

CHECKLIST OF THE GEOMETER MOTHS (GEOMETRIDAE) OF ESSEX COUNTY, ONTARIO

Last Revised January 25, 2023

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ABSTRACT

This is, to the author's knowledge, the first comprehensive checklist of the Geometer Moths (Geometridae) of Essex County, Ontario. It only includes species that have been found in adult form.

It is believed that this list is still rather incomplete, but future surveys will be required to continue to expand our knowledge of the Geometer Moths of Essex County, Ontario.

THE CHECKLIST

Genera *Acasis*, *Alsophila*, *Anavitrinella*, *Antepione*

- Acasis viridata* (Olive-and-black Carpet Moth)
- Alsophila pometaria* (Fall Cankerworm Moth)
- Anavitrinella pampinaria* (Common Grey)
- Antepione thisoaria* (Variable Antipione Moth)

Genera *Anticlea*

- Anticlea multiferata* (Many-lined Carpet Moth)
- Anticlea vasiliata* (Variable Carpet Moth)

Genera *Besma*, *Biston*, *Cabera*, *Campaea*, *Caripeta*

- Besma quercivoraria* (Oak Besma Moth)
- Biston betularia* (Peppered Moth)
- Cabera erythemaria* (Yellow-dusted Cream)
- Campaea perlata* (Pale Beauty)
- Caripeta piniata* (Northern Pine Looper)

Genera *Cepphis*, *Chlorochlamys*, *Costaconvexa*

- Cepphis armataria* (Scallop Moth)
- Chlorochlamys chloroleucaria* (Blackberry Looper)
- Costaconvexa centrostrigaria* (Bent-lined Carpet)

Genera *Cyclophora*, *Dischorda*, *Dyspteris*

- Cyclophora packardi* (Packard's Wave)
- Dischorda iridaria* (Showy Emerald)
- Dyspteris abortivaria* (Bad Wing Moth)

Genus *Diagrammia*

- Diagrammia continuata* (Curved-lined Angle)
- Diagrammia ocellinata* (Faint-spotted Angle)
- Diagrammia gnophosaria* (Hollow-spotted Angle)
- Diagrammia subminiata* (Vermilion Granite Moth)

Genus *Ectropis*, *Eugonobapta*, *Eulithis*

- Ectropis crepuscularia* (Small Engrailed)
- Eugonobapta nivosaria* (Snowy Geometer Moth)
- Eulithis diversilineata* (Greater/Lesser Grapevine Looper)

Genus Ennomos

- Ennomos subsignaria (Elm Spanworm)
- Ennomos magnaria (Maple Spanworm)

Genera Epimecis, Ebaphe

- Epimecis hortaria (Tulip-tree Beauty)
- Eubaphe mendica (Beggar Moth)

Genus Euchlaena

- Euchlaena irraria (Least-Marked Euchlaena Moth)
- Euchlaena johnsonaria (Johnson's Euchlaena)
- Euchlaena muzaria (Muzaria Euchlaena Moth)
- Euchlaena obtusaria (Obtuse Euchlaena)
- Euchlaena serrata (Saw-Wing)

Genera Eumacaria, Eupithecia, Eusarca

- Eumacaria madopata (Brown-bordered Geometer Moth)
- Euphyia intermediata (Sharp-angled Carpet Moth)
- Eupithecia miserulata (Common Eupithecia Moth)
- Eusarca confusaria (Confused Eusarca Moth)

Genera Glenoides, Haematopis, Heliomata

- Glenoides texanaria (Texas Gray)
- Haematopis grataria (Chickweed Geometer)
- Heliomata cycladata (Common Spring Moth)

Genera Heterophleps, Horisme, Hydrelia, Hypagyrtis, Ideaa

- Heterophleps triguttaria (Three-spotted Phillip)
- Horisme intestinata (Brown Bark Carpet)
- Hydrelia albifera (Fragile White Carpet)
- Hypagyrtis unipunctata (One-spotted Variant)
- Ideaa dimidiata (Single-dotted Wave)

Genus Iridopsis

- Iridopsis defectaria (Brown-shaded Grey)
- Iridopsis ephyraria (Pale-winged Gray)
- Iridopsis humaria (Small Purplish Gray)

