

Part I: General Conditions

General Information

Name of Municipality or Organization: State:

EPA NPDES Permit Number (if applicable):

Primary MS4 Program Manager Contact Information

Name: Title:

Street Address Line 1:

Street Address Line 2:

City: State: Zip Code:

Email: Phone Number:

Fax Number:

Other Information

Stormwater Management Program (SWMP) Location (web address or physical location, if already completed):

Eligibility Determination

Endangered Species Act (ESA) Determination Complete? Eligibility Criteria (check all that apply): A B C

National Historic Preservation Act (NHPA) Determination Complete? Eligibility Criteria (check all that apply): A B C D

Check the box if your municipality or organization was covered under the 2003 MS4 General Permit

MS4 Infrastructure (if covered under the 2003 permit)

Estimated Percent of Outfall Map Complete? If 100% of 2003 requirements not met, enter an estimated date of completion (MM/DD/YY):

Web address where MS4 map is published:
If outfall map is unavailable on the internet an electronic or paper copy of the outfall map must be included with NOI submission (see section V for submission options)

Regulatory Authorities (if covered under the 2003 permit)

| | | | |
|--|----------------------------------|--|---------------------------------------|
| Illicit Discharge Detection and Elimination (IDDE) Authority Adopted? <small>(Part II, III, IV or V, Subpart B.3.(b.) of 2003 permit)</small> | <input type="text" value="Yes"/> | Effective Date or Estimated Date of Adoption (MM/DD/YY): | <input type="text" value="01/01/05"/> |
| Construction/Erosion and Sediment Control (ESC) Authority Adopted? <small>(Part II, III, IV or V, Subpart B.4.(a.) of 2003 permit)</small> | <input type="text" value="Yes"/> | Effective Date or Estimated Date of Adoption (MM/DD/YY): | <input type="text" value="01/01/04"/> |
| Post-Construction Stormwater Management Adopted? <small>(Part II, III, IV or V, Subpart B.5.(a.) of 2003 permit)</small> | <input type="text" value="Yes"/> | Effective Date or Estimated Date of Adoption (MM/DD/YY): | <input type="text" value="01/01/04"/> |

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part II: Summary of Receiving Waters

Please list the waterbody segments to which your MS4 discharges. For each waterbody segment, please report the number of outfalls discharging into it and, if applicable, any impairments.

New Hampshire list of impaired waters: <http://des.nh.gov/organization/divisions/water/wmb/swqa/>

Check off relevant pollutants for discharges to impaired waterbodies (see above 303(d) lists) without an approved TMDL in accordance with part 2.2.2 of the permit. List any other pollutants in the last column, if applicable.

| Waterbody segment that receives flow from the MS4 | Number of outfalls into receiving water segment | Chloride | Chlorophyll-a | Dissolved Oxygen/DO Saturation | Nitrogen | Oil & Grease/PAH | Phosphorus | Solids/ TSS/ Turbidity | E. coli | Enterococcus | Other pollutant(s) causing impairments |
|---|---|-------------------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|--|
| Reservoir Brook (R-22) | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | N/A |
| Durham Reservoir - Durham Reservoir Dam (I-05) | 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | N/A |
| Reservoir Brook (R-10) | 19 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Benthic-Macroinvertebrate Bioassessments (Streams), pH |
| College Brook (R-09) | 38 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Benthic-Macroinvertebrate Bioassessments (Streams) |
| Oyster River - Chelsey Brook (R-04) | 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | pH |
| Oyster River - Oyster Reservoir (I-01) | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | N/A |
| Oyster River - Unnamed Brook (R-05) | 6 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | N/A |
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Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary

Identify the Best Management Practices (BMPs) that will be employed to address each of the six Minimum Control Measures (MCMs).

For each MCM, list each existing or proposed BMP by category and provide a brief description, responsible parties/departments, measurable goals, and the year the BMP will be employed (public education and outreach BMPs also requires a target audience). **Use the drop-down menus in each table or enter your own text to override the drop down menu.**

