10 V.S.A. Appendix § 10, Vermont Endangered and Threatened Species Rule

effective 2/10/2022

1.0 Authority

This rule is adopted pursuant to 10 V.S.A. Chapter 123 which provides that the Secretary “shall adopt by rule a State endangered species list and a State threatened species list,” and may “adopt rules for the protection, conservation, or recovery of endangered and threatened species.”

2.0 Purpose

The purpose of this rule is to identify and list species of wild plants and animals and designate critical habitats that have been determined by the Secretary to require protection under Vermont law. The rule also sets out a process for the issuance of permits for the taking and possession of endangered and threatened species and the destruction or adverse impact to designated critical habitat.

3.0 Definitions

3.1 "Accepted silvicultural practices" means the accepted silvicultural practices defined by the Commissioner of Forests, Parks and Recreation, including the Acceptable Management Practices for Maintaining Water Quality on Logging Jobs in Vermont adopted by the Commissioner of Forests, Parks and Recreation.

3.2 "Critical habitat" for a threatened species or endangered species means: (A) a delineated location within the geographical area occupied by the species that: (i) has the physical or biological features that are identifiable, concentrated, and decisive to the survival of a population of the species; and (ii) is necessary for the conservation or recovery of the species; and (iii) may require special management considerations or protection; or (B) a delineated location outside the geographical area occupied by a species at the time it is listed under 10 V.S.A. § 5402, Vermont Endangered and Threatened Species Rule that: (i)(I) was historically occupied by a species; or (II) contains habitat that is hydrologically connected or directly adjacent to occupied habitat; and (ii) contains habitat that is identifiable, concentrated, and decisive to the continued survival of a population of the species; and (iii) is necessary for the conservation or recovery of the species.

3.3 "Destroy or adversely impact" means, with respect to critical habitat, a direct or indirect activity that negatively affects the value of critical habitat for the survival, conservation, or recovery of a listed threatened or endangered species.

3.4 "Endangered Species" means a species that has been listed as endangered by the Secretary because the species normally occurs in the State and its continued existence as a sustainable component of the State’s wildlife or wild plants is in jeopardy, or it is listed as an "endangered species" under the federal Endangered Species Act.

3.5 "Farming" shall have the same meaning as used in 10 V.S.A. § 6001(22) of this title.

3.6 "Forestry operations" means activities related to the management of forests, including a timber harvest; pruning; planting; reforestation; pest, disease, and invasive species control; wildlife habitat management; and fertilization. "Forestry operations" include the primary processing of forest products of commercial value on a parcel where the timber harvest occurs.

3.7 "Habitat" means the physical and biological environment in which a particular species of plant or animal lives.
3.8 "Harming," as used in the definition of "take" or "taking" in this rule means: an act that kills or injures a threatened or endangered species; or the destruction or imperilment of habitat that kills or injures a threatened or endangered species by significantly impairing continued survival or essential behavioral patterns, including reproduction, feeding, or sheltering.

3.9 "Plant" means any member of the plant kingdom, including seeds, roots, and other parts thereof. As used in this rule, plants shall include fungi.

3.10 "Possession" means holding, controlling, exporting, importing, processing, selling, offering to sell, delivering, carrying, transporting, or shipping by any means a member of a species.

3.11 "Secretary" means the Secretary of the Agency of Natural Resources except where otherwise specified.

3.12 "Take and taking"

(a) With respect to wildlife designated a threatened or endangered species, means: (1) pursuing, shooting, hunting, killing, capturing, trapping, harming, snaring, or netting wildlife; (2) an act that creates a risk of injury to wildlife, whether or not the injury occurs, including harassing, wounding, or placing, setting, drawing, or using any net or other device used to take animals; or (3) attempting to engage in or assisting another to engage in an act set forth under subdivision (1) or (2) of this subdivision.

(b) With respect to a wild plant designated a threatened or endangered species, means uprooting, transplanting, gathering seeds or fruit, cutting, injuring, harming, or killing or any attempt to do the same or assisting another who is doing or attempting to do the same.

3.13 "Threatened Species" means a species that has been listed as threatened by the Secretary because the species is a sustainable component of the State’s wildlife or wild plants; it is reasonable to conclude based on available information that its numbers are declining; and unless protected, it will become an endangered species or, a species determined to be a "threatened species" under the federal Endangered Species Act.

4.0 Critical Habitat Designations

4.1 "Critical habitat," as defined in 10 V.S.A. § 5401(4) and 10 V.S.A. § 5402a, has been designated for the following locations:

(a) Three (3) Common Tern Nesting Islands.

(b) Four (4) Spiny Softshell Nesting Areas.

(c) One (1) Bat Hibernaculum.

5.0 Permits for Taking and Possession

5.1 No person shall take or possess an endangered or threatened species without a permit, unless exempt as provided for in 10 V.S.A. §5408(d) and as follows:

(a) No enforcement shall be taken, and no permit shall be required for the taking of listed threatened or endangered plants in instances where the plants are legally acquired and exist in a cultivated state or are artificially propagated (produced and grown under controlled conditions or originated from cultivated parental stock); unless the plants are cultivated or artificially
propagated as part of a recovery plan or, for mitigation purposes in accordance with a takings permit, a directive of the Secretary, or an enforcement action.

(b) Prior to requiring a permit or initiating enforcement for the taking of any threatened or endangered bee(s), the Secretary of the Agency of Natural Resources shall:

1. notify affected landowners and persons who are engaged in activities that may result in taking the threatened or endangered bees of the presence of threatened or endangered bees and the requirement to avoid taking the bees or to obtain a permit; and

2. notify and consult with affected or interested state agencies including as applicable: the Agency of Commerce and Community Development (ACCD), the Agency of Transportation (AOT), the Vermont Department of Health (VDH), and the Agency of Agriculture, Food, and Markets (AAFM) whenever the presence of bees may impact farming or the application of pesticides,

(c) Upon discovering the presence of a threatened or endangered grassland bird on or in proximity to any farm or land used for farming, the Secretary of the Agency of Natural Resources shall:

1. consult with the Secretary of the AAFM prior to requiring a taking permit or engaging in enforcement activities; and

2. ensure that the regulatory actions taken to protect the species do not cause undue interference with farming.

5.2 No person shall destroy or adversely impact the designated critical habitat of an endangered or threatened species without a permit.

5.3 Pursuant to 10 V.S.A. §5408(a) the Secretary may, after receiving the advice of the Endangered Species Committee, grant permits for the taking and possession of an endangered or threatened species:

(a) for scientific purposes;

(b) to enhance the propagation or survival of species;

(c) for zoological exhibition;

(d) for educational purposes;

(e) for noncommercial cultural or ceremonial purposes; or,

(f) for a special purpose consistent with the purpose of the Federal Endangered Species Act (see 16 U.S.C. §1531(b)).

