

Appendix A

U.S. Fish Wildlife Service

Official Species List



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Virginia Ecological Services Field Office
6669 SHORT LANE
GLOUCESTER, VA 23061
PHONE: (804)693-6694 FAX: (804)693-9032
URL: www.fws.gov/northeast/virginiafield/

Consultation Code: 05E2VA00-2017-SLI-2087

March 14, 2017

Event Code: 05E2VA00-2017-E-03784

Project Name: Richmond Highway Corridor Improvement

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). 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



United States Department of Interior
Fish and Wildlife Service

Project name: Richmond Highway Corridor Improvement

Official Species List

Provided by:

Virginia Ecological Services Field Office

6669 SHORT LANE

GLOUCESTER, VA 23061

(804) 693-6694

<http://www.fws.gov/northeast/virginiafield/>

Consultation Code: 05E2VA00-2017-SLI-2087

Event Code: 05E2VA00-2017-E-03784

Project Type: TRANSPORTATION

Project Name: Richmond Highway Corridor Improvement

Project Description: The intent is to widen Richmond Highway from a four-lane undivided roadway to a divided six-lane facility with bicycle and pedestrian accommodations, and a wide median to accommodate future Bus Rapid Transit (BRT). Project between Jeff Todd Way and Napper Road. Improvements are proposed for an approximate 2.9-mile section of Richmond Highway between Route 235 (Mount Vernon Memorial Highway – South) to 0.07 miles north of Route 235 (Mount Vernon Highway – North) at Napper Road.

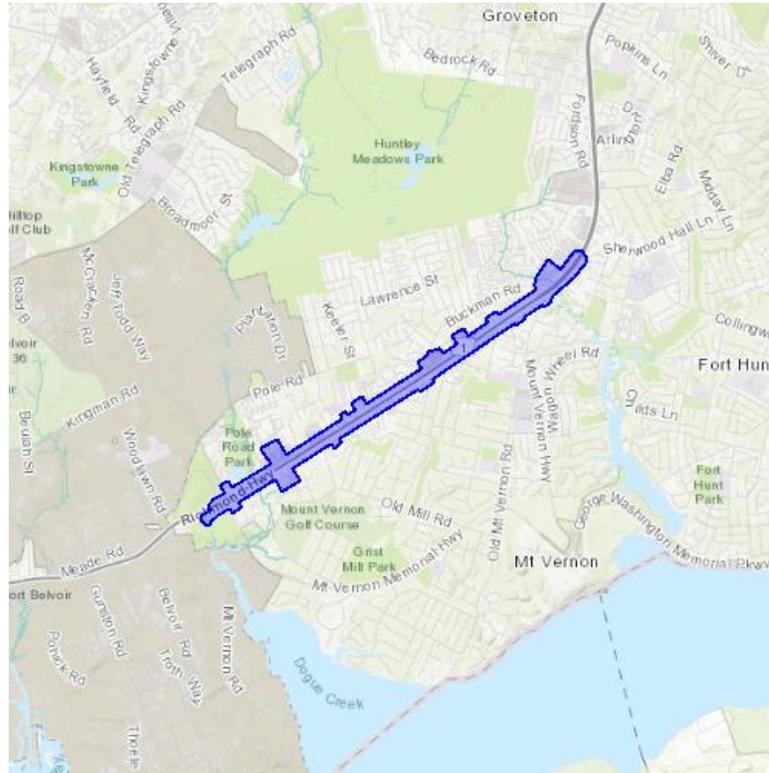
Please Note: The FWS office may have modified the Project Name and/or Project Description, so it may be different from what was submitted in your previous request. If the Consultation Code matches, the FWS considers this to be the same project. Contact the office in the 'Provided by' section of your previous Official Species list if you have any questions or concerns.



United States Department of Interior
Fish and Wildlife Service

Project name: Richmond Highway Corridor Improvement

Project Location Map:



Project Coordinates: The coordinates are too numerous to display here.

Project Counties: Fairfax, VA



United States Department of Interior
Fish and Wildlife Service

Project name: Richmond Highway Corridor Improvement

Endangered Species Act Species List

There are a total of 1 threatened or endangered 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. Critical habitats listed under the **Has Critical Habitat** column may or may not lie within your project area. See the **Critical habitats within your project area** section further below for critical habitat that lies within your project. Please contact the designated FWS office if you have questions.

Mammals	Status	Has Critical Habitat	Condition(s)
Northern long-eared Bat (<i>Myotis septentrionalis</i>) Population: Wherever found	Threatened		



United States Department of Interior
Fish and Wildlife Service

Project name: Richmond Highway Corridor Improvement

Critical habitats that lie within your project area

There are no critical habitats within your project area.