MCM 1: Public Education and Outreach

| BMP Media/Category (enter your own text to override the drop down menu) | BMP Description | Targeted Audience | Responsible Department/Parties (enter your own text to override the drop down menu) | Measurable Goal | Beginning Year of BMP Implementation |
|---|--|--|---|---|---|
| Web Page and other promotional materials | Varied. Use NH Seacoast Stormwater Coaliton outreach materials and guidance to implement outreach for relevant impairments | Residents | UNH Facilities with NH Regional Seacoast Stormwater Coalition | To be determined with coordination with NH Seacoast Stormwater Coalition. Examples1) Increased awareness of proper fertilizer use. 2) Increased awareness of pet waste impacts to water quality. 3) Increased awareness of yard waste impacts to water quality. 4) Increased septic system testing. | Year 1 |
| Promotional Materials | Varied. Use NH Seacoast Stormwater Coaliton outreach materials and guidance to implement outreach for relevant impairments | Businesses, Institutions and Commercial Facilities | UNH Facilities with NH Regional Seacoast Stormwater Coalition | To be determined with coordination with NH Seacoast Stormwater Coalition . | Year 1 |

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Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

MCM 3: Illicit Discharge Detection and Elimination (IDDE)

| BMP Categorization (enter your own text to override the drop down menu) | BMP Description | Responsible Department/Parties (enter your own text to override the drop down menu) | Measurable Goal (all text can be overwritten) |
|---|---|---|--|
| Sanitary Sewer Overflow (SSO) inventory | Develop SSO inventory in accordance of permit conditions | UNH Facilities | Complete within 1 year of effective date of permit |
| Storm sewer system map | Create map and update during IDDE program completion, update annually | UNH Facilities | Update map within 2 years of effective date of permit and complete full system map 10 years after effective date of permit |
| Written Illicit Discharge and Detection Elimination (IDDE) program development | Create written IDDE program | UNH Facilities | Complete within 1 year of the effective date of permit and update as required under sections 2.3.4.6-11 |
| Implement IDDE program | Implement catchment investigations according to program and permit conditions | UNH Facilities | Complete 10 years after effective date of permit |
| Implement employee training | Train employees in IDDE program implementation | UNH Facilities | Provide training annually |
| Conduct dry weather screening | Conduct in accordance with outfall screening procedure and permit conditions in section 2.3.4.7.b | UNH Facilities | Complete 3 years after effective date of permit, update annually and based on results of dry weather screening |
| Conduct wet weather screening | Conduct in accordance with outfall screening procedures in in section 2.3.4.7.b | UNH Facilities | Complete 10 years after effective date of permit |
| Ongoing screening | Conduct dry weather and wet weather screening (as necessary) | UNH Facilities | Complete ongoing outfall screening on completion of IDDE program |
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Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary *(continued)*

MCM 4: Construction Site Stormwater Runoff Control

| BMP Categorization (enter your own text to override the drop down menu or entered text) | BMP Description | Responsible Department/Parties (enter your own text to override the drop down menu) | Measurable Goal (all text can be overwritten) |
|---|---|---|---|
| Implement site inspection and enforcement of erosion and sediment (ESC) control measures | Enact ESC Regulations | UNH Facilities | Complete within 1 year of the effective date of permit |
| Prepare written procedures for Site Plan Review | Document procedures in regulations and begin implementation | UNH Facilities | Complete within 1 year of the effective date of permit |
| Erosion and Sediment Control | Enact requirements for construction operators to implement a sediment and erosion control program | UNH Facilities | Complete within 1 year of the effective date of permit |
| Construction and site waste controls | Enact requirements to control wastes, including but not limited to, discarded building materials, concrete truck wash out, chemicals, litter, and sanitary wastes | UNH Facilities | Complete within 1 year of the effective date of permit |
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Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

MCM 5: Post-Construction Stormwater Management in New Development and Redevelopment

| <p>BMP Categorization (enter your own text to override the drop down menu or entered text)</p> | <p>BMP Description</p> | <p>Responsible Department/Parties (enter your own text to override the drop down menu)</p> | <p>Measurable Goal (all text can be overwritten)</p> |
|---|--|---|--|
| <p>As-built plans for on-site stormwater controls</p> | <p>Enact procedures to require submission of as-built plans and ensure long term operations and maintenance s part of the SWMP</p> | <p>UNH Facilities</p> | <p>Require submission of as-built plans for completed projects.</p> |
| <p>Target properties for reduction in impervious cover</p> | <p>Complete an inventory and priority ranking of permittee-owned property and existing infrastructure that could be retrofitted with BMPs designed to reduce the frequency, volume and pollutant loads of stormwater discharges to its MS4 through the mitigation of impervious area</p> | <p>UNH Facilities</p> | <p>Complete 4 years after effective date of permit and report annually on retrofitted properties</p> |
| <p>Determine feasibility and allow for green infrastructure implementation</p> | <p>Report assessing existing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist</p> | <p>UNH Facilities</p> | <p>Complete 4 years after effective date of permit and implement recommendations of report</p> |
| <p>Street design and parking lot guidelines</p> | <p>Report assessing requirements that affect the creation of impervious cover. The assessment will help determine if changes to design standards for streets and parking lots can be modified to support low impact design options.</p> | <p>UNH Facilities</p> | <p>Complete 4 years after effective date of permit and implement recommendations of report</p> |

