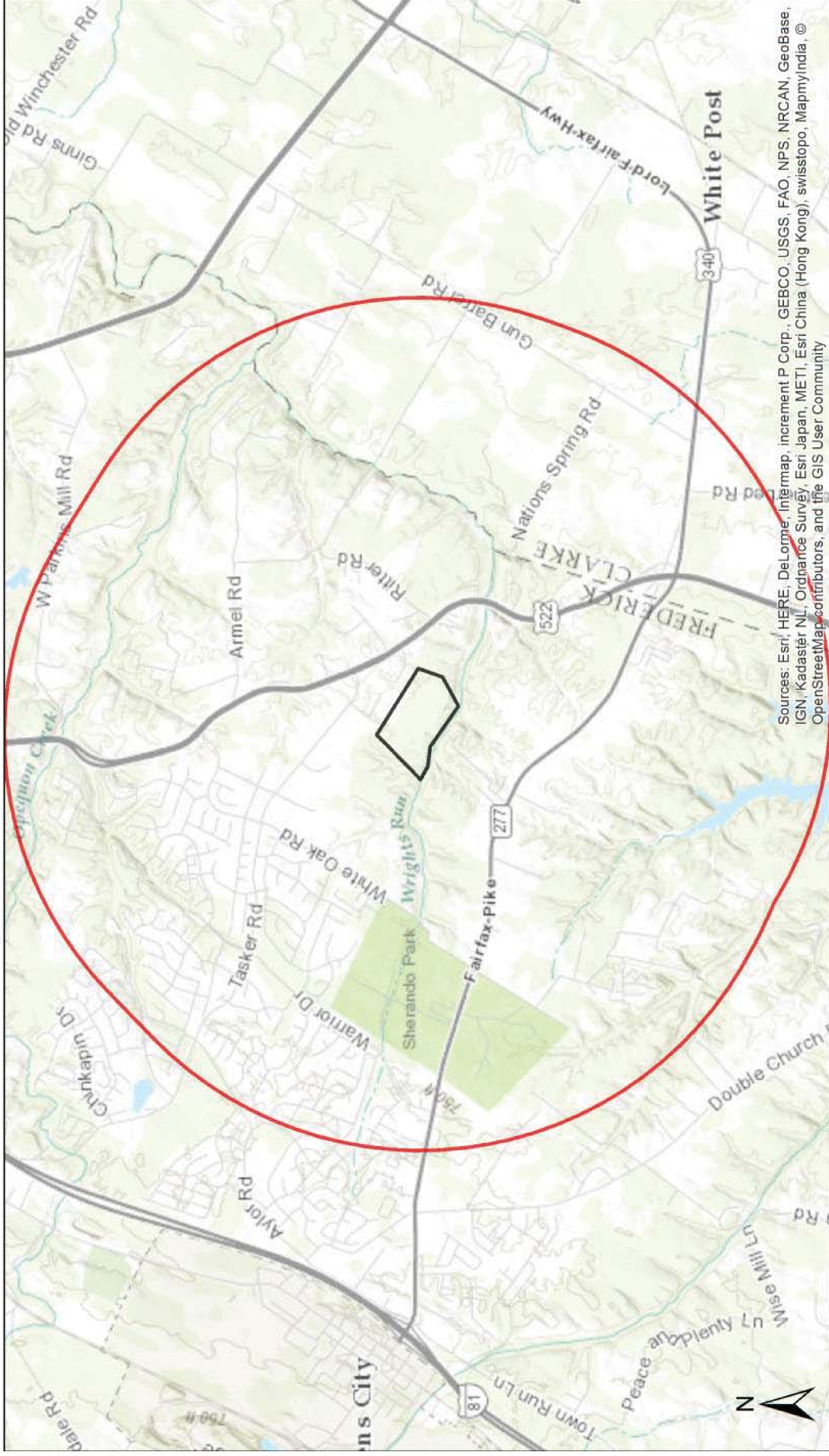
**Note: On-line queries provide basic information from DCR's databases at the time of the request. They are NOT to be substituted for a project review or for on-site surveys required for environmental assessments of specific project areas.**

