



Butterflies and Moths of Vermont
Vermont Natural Heritage Inventory
Vermont Fish & Wildlife Department
14 November 2012



The following is a partial list of butterflies and moths known or suspected to occur, either currently or historically, in Vermont. Taxa that were likely reported in error are not included on the list. Transients and accidental visitors are included. The 2002-2007 Vermont Butterfly Survey added greatly to our knowledge of the distribution and status of Vermont's Lepidoptera, but gaps in knowledge remain, particularly regarding moths, which were not, with the exception of the Giant Silk Moths (Saturniidae), studied in the Vermont Butterfly Survey. For this reason, moths are poorly represented in this list; further study will surely continue to add species. This list is organized taxonomically by family and then alphabetically by scientific name within family. Taxa that are not native to Vermont are indicated with an asterisk (*). Questions can be directed to Mark Ferguson, Vermont Natural Heritage Inventory, Vermont Fish & Wildlife Department, 1 National Life Drive North 2, Montpelier, VT 05620-3702. (802)279-3422. mark.ferguson@state.vt.us

Scientific Name	Common Name	State Rank	Global Rank	State Status	Federal Status	SGCN
Family Hepialidae						
<i>Sthenopis thule</i>	A Ghost Moth	SNR	GNR			SGCN
Family Argyresthiidae						
<i>Argyresthia castaneella</i>	Chestnut Ermine Moth	SX	GH	SC		
Family Hesperidae						
<i>Achalarus lyciades</i>	Hoary Edge	SNA	G5			
<i>Amblyscirtes hegon</i>	Pepper and Salt Skipper	S4	G5			
<i>Amblyscirtes vialis</i>	Common Roadside-Skipper	S4	G5			
<i>Anatrytone logan</i>	Delaware Skipper	S5	G5			
<i>Ancyloxypha numitor</i>	Least Skipper	S5	G5			
<i>Atrytonopsis hianna</i>	Dusted Skipper	S1	G4G5			SGCN
<i>Carterocephalus palaemon</i>	Arctic Skipper	S5	G5			
<i>Epargyreus clarus</i>	Silver-spotted Skipper	S5	G5			
<i>Erynnis baptisiae</i>	Wild Indigo Duskywing	SU	G5			
<i>Erynnis horatius</i>	Horace's Duskywing	SU	G5			
<i>Erynnis icelus</i>	Dreamy Duskywing	S5	G5			
<i>Erynnis juvenalis</i>	Juvenal's Duskywing	S5	G5			
<i>Erynnis lucilius</i>	Columbine Duskywing	SU	G4			
<i>Erynnis persius</i>	Persius Duskywing	SU	G5			SGCN
<i>Euphyes bimacula</i>	Two-spotted Skipper	S1S2	G4			SGCN
<i>Euphyes conspicua</i>	Black Dash	S1	G4			SGCN
<i>Euphyes dion</i>	Dion Skipper	S2	G4			SGCN
<i>Euphyes vestris</i>	Dun Skipper	S5	G5			
<i>Hesperia comma</i>	Common Branded Skipper	S4	G5			
<i>Hesperia leonardus</i>	Leonard's Skipper	S4	G4			
<i>Hesperia metea</i>	Cobweb Skipper	S1	G4G5			SGCN
<i>Hesperia sassacus</i>	Indian Skipper	S5	G5			
<i>Hylephila phyleus</i>	Fiery Skipper	SNA	G5			

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<i>Pholisora catullus</i>	Common Sootywing	S1	G5			
<i>Poanes hobomok</i>	Hobomok Skipper	S5	G5			
<i>Poanes massasoit</i>	Mulberry Wing	S2	G4			SGCN
<i>Poanes viator</i>	Broad-winged Skipper	S2S3	G5			SGCN
<i>Polites mystic</i>	Long Dash	S5	G5			
<i>Polites origenes</i>	Crossline Skipper	S3	G5			
<i>Polites peckius</i>	Peck's Skipper	S5	G5			
<i>Polites themistocles</i>	Tawny-edged Skipper	S5	G5			
<i>Pompeius verna</i>	Little Glassywing	S5	G5			
<i>Pyrgus communis</i>	Common Checkered-skipper	SNA	G5			
<i>Thorybes bathyllus</i>	Southern Cloudywing	SNA	G5			
<i>Thorybes pylades</i>	Northern Cloudywing	S5	G5			
* <i>Thymelicus lineola</i>	European Skipper	SNA	G5			
<i>Urbanus proteus</i>	Long-tailed Skipper	SNA	G5			
<i>Wallengrenia egeremet</i>	Northern Broken-Dash	S5	G5			

Family Papilionidae

<i>Battus philenor</i>	Pipevine Swallowtail	SNA	G5			
<i>Papilio canadensis</i>	Canadian Tiger Swallowtail	S5	G5			
<i>Papilio cresphontes</i>	Giant Swallowtail	SNR	G5			
<i>Papilio glaucus</i>	Eastern Tiger Swallowtail	S1	G5			
<i>Papilio polyxenes</i>	Black Swallowtail	S5	G5			
<i>Papilio troilus</i>	Spicebush Swallowtail	S1	G5			

Family Pieridae

<i>Colias eurytheme</i>	Orange Sulphur	S5	G5			
<i>Colias interior</i>	Pink-edged Sulphur	S3	G5			
<i>Colias philodice</i>	Clouded Sulphur	S5	G5			
<i>Pieris oleracea</i>	Mustard White	S4S5	G4G5			
* <i>Pieris rapae</i>	Cabbage White	SNA	G5			
<i>Pieris virginiensis</i>	West Virginia White	S3S4	G3G4	SC		SGCN
<i>Pyrisitia lisa</i>	Little Yellow	SNA	G5			

Family Lycaenidae

<i>Callophrys augustinus</i>	Brown Elfin	S3	G5			
<i>Callophrys gryneus</i>	Juniper Hairstreak	S3	G5			
<i>Callophrys henrici</i>	Henry's Elfin	SU	G5			
<i>Callophrys irus</i>	Frosted Elfin	S1	G3			
<i>Callophrys lanoraieensis</i>	Bog Elfin	SU	G3G4			
<i>Callophrys niphon</i>	Eastern Pine Elfin	S5	G5			
<i>Celastrina lucia</i>	Northern Azure	S5	G5			
<i>Celastrina neglecta</i>	Summer Azure	S5	G5			
<i>Celastrina serotina</i>	Cherry Gall Azure	S4	G5			
<i>Cupido comyntas</i>	Eastern Tailed-Blue	S5	G5			
<i>Erora laeta</i>	Early Hairstreak	S2S3	GU			SGCN
<i>Feniseca tarquinius</i>	Harvester	S4	G4			
<i>Glaucopsyche lygdamus</i>	Silvery Blue	S5	G5			
<i>Lycaena epixanthe</i>	Bog Copper	S2	G4G5			SGCN
<i>Lycaena hyllus</i>	Bronze Copper	S5	G5			

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<i>Lycaena phlaeas</i>	American Copper	S5	G5			
<i>Parrhasius m-album</i>	White-m Hairstreak	SNR	G5			
<i>Satyrrium acadica</i>	Acadian Hairstreak	S5	G5			
<i>Satyrrium calanus</i>	Banded Hairstreak	S5	G5			
<i>Satyrrium caryaevorum</i>	Hickory Hairstreak	S3	G4			
<i>Satyrrium edwardsii</i>	Edwards' Hairstreak	SU	G4			SGCN
<i>Satyrrium liparops</i>	Striped Hairstreak	S5	G5			
<i>Satyrrium titus</i>	Coral Hairstreak	S5	G5			
<i>Strymon melinus</i>	Gray Hairstreak	S2S3	G5			

Family Nymphalidae

<i>Aglais milberti</i>	Milbert's Tortoiseshell	S5	G5			
<i>Agraulis vanillae</i>	Gulf Fritillary	SNA	G5			
<i>Asterocampa celtis</i>	Hackberry Emperor	S1S2	G5			SGCN
<i>Asterocampa clyton</i>	Tawny Emperor	S1S2	G5			SGCN
<i>Boloria bellona</i>	Meadow Fritillary	S5	G5			
<i>Boloria selene</i>	Silver-bordered Fritillary	S5	G5			
<i>Cercyonis pegala</i>	Common Wood-Nymph	S5	G5			
<i>Chlosyne harrisii</i>	Harris' Checkerspot	S4	G4			
<i>Chlosyne nycteis</i>	Silvery Checkerspot	S1S2	G5			
<i>Coenonympha tullia</i>	Common Ringlet	S5	G5			
<i>Danaus plexippus</i>	Monarch	S5B	G5			
<i>Euphydryas phaeton</i>	Baltimore Checkerspot	S4	G4			
<i>Euptoieta claudia</i>	Variegated Fritillary	SNA	G5			
<i>Junonia coenia</i>	Common Buckeye	SNA	G5			
<i>Lethe anthedon</i>	Northern Pearly-eye	S4	G4			
<i>Lethe appalachia</i>	Appalachian Brown	S1S2	G4			
<i>Lethe eurydice</i>	Eyed Brown	S4	G4			
<i>Libytheana carinenta</i>	American Snout	SNA	G5			
<i>Limenitis archippus</i>	Viceroy	S5	G5			
<i>Limenitis arthemis</i>	White Admiral or Red-spotted Purple	S5	G5			
<i>Megisto cymela</i>	Little Wood-Satyr	S5	G5			
<i>Nymphalis antiopa</i>	Mourning Cloak	S5	G5			
<i>Nymphalis californica</i>	California Tortoiseshell	SNA	G5			
<i>Nymphalis l-album</i>	Compton Tortoiseshell	S5	G5			
<i>Oeneis jutta</i>	Jutta Arctic	S1	G5			SGCN
<i>Phyciodes cocyta</i>	Northern Crescent	S5	G5			
<i>Phyciodes tharos</i>	Pearl Crescent	S5	G5			
<i>Polygonia comma</i>	Eastern Comma	S5	G5			
<i>Polygonia faunus</i>	Green Comma	S5	G5			
<i>Polygonia interrogationis</i>	Question Mark	S5	G5			
<i>Polygonia progne</i>	Gray Comma	S5	G4G5			
<i>Speyeria aphrodite</i>	Aphrodite	S5	G5			
<i>Speyeria atlantis</i>	Atlantis Fritillary	S5	G5			
<i>Speyeria cybele</i>	Great Spangled Fritillary	S5	G5			
<i>Speyeria idalia</i>	Regal Fritillary	SX	G3	SC		SGCN
<i>Vanessa atalanta</i>	Red Admiral	S5	G5			
<i>Vanessa cardui</i>	Painted Lady	S5	G5			

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<i>Vanessa virginiensis</i>	American Lady	S5B	G5			

Family Geometridae

<i>Itame ribearia</i>	Currant Spanworm	SNR	G4			SGCN
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Family Saturniidae

<i>Actias luna</i>	Luna Moth	S5	G5			
<i>Antheraea polyphemus</i>	Polyphemus Moth	S3	G5			
<i>Callosamia promethea</i>	Promethea Silkmoth	S3	G5			
<i>Eacles imperialis imperialis</i>	Imperial Moth	SH	G5T5	SC		
<i>Eacles imperialis pini</i>	Pine Imperial Moth	S1	G5T3T4	SC		SGCN
<i>Hemileuca lucina</i>	New England Buckmoth	SNR	G4			SGCN
<i>Hyalophora cecropia</i>	Cecropia Moth	S3	G5			
* <i>Samia cynthia</i>	Ailanthus Silkmoth	SNA	GU			