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

MCM 6: Municipal Good Housekeeping and Pollution Prevention

| BMP Categorization (enter your own text to override the drop down menu or entered text) | BMP Description | Responsible Department/Parties (enter your own text to override the drop down menu) | Measurable Goal (all text can be overwritten) | Beginning Year of BMP Implementation |
|---|---|---|--|---|
| Operation and Maintenance (O&M) Procedures | Create written O&M procedures including all requirements contained in section 2.3.7.1 for parks and open spaces, buildings and facilities, and vehicles and equipment | UNH Facilities | Complete and implement 2 years after effective date of permit | Year 2 |
| Inventory all permittee-owned parks and open spaces, buildings and facilities, and vehicles and equipment | Prepare inventory | UNH Facilities | Complete 2 years after effective date of permit and update inventory annually | Year 2 |
| Infrastructure Operations and Maintenance | Establish and record annually implementation of program activities for maintenance, repair and rehabilitation of MS4 infrastructure | UNH Facilities | Complete 2 years after effective date of permit | Year 2 |
| Stormwater Pollution Prevention Plan (SWPPP) | Create SWPPPs for municipal properties or individual facilities per requirements of section 2.3.7.2 | UNH Facilities | Complete 2 years after effective date of permit | Year 2 |
| Catch basin cleaning | Establish schedule for catch basin cleaning such that each catch basin is no more than 50% full and clean catch basins on that schedule, ensure proper storage of basin cleanings | UNH Facilities | Clean catch basins on established schedule and report number of catch basins cleaned and volume of material moved annually | Year 1 |

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|--|--|----------------|--|--------|
| Street sweeping program | Sweep all (curbed) streets and permittee-owned parking lots in accordance with permit conditions | UNH Facilities | Sweep all streets and permittee-owned parking lots once per year in the spring | Year 1 |
| Road salt use optimization and winter road maintenance program | Establish and implement a program to minimize the use of road salt and evaluate opportunities for use of alternative materials | UNH Facilities | Implement salt use optimization program during deicing season | Year 2 |
| Inspections and maintenance of stormwater treatment structures | Establish and implement inspection and maintenance procedures and frequencies | UNH Facilities | Inspect and maintain treatment structures at least annually | Year 1 |
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Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

Actions for Meeting Requirements Related to Water Quality Limited Waters

Use the drop-down menus to select the pollutant causing the water quality limitation and enter the waterbody ID(s) experiencing excursions above water quality standards for that pollutant. Choose the action description from the dropdown menu and indicate the responsible party. If no options are applicable, or more than one, **enter your own text to override drop-down menus.**

| Pollutant | Waterbody ID(s) | Action Description | Responsible Department/Parties <small>(enter your own text to override the drop down menu)</small> |
|-----------|-------------------------------------|--|---|
| E. Coli | Reservoir Brook (R-10) | Adhere to requirements in part III of Appendix H | UNH Facilities |
| E. Coli | College Brook (R-09) | Adhere to requirements in part III of Appendix H | UNH Facilities |
| E. Coli | Oyster River – Chelsey Brook (R-04) | Adhere to requirements in part III of Appendix H | UNH Facilities |
| E. Coli | Oyster River – Unnamed Brook (R-05) | Adhere to requirements in part III of Appendix H | UNH Facilities |
| Chloride | Reservoir Brook (R-10) | Adhere to requirements in part IV of Appendix H | UNH Facilities |
| Chloride | College Brook (R-09) | Adhere to requirements in part IV of Appendix H | UNH Facilities |
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Part IV: Notes and additional information

Use the space below to indicate the part(s) of 2.2.2 that you have identified as not applicable to your MS4 and provide all supporting documentation below or attach additional documents if necessary.

Provide any additional information about your MS4 program below.

Additional Information

- 1) No industrial facilities / audiences exist in the MS4 defined permit area.
- 2) Documentation of ongoing efforts to reduce stormwater are available at: <https://www.unh.edu/facilities/storm-water-management>
- 3) See attached for a copy of the IPaC determination for the defined MS4 area.
- 4) See attached for a copy of the outfall map for the defined MS4 area.