5.4 Pursuant to 10 V.S.A. §5408(b), the Secretary may allow the incidental take of a threatened or endangered species or the destruction or adverse impact to critical habitat only if:

(a) the taking is necessary to conduct an otherwise lawful activity;

(b) the taking or the destruction and impact to the critical habitat, is attendant or secondary to, and not the purpose of, the lawful activity;

(c) the impact of the permitted incidental take or impact to critical habitat is minimized; and

(d) the incidental taking or the impact to critical habitat will not impair the conservation or recovery of any endangered species or threatened species.
5.5 An applicant for a Taking and Possession permit shall submit an administratively complete application to the Secretary, specifying for which purpose(s) the permit is required, as listed in 10 V.S.A. §5408(a) and (b). The permit application shall include:

(a) a description of the activities that could lead to a taking of a listed threatened or endangered species or the destruction of or adverse impact on critical habitat;

(b) the steps that the applicant has or will take to avoid, minimize, and mitigate the impact to the relevant threatened or endangered species or critical habitat;

(c) a plan for ensuring that funding is available to conduct any required monitoring and mitigation, if applicable;

(d) a summary of the alternative actions to the taking or destruction of critical habitat that the applicant considered and the reasons that these alternatives were not selected, if applicable;

(e) the name or names and obligations and responsibilities of the person or persons that will be involved in the proposed taking or destruction of critical habitat;

(f) a description of the possible impacts due to the proposed action, and as applicable a plan for conservation or mitigation;

(g) permit fees and mitigation funding, if applicable; and

(h) any additional information that the Secretary may require.

5.6 Avoidance and Minimization

(a) Applicants for Taking and Possession permits shall have the burden to show that reasonable steps have been taken to avoid and minimize takings. The Applicant must provide information that demonstrates:

(1) The proposed activity cannot practicably be designed to avoid taking or the destruction or adverse impact to critical habitat, and still satisfy the basic project purpose; and

(2) If avoidance of taking of a listed species or the destruction or adverse impact to critical habitat, cannot practicably be achieved, the proposed activity has been planned to minimize adverse impacts on the listed species.

(b) The Secretary may require an applicant to submit additional information that the Secretary considers necessary to make a decision on the issuance or denial of a permit. The Secretary may dismiss the application without prejudice if the requested information is not provided to the Secretary within sixty (60) days of the Secretary’s request.

(c) In determining whether the burden has been met, the Secretary shall evaluate the potential effect of any proposed activity on the basis of both its direct and immediate effects, as well as on the basis of any cumulative or on-going effects on the listed species.

(d) The Secretary may develop, and require the implementation of, best management practices (BMPs) to avoid and minimize the taking of threatened and endangered species. The Secretary shall consult with the AAFM, the AOT, VDH, and any other interested state agency prior to finalizing the BMPs.

5.7 Mitigation

The Secretary may require the implementation of mitigation strategies and may collect mitigation funds, in addition to the permit fees, in order to mitigate the impacts of a taking or the destruction
of or adverse impact on critical habitat. Provided that the mitigation is commensurate with the taking or adverse impact proposed, mitigation may include:

(a) a requirement to rectify the taking or adverse impact or to reduce the adverse impact over time;

(b) a requirement to manage or restore land within the area of the proposed activity or in an area outside the proposed area as habitat for the threatened or endangered species including, treatment of conserved areas for the purposes of restoration or propagation of listed species;

(c) compensation, including payment into the Threatened and Endangered Species Fund for the uses of that Fund; or

(d) permanent conservation of habitat in which the same species exists, and ongoing monitoring of conserved areas.

5.8  Hearings

(a) The Secretary may conduct a non-adversarial, public hearing in order to evaluate the application. Such a hearing will be held within 60 (sixty) days of the receipt of the administratively complete application.

(b) When a petition has been denied and no public hearing has been held, the Applicant may request in writing to the Secretary that a hearing be held regarding the proposed activity. The Secretary will conduct a hearing within 30 (thirty) days of receipt of the request.

5.9  The Secretary may require, as part of an issued permit, conditions for the protection and conservation of endangered species.

5.10  The Secretary shall inform an applicant of a decision to approve or deny a permit no more than 60 (sixty) days following an application being deemed administratively complete unless the Secretary determines there is just cause.

5.11  The Secretary maintains continuing jurisdiction over activity permitted under this rule and may, at any time, order the permittee to undertake remedial measures to ensure the protection and conservation of listed species.
## 6.0 Listing

6.1 The following list of plants and animals is adopted as the Vermont Endangered and Threatened Species List pursuant to 10 V.S.A., chapter 123.

<table>
<thead>
<tr>
<th>Group</th>
<th>Family</th>
<th>English Name</th>
<th>Scientific Name</th>
<th>Author</th>
<th>Date Listed</th>
<th>Status</th>
<th>Previously Listed As</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.2 Plants</td>
<td>Apiaceae-Carrot Family</td>
<td>Long-styled Snakeroot</td>
<td>Sanicula canadensis var. grandis</td>
<td>Fern.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Apiaceae-Carrot Family</td>
<td>Yellow Pimpernel</td>
<td>Taenidia integerrima</td>
<td>(L.) Drude</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Apocynaceae-Dogbane Family</td>
<td>Blunt-leaved Milkweed</td>
<td>Asclepias amplexicaulis</td>
<td>Sm.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Apocynaceae-Dogbane Family</td>
<td>Butterfly-weed</td>
<td>Asclepias tuberosa ssp. tuberosa</td>
<td>L.</td>
<td>04-13-1987</td>
<td>T</td>
<td>Asclepias tuberosa L.</td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Araceae-Arum Family</td>
<td>Green Dragon</td>
<td>Arisaema dracontium</td>
<td>(L.) Schott</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Aspleniaceae-Spleenwort Family</td>
<td>Mountain Spleenwort</td>
<td>Asplenium montanum</td>
<td>Willd.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Aspleniaceae-Spleenwort Family</td>
<td>Green Spleenwort</td>
<td>Asplenium viride</td>
<td>Huds.</td>
<td>04-13-1987</td>
<td>T</td>
<td>Asplenium trichomanes-ramosum L.</td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Asteraceae-Aster Family</td>
<td>Harsh Sunflower</td>
<td>Helianthus strumosus</td>
<td>L.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Asteraceae-Aster Family</td>
<td>Hairy Lettuce</td>
<td>Lactuca hirsuta</td>
<td>Muhl. ex Nutt.</td>
<td>12-07-1994</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Asteraceae-Aster Family</td>
<td>Sweet Coltsfoot</td>
<td>Petasites frigidus var. palmatus</td>
<td>(Ait.) Cronq.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Betulaceae-Birch Family</td>
<td>Dwarf Birch</td>
<td>Betula minor</td>
<td>(Tuckerman) Fern.</td>
<td>03-28-2015</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Blechnaceae-Chain-fern Family</td>
<td>Virginia Chain-fern</td>
<td>Woodwardia virginica</td>
<td>(L.) Sm.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Vermont Endangered and Threatened Species Rule