**For Additional Information** on locations of Natural Heritage Resources please submit an [information request](#).

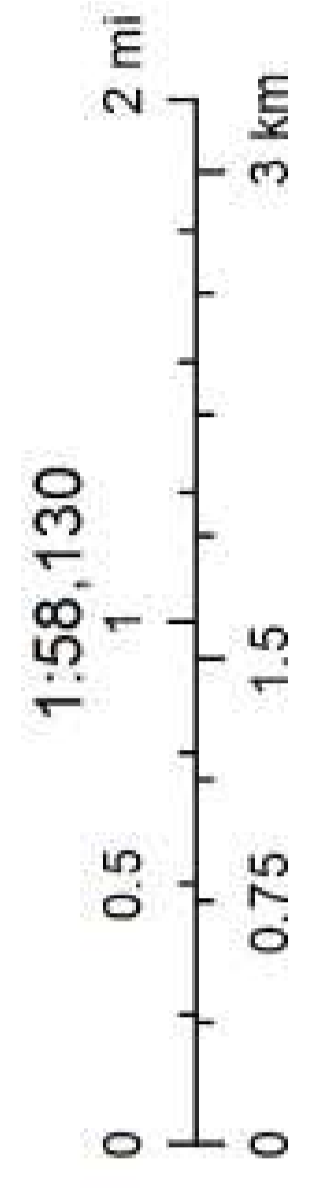
**To Contribute information** on locations of natural heritage resources, please fill out and submit a [rare species sighting form](#).



# Wrights Run Home Depot Expansion

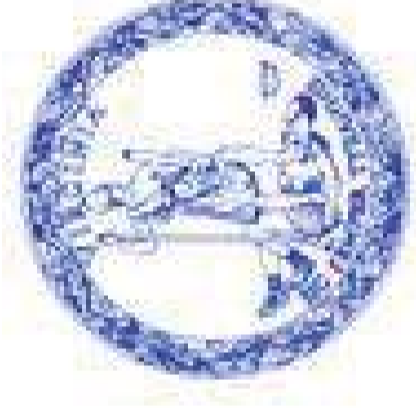


- Project Area
- Buffered Project Area
- Conservation Site
- GLNHR
- NH Screening Features
- SCU



Quads: Stephens City  
 Counties: Frederick

Company: Angler Environmental  
 Lat/Long: 390449 / -780914



**COMMONWEALTH of VIRGINIA**  
**DEPARTMENT OF CONSERVATION AND RECREATION**

The project mapped as part of this report has been searched against the Department of Conservation and Recreation's Biotics Data System for occurrences of natural heritage resources in the vicinity of the area indicated for this project. Natural heritage resources are defined as the habitat of rare, threatened, or endangered plant and animal species, unique or exemplary natural communities, and significant geologic formations.

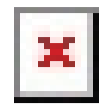
According to the information currently in Biotics, natural heritage resources have not been documented within two miles of the identified project boundaries. In addition, the project area does not intersect any of the predictive models identifying potential habitat for natural heritage resources.

Under a Memorandum of Agreement established between the Virginia Department of Agriculture and Consumer Services (VDACS) and the Virginia Department of Conservation and Recreation (DCR), DCR represents VDACS in comments regarding potential impacts on state-listed threatened and endangered plant and insect species. The current activity will not affect any documented state-listed plants or insects.