Family Sphingidae

<i>Sphinx drupiferarum</i>	Plum Sphinx	SH	G4	SC		SGCN
<i>Sphinx eremitus</i>	Hermit Sphinx	SH	G4	SC		SGCN
<i>Sphinx luscitiosa</i>	Clemens' Sphinx	SNA	G4			SGCN

Family Noctuidae

<i>Catocala amatrix</i>	The Sweetheart Underwing	SNR	G5			
<i>Catocala amica</i>	Girlfriend Underwing	SNR	G5			
<i>Catocala antinympa</i>	Sweetfern Underwing	SNR	G5			
<i>Catocala blandula</i>	Charming Underwing	SNR	G5			
<i>Catocala briseis</i>	Briseis Underwing	SNR	G5			
<i>Catocala cara</i>	Darling Underwing	SNR	G5			
<i>Catocala cerogama</i>	Yellow Banded Underwing	SNR	G5			
<i>Catocala concumbens</i>	Sleepy Underwing or Pink Underwing	SNR	G5			
<i>Catocala crataegi</i>	Hawthorn Underwing	SNR	G5			
<i>Catocala habilis</i>	Habilis Underwing	SNR	G5			
<i>Catocala ilia</i>	Ilia Underwing	SNR	G5			
<i>Catocala innubens</i>	The Betrothed Underwing	SNR	G5			
<i>Catocala judith</i>	Judith's Underwing	SNR	G5			
<i>Catocala lineella</i>	Little Lined Underwing	SNR	G5			
<i>Catocala marmorata</i>	Marbled Underwing Moth	SH	G3G4			
<i>Catocala meskei</i>	Meske's Underwing	SNR	G4			
<i>Catocala mira</i>	Wonderful Underwing	SNR	G5			
<i>Catocala neogama</i>	The Bride Underwing	SNR	G5			
<i>Catocala palaeogama</i>	Oldwife Underwing	SNR	G5			
<i>Catocala parta</i>	Mother Underwing	SNR	G5			
<i>Catocala piatrix</i>	The Penitent Underwing	SNR	G5			
<i>Catocala relict</i>	White Underwing	SNR	G5			
<i>Catocala residua</i>	Residua Underwing	SNR	G5			
<i>Catocala semirelict</i>	Semirelict Underwing	SNR	G5			
<i>Catocala subnata</i>	Youthful Underwing	SNR	G5			
<i>Catocala ultronia</i>	Ultronia Underwing	SNR	G5			
<i>Catocala unijuga</i>	Once-married Underwing	SNR	G5			

Scientific Name	Common Name	State Rank	Global Rank	State Status	Federal Status	SGCN
<i>Lasionycta taigata</i>	A Noctuid Moth	SH	G4			SGCN
<i>Lemmeria digitalis</i>	A Noctuid Moth	SNR	G4			SGCN
<i>Lithophane franclemonti</i>	Franclemont's Lithophane	SNR	G2G4			SGCN
<i>Pachypolia atricornis</i>	An Autumnal Noctuid Moth	SNR	G3G4			SGCN
<i>Papaipema appassionate</i>	Pitcher Plant Borer Moth	SNR	G4			
<i>Papaipema arctivorens</i>	Northern Burdock Borer Moth	SNR	G5			
<i>Papaipema baptisiae</i>	Wild Indigo Borer Moth	SNR	G4			
<i>Papaipema birdi</i>	Umbellifer Borer Moth	SNR	G5			
<i>Papaipema cataphracta</i>	Burdock Borer Moth	SNR	G5			
<i>Papaipema eupatorii</i>	Eupatorium Borer Moth	SNR	G4			
<i>Papaipema furcata</i>	Ash Borer Moth	SNR	G4			
<i>Papaipema impecuniosa</i>	Aster Borer Moth	SNR	G5			
<i>Papaipema inquaesita</i>	Sensitive Fern Borer Moth	SNR	G5			
<i>Papaipema leucostigma</i>	Columbine Borer Moth	SNR	G4			
<i>Papaipema lysimachiae</i>	Loosestrife Borer Moth	SNR	G4			
<i>Papaipema nebris</i>	Stalk Borer Moth	SNR	G5			
<i>Papaipema nelita</i>	A Borer Moth	SNR	G4			
<i>Papaipema nepheleptena</i>	Turtle Head Borer Moth	SNR	G4			
<i>Papaipema pterisii</i>	Bracken Borer Moth	SNR	G5			
<i>Papaipema rigida</i>	A Borer Moth	SNR	G5			
<i>Papaipema sp. 2 nr. pterisii</i>	Ostrich Fern Borer	S2	G3G4			SGCN
<i>Papaipema speciosissima</i>	Osmunda Borer Moth	SNR	G4			
<i>Papaipema unimoda</i>	Meadow Rue Borer Moth	SNR	G5			
<i>Properigea costa</i>	Barrens Moth	SH	G4			SGCN
<i>Xestia (Pachnobia) fabulosa</i>	A Noctuid Moth	S1S2	G4			SGCN
<i>Xestia (Pachnobia) homogena</i>	A Noctuid Moth	S1S2	G4			SGCN
<i>Zale submediana</i>	A Noctuid Moth	S1?	G4			SGCN
<i>Zanclognatha martha</i>	Pine Barrens Zanclognatha	S1?	G4			SGCN

Explanation of Legal Status and Information Ranks

State Rank and Global Rank - Value that best characterizes the relative rarity (abundance) or endangerment of a native taxon within Vermont's geographic boundary or throughout its range, respectively. Ranks are as follows:

- 1 - Very rare (Critically imperiled): At very high risk of extinction or extirpation due to extreme rarity (often 5 or fewer populations or occurrences), very steep declines, or other factors
- 2 - Rare (Imperiled): At high risk of extinction or extirpation due to very restricted range, very few populations (often 20 or fewer), steep declines, or other factors
- 3 - Uncommon (Vulnerable): Moderate risk of extinction or extirpation due to restricted range, relatively few populations or occurrences (often 80 or fewer), recent and widespread declines, or other factors
- 4 - Common to uncommon (Apparently secure): locally common or widely scattered to uncommon, but not rare; some cause for long-term concern due to declines or other factors; or stable over many decades and not threatened but of restricted distribution or other factors
- 5 - Common (Secure): widespread and abundant
- H - Possibly extinct/extirpated: Missing; known from only historical occurrences; still hope of rediscovery
- X - Presumed extinct/extirpated: Not located despite intensive searches; little likelihood of rediscovery
- U - Unrankable: Currently unrankable due to lack of information or substantially conflicting information
- NR - Not ranked: Not yet assessed
- NA - Not applicable. Element is not a suitable target for conservation for one of the following reasons: Hybrid, Exotic Origin, Accidental/Nonregular, Not Confidently Present, No Definable Occurrences

The following may follow a numeric rank to provide further information:

- ? - indicates uncertainty about the rank; may also be expressed in the form of a range rank (e.g. S1S3)
- B - Indicates the preceding rank is for breeding populations
- N - Indicates the preceding rank is for nonbreeding populations
- M - Indicates the preceding rank is for migratory populations
- T - For global ranks only, indicates an infraspecies.
- Q - For global ranks only, indicates questionable taxonomy.

State Status - Legal protection under Vermont Endangered Species Law (10 V.S.A. Chap. 123)

- E - Endangered: in immediate danger of becoming extirpated in the state
- T - Threatened: with high possibility of becoming endangered in the near future
- or informational category only- not established by law
- PDL - Proposed for Delisting
- SC - Special Concern: rare; status should be watched

Federal Status - Legal protection under the federal Endangered Species Act, U.S. Fish & Wildlife Service

- LE - Listed Endangered
- LT - Listed Threatened
- PDL - Proposed for Delisting
- C - Candidate for Listing (not legally protected)
- SC - Species of Concern (not legally protected)

SGCN - Species of Greatest Conservation Need as identified in the Vermont Wildlife Action Plan; does not denote legal protection.