<table>
<thead>
<tr>
<th>Group</th>
<th>Family</th>
<th>English Name</th>
<th>Scientific Name</th>
<th>Author</th>
<th>Date Listed</th>
<th>Status</th>
<th>Previously Listed As</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.2 Plants</td>
<td>Boraginaceae-Borage Family</td>
<td>Northern Wild Comfrey</td>
<td>Carex atratiformis</td>
<td>(Gray) A. &amp; D. Löve</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Boraginaceae-Borage Family</td>
<td>Nodding Stickseed</td>
<td>Carex arcta</td>
<td>(Fred.) Boott</td>
<td>04-13-1987</td>
<td>T</td>
<td>Hackelia deflexa var. americana (Gray) Fern. &amp; I.M. Johnston</td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Brassicaceae-Mustard Family</td>
<td>Lyre-leaved Rock-cress</td>
<td>Arabidopsis lyrata</td>
<td>(L.) O'Kane &amp; Al-Shellbazu</td>
<td>04-13-1987</td>
<td>T</td>
<td>Arabis lyrata L.</td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Brassicaceae-Mustard Family</td>
<td>Drummond's Rock-cress</td>
<td>Boechera stricta</td>
<td>(Graham) Al-Shellbazu</td>
<td>11-09-1991</td>
<td>E</td>
<td>Arabis drummondii A. Gray</td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Brassicaceae-Mustard Family</td>
<td>Hoary Draba</td>
<td>Draba cana</td>
<td>Rydb.</td>
<td>04-13-1987</td>
<td>T</td>
<td>Draba breviflora var. cana (Ryd.) Rollins</td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Brassicaceae-Mustard Family</td>
<td>Smooth Draba</td>
<td>Draba glabella</td>
<td>Pursh</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Caryophyllaceae-Pink Family</td>
<td>A Moss</td>
<td>Plagiobryum zieri</td>
<td>(Heedw.) Lindb.</td>
<td>06-23-1989</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Caryophyllaceae-Pink Family</td>
<td>Squashberry</td>
<td>Viburnum edule</td>
<td>(Michx.) Raf.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Caryophyllaceae-Pink Family</td>
<td>Marseescent Sandwort</td>
<td>Minuartia marcescens</td>
<td>(Fern.) House</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Caryophyllaceae-Pink Family</td>
<td>Marble Sandwort</td>
<td>Minuartia rubella</td>
<td>(Wahlenb.) Hiern</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Cistaceae-Rock-rose Family</td>
<td>Plains Frostweed</td>
<td>Crocanthemum bicknellii</td>
<td>(Fernald) Janchen</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Cistaceae-Rock-rose Family</td>
<td>Beach Heather</td>
<td>Hudsonia tomentosa</td>
<td>Nutt.</td>
<td>04-13-1987</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Cistaceae-Rock-rose Family</td>
<td>Hairy Pinweed</td>
<td>Lechea mucronata</td>
<td>Raf.</td>
<td>11-09-1991</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Convolvulaceae-Morning-glory Family</td>
<td>Low Bindweed</td>
<td>Calystegia spithamae ssp. spithamae</td>
<td>(L.) Pursh</td>
<td>04-13-1987</td>
<td>T</td>
<td>Calystegia spithamae (L.) Pursh</td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Cornaceae-Dogwood Family</td>
<td>Flowering Dogwood</td>
<td>Cornus florida</td>
<td>L.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Capressaceae-Cypress Family</td>
<td>Creeping Juniper</td>
<td>Juniperus horizontalis</td>
<td>Moench</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Cyperaceae-Sedge Family</td>
<td>Contracted Sedge</td>
<td>Carex arcta</td>
<td>(Bost.)</td>
<td>11-09-1991</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Cyperaceae-Sedge Family</td>
<td>Blackish Sedge</td>
<td>Carex atratiformis</td>
<td>Britton</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Group</td>
<td>Family</td>
<td>EnglishName</td>
<td>ScientificName</td>
<td>Author</td>
<td>DateListed</td>
<td>Status</td>
<td>PreviouslyListedAs</td>
<td>Notes</td>
</tr>
<tr>
<td>-------</td>
<td>--------</td>
<td>------------</td>
<td>----------------</td>
<td>--------</td>
<td>------------</td>
<td>--------</td>
<td>---------------------</td>
<td>-------</td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Cyperaceae-Sedge Family</td>
<td>Buxbaum's Sedge</td>
<td>Carex buxbaumii</td>
<td>Wahlenb.</td>
<td>04-13-1987</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Cyperaceae-Sedge Family</td>
<td>Capillary Sedge</td>
<td>Carex capillaris ssp. capillaris</td>
<td>L.</td>
<td>04-13-1987</td>
<td>T</td>
<td>Carex capillaris L.</td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Cyperaceae-Sedge Family</td>
<td>Creeping Sedge</td>
<td>Carex chordorrhiza</td>
<td>Ehrh. ex L. f.</td>
<td>11-09-1991</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Cyperaceae-Sedge Family</td>
<td>Bronze Sedge</td>
<td>Carex foenea</td>
<td>Willd.</td>
<td>11-09-1991</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Cyperaceae-Sedge Family</td>
<td>Garber's Sedge</td>
<td>Carex garberi</td>
<td>Fern.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Cyperaceae-Sedge Family</td>
<td>Houghton’s Sedge</td>
<td>Carex houghtoniana</td>
<td>Torr. ex Dewey</td>
<td>02-10-2022</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Cyperaceae-Sedge Family</td>
<td>Pale Sedge</td>
<td>Carex livida</td>
<td>(Wahlenb.) Willd.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Cyperaceae-Sedge Family</td>
<td>Few-fruited Sedge</td>
<td>Carex oligocarpa</td>
<td>Schkuhr ex Willd.</td>
<td>11-09-1991</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Cyperaceae-Sedge Family</td>
<td>Richardson's Sedge</td>
<td>Carex richardsonii</td>
<td>R. Br.</td>
<td>04-13-1987</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Cyperaceae-Sedge Family</td>
<td>Hay Sedge</td>
<td>Carex siccata</td>
<td>Dewey</td>
<td>11-09-1991</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Cyperaceae-Sedge Family</td>
<td>Sheathed Sedge</td>
<td>Carex vaginata</td>
<td>Tausch</td>
<td>11-09-1991</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Cyperaceae-Sedge Family</td>
<td>Low Flatsedge</td>