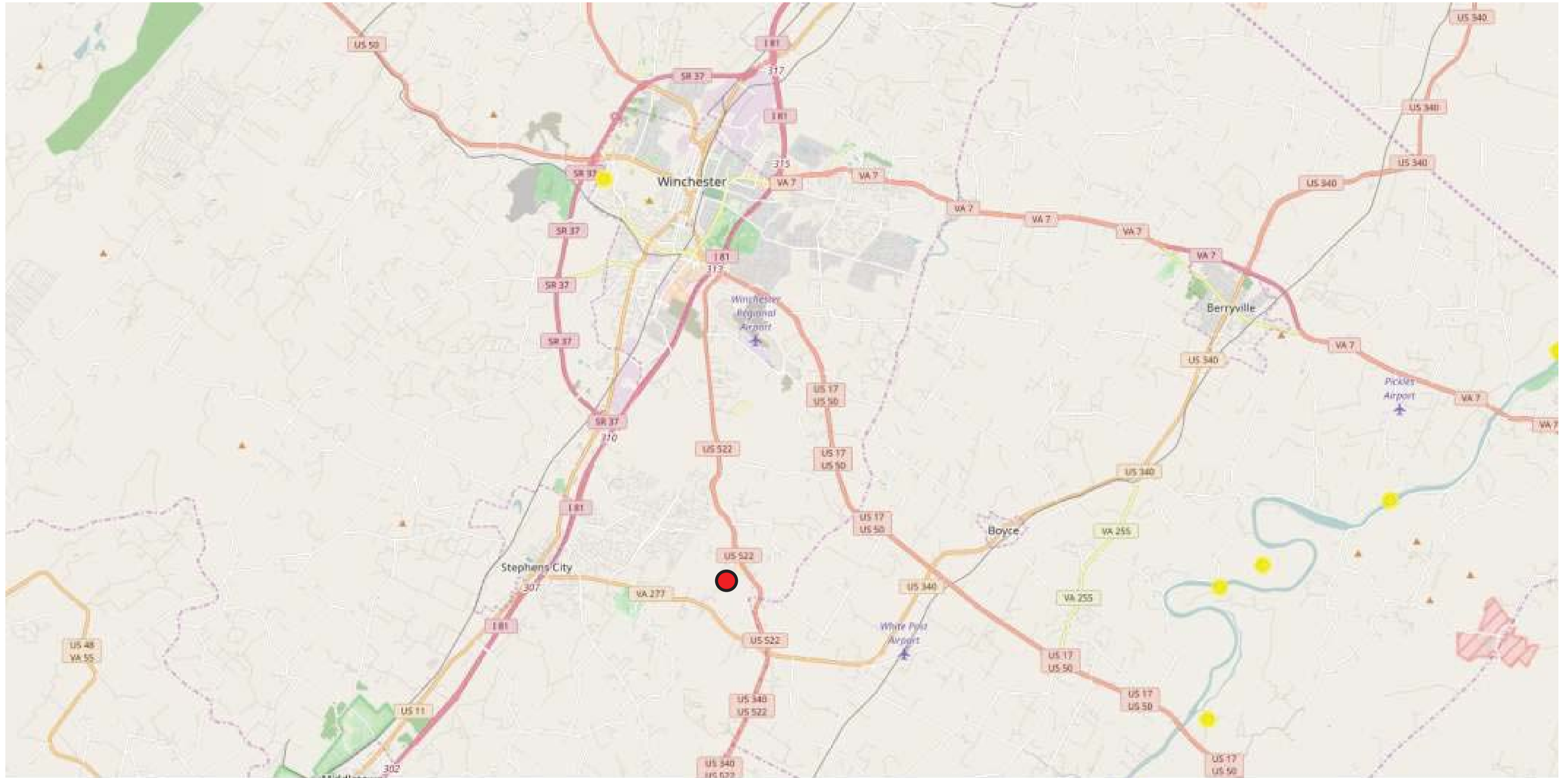
Any absence of data may indicate that the project area has not been surveyed, rather than confirm that the area lacks additional natural heritage resources. New and updated information is continually added to Biotics. Please revisit this website or contact DCR for an update on this natural heritage information if a significant amount of time passes (DCR recommends no more than one year) before it is utilized.

The Virginia Department of Game and Inland Fisheries maintains a database of wildlife locations, including threatened and endangered species, trout streams, and anadromous fish waters, that may contain information not documented in the Natural Heritage Data Explorer. Their database may be accessed from <http://vafwis.org/fwis/> or contact Gladys Cason (804-367-0909 or Gladys.Cason@dgif.virginia.gov).

Thank you for submitting your project to the Virginia Department of Conservation and Recreation's Natural Heritage Data Explorer Web Service. Should you have any questions or concerns about this report, the Data Explorer, or other Virginia Natural Heritage Program services, please contact the Natural Heritage Project Review Unit at 804-371-2708.



# CCB Mapping Portal



 : Project site location

**Layers:** VA Eagle Nest Locator, VA Eagle Nest Buffers

**Map Center [longitude, latitude]:** [-78.13819885253906, 39.12513313586905]

**Map Link:**

[http://www.ccbbirds.org/maps/#layer=VA+Eagle+Nest+Locator&layer=VA+Eagle+Nest+Buffers&zoom=12&lat=39.12513313586905&lng=-78.13819885253906&legend=legend\\_tab\\_7c321b7e-e523-11e4-aa0-0e0c41326911&base=Street+Map+%28OSM%29](http://www.ccbbirds.org/maps/#layer=VA+Eagle+Nest+Locator&layer=VA+Eagle+Nest+Buffers&zoom=12&lat=39.12513313586905&lng=-78.13819885253906&legend=legend_tab_7c321b7e-e523-11e4-aa0-0e0c41326911&base=Street+Map+%28OSM%29)