Part V: Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

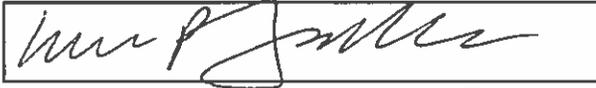
Name:

William P. Janelle

Title:

AVP Facilities & Operations

Signature:



Date:

9/19/18

[To be signed according to Appendix B, Subparagraph B.11, Standard Conditions]

Note: When prompted during signing, save the document under a new file name

| Town | AUID | AUID Label | Waterbody Name | Impairment Level | Parameter Type | Parameter Level |
|--------|-------------------|------------|--|------------------|--|-----------------|
| Durham | NHRIV600030709-09 | R*09 | LAMPREY RIVER | 5-P | Mercury | 4A-M |
| | | | | | pH | 5-P |
| | NHRIV600030902-04 | R*04 | OYSTER RIVER - CHELSEY BROOK | 5-P | Escherichia coli | 4A-P |
| | | | | | Mercury | 4A-M |
| | | | | | Oxygen, Dissolved | 5-P |
| | | | | | pH | 5-M |
| | NHRIV600030902-05 | R*05 | OYSTER RIVER - UNNAMED BROOK | 4A-P | Escherichia coli | 4A-P |
| | | | | | Mercury | 4A-M |
| | NHRIV600030902-09 | R*09 | COLLEGE BROOK | 5-M | Benthic-Macroinvertebrate Bioassessments (Streams) | 5-M |
| | | | | | Chloride | 5-M |
| | | | | | Dissolved oxygen saturation | 5-M |
| | | | | | Escherichia coli | 4A-P |
| | | | | | Mercury | 4A-M |
| | NHRIV600030902-10 | R*10 | RESERVOIR BROOK | 5-P | Benthic-Macroinvertebrate Bioassessments (Streams) | 5-M |
| | | | | | Chloride | 5-M |
| | | | | | Dissolved oxygen saturation | 5-M |
| | | | | | Escherichia coli | 4A-P |
| | | | | | Mercury | 4A-M |
| | | | | | Oxygen, Dissolved | 5-P |
| | | | | | pH | 5-M |
| | NHIMP600030902-01 | I*01 | OYSTER RIVER - OYSTER RESERVOIR | N/A | N/A | N/A |
| | NHRIV600030902-22 | R*22 | RESERVOIR BROOK | N/A | N/A | N/A |
| | NHIMP600030902-05 | I*05 | DURHAM RESERVOIR - DURHAM RESEERVOIR DAM | N/A | N/A | N/A |
| | | | | | | |



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:
Consultation Code: 05E1NE00-2018-SLI-2766
Event Code: 05E1NE00-2018-E-06472
Project Name: UNH 2018 MS4

August 15, 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.*).

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: 05E1NE00-2018-SLI-2766

Event Code: 05E1NE00-2018-E-06472

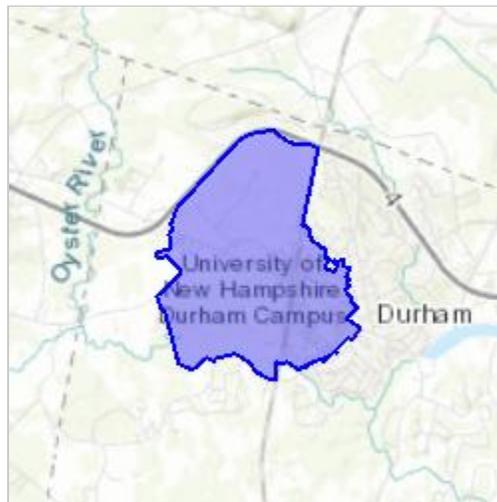
Project Name: UNH 2018 MS4

Project Type: ** OTHER **

Project Description: The location of this project is located at the University of New Hampshire at the main campus. We need to comply with our new MS4 permit, and complete a notice of intent by October 1, 2018. In order to do this we need to complete an endangered species act determination.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/43.141837993758514N70.94324694560667W>



Counties: Strafford, NH

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 |

Flowering Plants

| NAME | STATUS |
|---|------------|
| Small Whorled Pogonia <i>Isotria medeoloides</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1890 | Threatened |

Critical habitats

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