<td>Cyperus diandrus</td>
<td>Torr.</td>
<td>06-23-1989</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Cyperaceae-Sedge Family</td>
<td>Houghton's Flatsedge</td>
<td>Cyperus houghtonii</td>
<td>Torr.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Cyperaceae-Sedge Family</td>
<td>Few-flowered Spikerush</td>
<td>Eleocharis quinqueflora</td>
<td>(F.X. Hartmann) Schwarc</td>
<td>04-13-1987</td>
<td>T</td>
<td>Eleocharis pauciflora (Lightf.) Link</td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Cyperaceae-Sedge Family</td>
<td>Autumn Fimbrystisly</td>
<td>Fimbrystisly autumnalis</td>
<td>(L.) Roemer &amp; J.A. Schultes</td>
<td>11-09-1991</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Cyperaceae-Sedge Family</td>
<td>Capillary Beak-rush</td>
<td>Rhynechospora capillacea</td>
<td>Torr.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Cyperaceae-Sedge Family</td>
<td>Barbed-bristle Bulrush</td>
<td>Scirpus ancistrochaetus</td>
<td>Schuyler</td>
<td>11-09-1991</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Cyperaceae-Sedge Family</td>
<td>Bushful Bulrush</td>
<td>Trichophorum planifolium</td>
<td>(Spreng.) Pall</td>
<td>11-09-1991</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Diapensiaceae-Diapensia Family</td>
<td>Diapensia</td>
<td>Diapensia lapponica ssp. lapponica</td>
<td>L.</td>
<td>04-13-1987</td>
<td>T</td>
<td>Diapensiaceae</td>
<td>Diapensia lapponica L.</td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Dryopteridaceae-Wood-fern Family</td>
<td>Male Fern</td>
<td>Dryopteris filix-mas ssp. brittonii</td>
<td>Fraser-Jenkins &amp; Widen</td>
<td>04-13-1987</td>
<td>T</td>
<td>Dryopteris filix-mas (L.) Schott</td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Dryopteridaceae-Wood-fern Family</td>
<td>Alpine Woodsi</td>
<td>Woodsi alpina</td>
<td>(Bolton) S.F. Gray</td>
<td>04-13-1987</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Equisetaceae-Horsetail Family</td>
<td>Marsh Horsetail</td>
<td>Equisetum palustre</td>
<td>L.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Ericaceae-Heath Family</td>
<td>Pinedrops</td>
<td>Pterospora andromedea</td>
<td>Nutt.</td>
<td>11-09-1991</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Group</td>
<td>Family</td>
<td>English Name</td>
<td>Scientific Name</td>
<td>Author</td>
<td>Date Listed</td>
<td>Status</td>
<td>Previously Listed As</td>
<td>Notes</td>
</tr>
<tr>
<td>-------</td>
<td>--------</td>
<td>--------------</td>
<td>----------------</td>
<td>--------</td>
<td>-------------</td>
<td>--------</td>
<td>----------------------</td>
<td>-------</td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Ericaceae-Heath Family</td>
<td>Great Laurel</td>
<td>Rhododendron maximum</td>
<td>L.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Ericaceae-Heath Family</td>
<td>Deerberry</td>
<td>Vaccinium stamineum</td>
<td>L.</td>
<td>12-07-1994</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Fabaceae-Pea Family</td>
<td>Canada Milk-vetch</td>
<td>Astragalus canadensis var. canadensis</td>
<td>L.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Fabaceae-Pea Family</td>
<td>Jesup's Milk-vetch</td>
<td>Astragalus robbinsii var. jesupii</td>
<td>Eggles. &amp; Sheldon</td>
<td>04-13-1987</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Fabaceae-Pea Family</td>
<td>Rattlebox</td>
<td>Crotalaria sagittalis</td>
<td>L.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Fabaceae-Pea Family</td>
<td>Large-bracted Tick-trefoil</td>
<td>Desmodium cuspidatum</td>
<td>(Muhl. ex Willd.) DC. ex Loud.</td>
<td>11-09-1991</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Fabaceae-Pea Family</td>
<td>Prostrate Tick-trefoil</td>
<td>Desmodium rotundifolium</td>
<td>DC.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Fabaceae-Pea Family</td>
<td>Beach Pea</td>
<td>Lathyrus japonicus var. maritimus</td>
<td>(L.) Karstesz &amp; Gandhi</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Fabaceae-Pea Family</td>
<td>Marsh Vetchling</td>
<td>Lathyrus palustris</td>
<td>L.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Fabaceae-Pea Family</td>
<td>Violet Bush-clover</td>
<td>Lespedeza frutescens</td>
<td>(L.) Hornem.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Fabaceae-Pea Family</td>
<td>Hairy Bush-clover</td>
<td>Lespedeza hirta ssp. hirta</td>
<td>(L.) Hornem.</td>
<td>11-09-1991</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Fabaceae-Pea Family</td>
<td>Wild Lupine</td>
<td>Lupinus perennis ssp. perennis</td>
<td>L.</td>
<td>03-18-1999</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Fabaceae-Pea Family</td>
<td>Wild Senna</td>
<td>Senna hebecarpa</td>
<td>(Fern.) Irwin &amp; Barneby</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Fabaceae-Beech Family</td>
<td>Scrub Oak</td>
<td>Quercus ilicifolia</td>
<td>Wangenh.</td>
<td>11-09-1991</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Fabaceae-Beech Family</td>
<td>Dwarf Chinquapin Oak</td>
<td>Quercus prinoides</td>
<td>Will.</td>
<td>04-23-2005</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Gentianaceae-Gentian Family</td>
<td>Fringe-top Closed Gentian</td>
<td>Gentiana andrewsii</td>
<td>Griseb.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Gentianaceae-Gentian Family</td>
<td>Felwort</td>
<td>Gentianella amarella ssp. acuta</td>
<td>(Michx.) J. Gillett</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Gentianaceae-Gentian Family</td>
<td>Stiff Gentian</td>
<td>Gentianella quinquefolia</td>
<td>(L.) Small</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Hydrophyllaceae-Waterleaf Family</td>
<td>Broad-leaved Waterleaf</td>
<td>Hydrophyllum canadense</td>
<td>L.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Isoetaceae-Quillwort Family</td>
<td>Engelmann's Quillwort</td>
<td>Isoetes engelmannii</td>