Genera Istrugia, Lambdina, Lobocieta, Lomographa, Lytrosis

- Istrugia dislocaria (Pale-veined Istrugia)
- Lambdina fiscellaria (Hemlock Looper)
- Lobocleta ossularia (Drab-brown Wave)
- Lomographa vestaliata (White Spring Moth)
- Lytrosis unitaria (Common Lytrosis)

Genus Macaria

- Macaria bisignata (Red-headed Inchworm)
- Macaria multilineata (Many-lined Angle)
- Macaria evagaria (Drab Angle)
- Macaria aemulataria (Common Angle)
- Macaria pustularia (Lesser Maple Spanworm Moth)

Genera Melanolophia, Melilla Metanema

- Melanolophia canadaria (Canadian Melanolophia Moth)
- Mellilla xanthometata (Orange Wing)
- Metanema inatomaria (Pale Metanema Moth)

Genus Mettarranthis

- Metarranthis indeclinata (Pale Metarranthis Moth)
- Metarranthis hypochraria (Common Metarranthis Moth)

Genera Nematocampa, Nemoria

- Nematocampa resistaria (Horned Spanworm Moth)
- Nemoria bistriaria (Red-fringed Emerald)

Genera Operophtera, Orthonama, Pasiphilia, Patalene

- Operophtera bruceata (Bruce Spanworm)
- Orthonama obstipata (Gem Moth)
- Pasiphila rectangulata (Green Pug)
- Patalene olyzonaria (Juniper Geometer Moth)

Genus Pero

- Pero honestaria (Honest Pero)
- Pero morrisonaria (Morrison's Pero)
- Pero ancetaria (Hubner's Pero)

Genera Petrophora, Phaeoura

- Petrophora subaequaria (Northern Petrophora Moth)
- Phaeoura quernaria (Oak Beauty)

Genus Phigalia

- Phigalia strigataria (Smal Phigalia)
- Phigalia titea (Half-wing Moth)

Genera Plagodis, Pleuroprucha, Probole, Prochoerodes, Protoboarmia

- Plagodis fervidaria (Fervid Plagodis)
- Pleuroprucha insulsaria (Common Tan Wave)
- Probole amicaria (Friendly Probole Moth)
- Prochoerodes lineola (Large Maple Spanworm Moth)
- Protoboarmia porcelaria (Porcelain Gray)

Genus Rheumaptera

- Rheumaptera meadi (Barberry Geometer Moth)
- Rheumaptera prunivorata (Cherry Scallop Shell Moth)

Genus Scopula

- Scopula inductata (Soft-lined Wave)
- Scopula limboundata (Large Lace Border)

Genus Synchlora

- Synchlora aerata (Wavy-lined Emerald)

Genus Tetracis

- Tetracis cachexiata (White Slant-Line)
- Tetracis crocallata (Yellow Slant-Line)

Genera Trichodezia, Triphosa

- Trichodezia albivittata (White-striped Black)
- Triphosa haesitata (Tissue Moth)

Genus Xanthorhoe

- Xanthorhoe lacustrata (Toothed Brown Carpet)
- Xanthorhoe ferrugata (Red Twin-Spot Carpet)

Genus Xanthotype

- Xanthotype urticaria (False Crocus Geometer Moth)
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ANTICIPATED FUTURE ADDITIONS

The list that follows includes some Geometer Moth species that could be reasonably expected to be added to this list in the future.

In order to be included on this list, a species must have been seen in an adjacent county (Chatham-Kent County, Ontario or Wayne County, Michigan) in the past 10 years in adult form and be associated with a host plant that is plausible in Essex County, Ontario.

- *Epirrita autumnata* (Autumnal Moth)
- *Eupithecia tripunctaria* (White-spotted Pug)
- *Eutrapela clemataria* (Curved-toothed Geometer)
- *Hydrelia inornata* (Unadorned Carpet Moth)
- *Lobophora nivigerata* (Powdered Bigwig Moth)
- *Macaria pinistrobata* (White Pine Angle)
- *Plagodis kuetzingi* (Purple Plagodis)
- *Plagodis phlogosaria* (Straight-lined Plagodis)
- *Xanthorhoe packardata* (Packard's Carpet)