

Pondicherry Mammal Checklist

The Pondicherry National Wildlife Refuge in Jefferson, Whitefield and Carroll, New Hampshire supports a wide variety of wild mammals ranging in size from bats to moose. The diversity and quality of habitat is an important factor in the wildlife that are present. Additional survey work is desirable for many of the mammals.

Bats - Mammals That Fly:

The presence and health of the bat population at Pondicherry is unclear as of 2016. The outbreak of White-nose Syndrome (WNS) has killed off millions of bats in North America including many in a nearby hibernaculum. We have identified an urgent need to conduct additional bat surveys to confirm the presence of species previously known to occur at Pondicherry. The following were confirmed as a result of recent surveys in the 2016 Silvio O. Conte Comprehensive Conservation Plan (CCP), page A-512.

| Common Name | Scientific Name | Status |
|-----------------------------|----------------------------------|--------|
| Little Brown Bat | <i>Myotis lucifugus</i> | Y |
| Northern Long-eared Myotis | <i>Myotis septentrionalis</i> | ? |
| Small-footed Myotis | <i>Myotis leibii</i> | ? |
| Silver-haired Bat (Migrant) | <i>Lasionycteris noctivagans</i> | Y |
| Big Brown Bat | <i>Eptesicus fuscus</i> | Y |
| Eastern Red Bat (Migrant) | <i>Lasirus borealis</i> | Y |
| Hoary Bat (Migrant) | <i>Lasirus cinereus</i> | Y |
| Eastern Pipistrelle | <i>Pipistrellus subflavus</i> | ? |

Shrews, Moles, Mice, Voles and Lemmings:

These species are predicted to occur at Pondicherry based on a survey of scientific literature but a small mammal survey is urgently needed to confirm presence or absence.

| Common Name | Scientific Name | Status |
|--------------------------|--------------------------------|--------|
| Masked Shrew | <i>Sorex cinereus</i> | ? |
| Water Shrew | <i>Sorex palustris</i> | ? |
| Smoky Shrew | <i>Sorex fumeus</i> | ? |
| Long-tailed Shrew | <i>Sorex dispar</i> | ? |
| Pygmy Shrew | <i>Sorex hoyi</i> | ? |
| Short-tailed Shrew | <i>Blarina brevicauda</i> | ? |
| Hairy-tailed Mole | <i>Parascalops breweri</i> | ? |
| Star-nosed Mole | <i>Condylura cristata</i> | ? |
| Deer Mouse | <i>Peromyscus maniculatus</i> | ? |
| White-footed Mouse | <i>Peromyscus leucopus</i> | ? |
| Meadow Jumping Mouse | <i>Zapus hudsonius</i> | ? |
| Woodland Jumping Mouse | <i>Napaeozapus insignis</i> | ? |
| House Mouse | <i>Mus musculus</i> | Y |
| Norway Rat | <i>Rattus norvegicus</i> | Y |
| Southern Red-backed Vole | <i>Clethrionomys gapperi</i> | ? |
| Meadow Vole | <i>Microtus pennsylvanicus</i> | Y |
| Rock Vole | <i>Microtus chrotorrinhus</i> | ? |
| Southern Bog Lemming | <i>Synaptomys cooperi</i> | ? |
| Northern Bog Lemming | <i>Synaptomys borealis</i> | ? |

Chipmunks and Squirrels:

| Common Name | Scientific Name | Status |
|--------------------------|--------------------------------|--------|
| Eastern Chipmunk | <i>Tamias striatus</i> | Y |
| Gray Squirrel | <i>Sciurus carolineus</i> | Y |
| Red Squirrel | <i>Tamiasciurus hudsonicus</i> | Y |
| Northern Flying Squirrel | <i>Glaucomys sabrinus</i> | ? |
| Southern Flying Squirrel | <i>Glaucomys volans</i> | Y |

Other Mammals:

| Common Name | Scientific Name | Status |
|---------------------------------|--------------------------------|--------|
| Snowshoe Hare | <i>Lepus americana</i> | Y |
| Woodchuck | <i>Marmota monax</i> | Y |
| Beaver | <i>Castor Canadensis</i> | Y |
| Muskrat | <i>Ondatra zibethicus</i> | Y |
| River Otter | <i>Lutra Canadensis</i> | Y |
| American Marten (Note 1) | <i>Martes Americana</i> | Y |
| Fisher | <i>Martes pennanti</i> | Y |
| Short-tailed Weasel (Ermine) | <i>Mustela erminea</i> | Y |
| Long-tailed Weasel | <i>Mustela frenata</i> | Y |
| Mink | <i>Mustela vison</i> | Y |
| Raccoon | <i>Procyon lotor</i> | Y |
| Striped Skunk | <i>Mephitis mephitis</i> | Y |
| Porcupine | <i>Erethizon dorsatum</i> | Y |
| Eastern Coyote/Coywolf (Note 2) | <i>Canis latrans x lycaon</i> | Y |
| Red Fox | <i>Vulpes vulpes</i> | Y |
| Gray Fox | <i>Urocyon cinereoargentus</i> | Y |
| Bobcat | <i>Felis rufus</i> | Y |
| Canada Lynx (Note 1) | <i>Felis lynx</i> | Y |
| Black Bear | <i>Ursus Americana</i> | Y |
| White-tailed Deer | <i>Odocoileus virginianus</i> | Y |
| Moose | <i>Alces alces</i> | Y |

Note 1: American Marten and Canada Lynx do not have a breeding population at Pondicherry.

Note 2: Current genetic research has found that the heritage of the Eastern Coyote contains a significant amount of Red Wolf (*Canis rufus*) DNA and we will use both common names and the hybrid designation "x lycaon" in this document to describe this animal until a decision is made on a species name.

We urgently need additional wildlife surveys at Pondicherry to document the presence of bats and small mammals. Contact David.Govatski@gmail.com who will provide contact information for the US Fish and Wildlife Service for permits to conduct the research.

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