<td>A. Braun</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Group</td>
<td>Family</td>
<td>EnglishName</td>
<td>ScientificName</td>
<td>Author</td>
<td>DateListed</td>
<td>Status</td>
<td>PreviouslyListedAs</td>
<td>Notes</td>
</tr>
<tr>
<td>-------</td>
<td>-------------------------</td>
<td>----------------------</td>
<td>----------------</td>
<td>-------------------</td>
<td>------------</td>
<td>--------</td>
<td>---------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Juncaginaceae-Arrow-grass Family</td>
<td>Common Arrow-grass</td>
<td>Triglochin maritima</td>
<td>L.</td>
<td>02-16-2011</td>
<td>E</td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Lamiaceae-Mint Family</td>
<td>Yellow Giant Hyssop</td>
<td>Agastache nepetoides</td>
<td>(L.) Kuntze</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Lamiaceae-Mint Family</td>
<td>Purple Giant Hyssop</td>
<td>Agastache scrophulariifolia</td>
<td>(Willd.) Kuntze</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Lamiaceae-Mint Family</td>
<td>Smooth Wood-mint</td>
<td>Blephilia hirsuta var. glabrate</td>
<td>Fern.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Lamiaceae-Mint Family</td>
<td>Hairy Wood-mint</td>
<td>Blephilia hirsuta var. hirsuta</td>
<td>(Pursh) Benth.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Lamiaceae-Mint Family</td>
<td>American Dragonhead</td>
<td>Dracocephalum parviflorum</td>
<td>Nutt.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Lamiaceae-Mint Family</td>
<td>Obedient Plant</td>
<td>Physostegia virginiana ssp. virginiana</td>
<td>(L.) Benth.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Lamiaceae-Mint Family</td>
<td>Hoary Mountain-mint</td>
<td>Pycnanthemum incanum var. incanum</td>
<td>(L.) Michx.</td>
<td>11-09-1991</td>
<td>E</td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Lamiaceae-Mint Family</td>
<td>Northeastern Bladderwort</td>
<td>Utricularia resupinata</td>
<td>B.D. Greene ex Bigelow</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Liliaceae-Lily Family</td>
<td>Wild Garlic</td>
<td>Allium canadense var. canadense</td>
<td>L.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Lilieaeae-Lily Family</td>
<td>White Camas</td>
<td>Anticlea elegans ssp. glauca</td>
<td>(Nutt.) A. Haines</td>
<td>11-15-2012</td>
<td>E</td>
<td>Anticlea glauca (Nutt.) Kunth</td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Lygodiaceae-Climbing Fern Family</td>
<td>Climbing Fern</td>
<td>Lygodium palmatum</td>
<td>(Bernh.) Sw.</td>
<td>04-13-1987</td>
<td>E</td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Magnoliaceae-Magnolia Family</td>
<td>Tulip Tree</td>
<td>Liriodendron tulipifera</td>
<td>L.</td>
<td>03-28-2015</td>
<td>E</td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Melastomataceae-Melastome Family</td>
<td>Virginia Meadow-beauty</td>
<td>Rubia virginica</td>
<td>L.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Moraceae-Mulberry Family</td>
<td>Red Mulberry</td>
<td>Morus rubra</td>
<td>L.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Nymphaeaceae-Water-lily Family</td>
<td>Dwarf Water-lily</td>
<td>Nymphaea leibergii</td>
<td>Morong</td>
<td>04-23-2005</td>
<td>E</td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Onagraceae-Evening-prinrose Family</td>
<td>Many-fruited False-loosestrife</td>
<td>Ludwigia polycarpa</td>
<td>Short &amp; Peter</td>
<td>04-13-1987</td>
<td>E</td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Ophioglossaceae-Adder's-tongue Family</td>
<td>Mingan Moonwort</td>
<td>Botrychium minganense</td>
<td>Victorin</td>
<td>02-16-2011</td>
<td>E</td>
<td></td>
</tr>
<tr>
<td>Group</td>
<td>Family</td>
<td>English Name</td>
<td>Scientific Name</td>
<td>Author</td>
<td>Date Listed</td>
<td>Status</td>
<td>Previously Listed As</td>
<td>Notes</td>
</tr>
<tr>
<td>-------</td>
<td>--------</td>
<td>--------------</td>
<td>-----------------</td>
<td>--------</td>
<td>-------------</td>
<td>--------</td>
<td>----------------------</td>
<td>-------</td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Orchidaceae-Orchid Family</td>
<td>Putty-root</td>
<td>Aplectrum hyemale</td>
<td>(Muhl. ex Willd.) Torr.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Orchidaceae-Orchid Family</td>
<td>Arethusa</td>
<td>Arethusa bulbosa</td>
<td>L.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Orchidaceae-Orchid Family</td>
<td>Fairy Slipper</td>
<td>Calypso bulbosa var. americana</td>
<td>(R. Br. ex Ait. f.) Luer</td>
<td>04-13-1987</td>
<td>T</td>
<td>Calypso bulbosa (L.) Oakes</td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Orchidaceae-Orchid Family</td>
<td>Ram's Head Lady's-slipper</td>
<td>Cyripedium arietinum</td>
<td>Ait. f.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Orchidaceae-Orchid Family</td>
<td>Small Whorled Pogonia</td>
<td>Isotria medeoloides</td>
<td>(Pursh) Raf.</td>
<td>11-09-1991</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Orchidaceae-Orchid Family</td>
<td>Large Whorled Pogonia</td>
<td>Isotria verticillata</td>
<td>Raf.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Orchidaceae-Orchid Family</td>
<td>White Adder's-mouth</td>
<td>Malaxis monophyllos var. brachypoda</td>
<td>(Gray) F. Morris &amp; Eames</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Orchidaceae-Orchid Family</td>
<td>Tubercled Orchid</td>
<td>Platanthera flava var. herbiola</td>
<td>(R. Br. ex Ait. f.) Luer</td>
<td>04-13-1987</td>
<td>T</td>
<td>Platanthera flava (L.) Lindl.</td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Orchidaceae-Orchid Family</td>
<td>Hooker's Orchid</td>
<td>Platanthera hookeri</td>
<td>(Torr. ex Gray) Lindl.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Orchidaceae-Orchid Family</td>
<td>Three-bird Orchid</td>
<td>Triphora trianthophoros ssp. trianthophoros</td>
<td>(Sw.) Rydb.</td>
