

Appendix D – Wildlife Supporting Documents and Tabulations

Tabulated Summary of Semi-Aquatic Mammals

Tabulated Summary of Amphibians and Reptiles

Tabulated Summary of Fish

Tabulated Summary of Mussels

Tabulated Summary of Birds

Tabulated Summary of Terrestrial Mammals

USFWS Information for Planning and Consultation Report

Tabulated Summary of Semi-Aquatic Mammals

Tabulated Summary of Amphibians and Reptiles

Semi-aquatic Mammals

beaver	<i>Castor canadensis</i>
mink	<i>Mustela vison</i>
muskrat	<i>Ondatra zibethicus</i>
river otter	<i>Lontra canadensis</i>

Amphibians and Reptiles

American bull frog	<i>Lithobates catesbeianus</i>
American toad	<i>Anaxyrus americanus</i>
blue-spotted salamander	<i>Ambystoma laterale</i>
wood turtle	<i>Glyptemys insculpta</i>
common garter snake	<i>Thamnophis sirtalis</i>
eastern red-backed salamander	<i>Plethodon cinereus</i>
gray tree frog	<i>Hyla versicolor</i>
green frog	<i>Lithobates clamitans</i>
Milk Snake	<i>Lampropeltis triangulum</i>
northern water snake	<i>Nerodia sipedon</i>
mink frog	<i>Lithobates septentrionalis</i>
northern leopard frog	<i>Lithobates pipiens</i>
pickerel frog	<i>Lithobates palustris</i>
northern dusky salamander	<i>Desmognathus fuscus</i>
northern two-lined salamander	<i>Eurycea bislineata</i>
painted turtle	<i>Chrysemys picta</i>
snapping turtle	<i>Chelydra serpentina</i>
spotted salamander	<i>Ambystoma maculatum</i>
spring peeper	<i>Pseudacris crucifer</i>
spring salamander	<i>Gyrinophilus porphyriticus</i>
wood frog	<i>Lithobates sylvatica</i>

Tabulated Summary of Fish

Tabulated Summary of Mussels

Fish	
American eel	<i>Anguilla rostrata</i>
bullhead	<i>Ameirus nebulosus</i>
black crappie	<i>Pomoxis nigromaculatus</i>
blacknose dace	<i>Rhinichthys atratulus</i>
bluntnose minnow	<i>Pimephales notatus</i>
bowfin	<i>Amia calva</i>
brook trout	<i>Salveninus fontinalis</i>
brown trout	<i>Salmo trutta</i>
carp	<i>Cyprinus carpio</i>
chain pickerel	<i>Esox niger</i>
creek chub	<i>Semotilus atromaculatus</i>
common shiner	<i>Luxilis cornutus</i>
eastern silvery minnow	<i>Hybognathus regius</i>
fall fish	<i>Semotilus corporalis</i>
flathead minnow	<i>Pimephales promelas</i>
freshwater drum	<i>Aplodinotus grunniens</i>
golden shiner	<i>Notemigonus crysoleucas</i>
largemouth bass	<i>Micropterus salmoides</i>
longnose dace	<i>Rhinichthys cataractae</i>
longnose sucker	<i>Catostomus catostomus</i>
mimic shiner	<i>Notropis colucellus</i>
musky	<i>Esox masquinongy</i>
northern pike	<i>Esox lucius</i>
pumpkinseed	<i>Lepomis gibbosus</i>
northern redbelly dace	<i>Phoxinus eos</i>
rainbow trout	<i>Oncorhynchus mykiss</i>
smallmouth bass	<i>Micropterus dolomieu</i>
spottail shiner	<i>Notropis hudsonius</i>
yellow perch	<i>Perca flavescens</i>
white perch	<i>Morone americana</i>
white sucker	<i>Catostomus commersoni</i>

Mussels	
eastern lampmussel	<i>Lampsilis radiata</i>
eastern elliptio	<i>elliptio complantata</i>
eastern floater	<i>Pygandon cataracta</i>
fluted shell	<i>Lasmigona costata</i>

Tabulated Summary of Birds

Birds

alder flycatcher	<i>Empidonax alnorum</i>
American crow	<i>Corvus brachyrhynchos</i>
American goldfinch	<i>Spinus tristis</i>
American redstart	<i>Setophaga ruticilla</i>
American robin	<i>Turdus migratorius</i>
blue-headed vireo	<i>Vireo solitarius</i>
blue jay	<i>Cyanocitta cristata</i>
blue-winged warbler	<i>Vermivora cyanoptera</i>
Baltimore oriole	<i>Icterus galbula</i>
belted kingfisher	<i>Megaceryle alcyon</i>
black-and-white warbler	<i>Mniotilta varia</i>
black-capped chickadee	<i>Poecile atricapillus</i>
barn swallow	<i>Hirundo rustica</i>
broad-winged hawk	<i>Buteo platypterus</i>
brown-headed cowbird	<i>Molothrus ater</i>
brown thrasher	<i>Toxostoma rufum</i>
cedar waxwing	<i>Bombycilla cedrorum</i>
chestnut-sided warbler	<i>Setophaga pensylvanica</i>
Carolina wren	<i>Thryothorus ludovicianus</i>
chimney swift	<i>Chaetura pelagica</i>
chipping sparrow	<i>Spizella passerina</i>
common grackle	<i>Quiscalus quiscula</i>
common raven	<i>Corvus corax</i>
common yellowthroat	<i>Geothlypis trichas</i>
dark-eyed junco	<i>Junco hyemalis</i>
downy woodpecker	<i>Picoides pubescens</i>
eastern towhee	<i>Pipilo erythrophthalmus</i>
eastern kingbird	<i>Tyrannus tyrannus</i>
eastern phoebe	<i>Sayornis phoebe</i>
eastern wood-pewee	<i>Contopus virens</i>
European starling	<i>Sturnus vulgaris</i>
fish crow	<i>Corvus ossifragus</i>
golden-crowned kinglet	<i>Regulus satrapa</i>
gray catbird	<i>Dumetella carolinensis</i>
great-crested flycatcher	<i>Myiarchus crinitus</i>
hairy woodpecker	<i>Leuconotopicus villosus</i>
house finch	<i>Haemorhous mexicanus</i>
house sparrow	<i>Passer domesticus</i>
house wren	<i>Troglodytes aedon</i>
indigo bunting	<i>Passerina cyanea</i>