United States Department of Interior
Fish and Wildlife Service

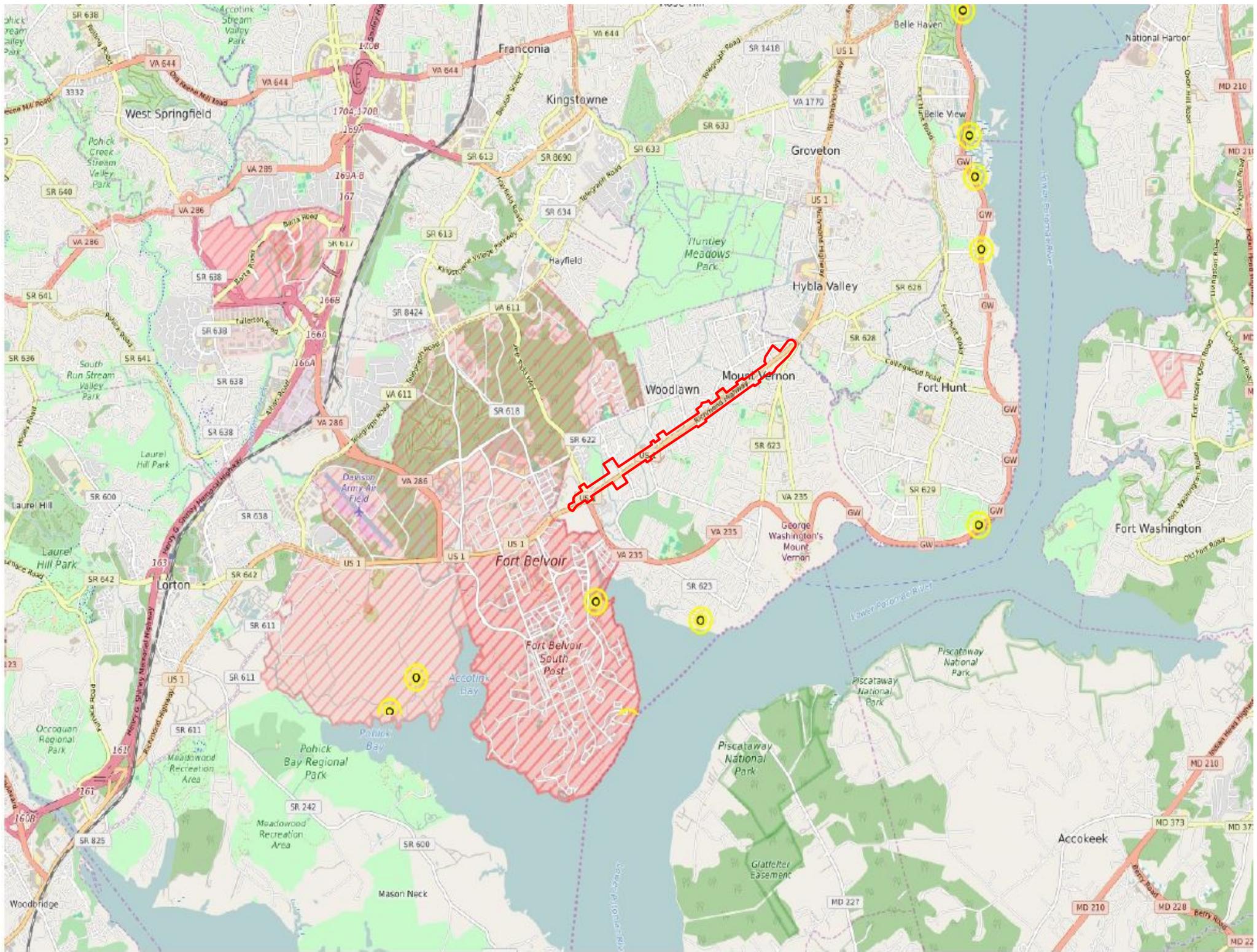
Project name: Richmond Highway Corridor Improvement

Appendix A: FWS National Wildlife Refuges and Fish Hatcheries

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

Appendix B

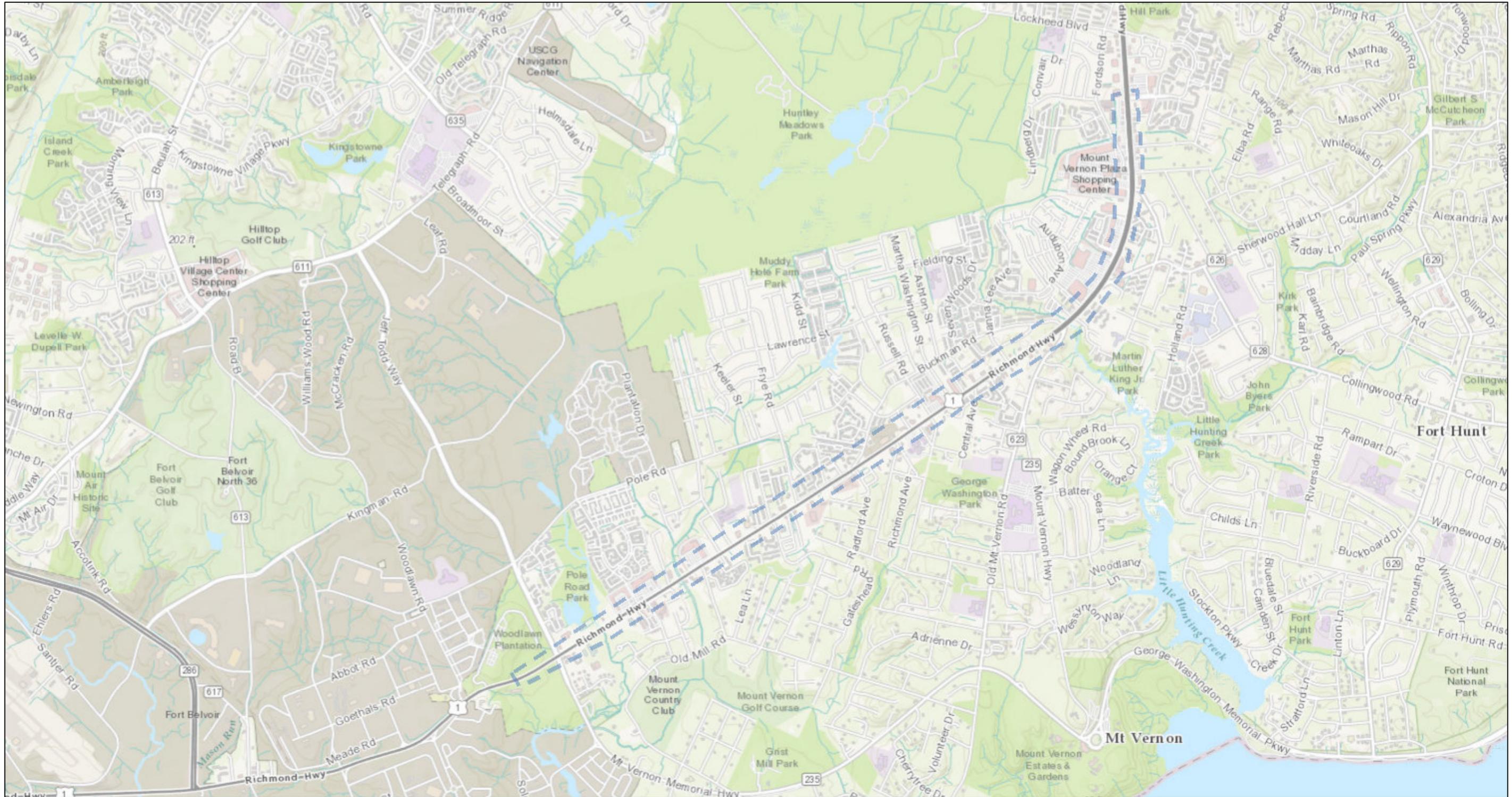
Center for Conservation Biology
Virginia Bald Eagle Nest Survey



Appendix C

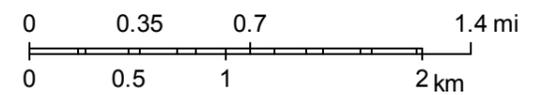
VDGIF Northern Long Ear Bat
AND
Little Brown and Tri-Color Bat
Mapping

NLEB Locations and Roost Trees



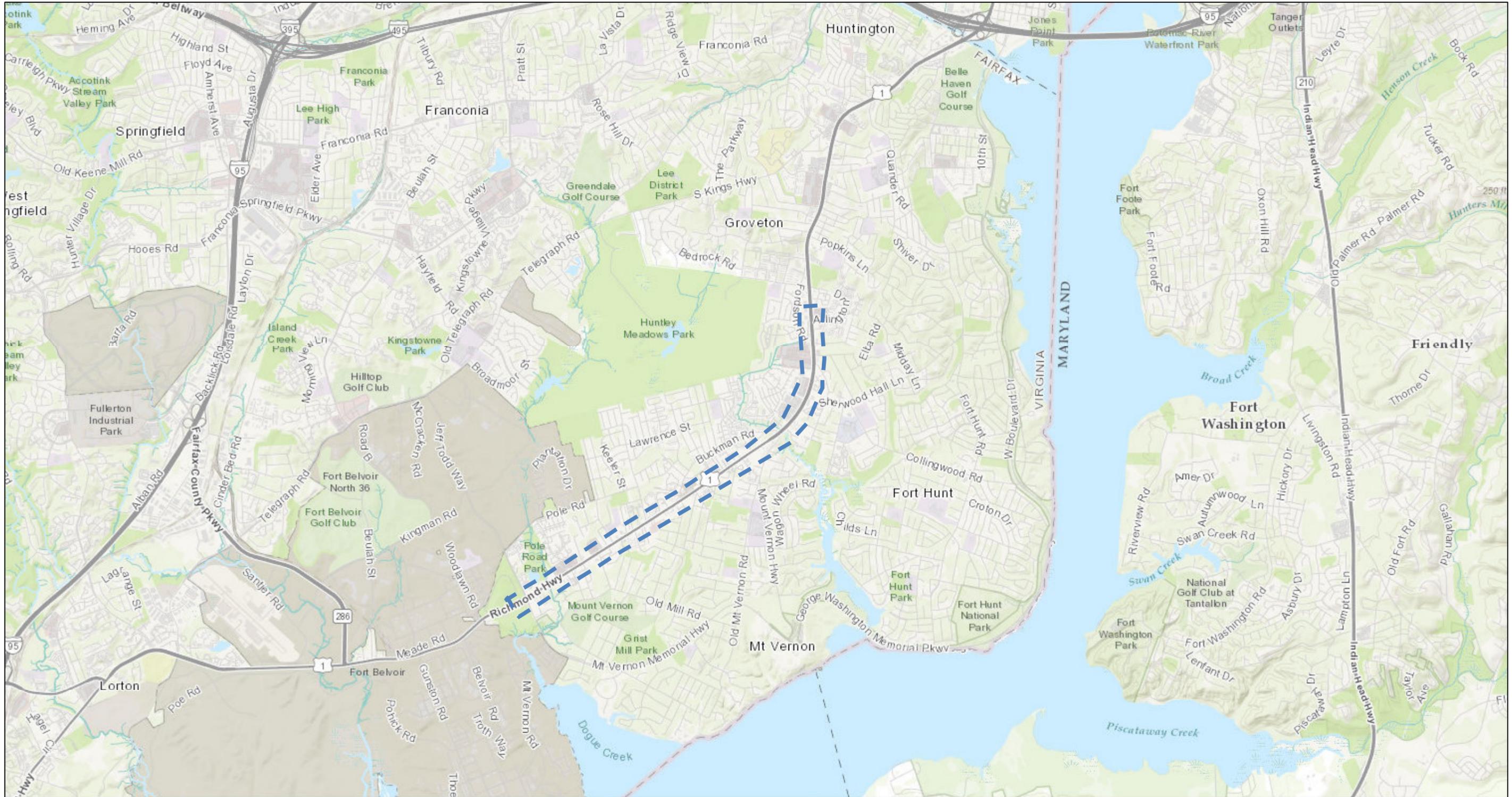
March 14, 2017

1:36,112



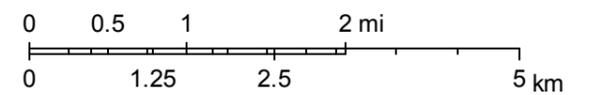
Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS

MYLU PESU Habitat



March 15, 2017

1:72,224



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS

Appendix D

Virginia Department of Game and Inland Fisheries

Virginia Fish and Wildlife Information Service
(VaFWIS)



Options
Species Information
By Name
By Land Management
References
Geographic Search
By Map
By Coordinates
By Place Name
Database Search
Help
Logout
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VaFWIS Initial Project Assessment Report

Compiled on 9/16/2016, 10:01:22 AM

Known or likely to occur within a 2 mile radius around point 38.7308333 -77.1041664 in 059 Fairfax County, VA

[View Map of Site Location](#)

694 Known or Likely Species ordered by Status Concern for Conservation (displaying first 30) (30 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
050020	SE	Ia	Bat, little brown	Myotis lucifugus lucifugus		BOVA
050027	SE	Ia	Bat, tri-colored	Perimyotis subflavus		BOVA
060006	SE	Ib	Floater, brook	Alasmodonta varicosa		BOVA
030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes	BOVA, TEWaters, Habitat, SppObs
040096	ST	Ia	Falcon, peregrine	Falco peregrinus	Yes	BOVA, SppObs
040293	ST	Ia	Shrike, loggerhead	Lanius ludovicianus		BOVA
040379	ST	Ia	Sparrow, Henslow's	Ammodramus henslowii		BOVA
100155	ST	Ia	Skipper, Appalachian grizzled	Pyrgus wyandot		BOVA
040292	ST		Shrike, migrant loggerhead	Lanius ludovicianus migrans		BOVA
030063	CC	IIIa	Turtle, spotted	Clemmys guttata	Yes	BOVA, SppObs
010077		Ia	Shiner, bridle	Notropis bifrenatus	Yes	BOVA, Habitat, SppObs
040040		Ia	Ibis, glossy	Plegadis falcinellus	Yes	BOVA, SppObs
040306		Ia	Warbler, golden-winged	Vermivora chrysoptera		BOVA
100248		Ia	Fritillary, regal	Speyeria idalia idalia		BOVA
040213		Ic	Owl, northern saw-whet	Aegolius acadicus		BOVA
040052		IIa	Duck, American black	Anas rubripes		BOVA
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, SppObs
040181		IIa	Tern, common	Sterna hirundo		BOVA
040320		IIa	Warbler, cerulean	Setophaga cerulea		BOVA
040140		IIa	Woodcock, American	Scolopax minor		BOVA
060071		IIa	Lampmussel, yellow	Lampsilis cariosa		BOVA
060029		IIa	Lance, yellow	Elliptio lanceolata		BOVA
040203		IIb	Cuckoo, black-billed	Coccyzus erythrophthalmus		BOVA
040105		IIb	Rail, king	Rallus elegans	Yes	BOVA, Habitat, SppObs
040304		IIc	Warbler, Swainson's	Limnothlypis swainsonii		BOVA
100154		IIc	Butterfly, Persius duskywing	Erynnis persius persius		BOVA

To view **All 694 species** [View 694](#)

*FE=Federal Endangered; FT=Federal Threatened; SE=State Endangered; ST=State Threatened; 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 - 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.

Bat Colonies or Hibernacula: Not Known

Anadromous Fish Use Streams (3 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
C64	Potomac river	Confirmed	6		IV	Yes
P94	Little Hunting Creek	Potential	0			Yes

Impediments to Fish Passage

N/A

Colonial Water Bird Survey

N/A

Threatened and Endangered Waters (2 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					
Dogue Creek (02070010)	ST	030062	ST	la	Turtle_wood	Glyptemys insculpta	Yes
Unnamed trib. of Dogue Creek (02070010)	ST	030062	ST	la	Turtle_wood	Glyptemys insculpta	Yes

Managed Trout Streams

N/A

Bald Eagle Concentration Areas and Roosts

N/A

Bald Eagle Nests (1 records)

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

Nest	N Obs	Latest Date	DGIF Nest Status	View Map
FF9201	17	Apr 29 2007	UNKNOWN	Yes

Displayed 1 Bald Eagle Nests

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					
Barnyard Run (20700102)		010077		la	Shiner_bridle	Notropis bifrenatus	Yes
(20700102)	ST	030062	ST	la	Turtle_wood	Glyptemys insculpta	Yes
Dogue Creek (20700102)	ST	030062	ST	la	Turtle_wood	Glyptemys insculpta	Yes
Little Hunting Creek (20700102)	ST	030062	ST	la	Turtle_wood	Glyptemys insculpta	Yes
Unnamed trib. of Dogue Creek (20700102)	ST	030062	ST	la	Turtle_wood	Glyptemys insculpta	Yes

Habitat Predicted for Terrestrial WAP Tier I & II Species (2 Species)

[View Map of Combined Terrestrial Habitat Predicted for 2 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

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

Compiled on 9/16/2016, 10:01:22 AM | 1770181.0 | report=IPA | searchType=R | dist= 3218 | poi= 38.7308333 -77.1041664
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| 9/16/2016 10:01:22 AM | [DGIE](#) | [Credits](#) | [Disclaimer](#) | Please view our [privacy policy](#) |
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1770181

If you have difficulty reading or accessing documents, please [Contact Us](#) for assistance.

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

38,43,51.0 -77,06,15.0 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

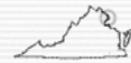
Federal

State

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

 2 mile radius Search Area

Virginia Fish and Wildlife Information Service



[Refresh Browser Page](#)

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



© Commonwealth of Virginia Department of Game and Inland Fisheries - September 16, 2016



Point of Search 38,43,51.0 -77,06,15.0

Map Location 38,43,51.0 -77,06,15.0

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 for details)

Map projection is UTM Zone 18 NAD 1983 with left 312301 and top 4293809. 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 map display represents 31501 feet east to west by 31501 feet north to south for a total of 35.5 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 aquired 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 2016-09-16 10:05:59 (qa/qc March 21, 2016 12:20 - tn=770181.1 dist=3218
I)
\$poi=38.7308333 -77.1041664

WOOD TURTLE (*Glyptemys insculpta*)

A Virginia Threatened Species



Note the sculptured scales of the top of shell (carapace).



Bottom view (plastron) of a male wood turtle. The concaved plastron is characteristic of a male. Note the distinct black markings and the brightly colored legs and tail.

Wood turtles, a state Threatened species, may be found in or near this project area. Wood turtles are medium-sized (6-9 inches adult shell length) semi-terrestrial turtles found in streams or in riparian uplands. The dull brown upper shell is very rough, and each section of the shell reflects growth rings that form an irregular pyramid. There is great variation in this trait, however, and the upper shell of older turtles may appear smooth. The bottom shell is yellow with black marginal blotches. Wood turtles have a black head, and dark brown extremities with characteristic yellow to burnt-orange skin patches on the neck and leg sockets. Wood turtles that are found in an instream construction area should be carefully relocated downstream to safety in suitable habitat (a run or deep pool with sandy or muddy bottom and submerged roots, branches, or logs). Wood turtles found within the project area uplands during construction should be relocated within the same watershed, approximately ¼ to ½ mile downstream of their original location. It is a violation of Virginia law to harm or to possess a wood turtle. If you have any questions concerning wood turtles, please contact John Kleopfer of the Virginia Department of Game and Inland Fisheries (804-829-6703; John.Kleopfer@dgif.virginia.gov).

THE WOOD TURTLE IS A PROTECTED SPECIES IN VIRGINIA: IT IS UNLAWFUL TO HARM, COLLECT, OR POSSESS THESE TURTLES.



WOOD TURTLE FIELD OBSERVATION FORM

The Virginia Department of Game and Inland Fisheries needs your help in monitoring Wood Turtle (*Glyptemys insculpta*) populations. If you encounter a Wood Turtle, please provide the information requested below and mail or FAX this form to:

Virginia Department of Game and Inland Fisheries
Attn: John Kleopfer
3801 J.T. Memorial Highway
Charles City, Virginia 23030
FAX 804-829-6788

If possible, send digital photos to: John.Kleopfer@dgif.virginia.gov

Distribution: The Wood Turtle is found primarily in the northeastern United States and parts of southeastern Canada, reaching the southern limit of its range in northern Virginia. In Virginia, it has been documented in Warren, Rockingham, Shenandoah, Frederick, Loudoun, Fairfax, Clark, and Page counties. It is not widely distributed, however, within these counties.

Species Descriptions (also see photos on the back of this sheet):

WOOD TURTLE: This semi-aquatic turtle usually is found in or near streams, but not in ponds, reservoirs, or lakes. The shell length of an adult Wood Turtle can reach 9 inches. The plastron (bottom-half of the shell) is NOT hinged and the carapace (top-half of the shell) is flattened. The legs and tail are usually reddish to orange in color. Females are sometimes less colorful.

EASTERN BOX TURTLE (*Terrapene carolina carolina*): This terrestrial (land-dwelling) species seldom is found in water, but is often misidentified as a Wood Turtle. The Eastern Box Turtle has a high domed shell and a hinged plastron, which allows for it to completely enclose itself. The shell length of an adult is rarely over 5 inches.

Your name: _____

Your address: _____

Your phone number (optional): _____

Location of observation (GPS coordinates, if possible). Include name of the nearest stream.

Comments: _____

THE WOOD TURTLE IS A PROTECTED SPECIES IN VIRGINIA: IT IS UNLAWFUL TO HARM, COLLECT, OR POSSESS THESE TURTLES.

WOOD TURTLE



Note the sculptured scales of the top of shell (carapace).

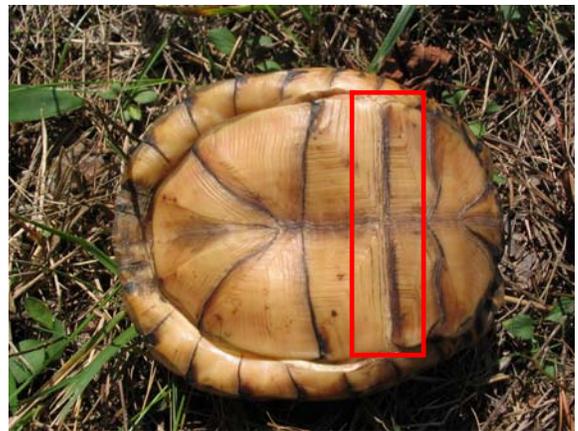


Bottom view (plastron) of a male Wood Turtle. The concave plastron is characteristic of a male. Note the distinct black markings and the brightly colored legs and tail.

EASTERN BOX TURTLE



Note the high domed shell and lack of sculptured scales. Males usually have an orange or yellowish face and legs and are more brightly colored in comparison to females.



Note the **hinged plastron** and no markings. The concave plastron is also characteristic of male box turtles.



The plastron of Eastern Box Turtles will often turn black.



Unlike Wood Turtles, box turtles can completely enclose themselves for protection.

1 Species Observations
where Falcon, peregrine
(040096) observed

38,43,51.0 -77,06,15.0
 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 v

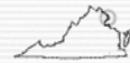
Map Overlay Choices

Current List: Position, Search,
 SppObs

Map Overlay Legend

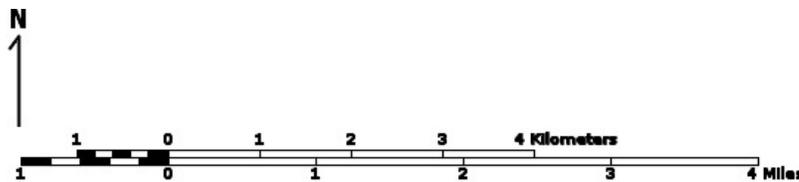
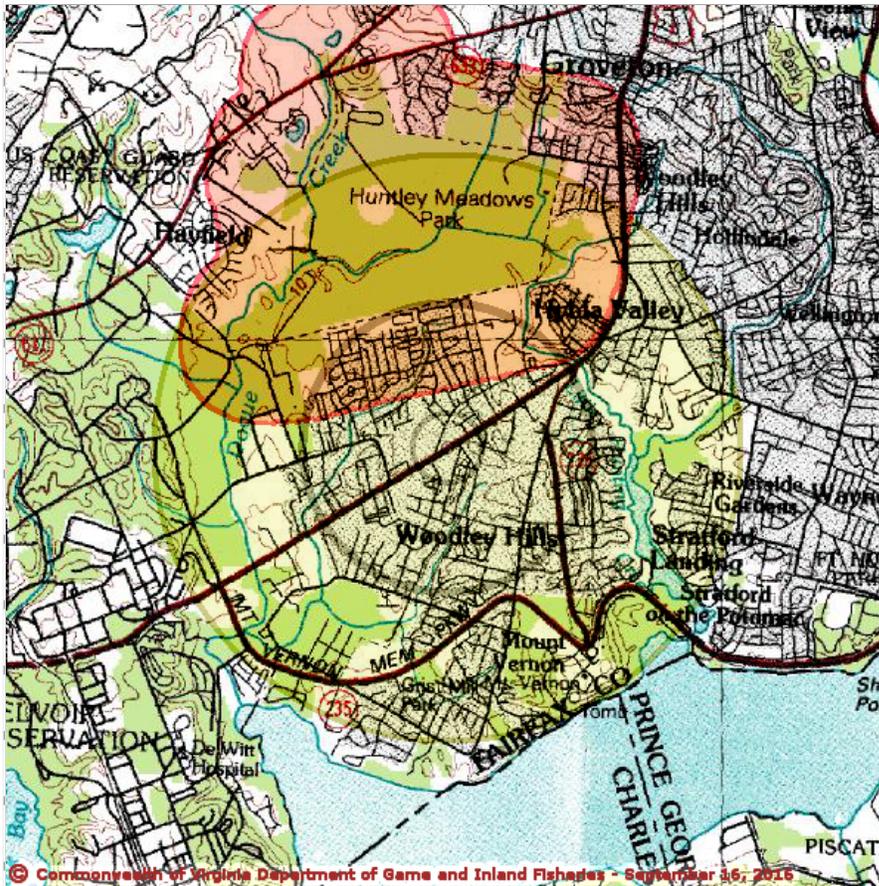
-  **Position Rings**
 1 mile and 1/4
 mile at the
 Search Point
-  **2 mile radius**
 Search Area
-  **Data**
 Observation Site

Virginia Fish and Wildlife Information Service



[Refresh Browser Page](#)

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



Point of Search 38,43,51.0 -77,06,15.0

Map Location 38,43,51.0 -77,06,15.0

- 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)

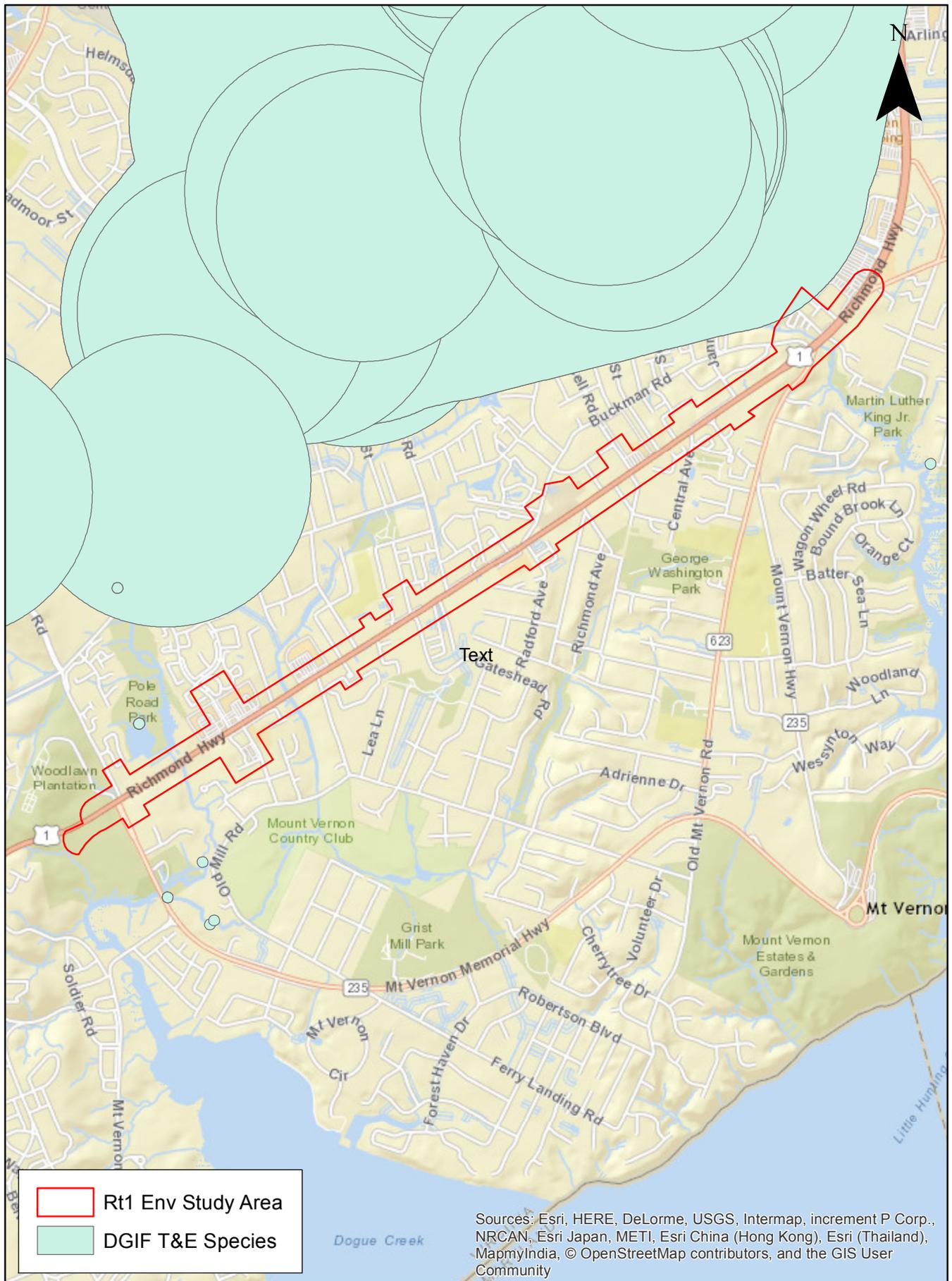
Map projection is UTM Zone 18 NAD 1983 with left 312301 and top 4293809. Pixel size is 16 meters . Coordinates displayed are Degrees, Minutes, Seconds North and West.Map is currently displayed as 600 columns by 600 rows for a total of 360000 pixles. The map display represents 9600 meters east to west by 9600 meters north to south for a total of 92.1 square kilometers. The map display represents 31501 feet east to west by 31501 feet north to south for a total of 35.5 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.
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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 2016-09-16 10:07:40 (qa/qc March 21, 2016 12:20 - tn=770181.1 dist=3218
I)
\$poi=38.7308333 -77.1041664

Threatened and Endangered Species



0 0.1750.35 0.7 1.05 1.4 Miles

Appendix E

U.S. Fish and Wildlife Service Species Conclusion Table

Species Conclusions Table (Proposed)

Project Name: 0001-029-205, C501, P101, R201, UPC#: 107187 (Richmond Highway (US Route 1) Corridor Improvements)

Date: March 16, 2017

Species / Resource Name	Conclusion	ESA Section 7 / Eagle Act Determination	Notes / Documentation
Northern long-eared Bat (<i>Myotis septentrionalis</i>)	Suitable habitat present	May affect	Relying upon the findings of the 1/5/2016 Programmatic Biological Opinion for Final 4(d) Rule on the Northern Long-Eared Bat and Activities Excepted from Take Prohibitions to fulfill our project-specific section 7 responsibilities.
Critical habitat	No critical habitat present	No Effect	No critical habitat present
Bald eagle	Unlikely to disturb nesting bald eagles	No Eagle Act permit required	See attached map
Bald eagle	Does not intersect with an eagle concentration area	No Eagle Act permit required	See attached map