<td>04-13-1987</td>
<td>T</td>
<td>Triphora trianthophoros (Sw.) Rydb.</td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Orobanchaceae-Cancer-root Family</td>
<td>Pale Painted-cup</td>
<td>Castilleja septentrionalis</td>
<td>Lindl.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Papaveraceae-Poppy Family</td>
<td>Golden Corydalis</td>
<td>Corydalis aurea</td>
<td>Willd.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Plantaginaceae-Plantain Family</td>
<td>Mare's-tail</td>
<td>Hippuris vulgaris</td>
<td>L.</td>
<td>11-09-1991</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Plantaginaceae-Plantain Family</td>
<td>Culver's-root</td>
<td>Veronicastrum virginicum</td>
<td>(L.) Farw.</td>
<td>04-13-1987</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Poaceae-Grass Family</td>
<td>Champlain Beach Grass</td>
<td>Ammophila breviligulata ssp. champlainensis</td>
<td>(Seymour) P.J. Walker, C.A. Paris &amp; Barrington ex Barkworth</td>
<td>04-13-1987</td>
<td>E</td>
<td>Ammophila champlainensis Seymour</td>
<td></td>
</tr>
<tr>
<td>Group</td>
<td>Family</td>
<td>English Name</td>
<td>Scientific Name</td>
<td>Author</td>
<td>Date Listed</td>
<td>Status</td>
<td>Previously Listed As</td>
<td>Notes</td>
</tr>
<tr>
<td>-------</td>
<td>--------</td>
<td>--------------</td>
<td>----------------</td>
<td>--------</td>
<td>-------------</td>
<td>--------</td>
<td>----------------------</td>
<td>-------</td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Poaceae-Grass Family</td>
<td>Alpine Sweet-grass</td>
<td>Anthoxanthum monticola ssp. monticola</td>
<td>(Bigelow) Veldkamp</td>
<td>04-13-1987</td>
<td>T</td>
<td>Hierochloe alpina (Swartz) R. &amp; S.; Anthoxanthum monticola (Bigelow) Veldkamp</td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Poaceae-Grass Family</td>
<td>Pickering's Reed-grass</td>
<td>Calamagrostis pickeringii</td>
<td>(Gray) C.W. Greene</td>
<td>02-16-2011</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Poaceae-Grass Family</td>
<td>Bentgrass</td>
<td>Calamagrostis stricta ssp. inexpansa</td>
<td>(Gray) C.W. Greene</td>
<td>11-09-1991</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Poaceae-Grass Family</td>
<td>Stiff Witch-grass</td>
<td>Panicum flexile</td>
<td>(Gattinger) Scribn.</td>
<td>11-09-1991</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Poaceae-Grass Family</td>
<td>Slender Mountain-rice</td>
<td>Piptatheropsis pungens</td>
<td>(Torr.) Romasch., P.M. Peterson &amp; Soreng</td>
<td>11-09-1991</td>
<td>T</td>
<td>Oryzopsis pungens (Torr.) Hitchc.; Piptatherum pungens (Torr ex Spreng.) Dorn</td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Poaceae-Grass Family</td>
<td>Shiny Wedgegrass</td>
<td>Sphenopholis nitida</td>
<td>(Biehler) Scribn.</td>
<td>11-09-1991</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Poaceae-Grass Family</td>
<td>Blunt Sphenopholis</td>
<td>Sphenopholis obtusata</td>
<td>(Michx.) Scribn.</td>
<td>11-09-1991</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Poaceae-Grass Family</td>
<td>Rough Dropseed</td>
<td>Sporobolus compositus var. compositus</td>
<td>(Poir.) Merr.</td>
<td>04-13-1987</td>
<td>E</td>
<td>Sporobolus compositus (Poir.) Merr.; Sporobolus asper (Michx.) Kunth</td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Poaceae-Grass Family</td>
<td>Eight-flowered Fescue</td>
<td>Vulpia octoflora var. tenella</td>
<td>(Willd.) Fern.</td>
<td>11-09-1991</td>
<td>E</td>
<td>Vulpia octoflora (Walt.) Rydb.</td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Polemoniaceae-Phlox Family</td>
<td>Eastern Jacob's Ladder</td>
<td>Polemonium vanbruntiae</td>
<td>Britt.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Polygonaceae-Buckwheat Family</td>
<td>Douglas' Knotweed</td>
<td>Polygonum douglasii</td>
<td>Greene</td>
<td>11-09-1991</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Primulaceae-Primrose Family</td>
<td>Bird's-eye Primrose</td>
<td>Primula mistassinica</td>
<td>Michx.</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Pteridaceae-Maidenhair-fern Family</td>
<td>Green Mountain Maidenhair-fern</td>
<td>Adiantum viridimontanum</td>
<td>Paris</td>
<td>12-07-1994</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Ranunculaceae-Buttercup Family</td>
<td>Golden-seal</td>
<td>Hydrastis canadensis</td>
<td>L.</td>
<td>04-13-1987</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Ranunculaceae-Buttercup Family</td>
<td>Allegheny Crowfoot</td>
<td>Ranunculus allegheniensis</td>
<td>Britt.</td>
<td>11-09-1991</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2 Plants</td>
<td>Ranunculaceae-Buttercup Family</td>
<td>Rue-anemone</td>
<td>Thalictrum thalictroides</td>
<td>(L.) Eames &amp; Boivin</td>
<td>02-10-2022</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Group</td>
<td>Family</td>
<td>EnglishName</td>
<td>ScientificName</td>
<td>Author</td>
<td>DateListed</td>
<td>Status</td>
<td>PreviouslyListedAs</td>
<td>Notes</td>
</tr>
<tr>
<td>-------</td>
<td>---------------------------------------------</td>
<td>---------------------</td>
<td>------------------------</td>
<td>-------------</td>
<td>----------------</td>
<td>--------</td>
<td>---------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Rhamnaceae-Buckthorn Family</td>
<td>Prairie Redroot</td>
<td>Ceanothus herbaceus</td>
<td>04-13-1987</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Rosaceae-Rose Family</td>
<td>Northern Cinquefoil</td>
<td>Potentilla litoralis</td>
<td>11-09-1991</td>
<td>E</td>
<td></td>
<td>Potentilla pensylvanica var. bipinnatifida (Douglas) T. &amp; G.</td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Rosaceae-Rose Family</td>
<td>Wild Plum</td>
<td>Prunus americana</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Rosaceae-Rose Family</td>
<td>Susquehanna Sand Cherry</td>
<td>Prunus susquehannae</td>
<td>11-16-2012</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Rubiaceae-Madder Family</td>
<td>Bog Bedstraw</td>
<td>Salix labradoricum</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Saliaceae-Willow Family</td>
<td>Tea-leaved Willow</td>
<td>Salix planifolia ssp. planifolia</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td>Salix planifolia Pursh</td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Saliaceae-Willow Family</td>
<td>Bearberry Willow</td>
<td>Salix uva-ursi</td>
<td>04-13-1987</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Scheuchzeriaceae-Scheuchzeria Family</td>
<td>Pod-grass</td>
<td>Scheuchzeria palustris</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Sparganiaceae-Bur-reed Family</td>
<td>Lesser Burreed</td>
<td>Sparganium natans</td>
<td>11-09-1991</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Sphagnaceae-Sphagnum Family</td>
<td>A Peatmoss</td>
<td>Sphagnum subfulvum</td>
<td>06-23-1989</td>
<td>E</td>
<td></td>
<td>Sphagnum nitidum Warnstorf</td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Tofieldiaceae-False Asphodel Family</td>
<td>Sticky False-asphodel</td>
<td>Trianthia glutinosa (Michx.) Baker</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td>Tofieldia glutinosa (Michx.) Baker</td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Ulmaceae-Elm Family</td>
<td>Cork Elm (Rock Elm)</td>
<td>Ulmus thomasi</td>
<td>02-16-2011</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Valerianaceae-Valerian Family</td>
<td>Marsh Valerian</td>
<td>Valeriana uliginosa (Torr. &amp; Gray) Rydb.</td>
<td>04-13-1987</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Violaceae-Violet Family</td>
<td>Lance-leaved Violet</td>
<td>Viola lanceolata ssp. lanceolata</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td>Viola lanceolata L.</td>
</tr>
<tr>
<td>6.2</td>
<td>Plants</td>
<td>Xyridaceae-Yellow-eyed-grass Family</td>
<td>Northern Yellow-eyed-grass</td>
<td>Xyris montana</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.3</td>
<td>Amphipods</td>
<td>Crangonyctidae-A Gammarid Amphipod Family</td>
<td>Taconic Cave Amphipod</td>
<td>Stygobromus borealis</td>
<td>12-07-1994</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.4.1</td>
<td>Insects</td>
<td>Apidae-Bee Family</td>
<td>Rusty-patched Bumble Bee</td>
<td>Bombus affinis</td>
<td>03-28-2016</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.4.1</td>
<td>Insects</td>
<td>Apidae-Bee Family</td>
<td>Ashton Cuckoo Bumble Bee</td>
<td>Bombus ashtoni</td>
<td>03-28-2015</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.4.1</td>
<td>Insects</td>
<td>Apidae-Bee Family</td>
<td>American Bumble Bee</td>
<td>Bombus pensylvanicus</td>
<td>02-10-2022</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.4.1</td>
<td>Insects</td>
<td>Apidae-Bee Family</td>
<td>Yellow-banded Bumble Bee</td>
<td>Bombus terricola</td>
<td>03-28-2016</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.4.4</td>
<td>Insects</td>
<td>Carabidae-Ground Beetle Family</td>
<td>Hairy-necked Tiger Beetle</td>
<td>Cicindela hirticollis</td>
<td>12-07-1994</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Group</td>
<td>Family</td>
<td>English Name</td>
<td>Scientific Name</td>
<td>Author</td>
<td>Date Listed</td>
<td>Status</td>
<td>Previously Listed As</td>
<td>Notes</td>
</tr>
<tr>
<td>------------</td>
<td>----------------------</td>
<td>-------------------------------</td>
<td>-----------------------------</td>
<td>------------</td>
<td>-------------</td>
<td>--------</td>
<td>----------------------</td>
<td>------------------------------------</td>
</tr>
<tr>
<td>6.4.4 Insects</td>
<td>Carabidae-Ground Beetle Family</td>
<td>Cobblestone Tiger Beetle</td>
<td>Cicindela marginipennis</td>
<td></td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.4.4 Insects</td>
<td>Carabidae-Ground Beetle Family</td>
<td>Puritan Tiger Beetle</td>
<td>Ellipsopetera puritana</td>
<td></td>
<td>12-07-1994</td>
<td>T</td>
<td></td>
<td>Cicindela puritana</td>
</tr>
<tr>
<td>6.5 Mollusks</td>
<td>Margaritiferidae-Pearl Mussel Family</td>
<td>Eastern Pearlshell</td>
<td>Margaritifera margaritifera</td>
<td></td>
<td>12-07-1994</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.5 Mollusks</td>
<td>Unionidae-Unionid Mussel Family</td>
<td>Brook Floater</td>
<td>Alasmidonta varicosa</td>
<td></td>
<td>02-10-2022</td>
<td>E</td>
<td></td>
<td>Listed as Threatened on 12-07-1994.</td>
</tr>
<tr>
<td>6.5 Mollusks</td>
<td>Unionidae-Unionid Mussel Family</td>
<td>Cylindrical Papershell</td>
<td>Anodontoides ferussacianus</td>
<td></td>
<td>03-18-1999</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.5 Mollusks</td>
<td>Unionidae-Unionid Mussel Family</td>
<td>Pocketbook</td>
<td>Lampsilis ovata</td>
<td></td>
<td>03-18-1999</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.5 Mollusks</td>
<td>Unionidae-Unionid Mussel Family</td>
<td>Flutedshell</td>
<td>Lasmigona costata</td>
<td></td>
<td>03-18-1999</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.5 Mollusks</td>
<td>Unionidae-Unionid Mussel Family</td>
<td>Fragile Papershell</td>
<td>Leptodea fragilis</td>
<td></td>
<td>03-18-1999</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.5 Mollusks</td>
<td>Unionidae-Unionid Mussel Family</td>
<td>Pink Heelsplitter</td>
<td>Potamilus alatus</td>
<td></td>
<td>03-18-1999</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.5 Mollusks</td>
<td>Unionidae-Unionid Mussel Family</td>
<td>Giant Floater</td>
<td>Pyganodon grandis</td>
<td></td>
<td>03-18-1999</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.6 Fish</td>
<td>Acipenseridae-Sturgeon Family</td>
<td>Lake Sturgeon</td>
<td>Acipenser fulvescens</td>
<td></td>
<td>04-13-1987</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.6 Fish</td>
<td>Ictaluridae-North American Freshwater Catfish Family</td>
<td>Stonecat</td>
<td>Noturus flavus</td>
<td></td>
<td>12-07-1994</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.6 Fish</td>
<td>Percidae-Perch Family</td>
<td>Eastern Sand Darter</td>
<td>Ammocrypta pellucida</td>
<td></td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.6 Fish</td>
<td>Percidae-Perch Family</td>
<td>Channel Darter</td>
<td>Percina copelandi</td>
<td></td>
<td>03-18-1999</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Group</td>
<td>Family</td>
<td>EnglishName</td>
<td>ScientificName</td>
<td>Author</td>
<td>DateListed</td>
<td>Status</td>
<td>PreviouslyListedAs</td>
<td>Notes</td>
</tr>
<tr>
<td>-------</td>
<td>--------</td>
<td>-------------</td>
<td>----------------</td>
<td>--------</td>
<td>------------</td>
<td>--------</td>
<td>---------------------</td>
<td>-------</td>
</tr>
<tr>
<td>6.6 Fish</td>
<td>Petromyzontidae-Lamprey Family</td>
<td>American Brook Lamprey</td>
<td>Lethenteron appendix</td>
<td></td>
<td>04-13-1987</td>
<td>T</td>
<td>Lampetra appendix</td>
<td></td>
</tr>
<tr>
<td>6.7 Amphibians</td>
<td>Bufonidae-Toad Family</td>
<td>Fowler's Toad</td>
<td>Anaxyrus fowleri</td>
<td></td>
<td>03-28-2015</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.7 Amphibians</td>
<td>Hylidae-New World Tree Frog Family</td>
<td>Boreal Chorus Frog</td>
<td>Pseudacris maculata</td>
<td></td>
<td>11-15-2012</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.8 Reptiles</td>
<td>Colubridae-Colubrid Snake Family</td>
<td>North American Racer</td>
<td>Coluber constrictor</td>
<td></td>
<td>04-23-2005</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.8 Reptiles</td>
<td>Emydidae-Box Turtle and Pond Turtle Family</td>
<td>Spotted Turtle</td>
<td>Clemmys guttata</td>
<td></td>
<td>03-18-1999</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.8 Reptiles</td>
<td>Scincidae-Skink Family</td>
<td>Common Five-lined Skink</td>
<td>Plestiodon fasciatus</td>
<td></td>
<td>04-13-1987</td>
<td>E</td>
<td>Eumeces fasciatus</td>
<td></td>
</tr>
<tr>
<td>6.8 Reptiles</td>
<td>Viperidae-Viper and Pit Viper Family</td>
<td>Timber Rattlesnake</td>
<td>Crotalus horridus</td>
<td></td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.9 Birds</td>
<td>Caprimulgidae-Nightjar Family</td>
<td>Eastern Whip-poor-will Antrostomus vociferus</td>
<td></td>
<td></td>
<td>11-15-2012</td>
<td>T</td>
<td>Caprimulgus vociferus</td>
<td></td>
</tr>
<tr>
<td>6.9 Birds</td>
<td>Caprimulgidae-Nightjar Family</td>
<td>Common Nighthawk Chordeiles minor</td>
<td></td>
<td></td>
<td>11-15-2012</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.9 Birds</td>
<td>Icteridae-Blackbird Family</td>
<td>Rusty Blackbird</td>
<td>Euphagus carolinus</td>
<td></td>
<td>03-28-2015</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.9 Birds</td>
<td>Icteridae-Blackbird Family</td>
<td>Eastern Meadowlark</td>
<td>Sturnella magna</td>
<td></td>
<td>02-10-2022</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.9 Birds</td>
<td>Laniidae-Shrike Family</td>
<td>Loggerhead Shrike Lanius ludovicianus</td>
<td></td>
<td></td>
<td>04-13-1987</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.9 Birds</td>
<td>Laridae-Gull and Tern Family</td>
<td>Black Tern Sterna hirundo</td>
<td></td>
<td></td>
<td>04-13-1987</td>
<td>E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.9 Birds</td>
<td>Passerellidae-New World Sparrow Family</td>
<td>Henslow's Sparrow Centronyx henslowii</td>
<td></td>
<td></td>
<td>04-13-1987</td>
<td>E</td>
<td>Ammodramus henslowii</td>
<td></td>
</tr>
<tr>
<td>Group</td>
<td>Family</td>
<td>ScientificName</td>
<td>Author</td>
<td>DateListed</td>
<td>Status</td>
<td>PreviouslyListedAs</td>
<td>Notes</td>
<td></td>
</tr>
<tr>
<td>-------</td>
<td>--------</td>
<td>----------------</td>
<td>--------</td>
<td>------------</td>
<td>--------</td>
<td>---------------------</td>
<td>-------</td>
<td></td>
</tr>
<tr>
<td>6.9 Birds</td>
<td>Passerellidae-New World Sparrow Family</td>
<td>Grasshopper Sparrow</td>
<td>Ammodramus savannarum</td>
<td>03-18-1999</td>
<td>T</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.9 Birds</td>
<td>Phasianidae-Turkey, Grouse, Pheasant and Partridge Family</td>
<td>Spruce Grouse</td>
<td>Canachites canadensis</td>
<td>07-30-1988</td>
<td>E</td>
<td>Falcipennis canadensis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.9 Birds</td>
<td>Scolopacidae-Sandpiper, Snipe and Relatives Family</td>
<td>Upland Sandpiper</td>
<td>Bartramia longicauda</td>
<td>04-23-2005</td>
<td>E</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.10 Mammals</td>
<td>Felidae-Cat Family</td>
<td>Canadian Lynx</td>
<td>Lynx canadensis</td>
<td>04-13-1987</td>
<td>E</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.10 Mammals</td>
<td>Felidae-Cat Family</td>
<td>Eastern Mountain Lion</td>
<td>Puma concolor couguar</td>
<td>04-13-1987</td>
<td>E</td>
<td>Felis concolor couguar</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.10 Mammals</td>
<td>Mustelidae-Weasel Family</td>
<td>American Marten</td>
<td>Martes americana</td>
<td>04-13-1987</td>
<td>E</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.10 Mammals</td>
<td>Vespertilionidae-Evening Bat and Vesper Bat Family</td>
<td>Eastern Small-footed Bat</td>
<td>Myotis leibii</td>
<td>04-13-1987</td>
<td>T</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.10 Mammals</td>
<td>Vespertilionidae-Evening Bat and Vesper Bat Family</td>
<td>Indiana Bat</td>
<td>Myotis sodalis</td>
<td>04-13-1987</td>
<td>E</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.10 Mammals</td>
<td>Vespertilionidae-Evening Bat and Vesper Bat Family</td>
<td>Tri-colored Bat</td>
<td>Perimyotis subflavus</td>
<td>11-15-2012</td>
<td>E</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>