Birds (cont)

least flycatcher	<i>Empidonax minimus</i>
mourning dove	<i>Zenaida macroura</i>
northern cardinal	<i>Cardinalis cardinalis</i>
northern mockingbird	<i>Mimus polyglottos</i>
northern parula	<i>Setophaga americana</i>
osprey	<i>Pandion haliaetus</i>
ovenbird	<i>Seiurus aurocapilla</i>
pine siskin	<i>Spinus pinus</i>
purple finch	<i>Haemorhous purpureus</i>
red-bellied woodpecker	<i>Melanerpes carolinus</i>
red-breasted nuthatch	<i>Sitta canadensis</i>
red-eyed vireo	<i>Vireo olivaceus</i>
red-shouldered hawk	<i>Buteo lineatus</i>
red-tailed hawk	<i>Buteo jamaicensis</i>
rock pigeon	<i>Columba livia</i>
ruby-crowned kinglet	<i>Regulus calendula</i>
ruby-throated hummingbird	<i>Archilochus colubris</i>
scarlet tanager	<i>Piranga olivacea</i>
song sparrow	<i>Melospiza melodia</i>
turkey vulture	<i>Cathartes aura</i>
tree swallow	<i>Tachycineta bicolor</i>
tufted titmouse	<i>Baeolophus bicolor</i>
white-breasted nuthatch	<i>Sitta carolinensis</i>
wood thrush	<i>Hylocichla mustelina</i>
yellow-rumped Warbler	<i>Setophaga coronata</i>
yellow warbler	<i>Setophaga petechia</i>
belted kingfisher	<i>Megaceryle alcyon</i>
northern flicker	<i>Colaptes auratus</i>
pileated woodpecker	<i>Dryocopus pileatus</i>
hairy woodpecker	<i>Picoides villosus</i>
yellow-bellied sapsucker	<i>Sphyrapicus varius Y</i>
yellow-bellied flycatcher	<i>Empidonax flaviventris</i>

Tabulated Summary of Terrestrial Mammals

Terrestrial Mammals

common mouse	<i>Peromyscus species</i>
eastern chipmunk	<i>Tamias striatus</i>
eastern cottontail	<i>Sylvilagus floridanus</i>
gray squirrel	<i>Sciurus carolinensis</i>
red squirrel	<i>Tamiasciurus hudsonicus</i>
raccoon	<i>Procyon lotor</i>
rat	<i>Rattus species</i>
Virginia opossum	<i>Didelphis virginiana</i>

USFWS Information for Planning and Consultation Report



United States Department of the Interior



FISH AND WILDLIFE SERVICE
New England Ecological Services Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5094
Phone: (603) 223-2541 Fax: (603) 223-0104
<http://www.fws.gov/newengland>

In Reply Refer To:

March 23, 2017

Consultation Code: 05E1NE00-2017-SLI-1158

Event Code: 05E1NE00-2017-E-02173

Project Name: Middlebury WRCS(23) Bridge Project

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.).

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

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:

New England Ecological Services Field Office

70 Commercial Street, Suite 300

Concord, NH 03301-5094

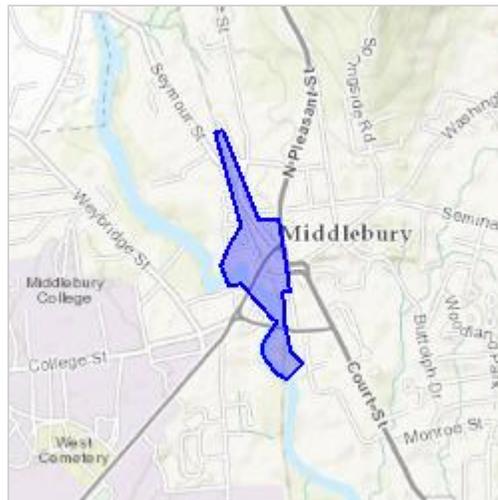
(603) 223-2541

Project Summary

Consultation Code: 05E1NE00-2017-SLI-1158
Event Code: 05E1NE00-2017-E-02173
Project Name: Middlebury WRCS(23) Bridge Project
Project Type: DEVELOPMENT
Project Description: Middlebury WRCS(23) Bridge Project
Project Location:

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

<https://www.google.com/maps/place/44.01456640226056N73.16853900024175W>



Counties: Addison, VT

Endangered Species Act Species

There is a total of 2 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: 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

Critical habitats

There are no critical habitats within your project area.