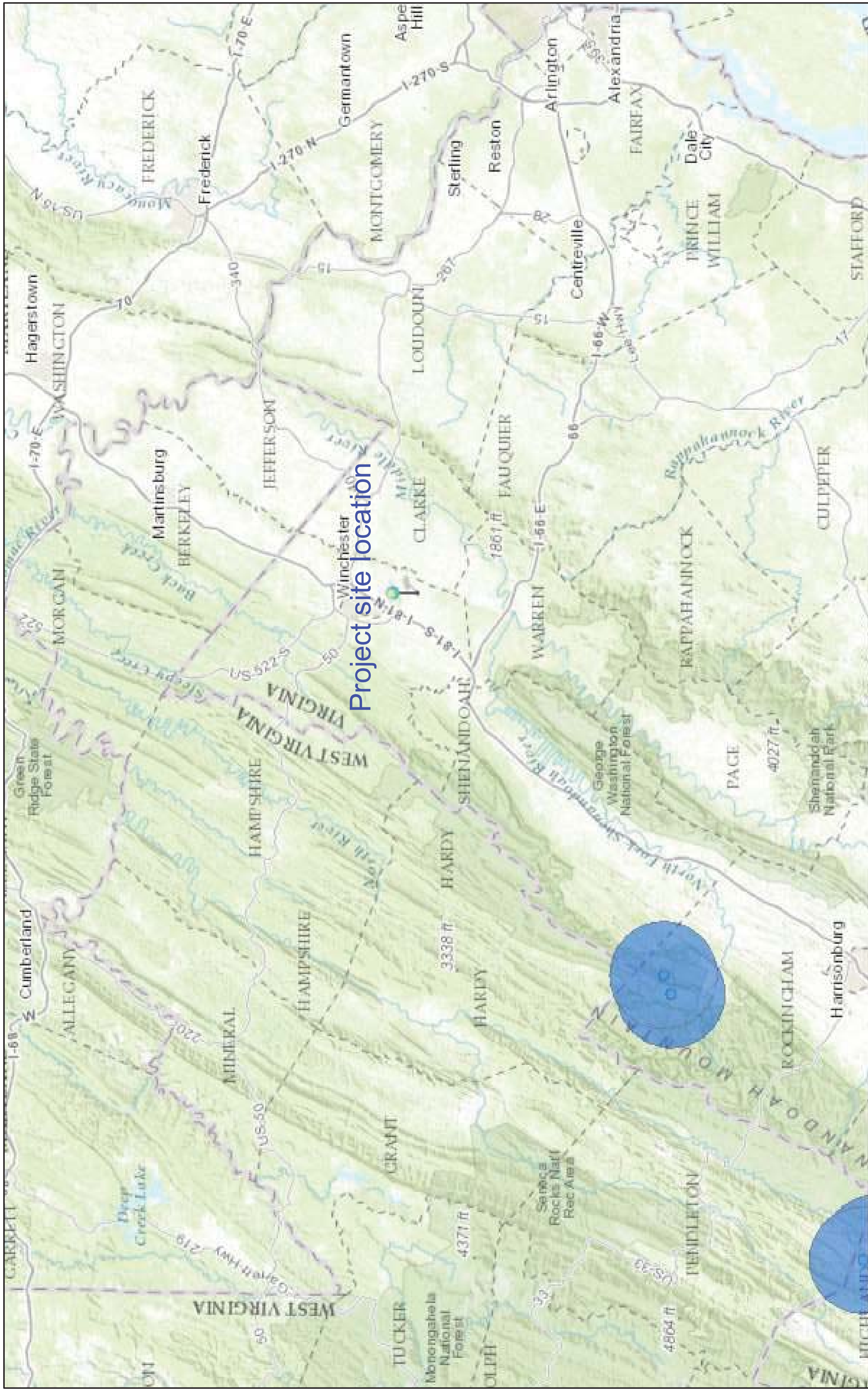
**Report Generated On:** 04/06/2017

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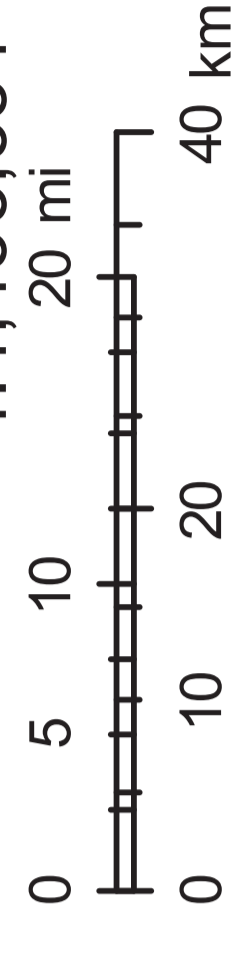
# NLEB Locations and Roost Trees



April 6, 2017

1:1,155,581

- NLEB Hibernaculum 5.5 Mile Buffer
- NLEB Hibernaculum Half Mile Buffer



Sources: Esri, HERE, DeLorme, Intermap, increment P. Corp., GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey,