



United States Department of the Interior



FISH AND WILDLIFE SERVICE
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In Reply Refer To:
Consultation Code: 05E2VA00-2019-SLI-0033
Event Code: 05E2VA00-2019-E-00085
Project Name: UJ-4 Cole

October 02, 2018

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(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: 05E2VA00-2019-SLI-0033

Event Code: 05E2VA00-2019-E-00085

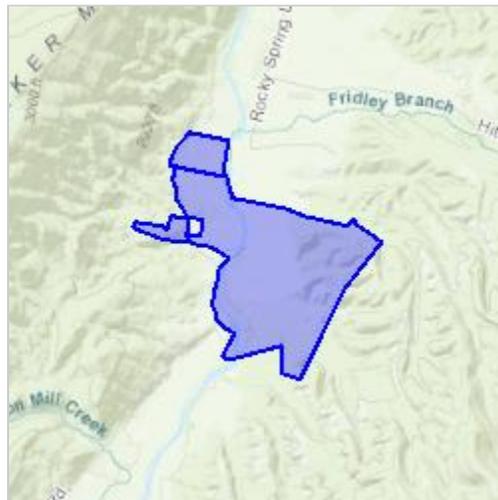
Project Name: UJ-4 Cole

Project Type: LAND - RESTORATION / ENHANCEMENT

Project Description: Wetland restoration project

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/38.15058528995962N79.4050925289671W>



Counties: Augusta, VA

Endangered Species Act Species

There is a total of 4 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.

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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
Indiana Bat <i>Myotis sodalis</i> There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5949	Endangered
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

Clams

NAME	STATUS
James Spiny mussel <i>Pleurobema collina</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2212	Endangered

Flowering Plants

NAME	STATUS
Shale Barren Rock Cress <i>Arabis serotina</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6018	Endangered

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.

Natural Heritage Resources

Natural Heritage resources that have been recorded within 2 miles of the project site:

Type of Resource	Scientific Name	Common Name	Global Rank	EO Rank
Invertebrate	<i>Euchlaena milnei</i>	Milne's Euchlaena Moth	G2G4	C
	<i>Sphinx franckii</i>	Franck's Sphinx	G4G5	E
	<i>Erastria coloraria</i>	Broad-lined Erastria Moth	G3G4	E
	<i>Brachionycha borealis</i>	Boreal Fan Moth	G4	C
	<i>Lytrosis permagnaria</i>	Geometrid Moth	G3G4	B
	<i>Euxoa immixta</i>	Mixed Dart Moth	G4	E
	<i>Catocala herodias gerhardi</i>	Pine Barrens Underwing	G3T3	E
Terrestrial Natural Community	<i>Caltha palustris</i> - <i>Impatiens pallid</i> - <i>Viola cucullata</i> Herbaceous vegetation	Central Appalachian - Montane Woodland Seep	GNR	A
	<i>Cephalanthus occidentalis</i> / <i>Dulichium arundinaceum</i> Shrub Herbaceous vegetation	Central Appalachian Mountain Pond (Buttonbush -Threeway Sedge Type) - Montane Depression Swamp	G1	A

Type of Resource	Name	Biodiversity Rank	Comments
Conservation Site	Great North Mountain Forests	B3 - High	Supportive of 7 rare moth species.
	Clayton Mill Spring	B1 - Outstanding	Supportive of 2 terrestrial natural communities, one of which is a globally-rare wetland.

Attachment J

VaFWIS Search Report Compiled on 10/2/2018, 10:15:49 AM[Help](#)

Observations reported or potential habitat occurs within a **3 mile radius around point 38,09,10.0 -79,24,27.0**
in **015 Augusta County, 017 Bath County, VA**

[View Map of Site Location](#)

622 Known or Likely Species ordered by Status Concern for Conservation
(displaying first 40) (40 species with Status* or Tier I** or Tier II**)

BOVA Code	Status*	Tier**	Common Name	Scientific Name
050023	FESE	Ia	Bat, Indiana	Myotis sodalis
060017	FESE	Ia	Spinymussel, James	Parvaspina collina
050021	FESE	IIa	Bat, gray	Myotis grisescens
050035	FESE	IIa	Bat, Virginia big-eared	Corynorhinus townsendii virginianus
050022	FTST	Ia	Bat, northern long-eared	Myotis septentrionalis
070001	FTST	IIc	Isopod, Madison Cave	Antrolana lira
050020	SE	Ia	Bat, little brown	Myotis lucifugus
050027	SE	Ia	Bat, tri-colored	Perimyotis subflavus
060006	SE	Ib	Floater, brook	Alasmidonta varicosa
020052	SE	IIa	Salamander, eastern tiger	Ambystoma tigrinum
050009	SE	IIa	Shrew, American water	Sorex palustris
050084	SE	IIa	Vole, rock	Microtus chrotorrhinus
040267	SE		Wren, Bewick's	Thryomanes bewickii
040096	ST	Ia	Falcon, peregrine	Falco peregrinus
040293	ST	Ia	Shrike, loggerhead	Lanius ludovicianus
060173	ST	Ia	Pigtoe, Atlantic	Fusconaia masoni
100155	ST	Ia	Skipper, Appalachian grizzled	Pyrgus wyandot
070012	ST	Ib	Amphipod, Madison Cave	Stygobromus stegerorum
010127	ST	IIb	Madtom, orangefin	Noturus gilberti
040292	ST		Shrike, migrant loggerhead	Lanius ludovicianus migrans
030063	CC	IIIa	Turtle, spotted	Clemmys guttata
030012	CC	IVa	Rattlesnake, timber	Crotalus horridus
030040		Ia	Pinesnake, northern	Pituophis melanoleucus melanoleucus
040092		Ia	Eagle, golden	Aquila chrysaetos
040306		Ia	Warbler, golden-winged	Vermivora chrysoptera
050024		Ia	Myotis, eastern small-footed	Myotis leibii
100248		Ia	Fritillary, regal	Speyeria idalia idalia
010346		Ib	Shiner, roughhead	Notropis semperasper
060084		Ib	Pigtoe, Virginia	Lexingtonia subplana

Attachment J		Ic	Salamander, Cow Knob	Plethodon punctatus
020027		Ic	Owl, northern saw-whet	Aegolius acadicus
040213		Ic	Duck, American black	Anas rubripes
040052		IIa	Night-heron, yellow-crowned	Nyctanassa violacea violacea
040036		IIa	Warbler, cerulean	Setophaga cerulea
040320		IIa	Woodcock, American	Scolopax minor
040140		IIa	Cuckoo, black-billed	Coccyzus erythrophthalmus
040203		IIb	Warbler, Swainson's	Limnothlypis swainsonii
040304		IIc	Beetle, Maureen's shale stream	Hydraena maureenae
100328		IIc	Butterfly, Persius duskywing	Erynnis persius persius
100154		IIc	MILLIPEDE	Nannaria simplex
110367		IIc		

To view **All 622 species** [View 622](#)

*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.

Anadromous Fish Use Streams

N/A

Impediments to Fish Passage

N/A

Threatened and Endangered Waters

N/A

Managed Trout Streams (2 records)

[View Map of All Trout Stream Surveys](#)

Reach ID	Stream Name	Class	Brook Trout	Brown Trout	Rainbow Trout	View Map
10CYN-01	Clayton Mill Creek	Wild trout	Y			Yes
10HIT-01	Hite Hollow Creek	Wild trout	Y			Yes

Bald Eagle Concentration Areas and Roosts

N/A

Attachment J

Bald Eagle Nests

N/A

Habitat Predicted for Aquatic WAP Tier I & II Species (6 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					
Calfpasture River (20802021)	FESE	010346		Ib	Shiner, roughhead	Notropis semperasper	Yes
		060017	FESE	Ia	Spinymussel, James	Parvaspina collina	
		060173	ST	Ia	Pigtoe, Atlantic	Fusconaia masoni	
Calfpasture River (20802021)	FESE	010346		Ib	Shiner, roughhead	Notropis semperasper	Yes
		060017	FESE	Ia	Spinymussel, James	Parvaspina collina	
Hamilton Branch (20802021)	FESE	010346		Ib	Shiner, roughhead	Notropis semperasper	Yes
		060017	FESE	Ia	Spinymussel, James	Parvaspina collina	
Hamilton Branch (20802021)	FESE	060017	FESE	Ia	Spinymussel, James	Parvaspina collina	Yes
tributary (20802021)	FESE	060017	FESE	Ia	Spinymussel, James	Parvaspina collina	Yes
tributary (20802022)	FESE	060017	FESE	Ia	Spinymussel, James	Parvaspina collina	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
050084	SE	IIa	Vole, rock	Microtus chrotorrhinus	Yes
020027		Ic	Salamander, Cow Knob	Plethodon punctatus	Yes

Virginia Breeding Bird Atlas Blocks (6 records)

Attachment J

[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 **	
35131	Craigsville, NW	1	ST	I	Yes
35144	Deerfield, CE	1	ST	I	Yes
35143	Deerfield, CW	1			Yes
35146	Deerfield, SE	81	ST	I	Yes
35145	Deerfield, SW	1	ST	I	Yes
36145	Elliott Knob, SW	4		IV	Yes

Public Holdings: (1 names)

Name	Agency	Level
George Washington National Forest	U.S. Forest Service	Federal

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
015	Augusta	487	FTSE	I
017	Bath	426	FESE	I

USGS 7.5' Quadrangles:

Craigsville
 Deerfield
 Augusta Springs
 Elliott Knob

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
JU63	Calfpasture River-Holloway Draft	74	FESE	I
JU64	Hamilton Branch	71	FESE	I
JU65	Calfpasture River-Fridley Branch	82	FESE	I
JU66	Mill Creek-Cabin Creek	88	FESE	I
JU69	Upper Little Calfpasture River	71	ST	I

Compiled on 10/2/2018, 10:15:50 AM V937356.0 report=V searchType=R dist= 4827 poi= 38,09,10.0 -79,24,27.0